



**LIGHT^{MY}
BRICKS**



**LEGO[®] GALAXY EXPLORER #10497
LIGHT KIT
INSTALLATION GUIDE**

Light My Bricks



LEGO® GALAXY EXPLORER 10497 INSTALLATION GUIDE

Hi There!

We're here to help you get started on the LEGO®

Galaxy Explorer 10497 Light Kit.

This PDF details the instructions for the LED light kit only.

If you run into any issues, please refer to the troubleshooting section towards the end of this guide.

Have fun and enjoy!

INSTALLATION GUIDE





PACKAGE CONTENTS:



- 4 x Warm White 30cm Headlights
- 2 x Rotating Bit Light - 30cm
- 2 x Blue & Red Bit Light - 15cm
- 2 x Orange & Green Bit Light - 15cm
- 3 x Cool White Large Bit Lights - 15cm
- 7 x Green Bit Light - 30cm *
- 2 x Red Bit Light - 30cm
- 3 x Blue Bit Light - 30cm *



- 3 x 8-Port Expansion Board *
- 3 x 6-Port Expansion Board
- 2 x 2-Port Expansion Board
- 1 x Gun Effects Board



- 7 x Connecting Cable - 15cm *
- 1 x Connecting Cable - 5cm



- 1x USB Power Cable
(Power Source not Included)

ASSORTED BRICKS:

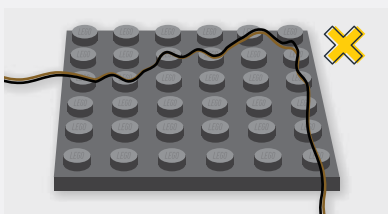
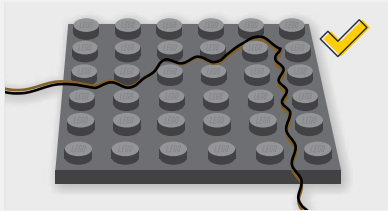
- 4 x 1x1 Round Plate - Trans Clear
- 4 x 1x1 Round Plate - Trans Red
- 3 x 1x1 Round Plate Open Stud - Light Grey

* Indicates components which include spares

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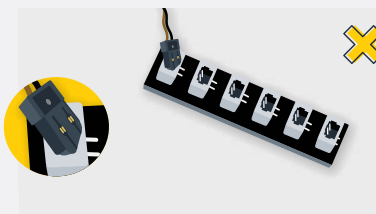
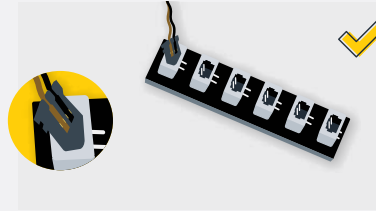
Before You Begin



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

Before You Begin



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.



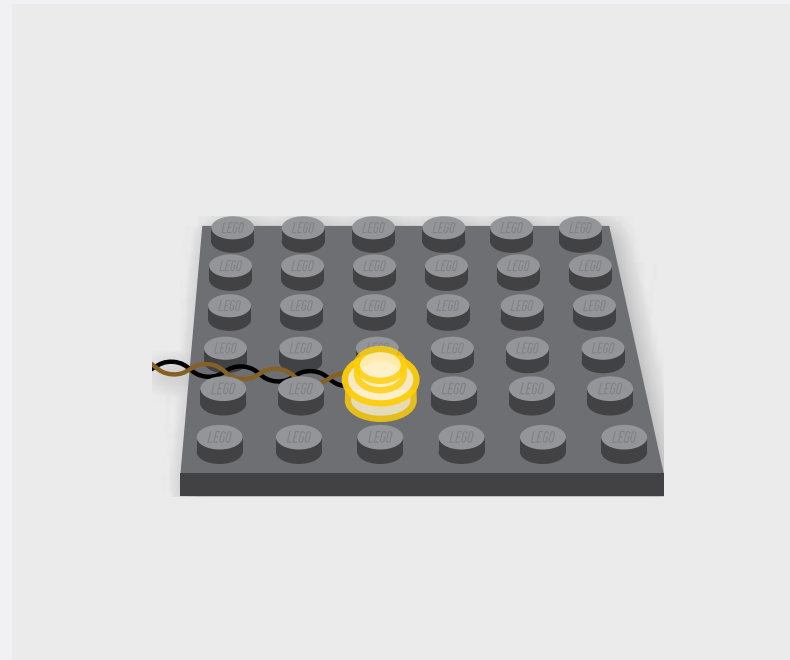
Connecting Micro Cable Connectors To Micro Expansion Board Ports

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.

Before You Begin

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.



Before You Begin

The Symbols Used In This Guide

When going through the following guide you will come across symbols and formats that will assist with the installation of your light kit. Take notice of them as each has a specific purpose.

Light Kit Component

This is the most important image format as it indicates which part to use from the Light Kit. Make sure you pay close attention to which part is shown.

White 30cm Bit Light



Connect

Used when you need to connect a LEGO piece or LMB component.



Disconnect

Used when you need to remove a LEGO piece or LMB component.



Directional

Used to show where to route cables, place components, or move them.



Bend/Pivot

Used when a component needs to be bent, or part folded or pivoted.



Turn/ Flip

Used when the set needs to be rotated or flipped. Will be located in the top left corner.



Twist/ Braid

Used when a set of cables need to be grouped and twisted together.



Power On Test

Used at the end of a major step to test the lights. Will be located in the top left corner.



Note

Notes will be found alongside the instruction photos and explain what to do.



Before You Begin

Repeat Step

Repeat the previous step eg. Make a spotlight, then make a second spotlight.

x2

Connect Focus

Used to highlight a hard to see area where a component is being connected.



Disconnect Focus

Used to highlight a hard to see area where a component is being disconnected.



General Focus

Used to highlight a hard to see area where a component needs to be acted on.



General Note

This is a sample note that is used anywhere in this guide. It will explain a difficult section where photos are hard to illustrate or easily confused.

Connect Note

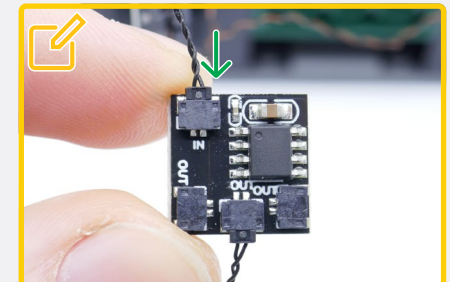
This is the same as the above note but used when the topic focuses on a component being connected, like the shown Power Bank.

Disconnect Note

Same as the other notes but used when the topic focuses on a component being disconnected or like here, the removed pieces.

NOTE

Connect the 5cm Connecting Cable from the 4-Port Micro Expansion Board into the "IN" port of the Flicker Effects Board



NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)



NOTE

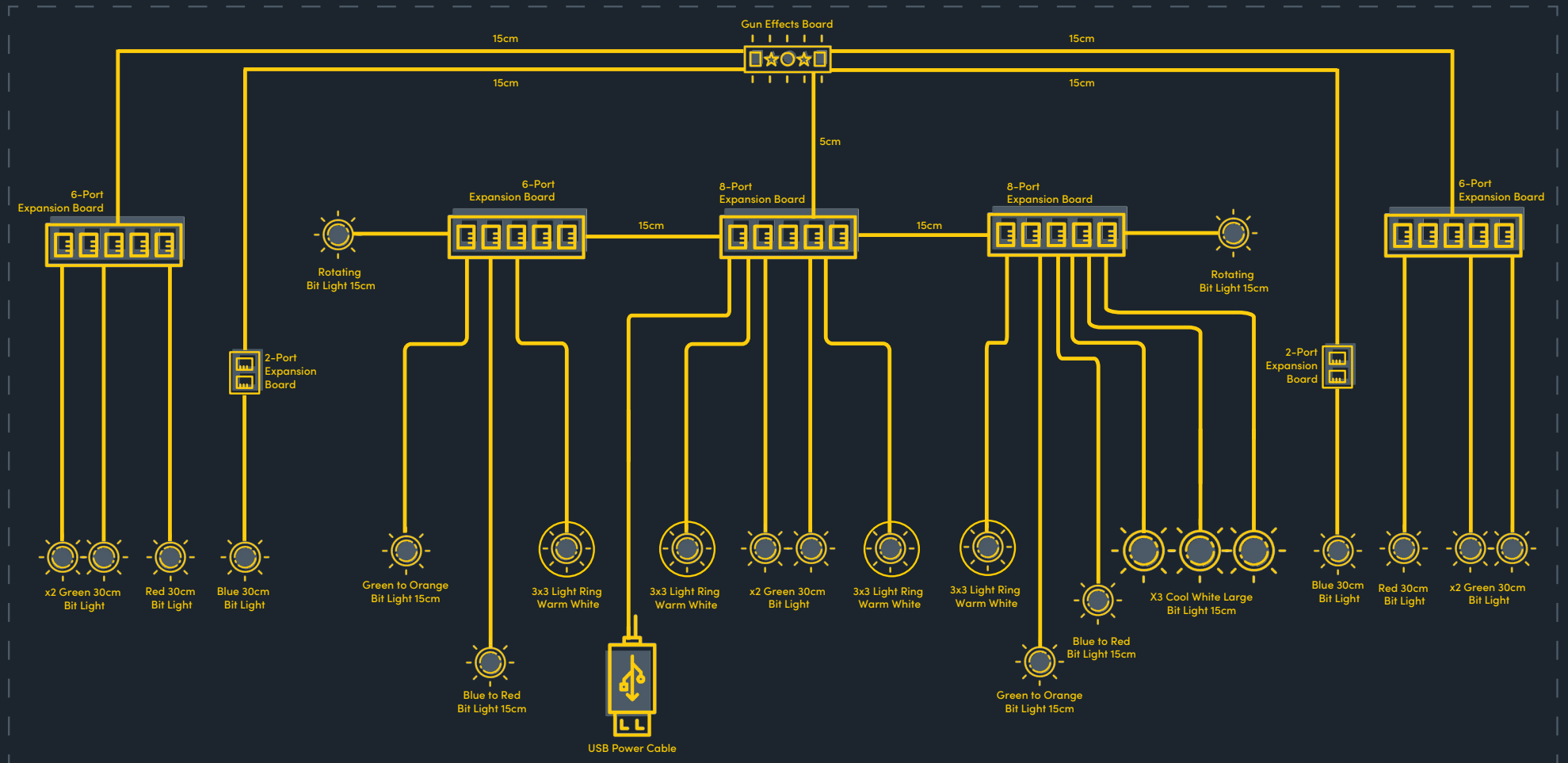
You should have these parts left over that were removed from the LEGO set





BLUEPRINT









Galaxy Explorer Blueprint





INSTRUCTIONS

To ensure a smooth installation of your light kit, please read and follow each step carefully. If you run into any issues, please refer to the online troubleshooting guide.

	LEGEND:		DISCONNECT		CONNECT / RECONNECT		TURN / FLIP		DIRECTIONAL		TWIST / BRAID		POWER ON / TEST
	LEGENDE:		TRENNEN		VERNINDEN / WIEDERVERBINDEN		WENDEN / KIPPEN		DIRECTIONAL		DREHEN / VERDREHEN		EINSCHALTEN / TESTEN
	LÉGENDE:		DÉCONNECTER		CONNECTER / RECONNECTER		TOUR / INCLINAISON		DIRECTIONNEL		TORSION / TRESSER		POWER ON / TEST
	LEGGENDA:		SCOLLEGARE		CONNETTI / RICONNETTI		ROTARE / INCLINARE		DIREZIONALE		TWIST / TRECCIA		POWER ON / TEST

1



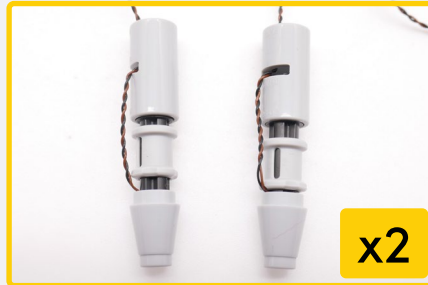
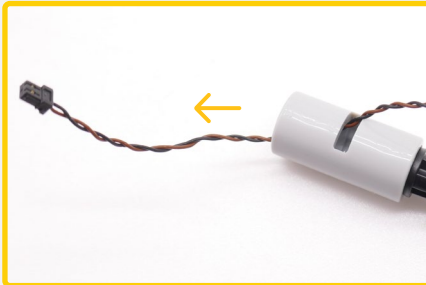
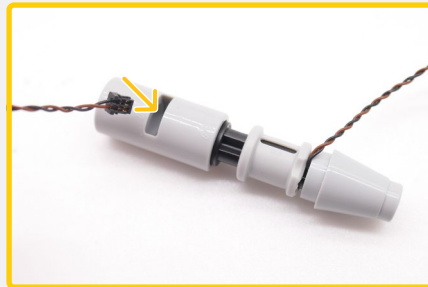
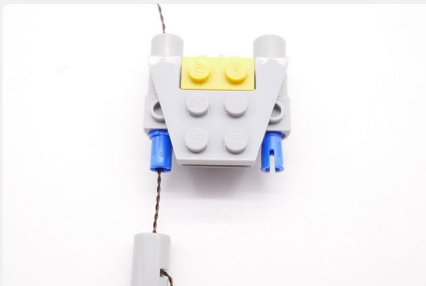
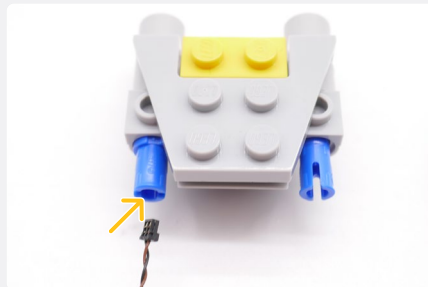
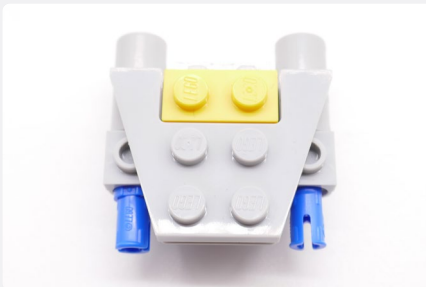
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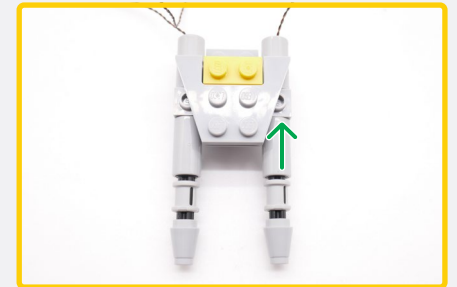
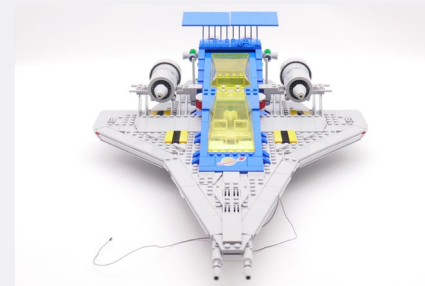
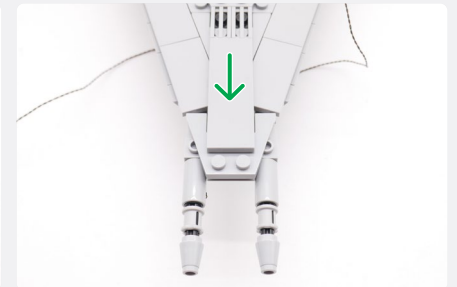
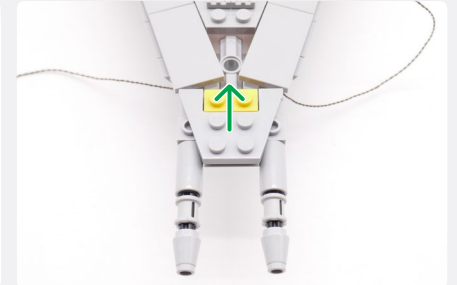
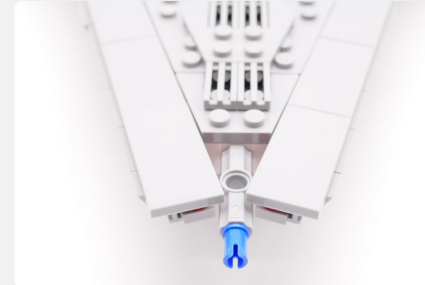
NOTE

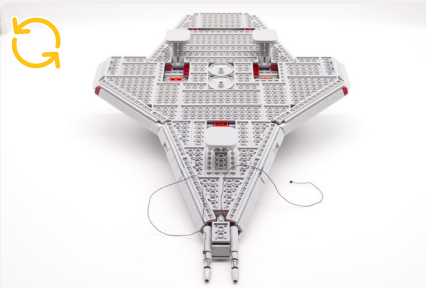
Thread the connector through the opening as shown. Pull through until the cable is tight.


4

5

NOTE

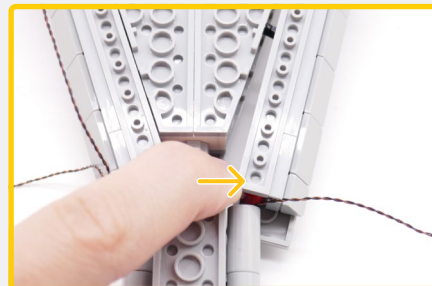
Repeat step 4 to mirrored side.


6


7


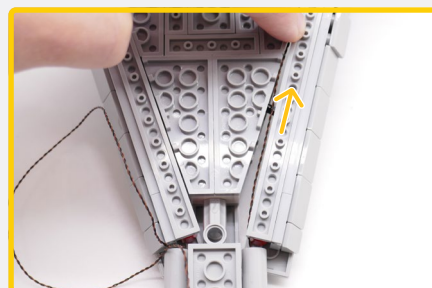
NOTE

Use a finger or Lego pry tool to disconnect the side panel but ensure to not fully remove.



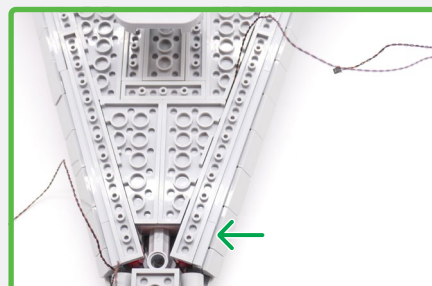
NOTE

Pull the cable along the opening letting it fall between the disconnected side panel.



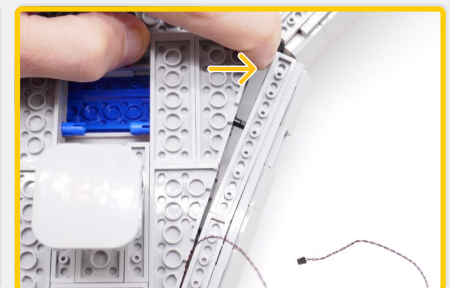
NOTE

Reconnect the side panel ensuring the cable is sandwiched inbetween.



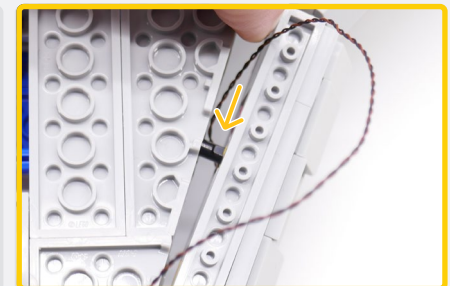
NOTE

Use a finger or Lego pry tool to disconnect the side panel but ensure to not fully remove.



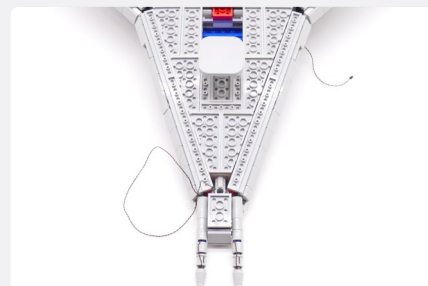
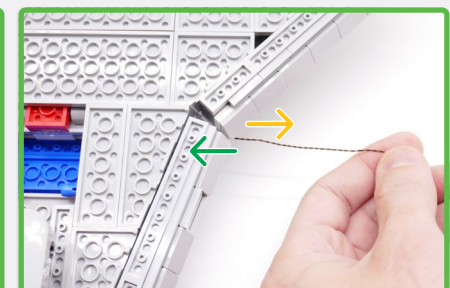
NOTE

Thread cable down through the gap. Making sure its on the top side of the black connecting pin.



NOTE

Pull cable through before reconnecting the side panel ensuring the cable is sandwiched inbetween.

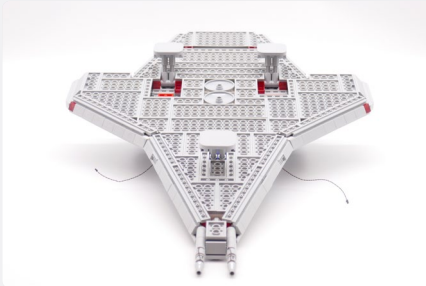


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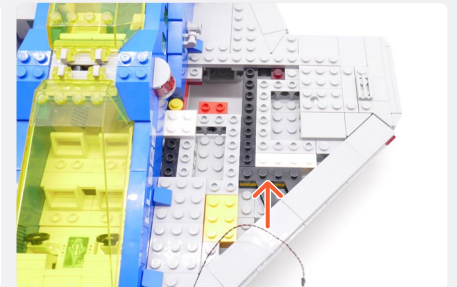
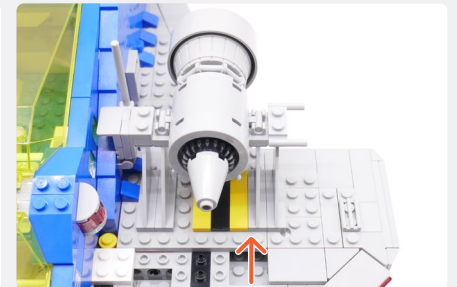
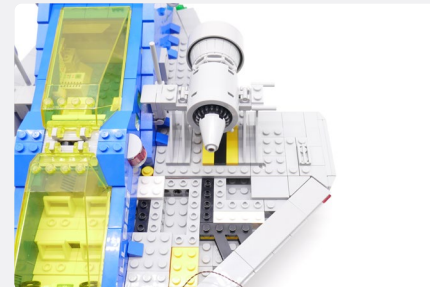
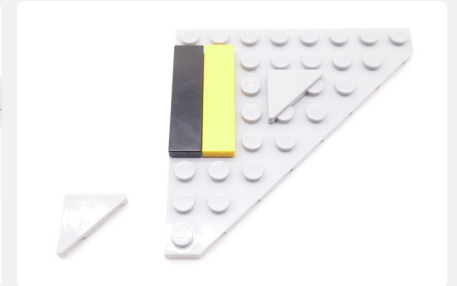
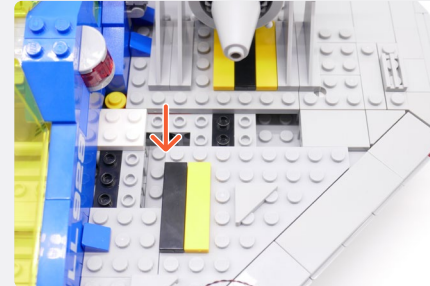
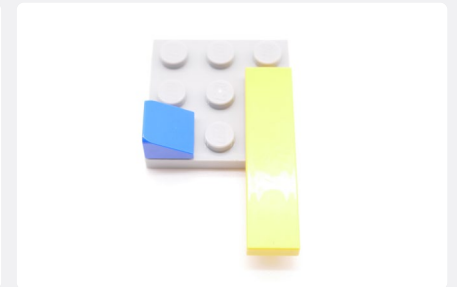
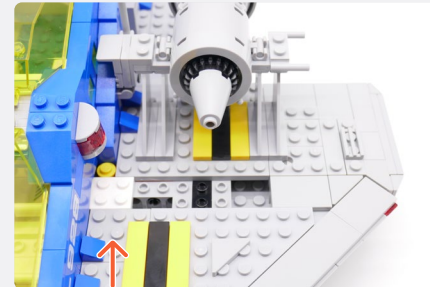
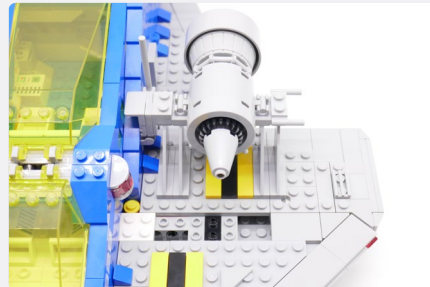
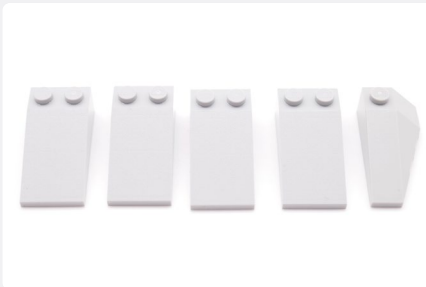
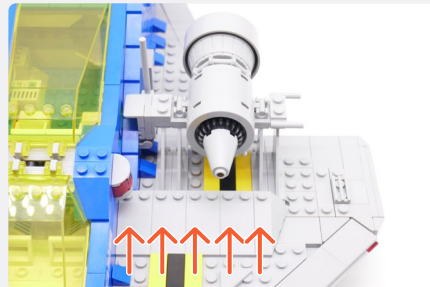
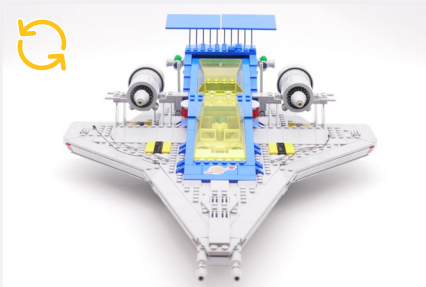


NOTE

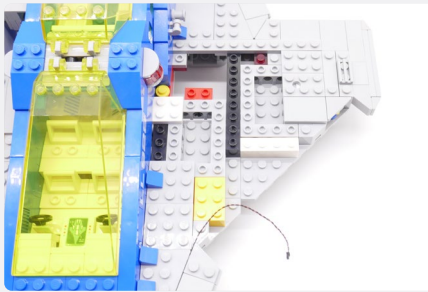
Repeat Step 7 for the opposite side.



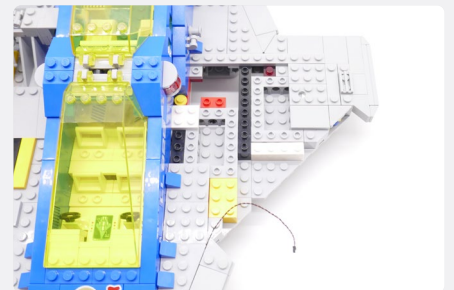
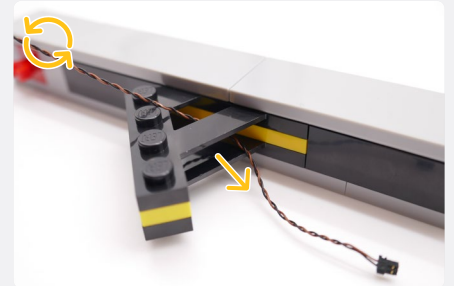
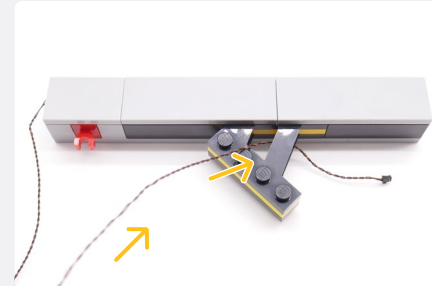
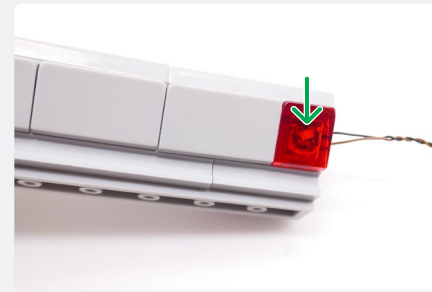
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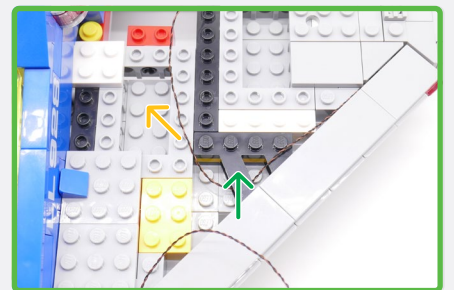


Red 30cm Bit Light

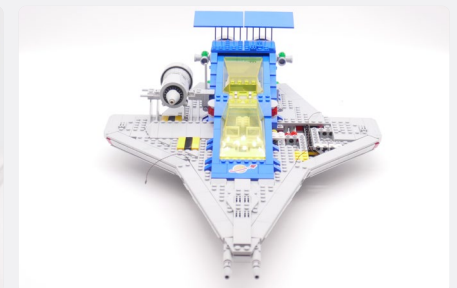
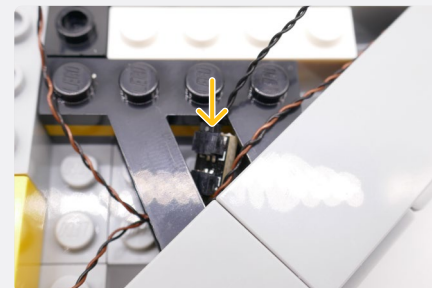
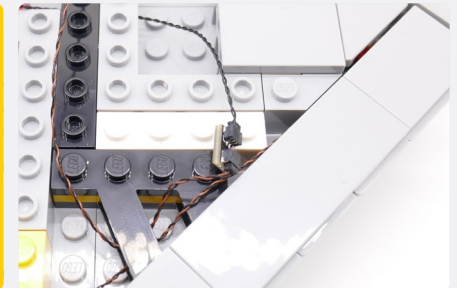
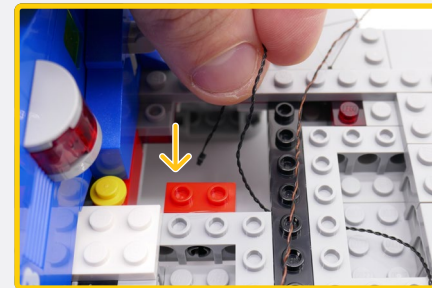
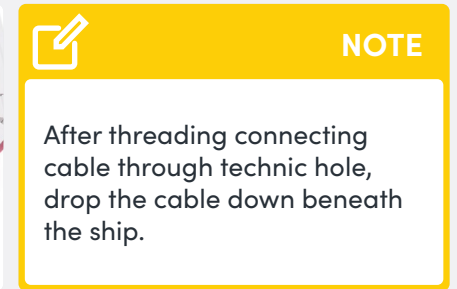
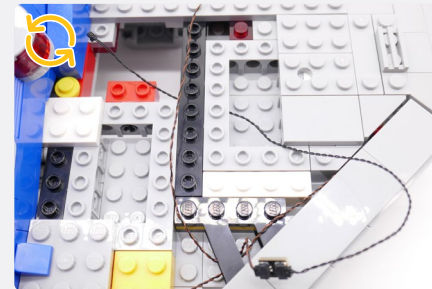
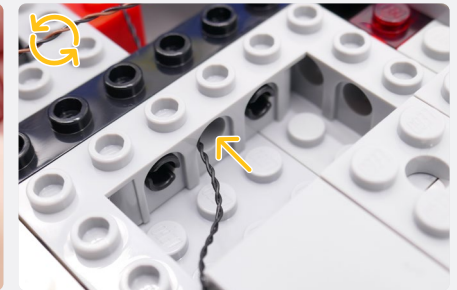
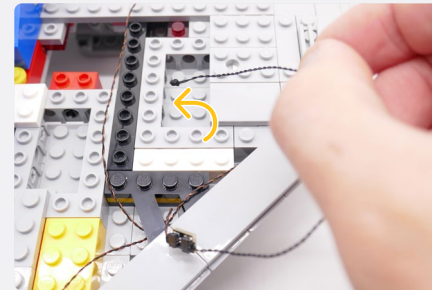
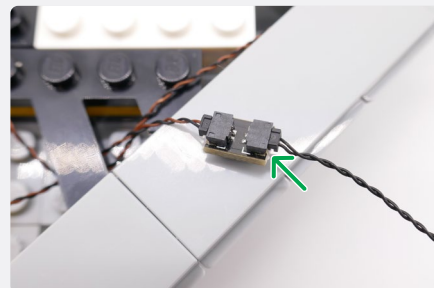
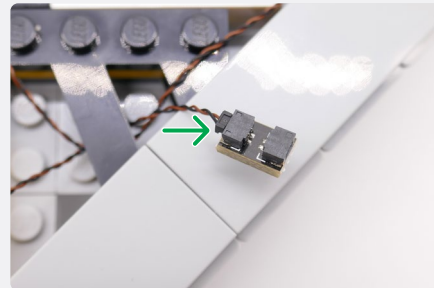
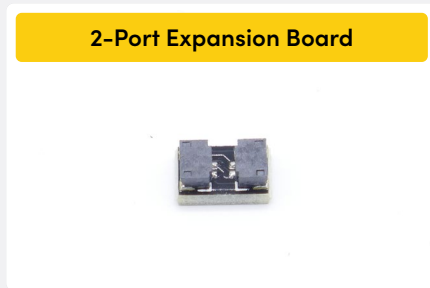
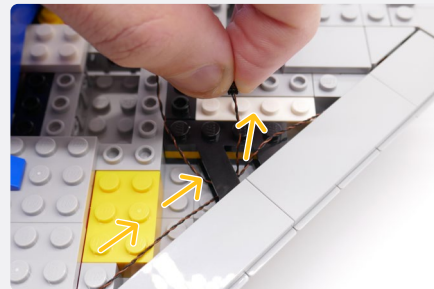
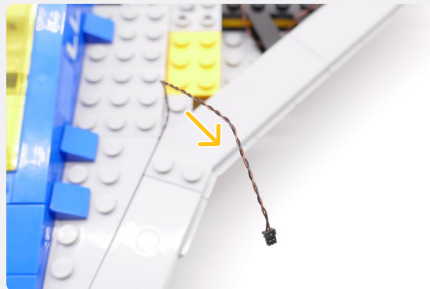
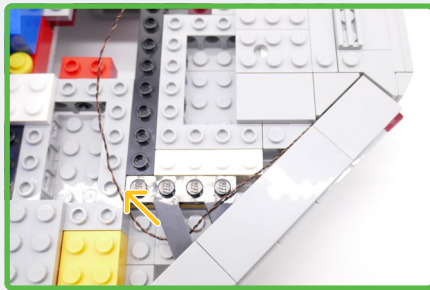


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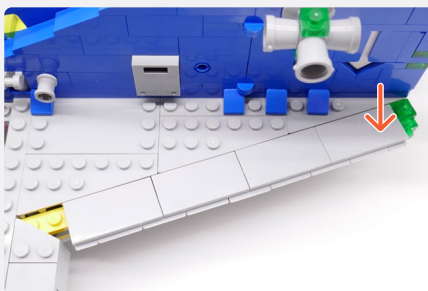
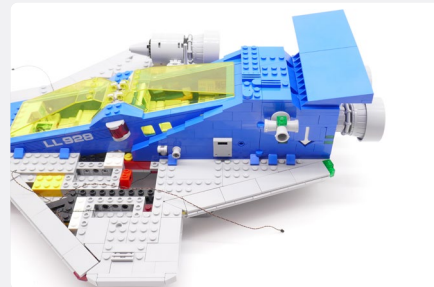
Reconnect the panel ensuring the cable is sandwiched inbetween.



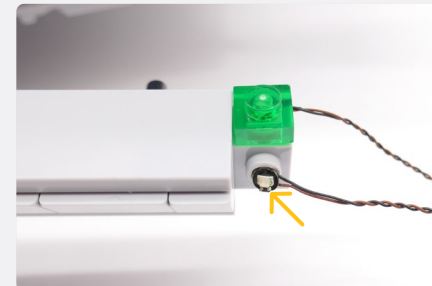
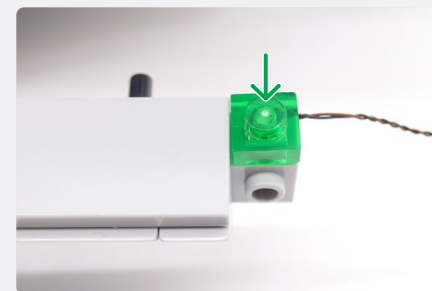
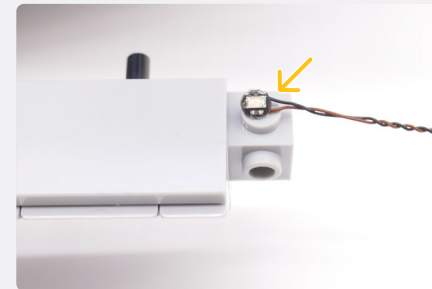
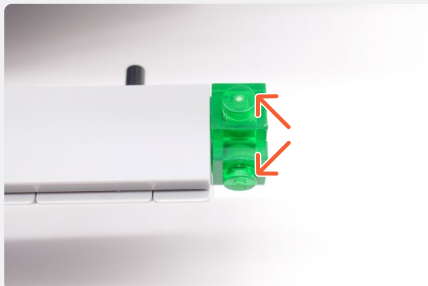
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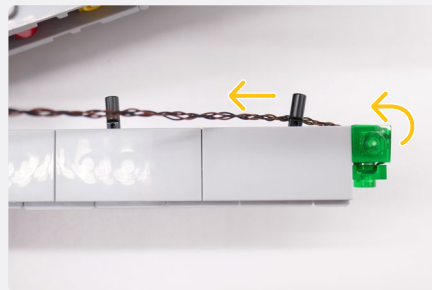
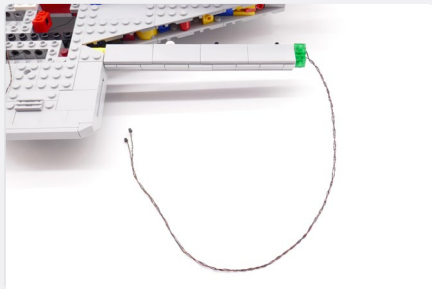
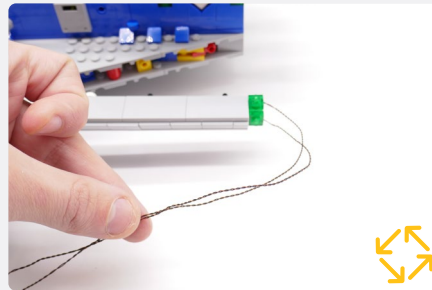
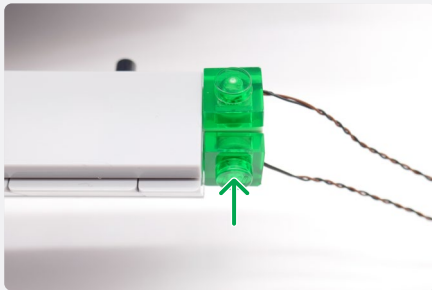


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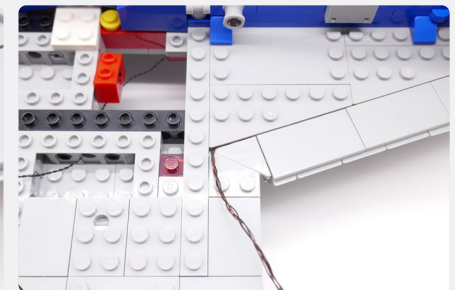
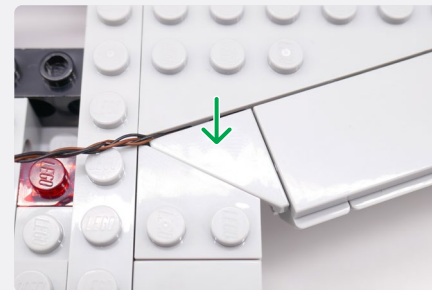
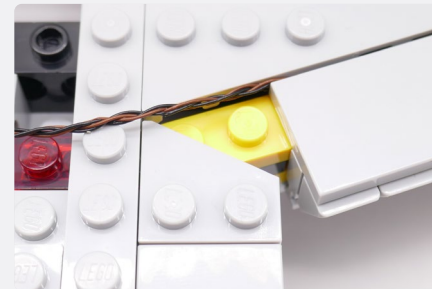
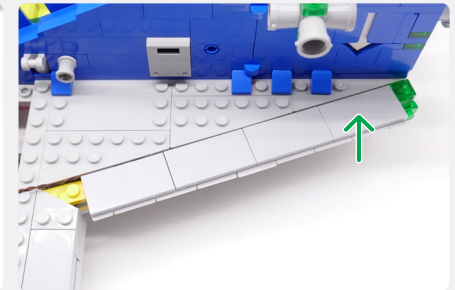
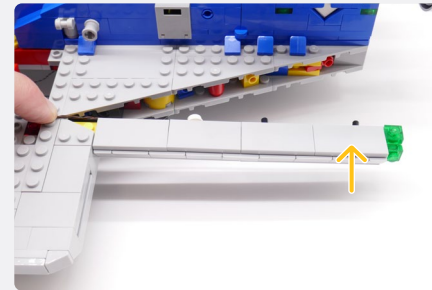
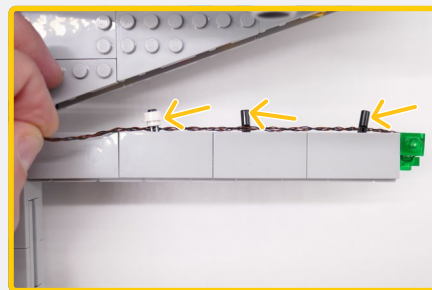
13





NOTE

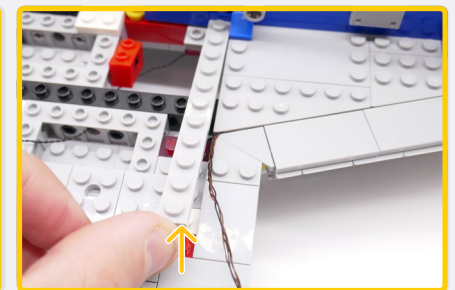
Pull the cable along the inside of the side panel - ensuring you alternate from the top and bottom of the connecting pins.



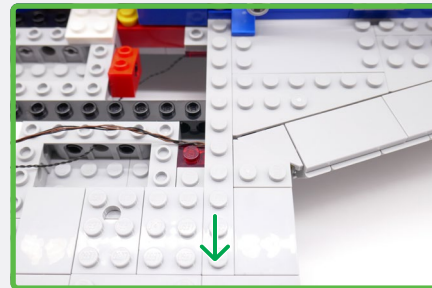
NOTE

Disconnect plate without completely removing it.

Thread cable beneath then reconnect plate.

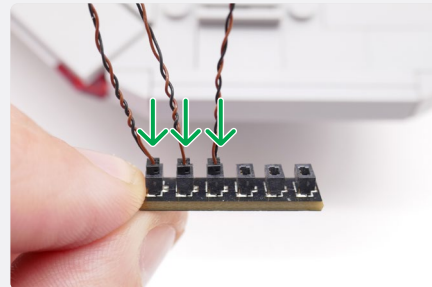
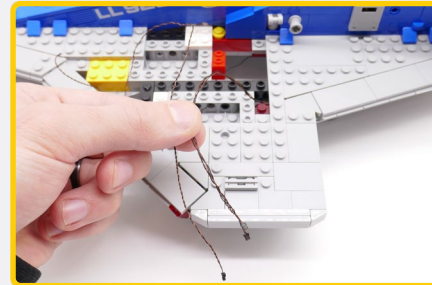


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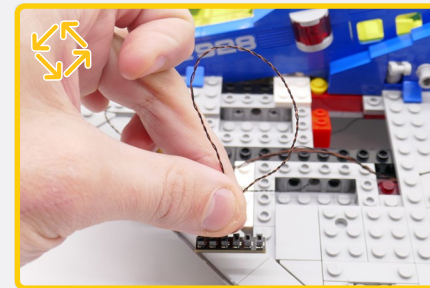
NOTE

Connect the Red 30cm Bit Light and 2x Green 30cm Bit Lights (braided cables) to the 6-Port Expansion Board.



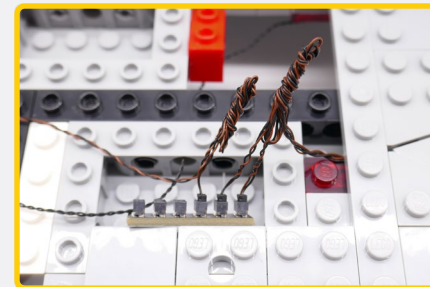
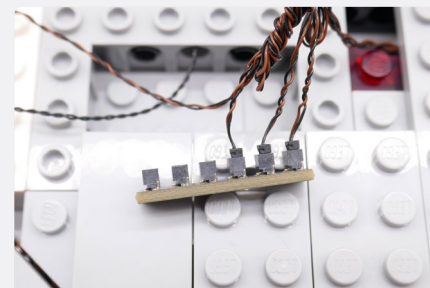
NOTE

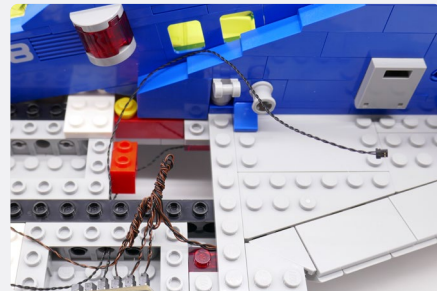
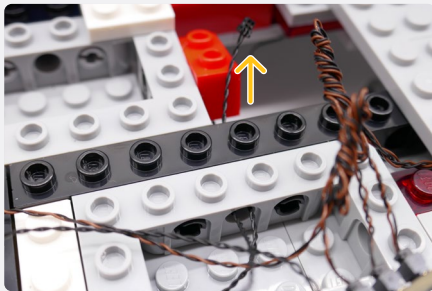
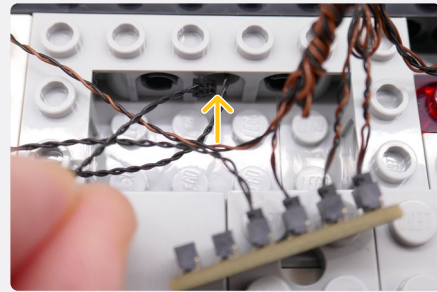
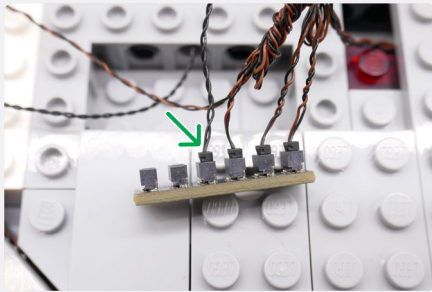
Twist the Red 30m Bit Light cable in a bundle to shorten the length.



NOTE

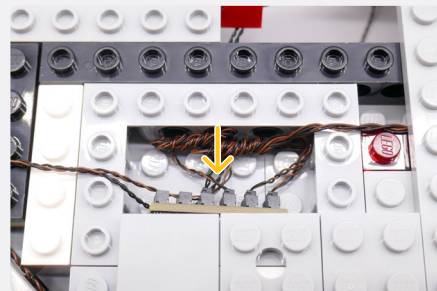
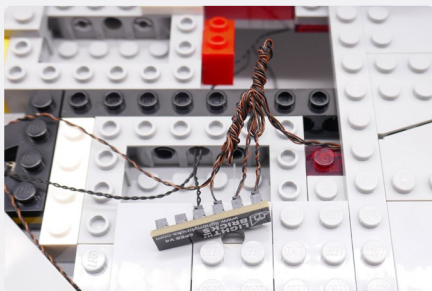
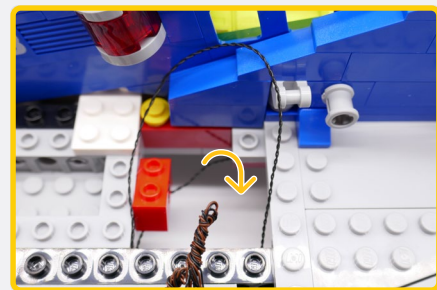
Twist the braided Green 30cm Bit Light cables into a small bundle.


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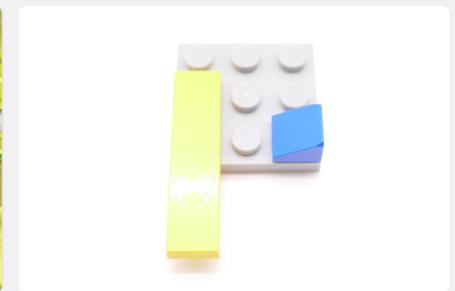
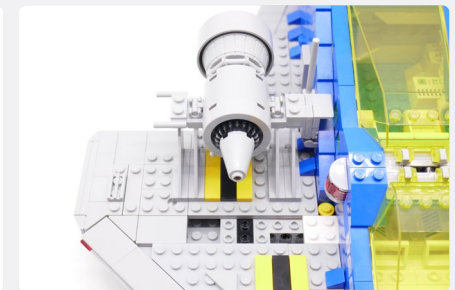
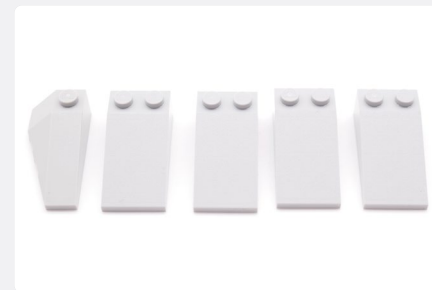
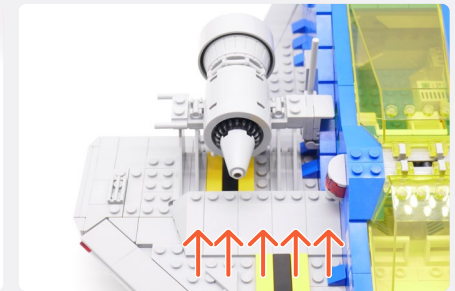
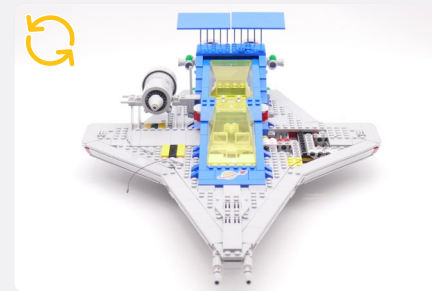


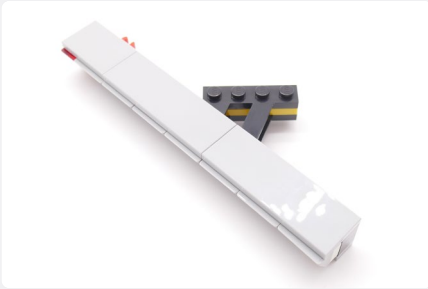
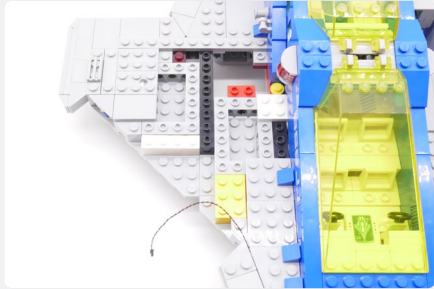
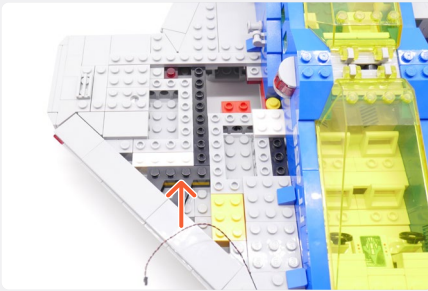
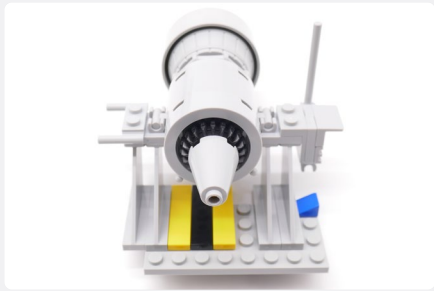
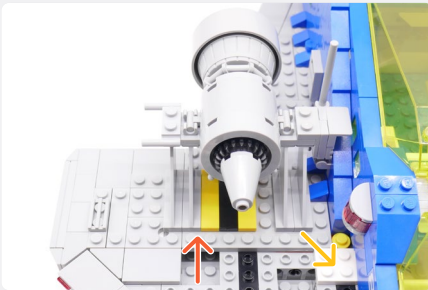
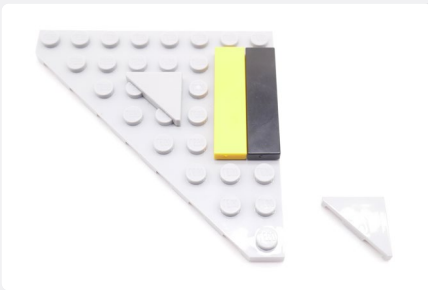
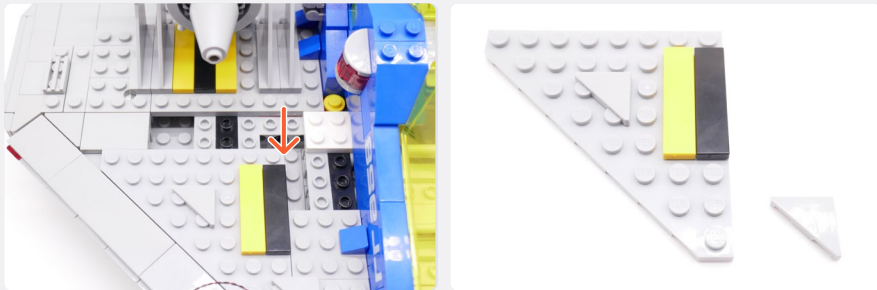
NOTE

Drop the Connecting Cable down to the bottom of the ship.

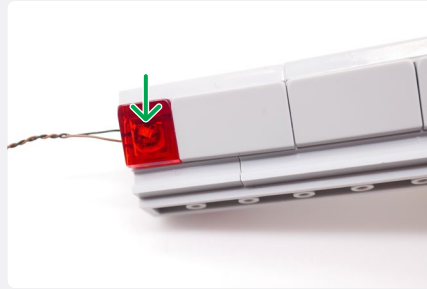
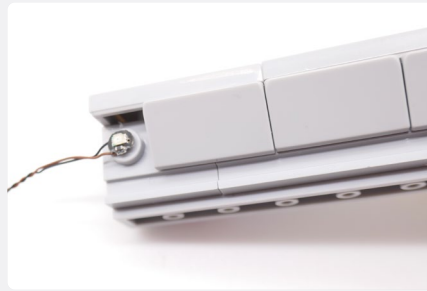


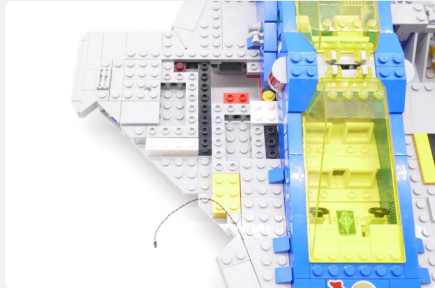
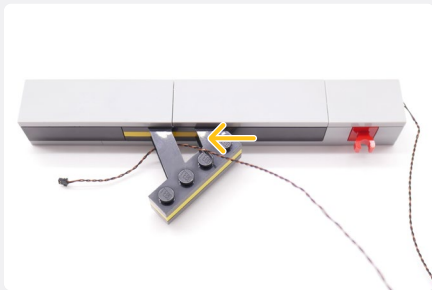
17





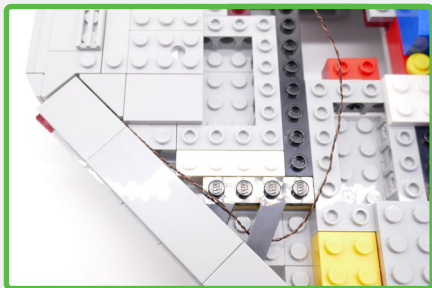
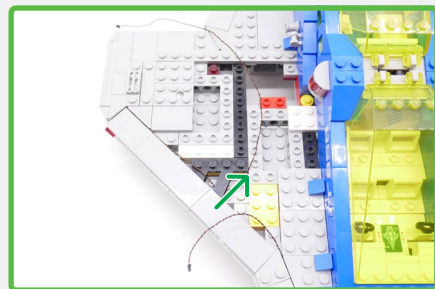
18



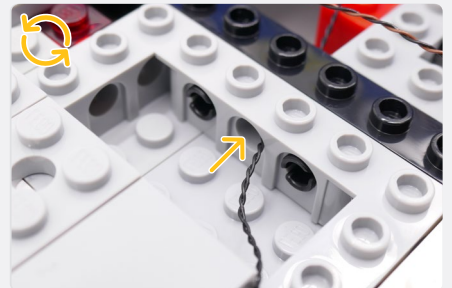
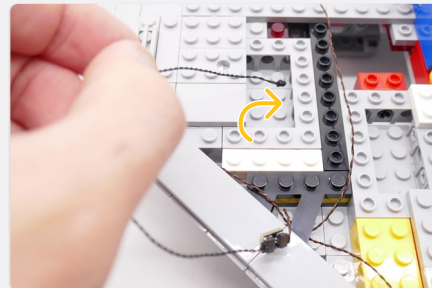
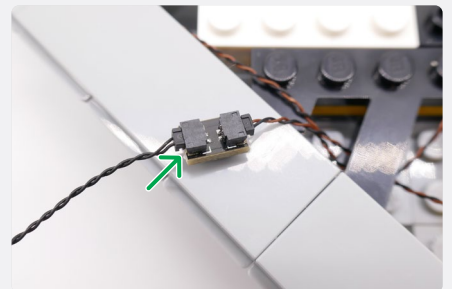
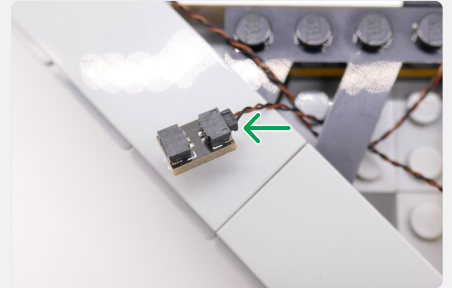
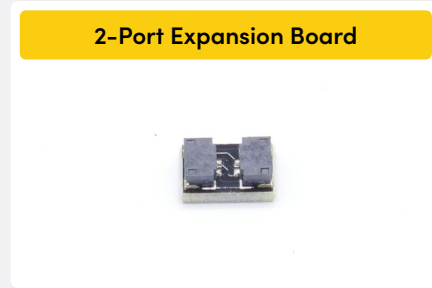
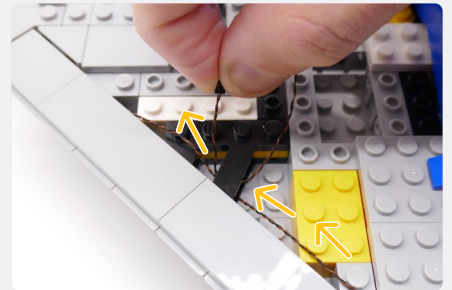
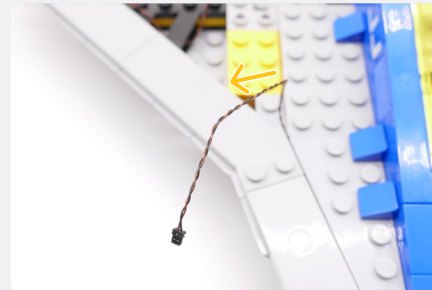


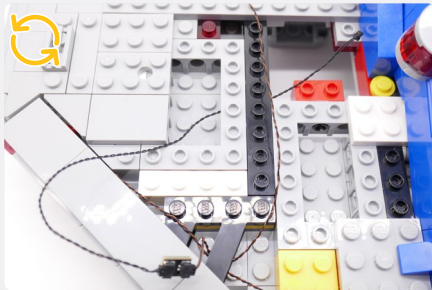
NOTE

Connect the panel ensuring the cable is sandwiched inbetween.



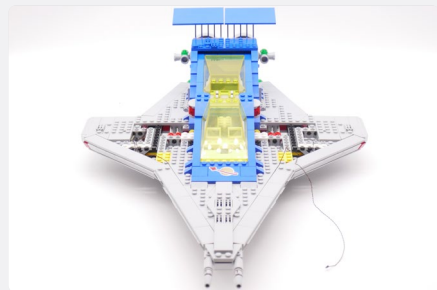
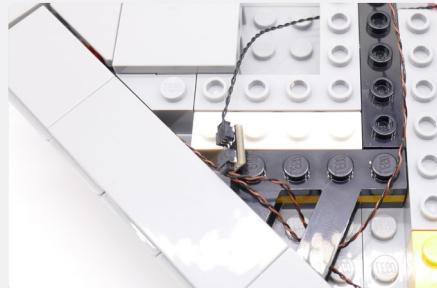
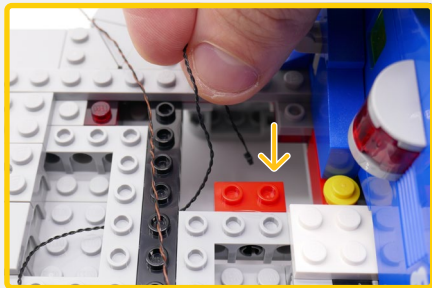
19





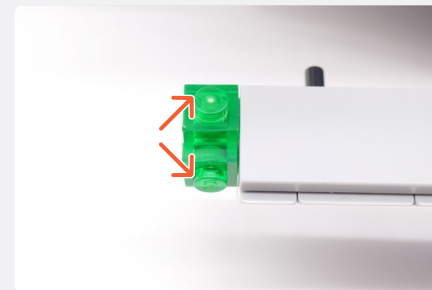
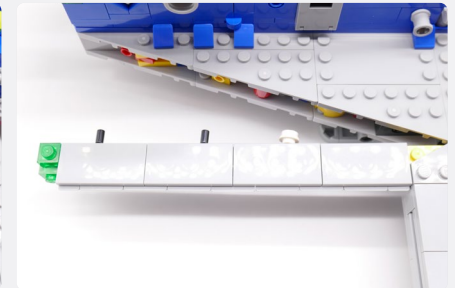
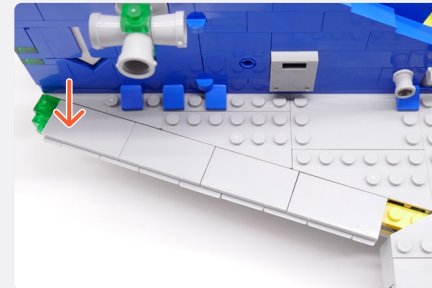
NOTE

After threading the Connecting Cable through the technic hole, drop the cable down beneath the ship.

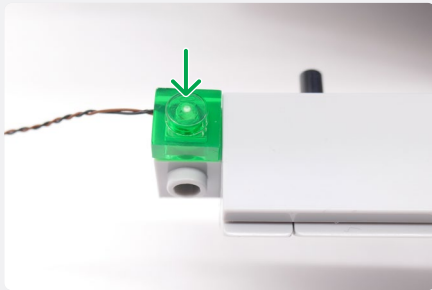
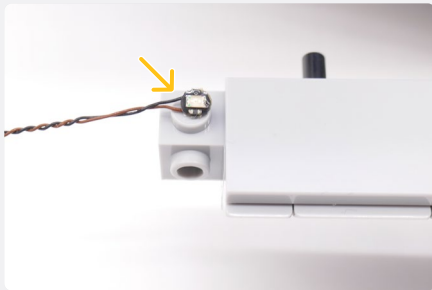


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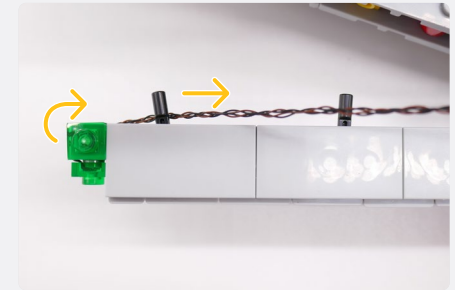
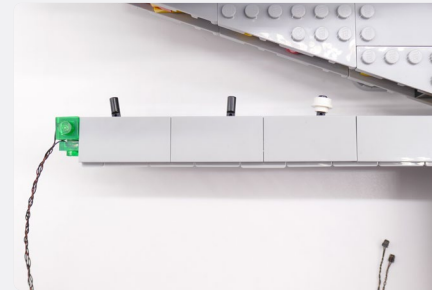
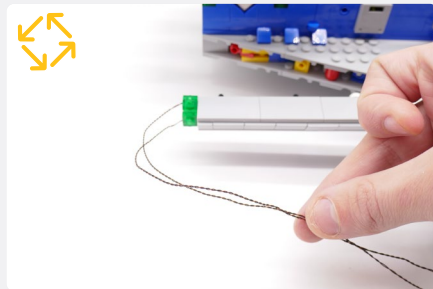
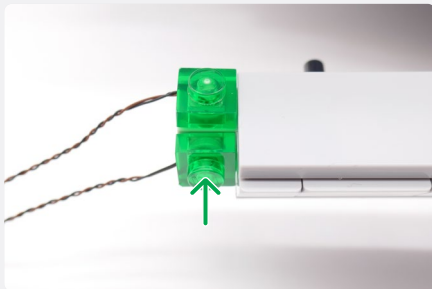
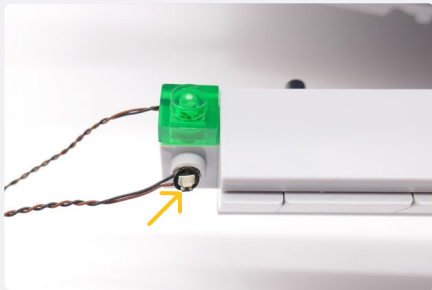
21



Green 30cm Bit Light

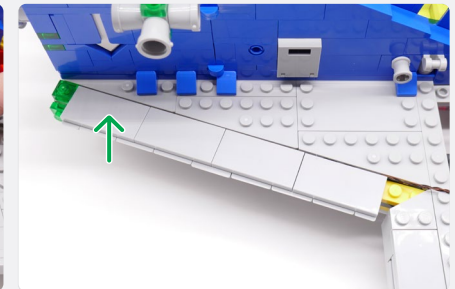
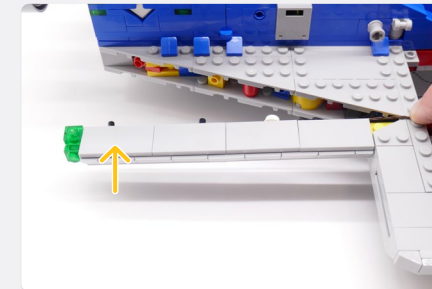
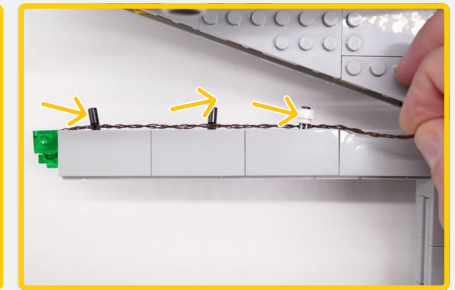


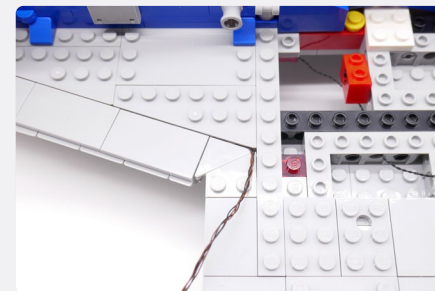
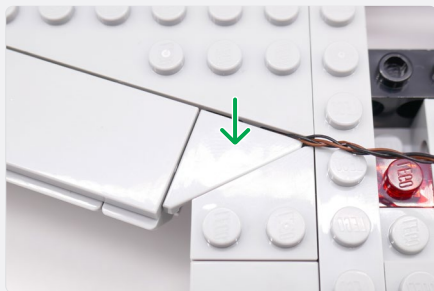
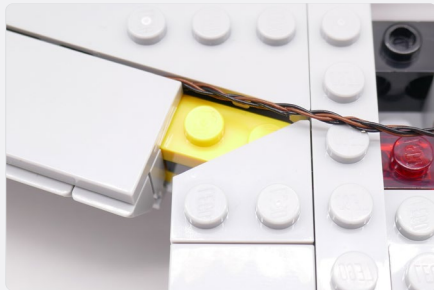
22



NOTE

Pull the cable along the inside of the side panel - ensuring to alternate from the top to bottom of the connecting pins.

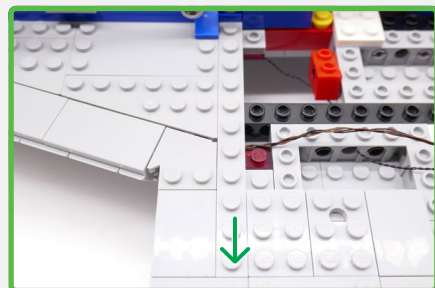
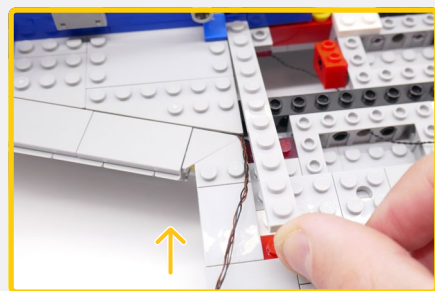




NOTE

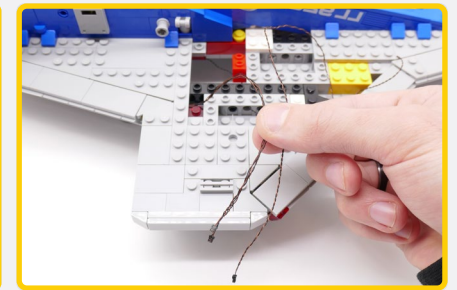
Disconnect the plate without completely removing it.

Thread the cable beneath before reconnecting the plate.

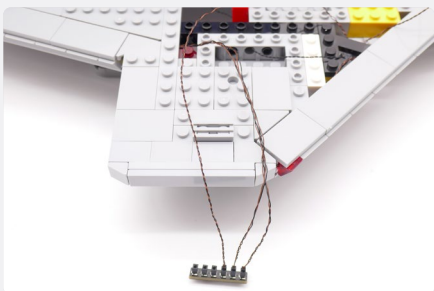
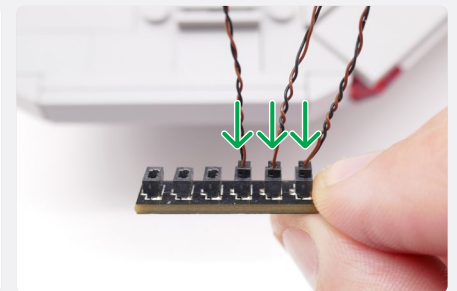

23

NOTE

Connect the Red 30cm Bit Light and 2x Green 30cm Bit Light to the 6-Port Expansion Board.

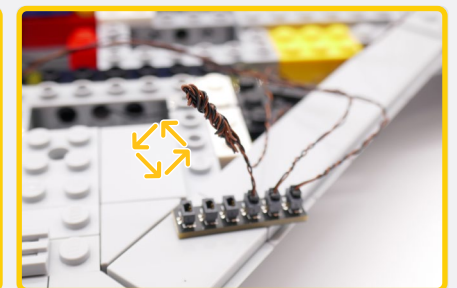


6-Port Expansion Board



NOTE

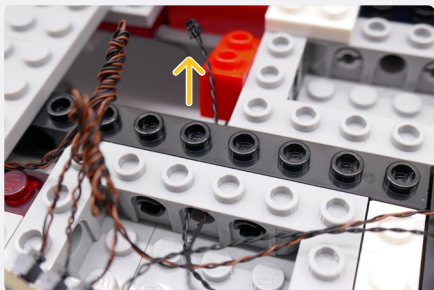
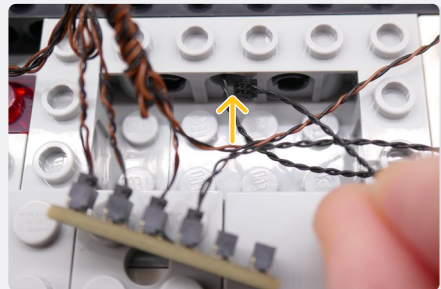
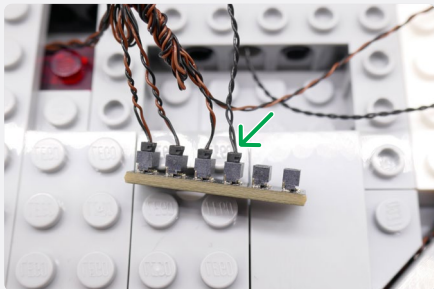
Twist the Red 30m Bit Light cable in a bundle to shorten the length.



24

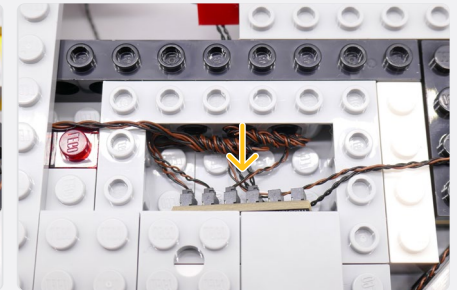
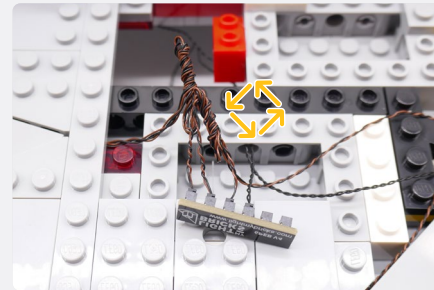


15cm Connecting Cable

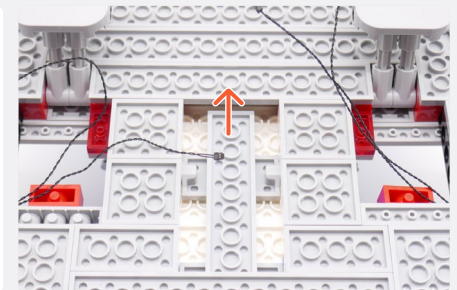
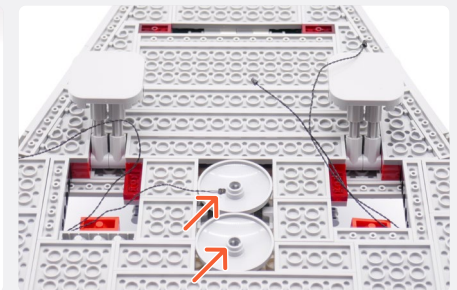


NOTE

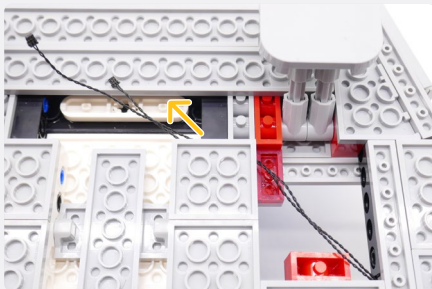
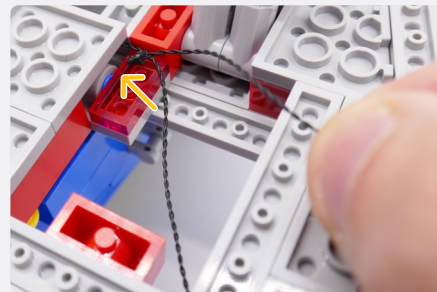
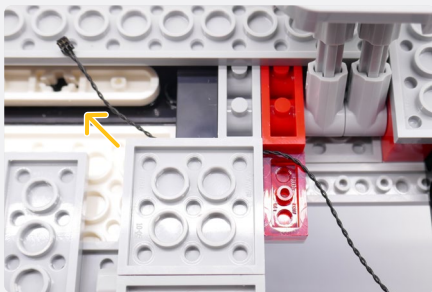
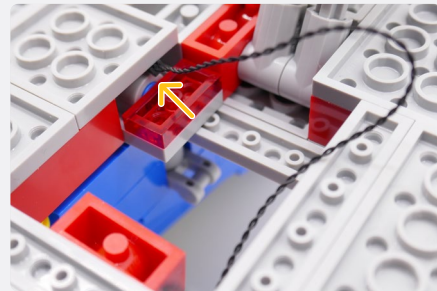
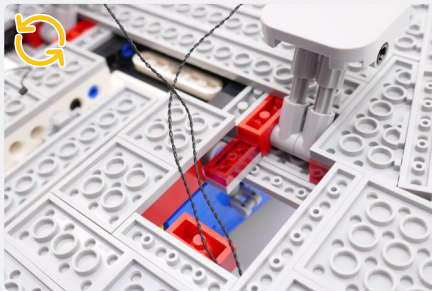
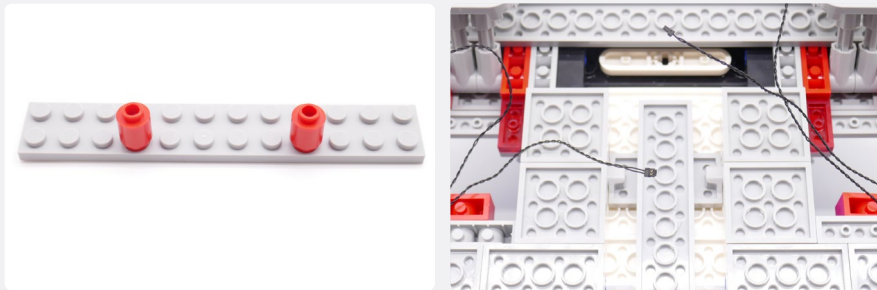
Drop connecting cable down to the bottom of the ship.



25



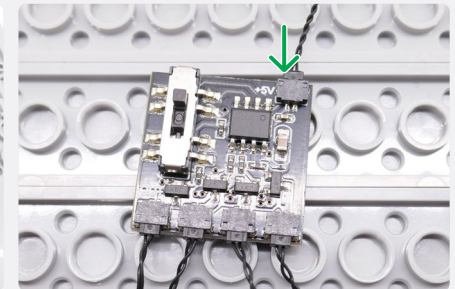
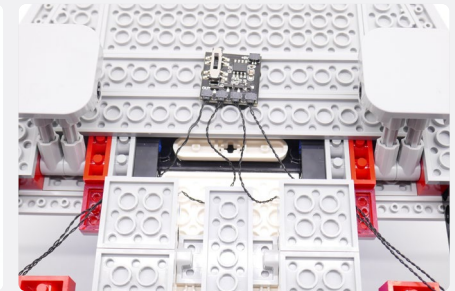
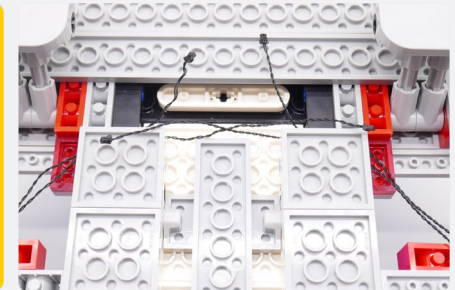
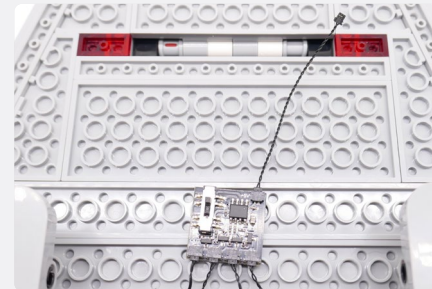
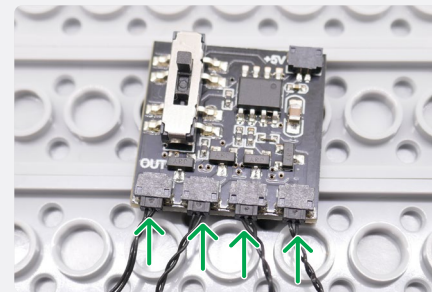
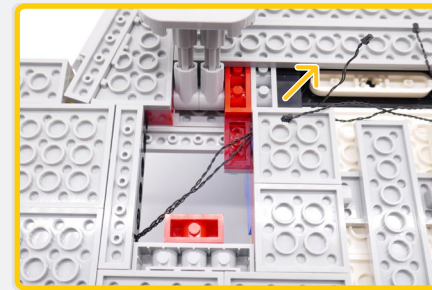
26



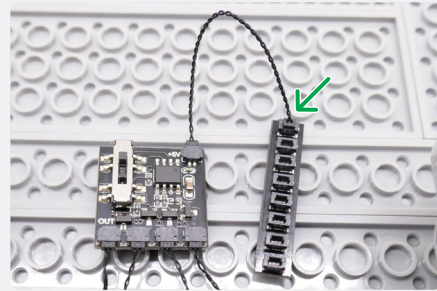
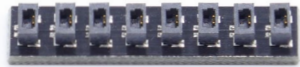
NOTE

Repeat step 26 on the left side.
Thread cables into gap and pull them through.

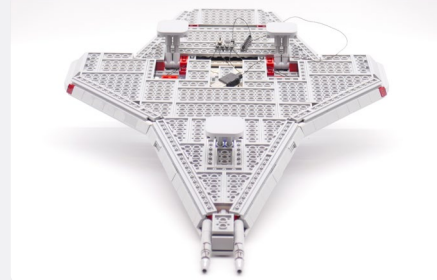
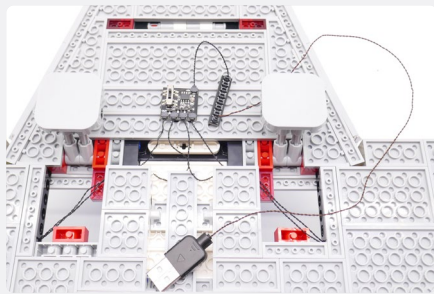
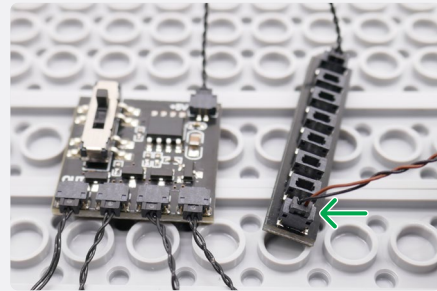
27



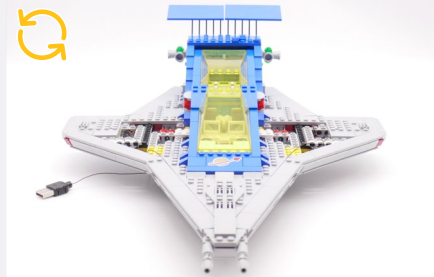
8-Port Expansion Board



USB Power Cable



28



NOTE

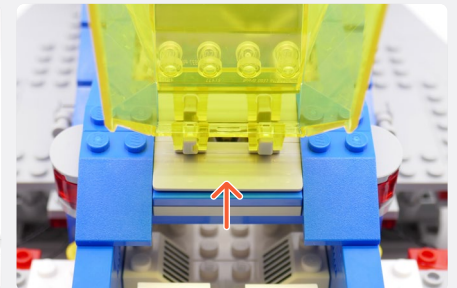
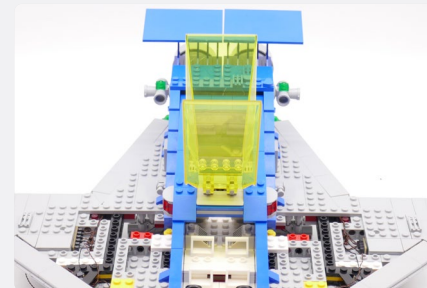
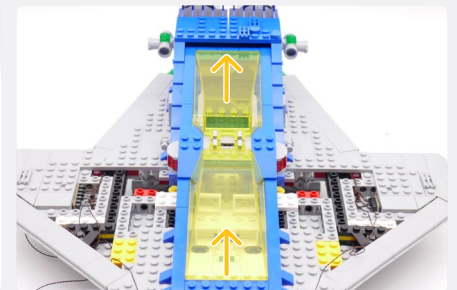
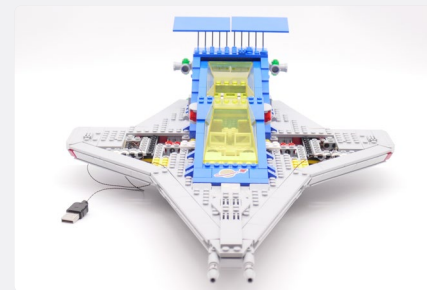
Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)

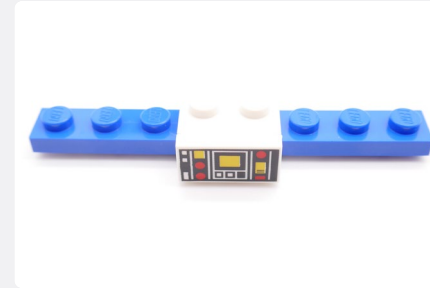
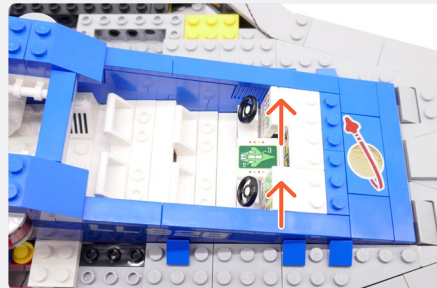
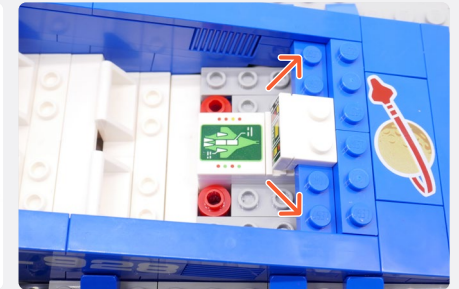
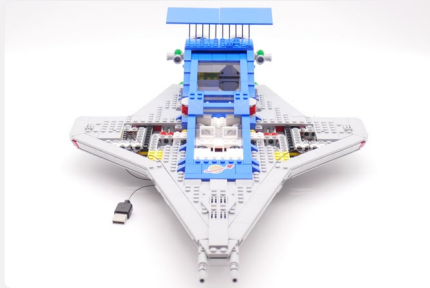
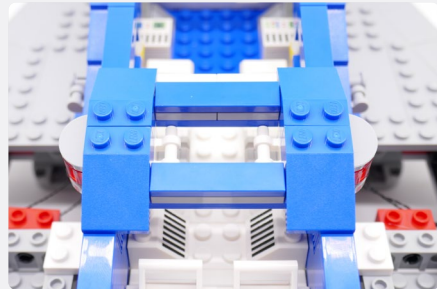
29



NOTE

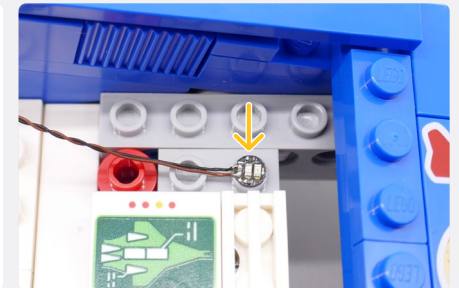
Ensure the lights are flashing.
Disconnect the USB Power Bank after testing.



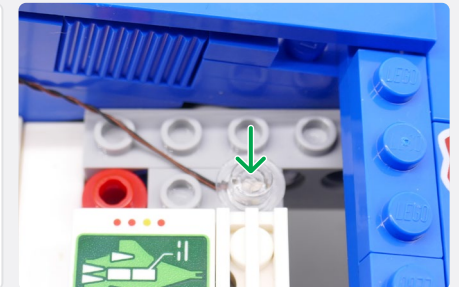


30

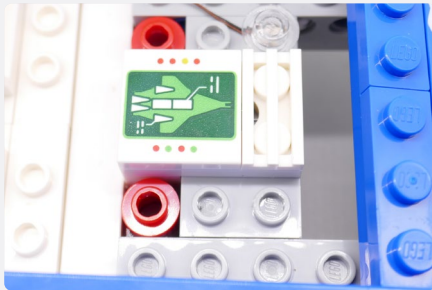
Red to Blue 15cm Bit Light



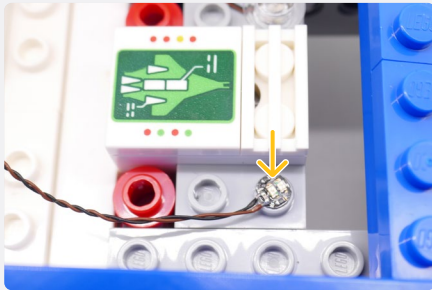
Round Plate 1x1 - Trans Clear



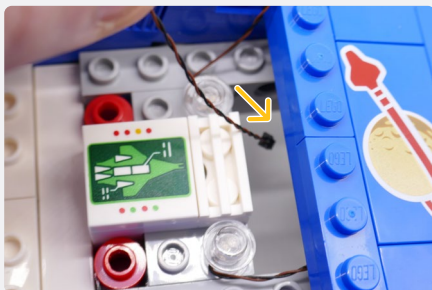
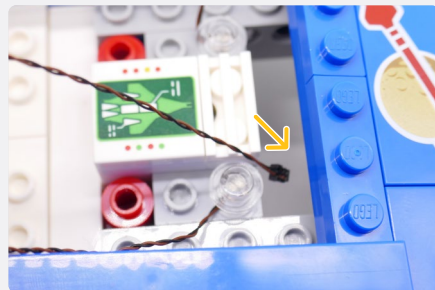
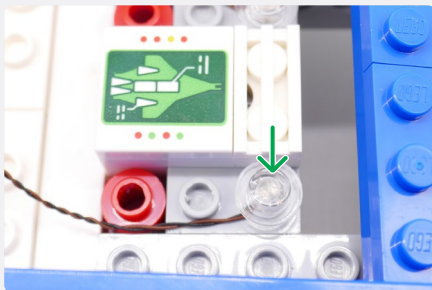
31



Green to Orange 15cm Bit Light



Round Plate 1x1 - Trans Clear



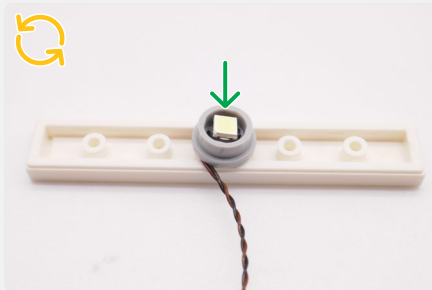
Round Plate 1x1 Open Stud - Light Grey



Cool White 15cm Large Bit Light

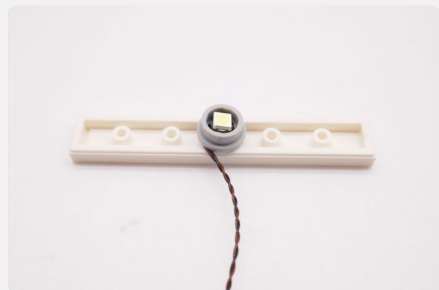
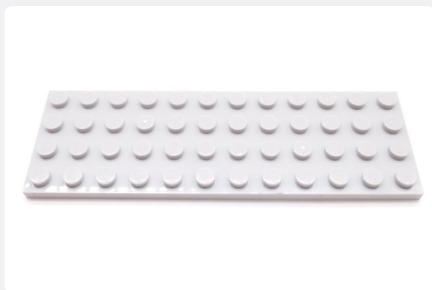
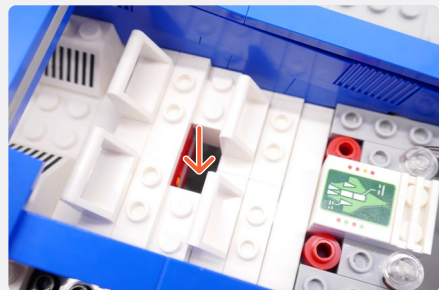
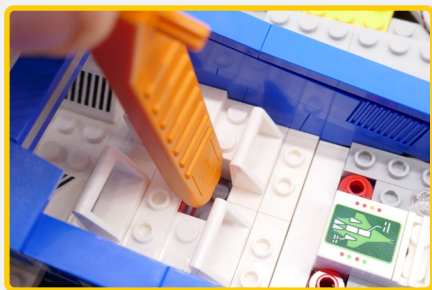


32

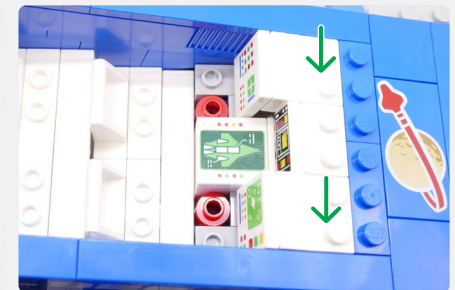
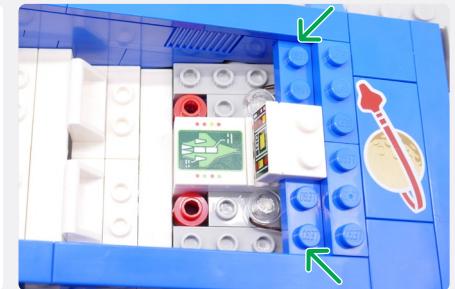
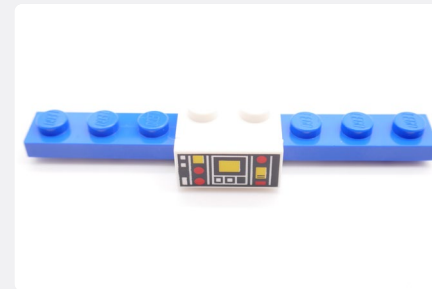
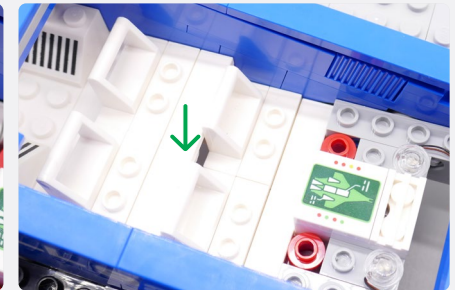
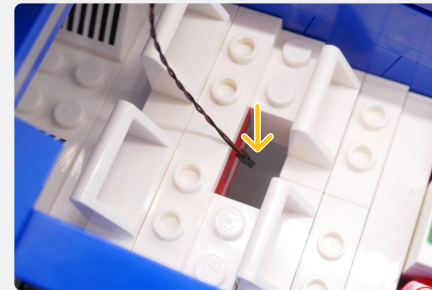


NOTE

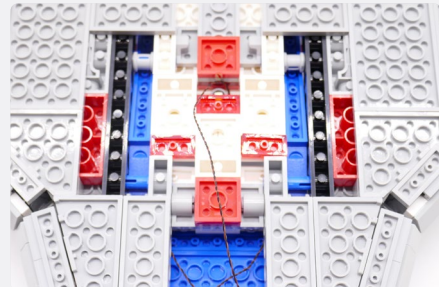
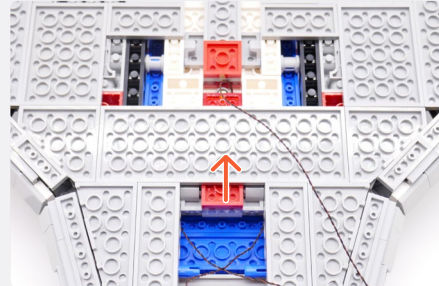
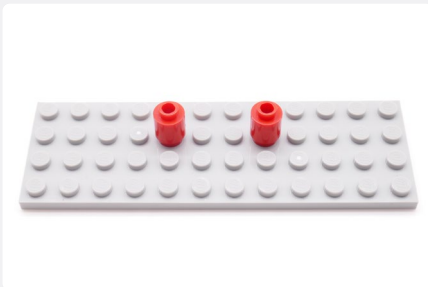
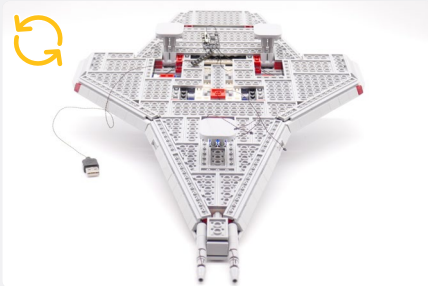
Press down on Light Grey Plate using a LEGO Pry Tool till it disconnects from the base.



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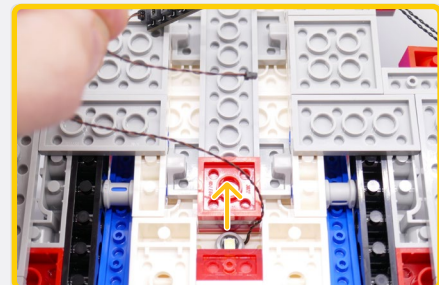


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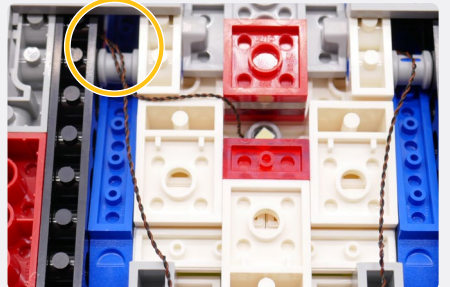
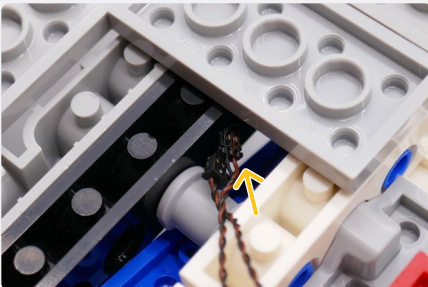
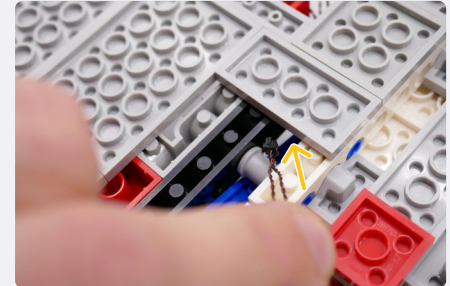
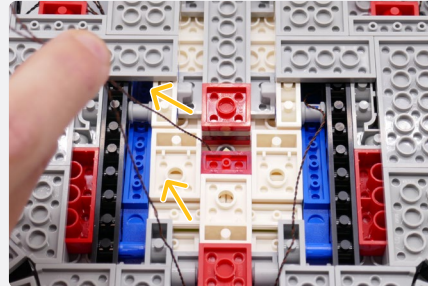
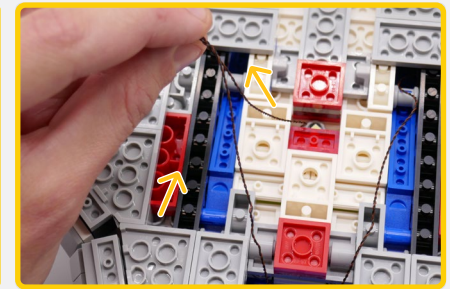
NOTE

Take the Cool White Large Bit Light



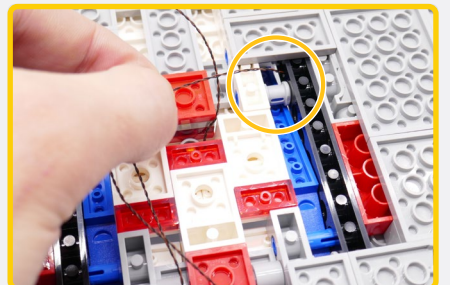
NOTE

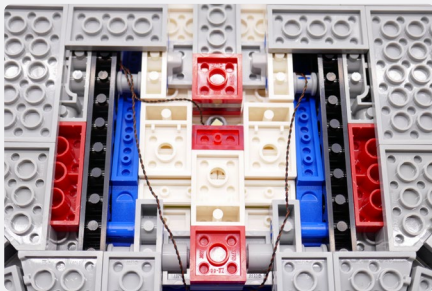
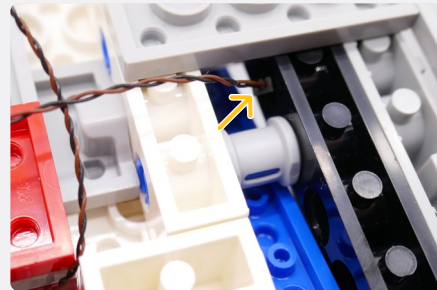
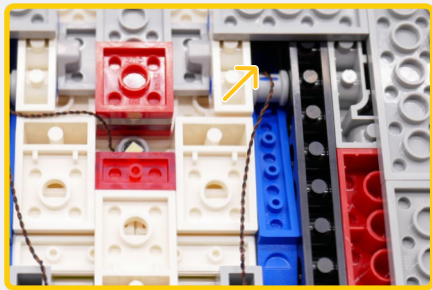
Thread the Green & Orange Bit Light poking through from the front gear opening along with the Cool White Large Bit Light.



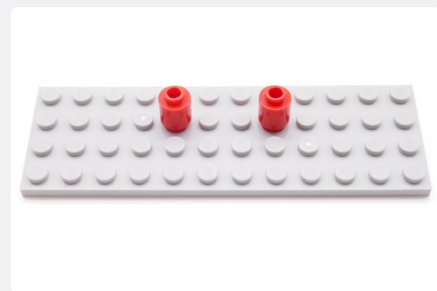
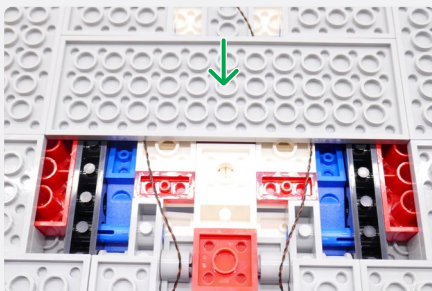
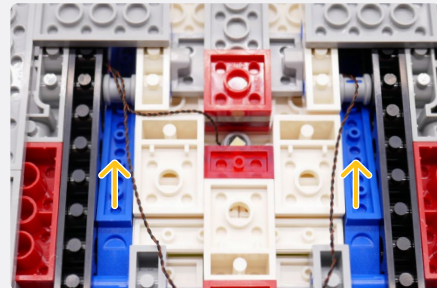
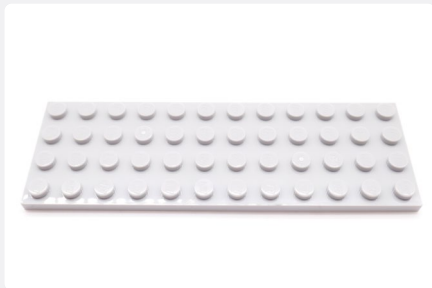
NOTE

Repeat the same process to the other Red & Blue Bit Light from the front gear opening. Thread through the technic hole.

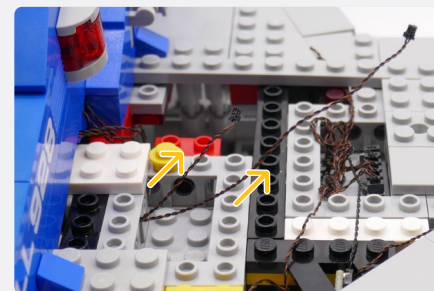
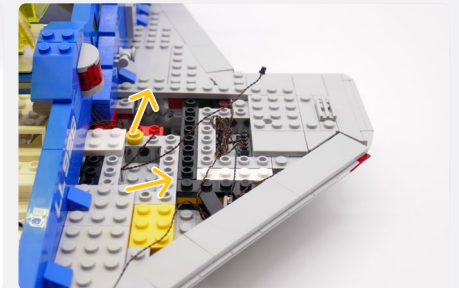
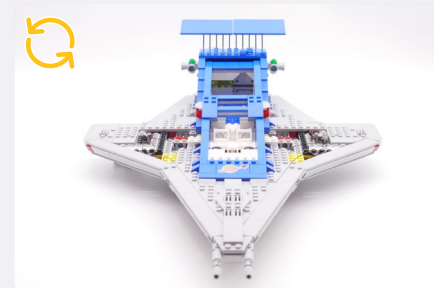
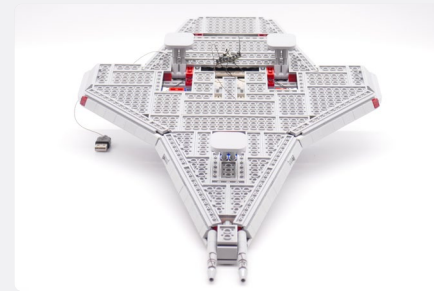
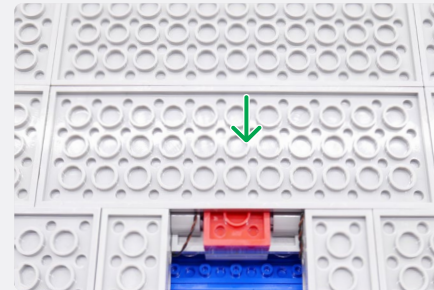




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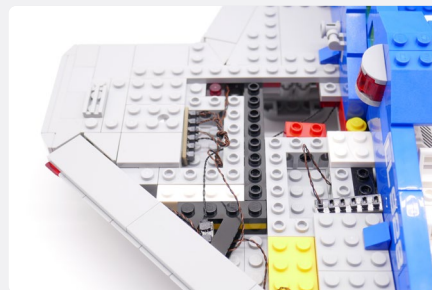
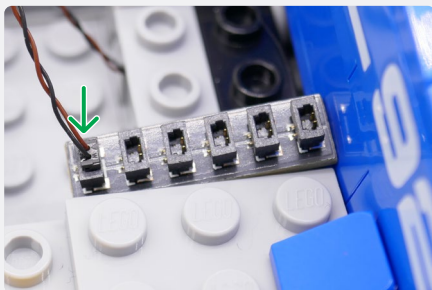
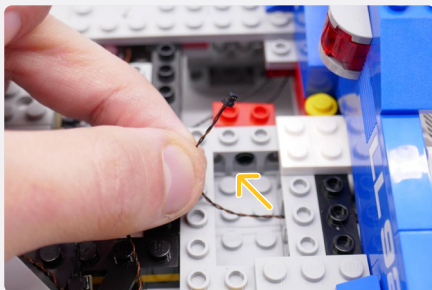
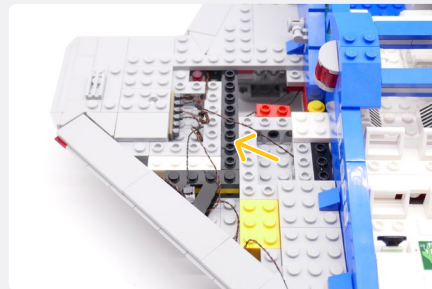
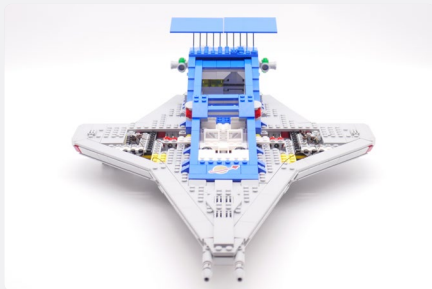
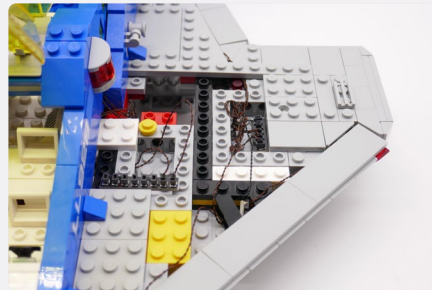
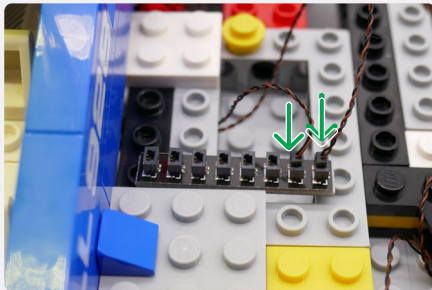
36



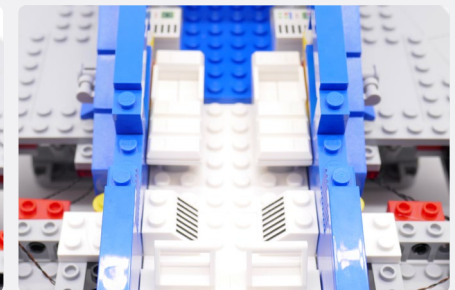
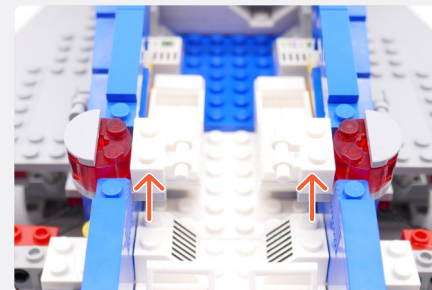
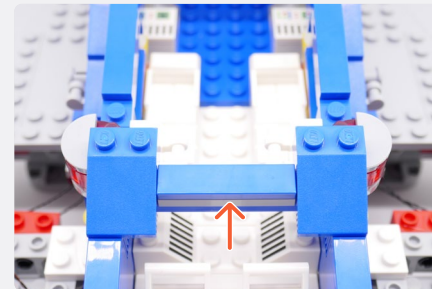
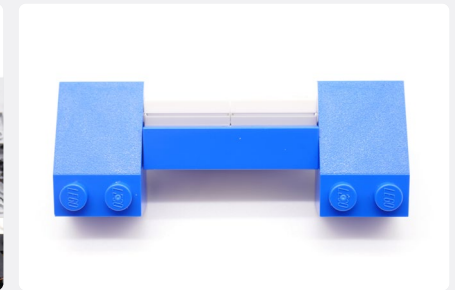
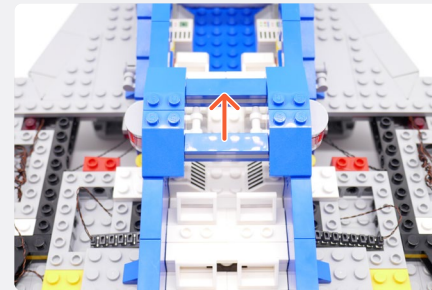
8-Port Expansion Board



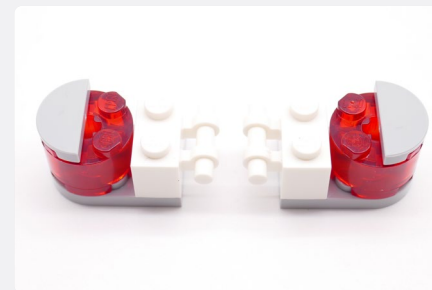
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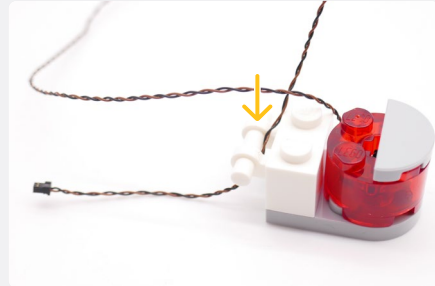


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39



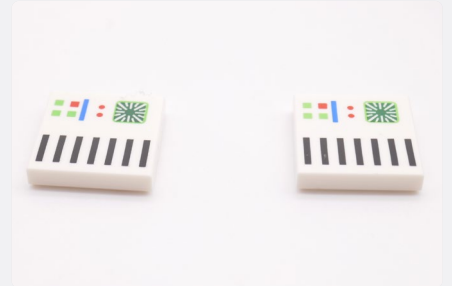
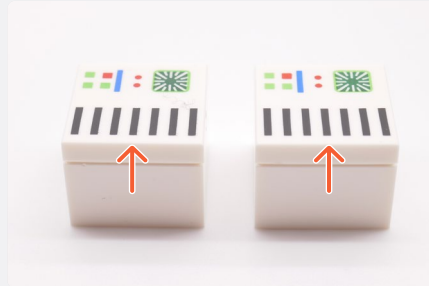
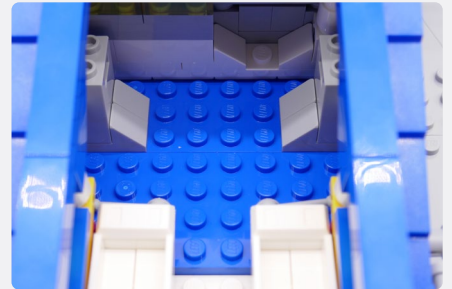
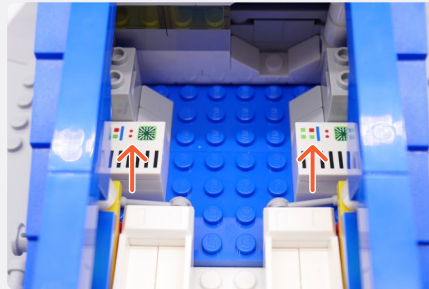
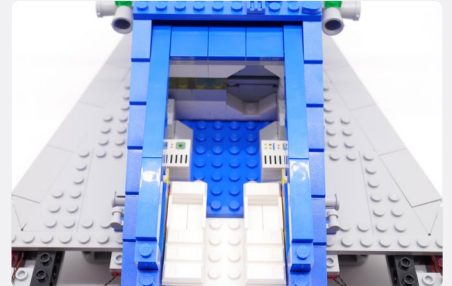
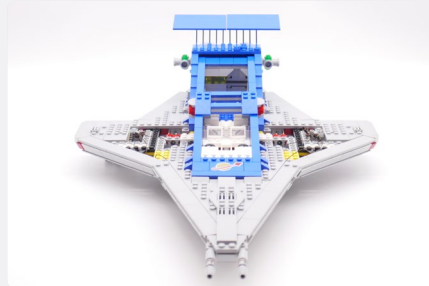
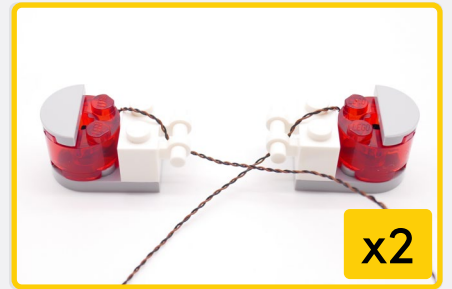


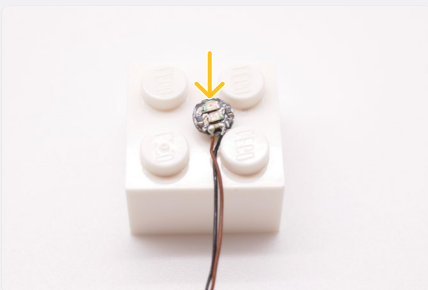
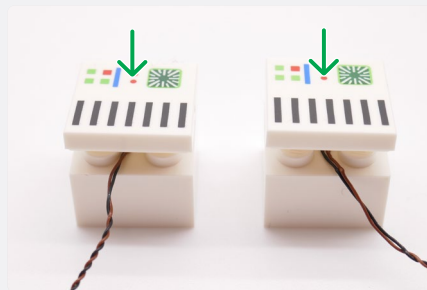
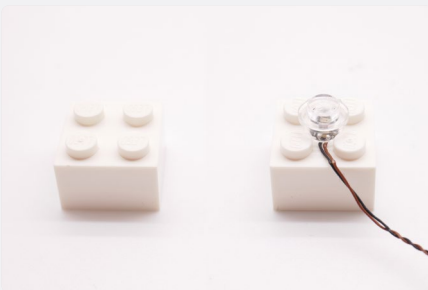
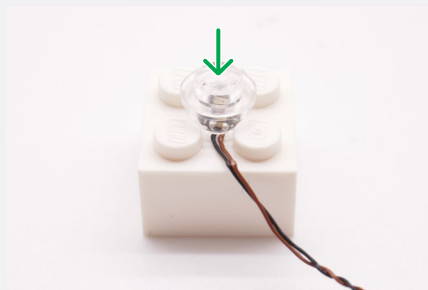
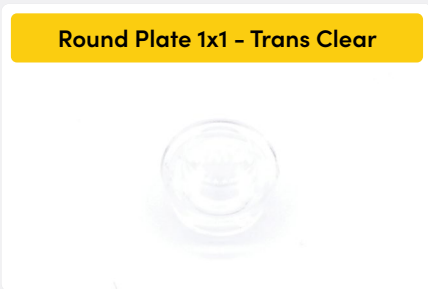
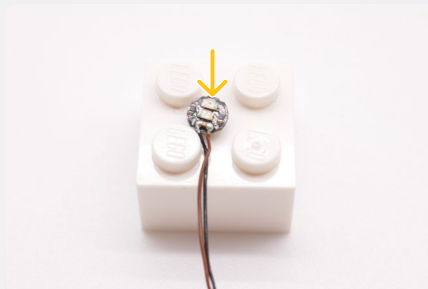
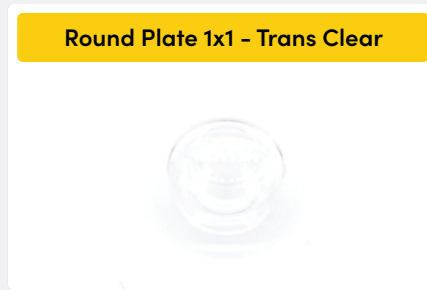
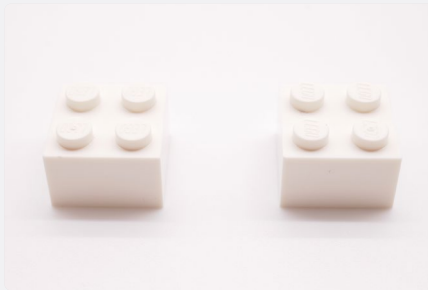
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 **NOTE**

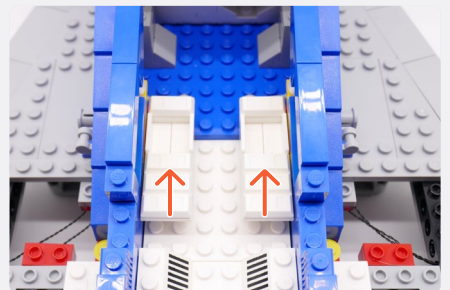
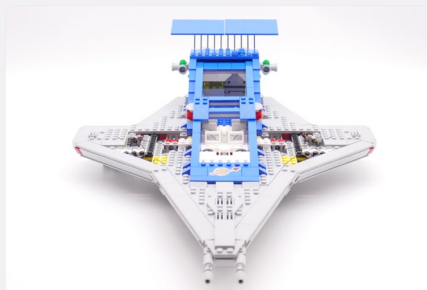
Repeat step 39 twice.

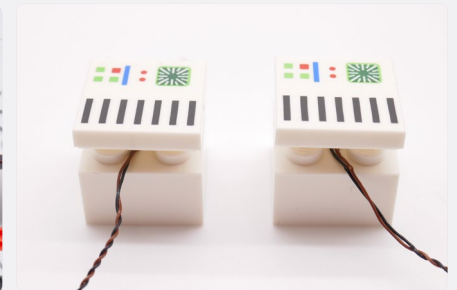
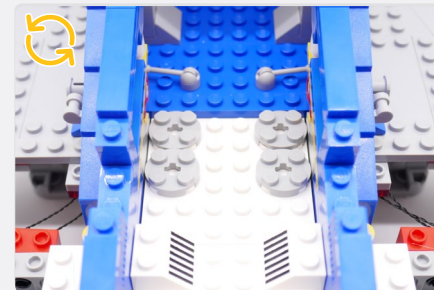
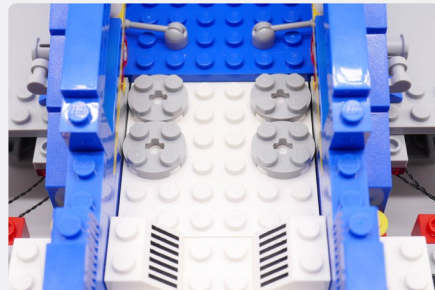
Keep these aside to connect later in the instructions.





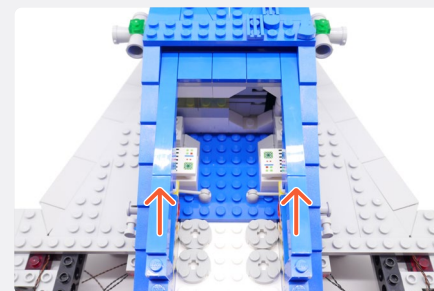
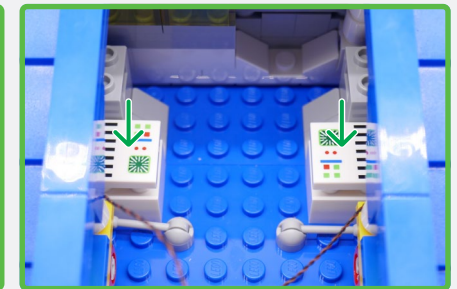
41



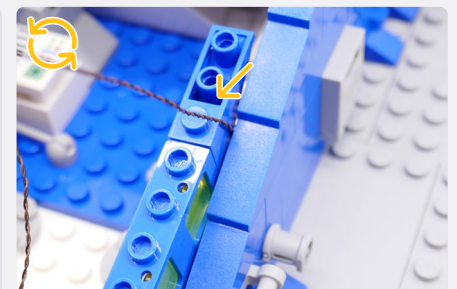
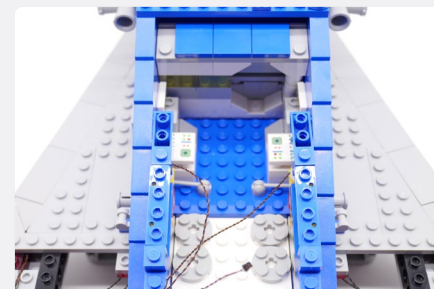


NOTE


When reconnecting the two Brick 2x2 - White, ensure the cable is facing the wall.



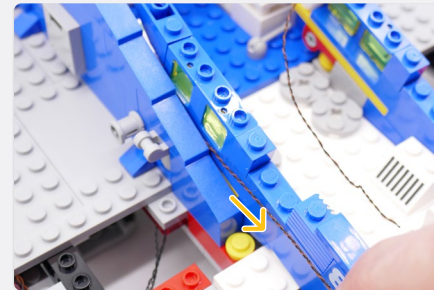
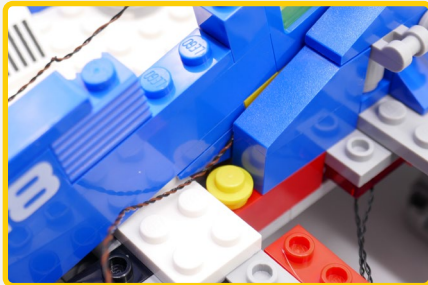
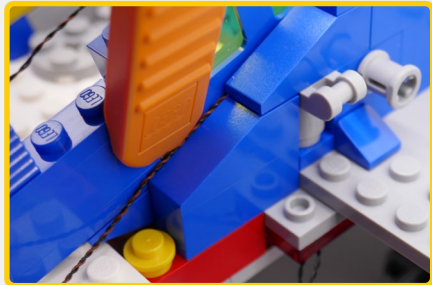
42






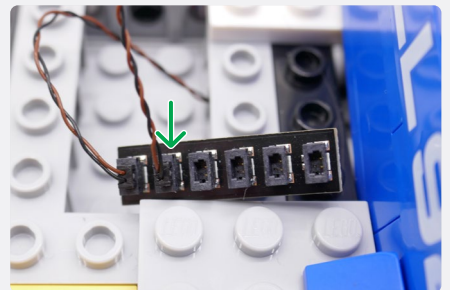
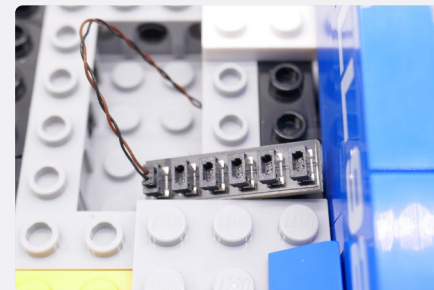
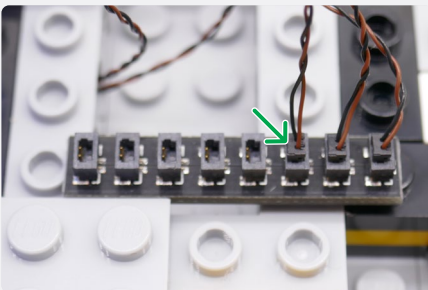
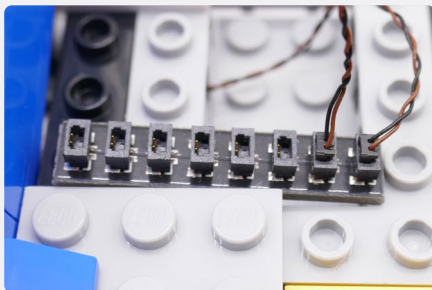
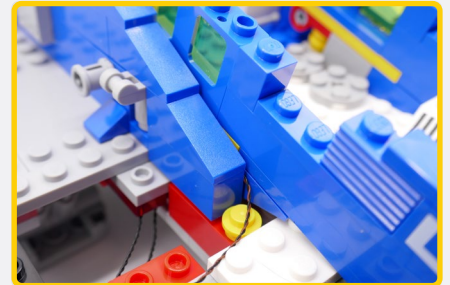
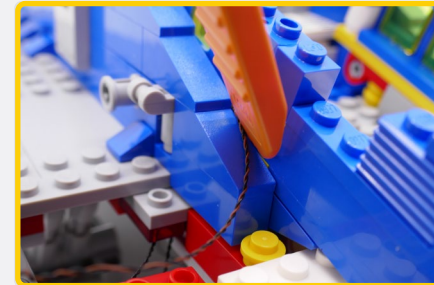
 **NOTE**

Use LEGO Pry Tool to press the cable down behind the Blue Slope piece.

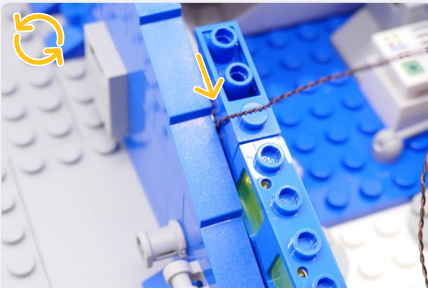
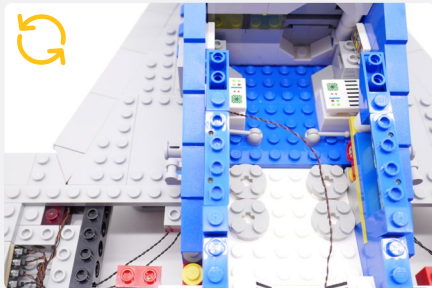


 **NOTE**

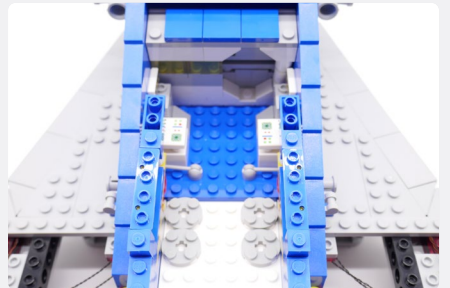
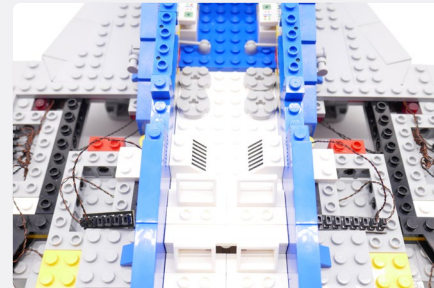
Use LEGO Pry Tool to press the cable down behind the Blue Slope piece.

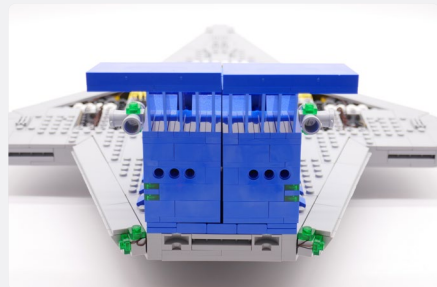
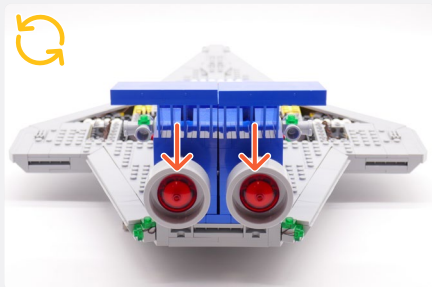
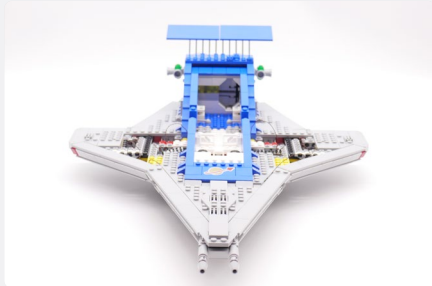
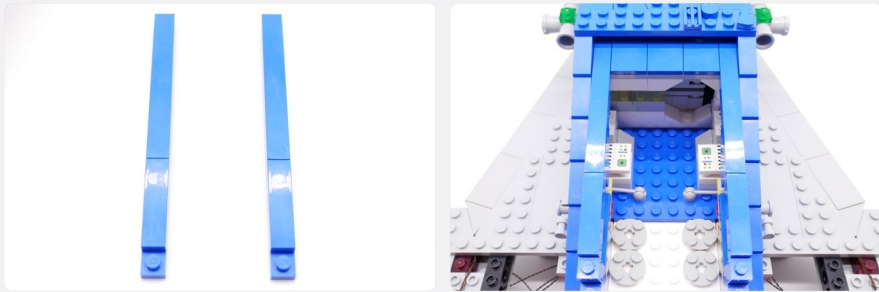


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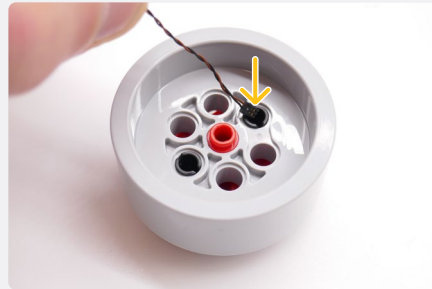
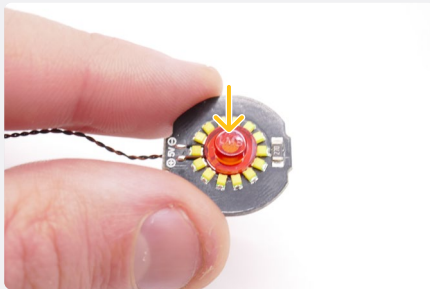


Round Plate 1x1 - Trans Red

Light Ring 3x3 - Warm White



45

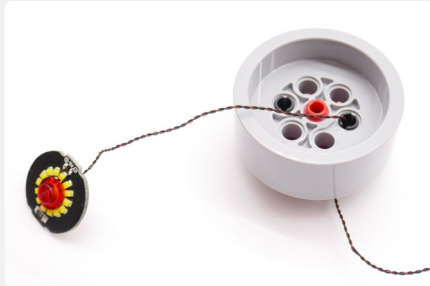


46

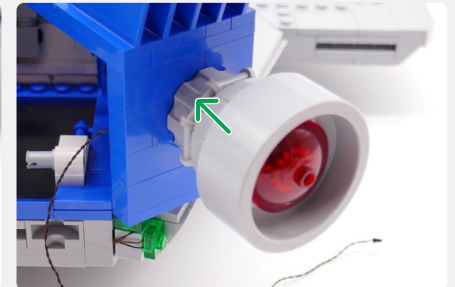
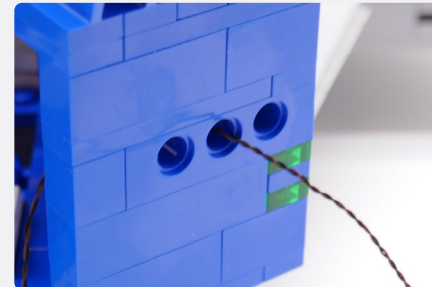
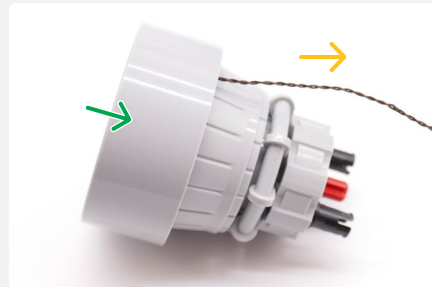
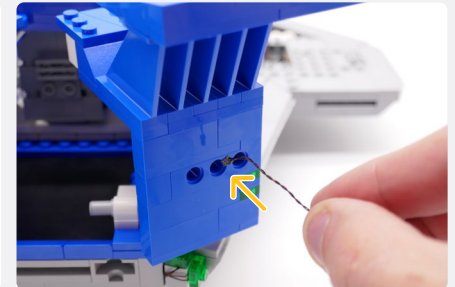
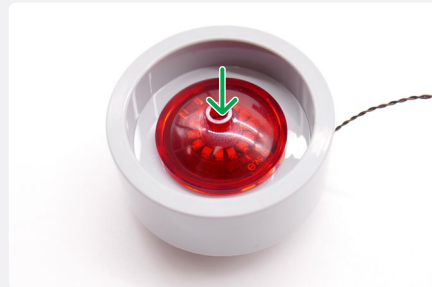
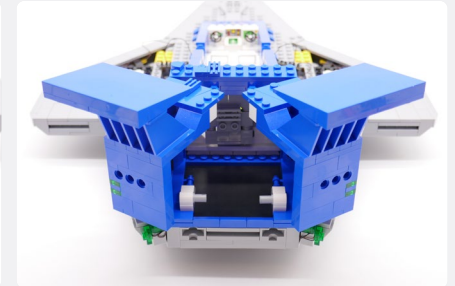
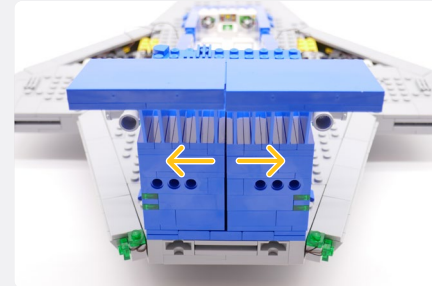


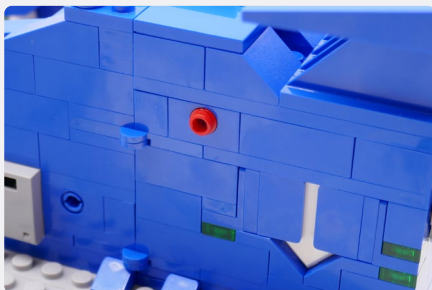
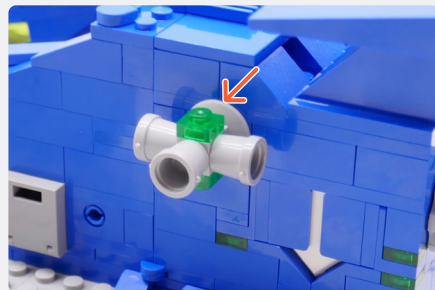
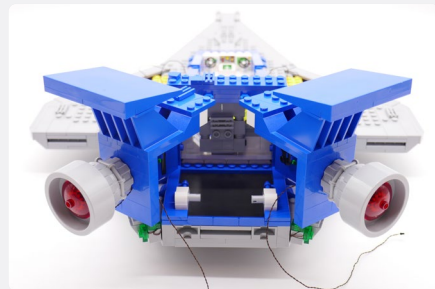
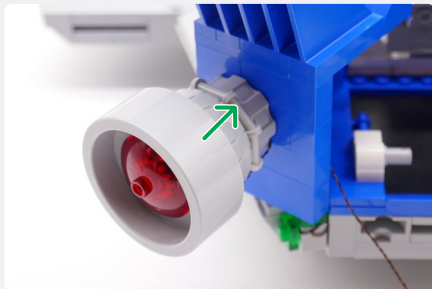
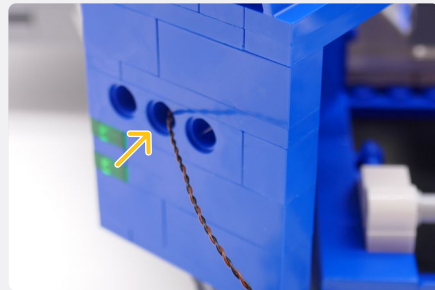
NOTE

Repeat Step 47 for the other booster.



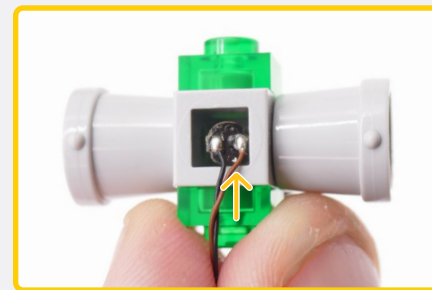
47





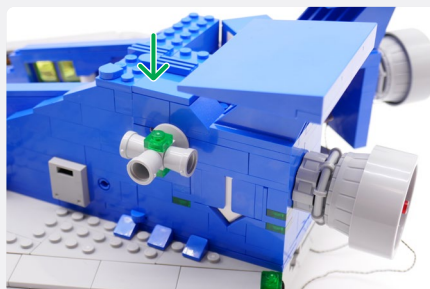
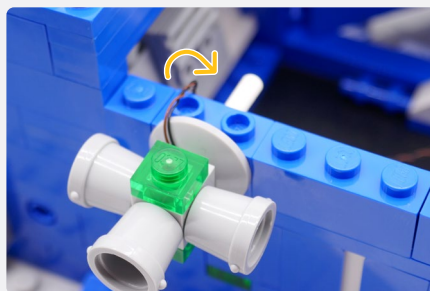
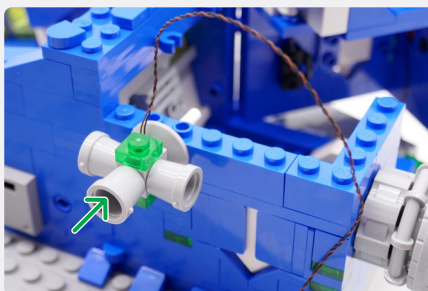
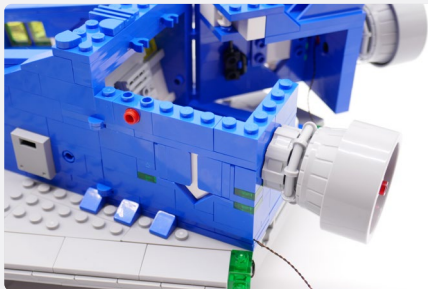
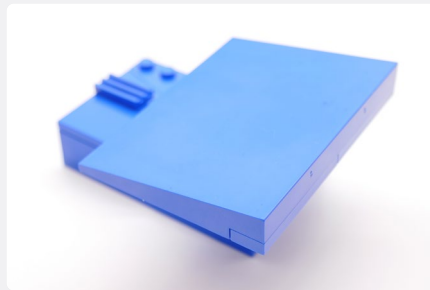
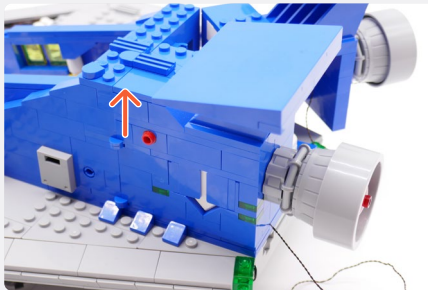
Green 30cm Bit Light

NOTE
Make sure Bit Light LED is facing down into the opening of LEGO piece.

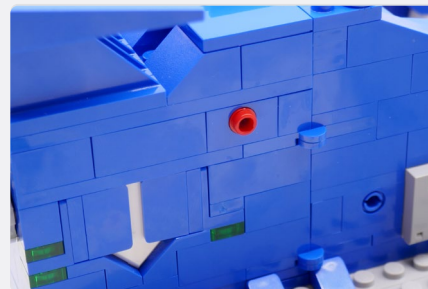
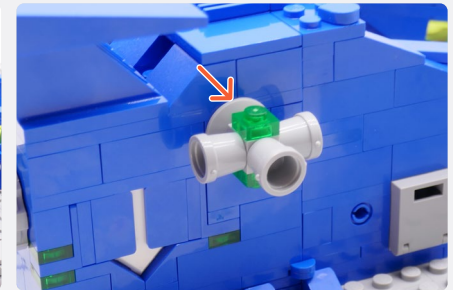


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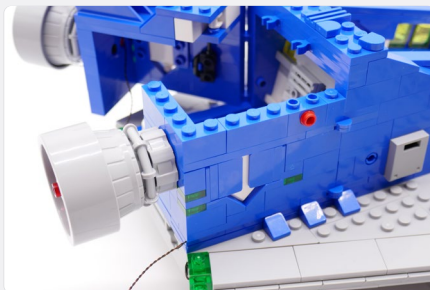
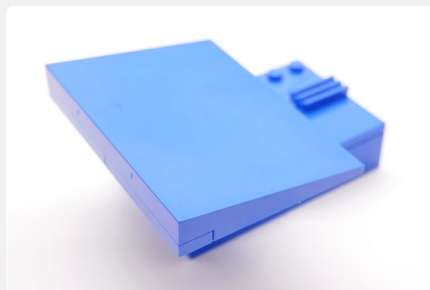
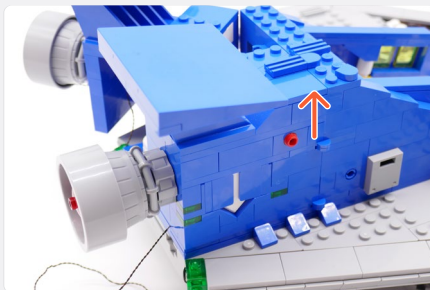
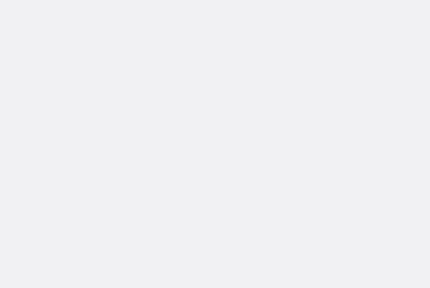
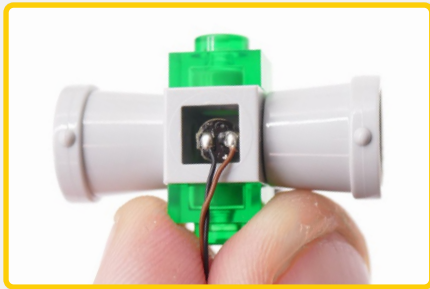


Green 30cm Bit Light

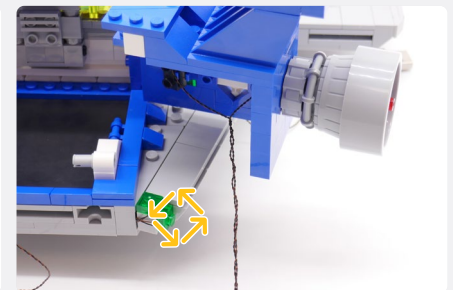
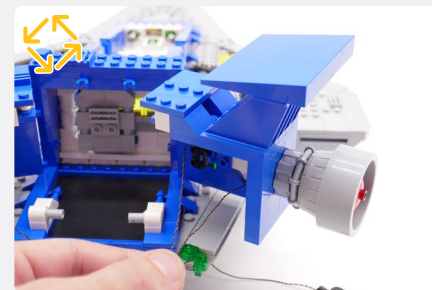
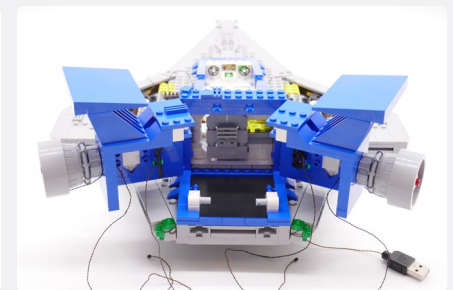
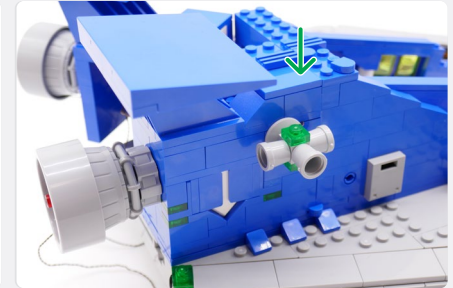
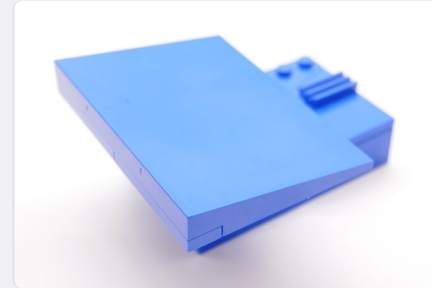
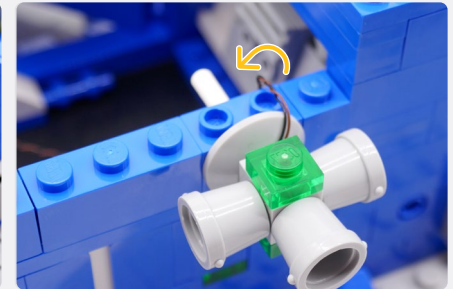
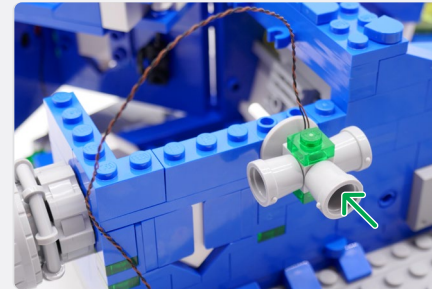


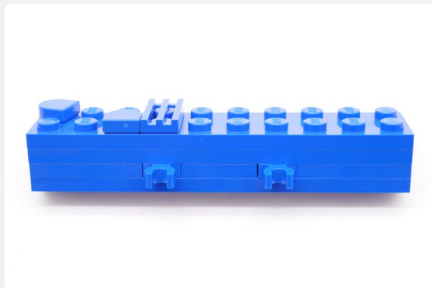
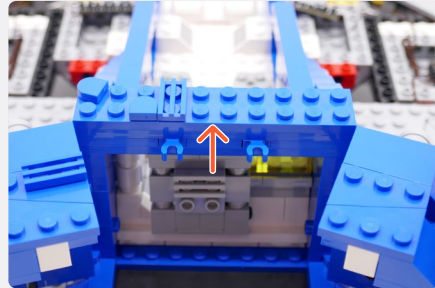
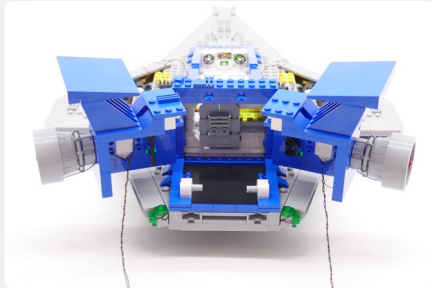
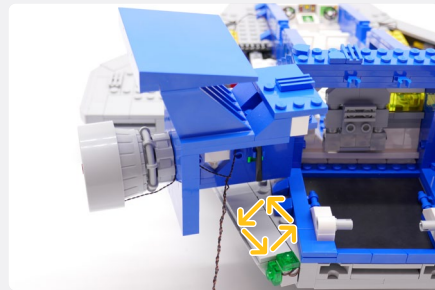
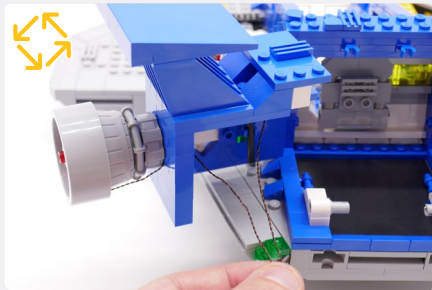
NOTE


Make sure Bit Light LED is facing down into the opening of LEGO piece.



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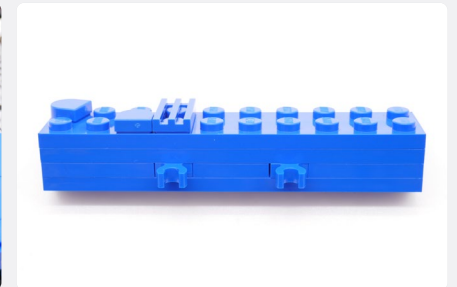
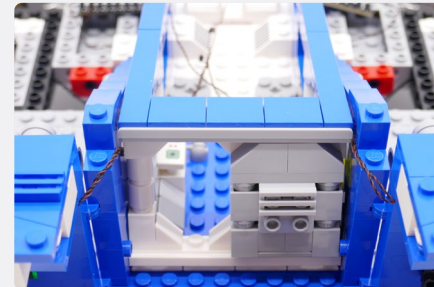
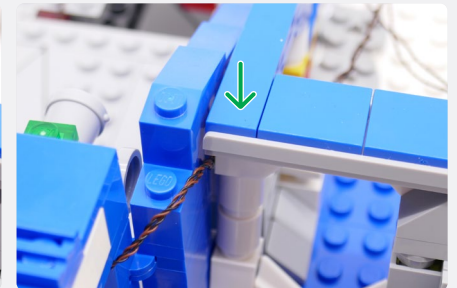
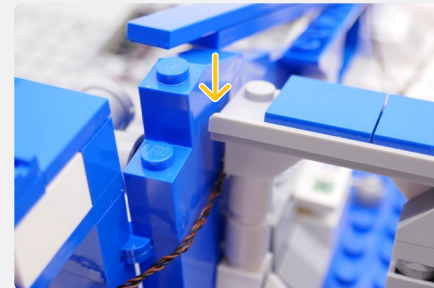
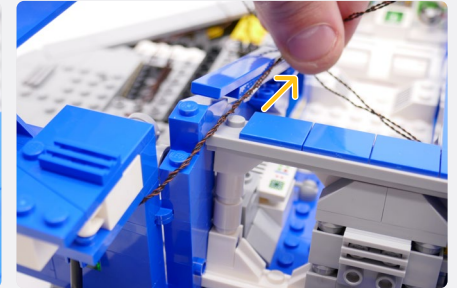
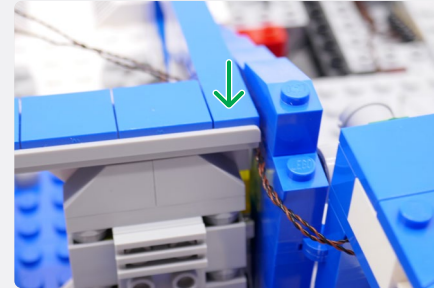
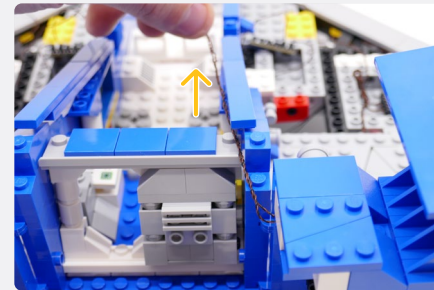
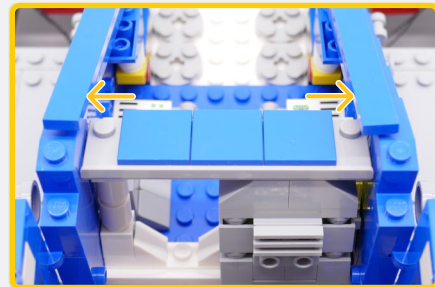
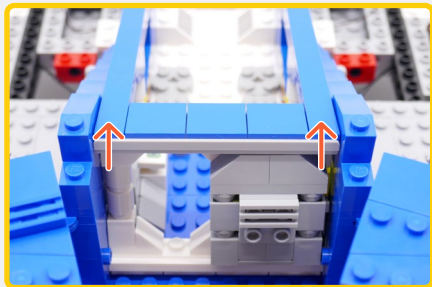


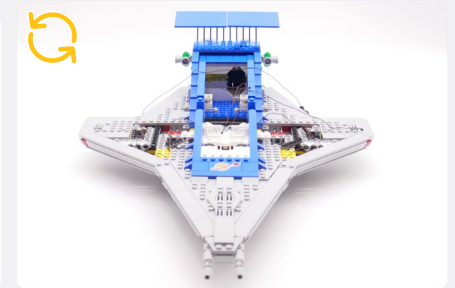
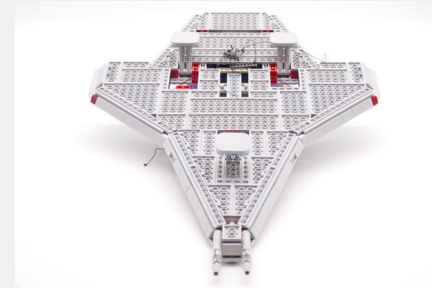
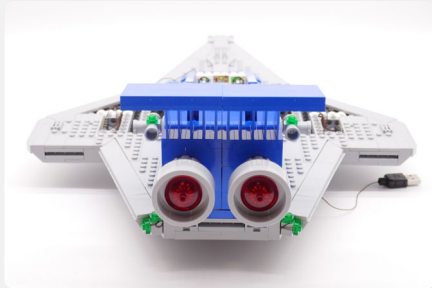
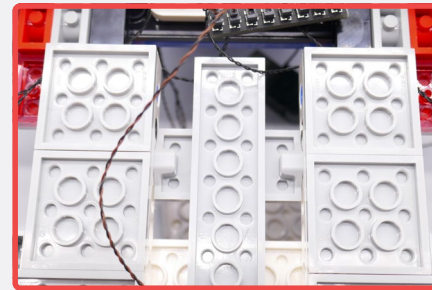
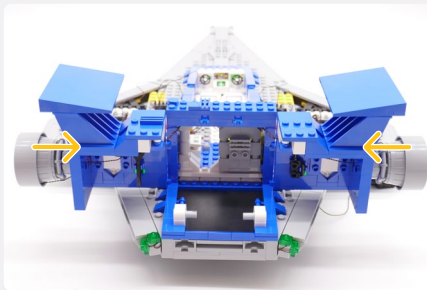
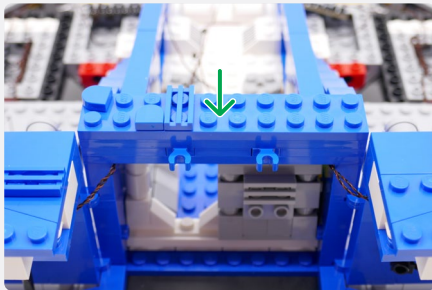


 **NOTE**

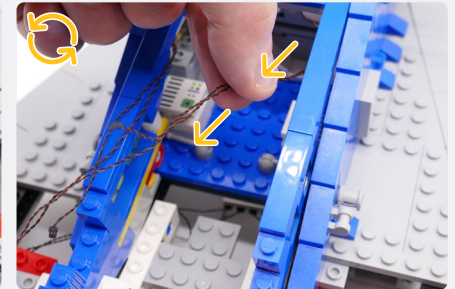
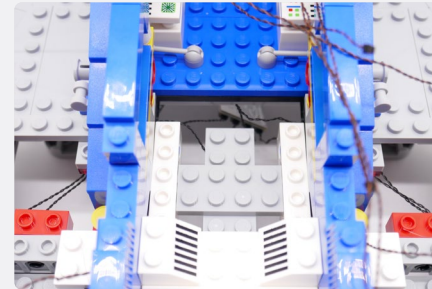
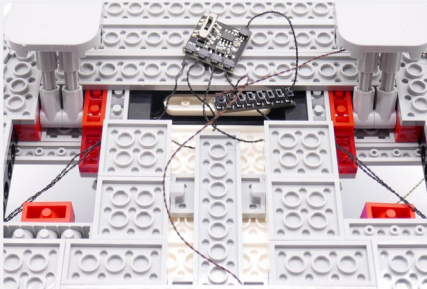
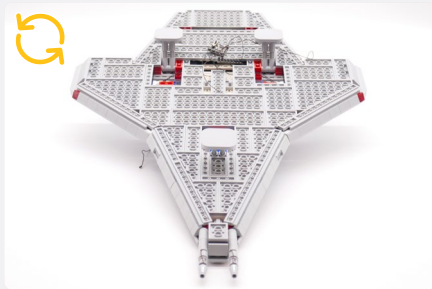
Lift the Tiles, but ensure to not completely disconnect them.

Move to the side, as shown in the second image.



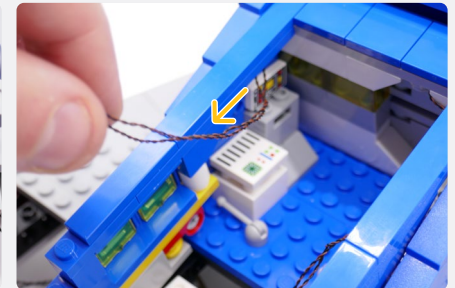
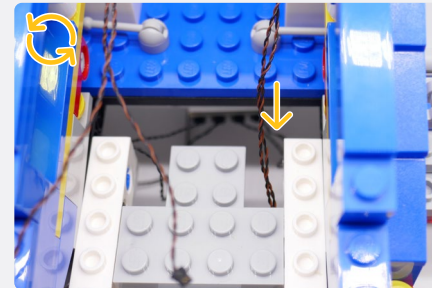
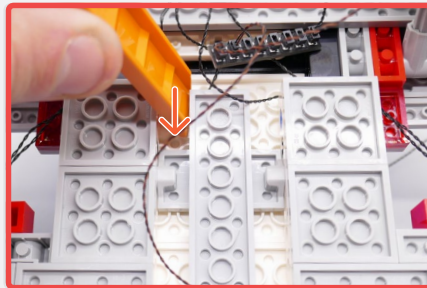


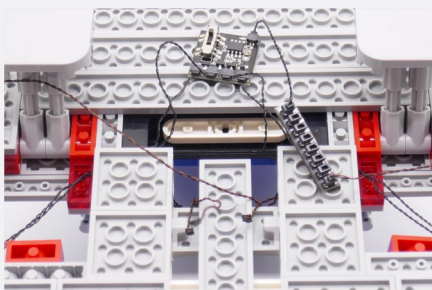
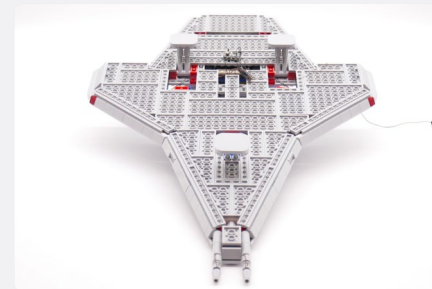
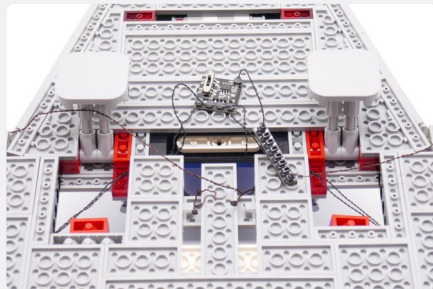
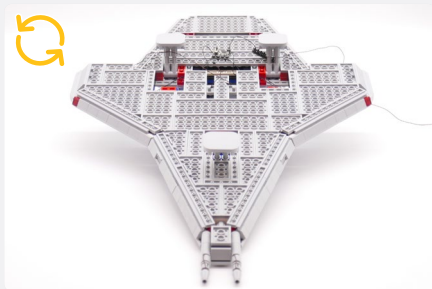
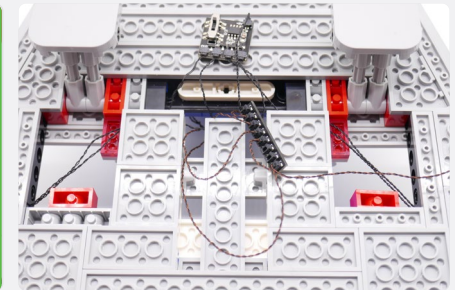
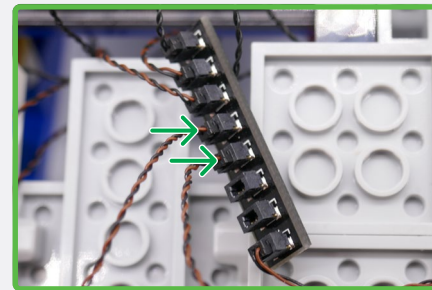
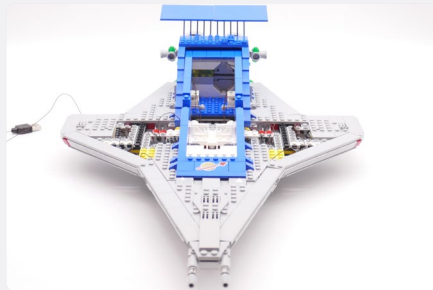
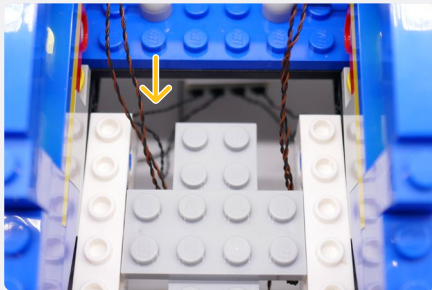
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NOTE

Press down on the White Plate using a LEGO Pry Tool to disconnect the plate.

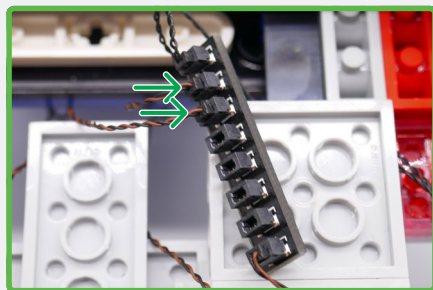
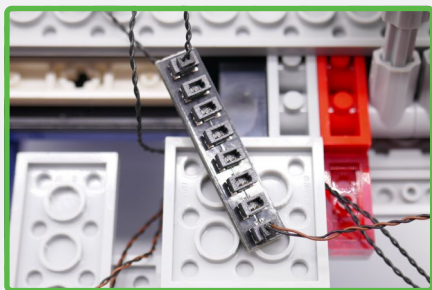
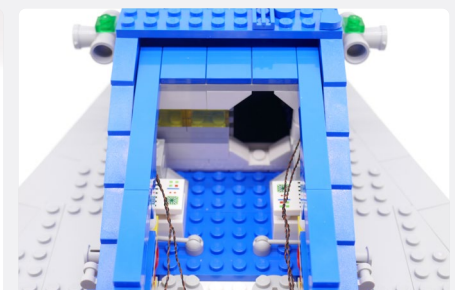
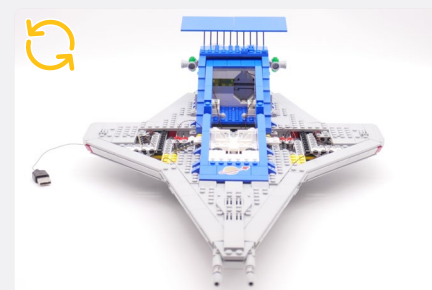




NOTE

Connect the four cables from the rear of the ship to the 8-Port Expansion Board. Start with the 2 shorter Cables followed by the Longer 2.

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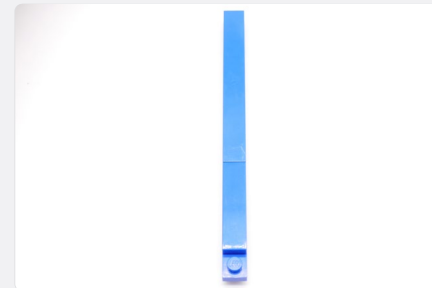
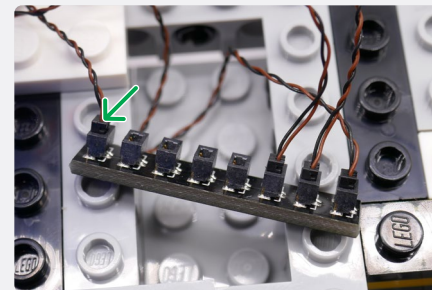
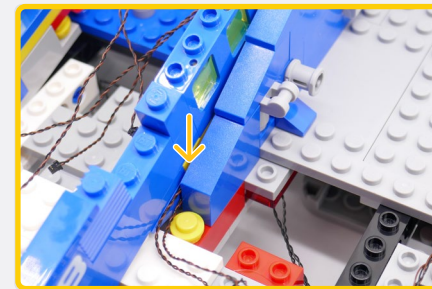
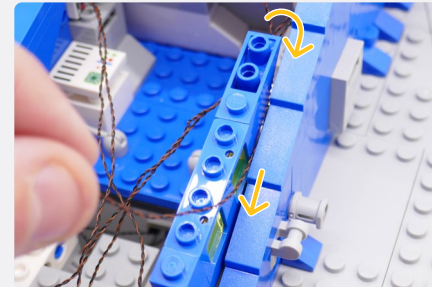
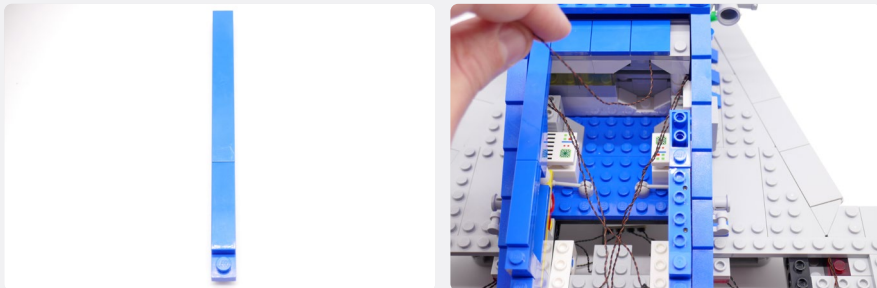
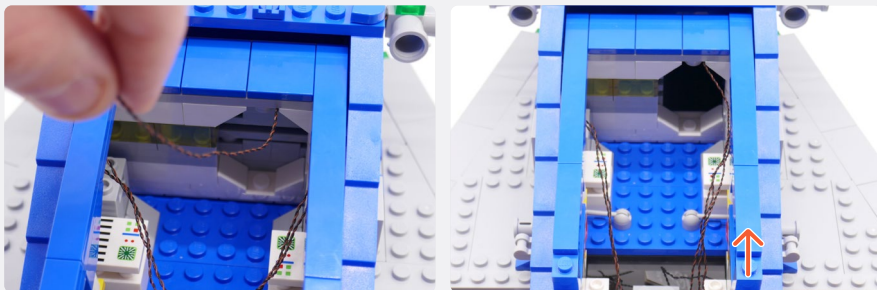
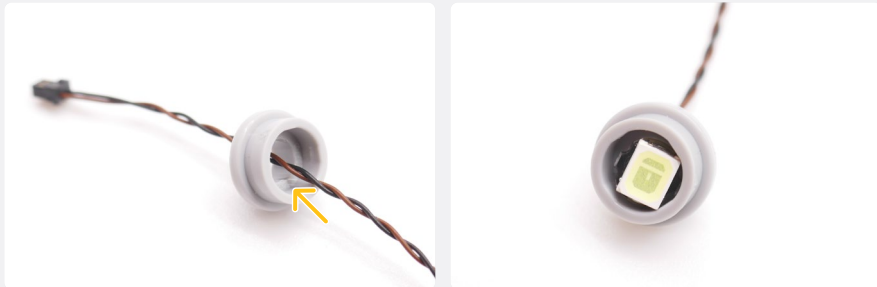


Cool White 15cm Large Bit Light



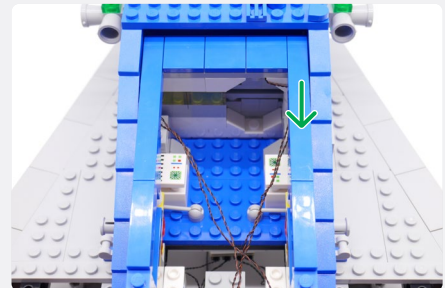
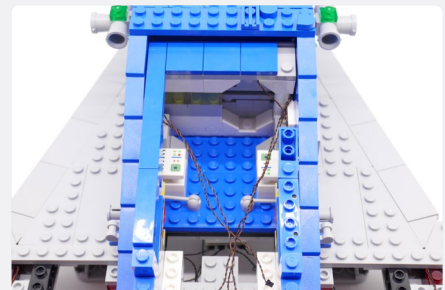
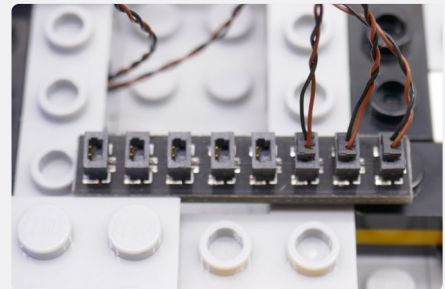
Round Plate 1x1 Open Stud - Light Grey



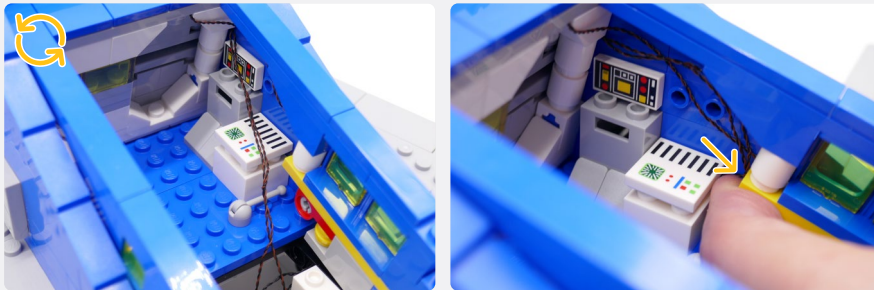


NOTE

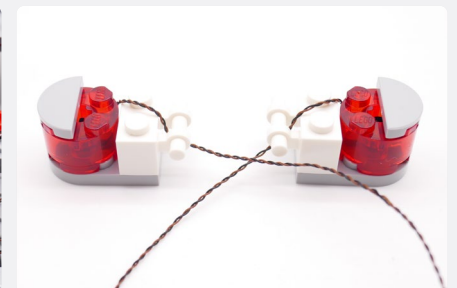
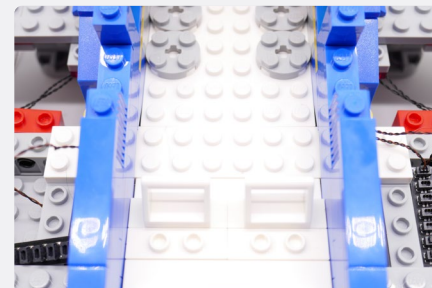
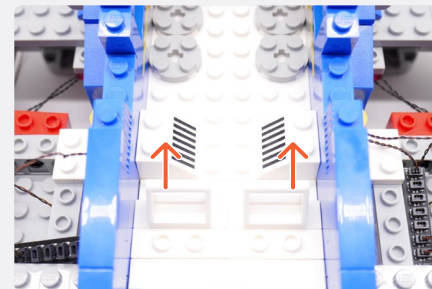
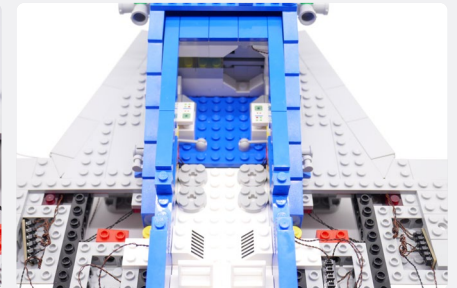
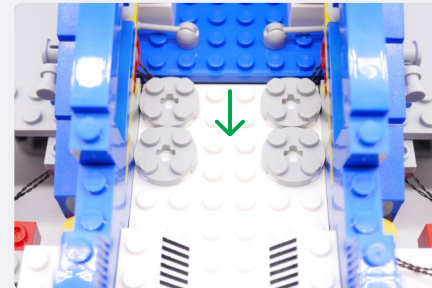
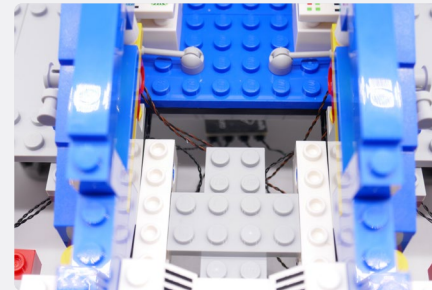
Make sure to press cable so it is tucked behind the Blue Lego Slopes.

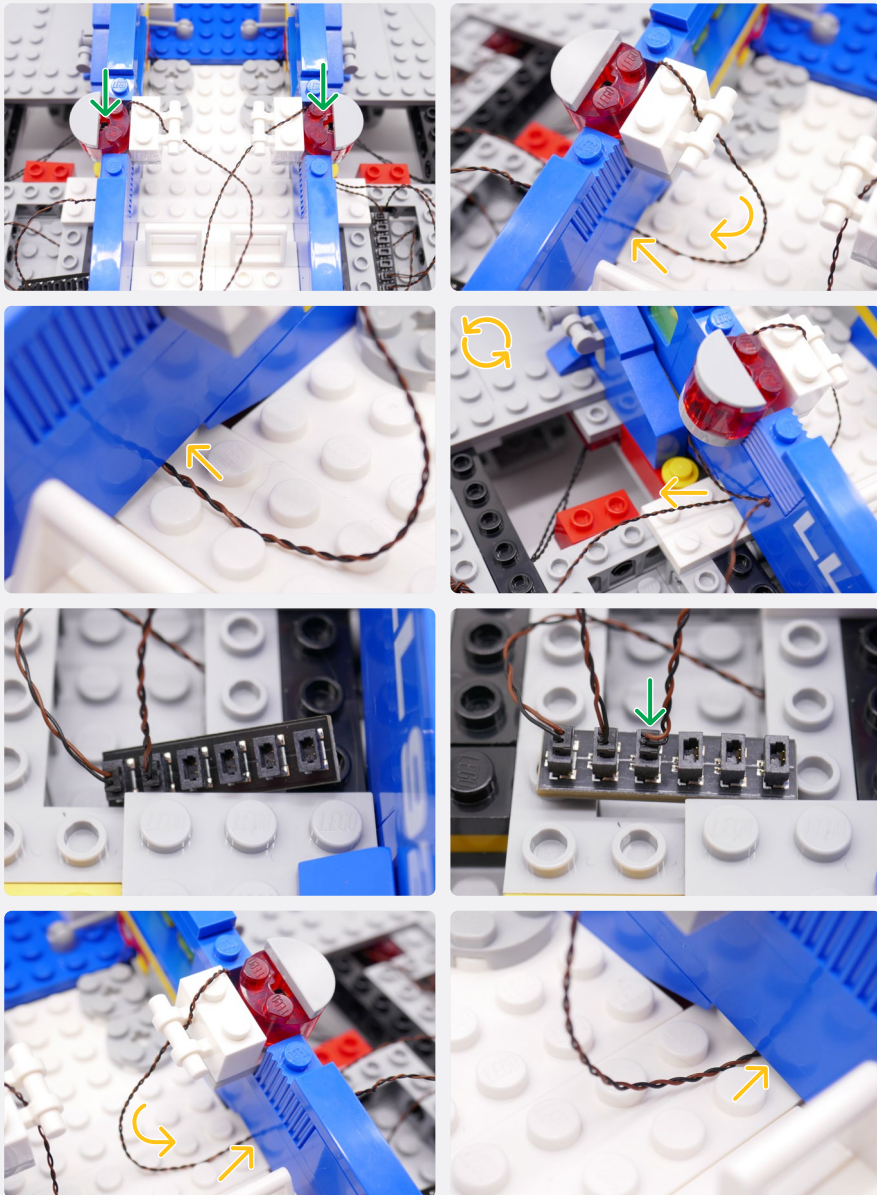


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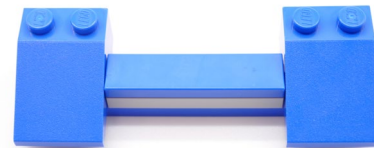
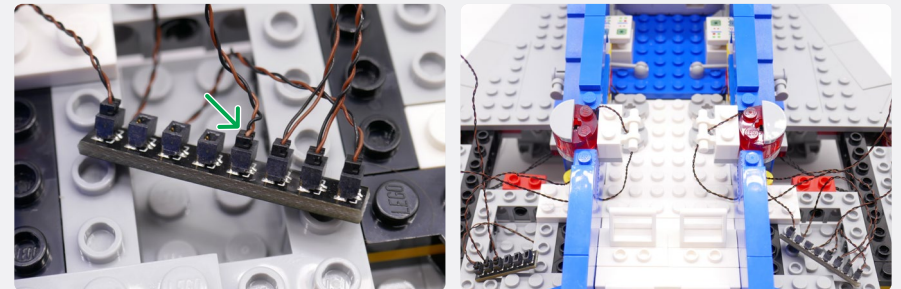
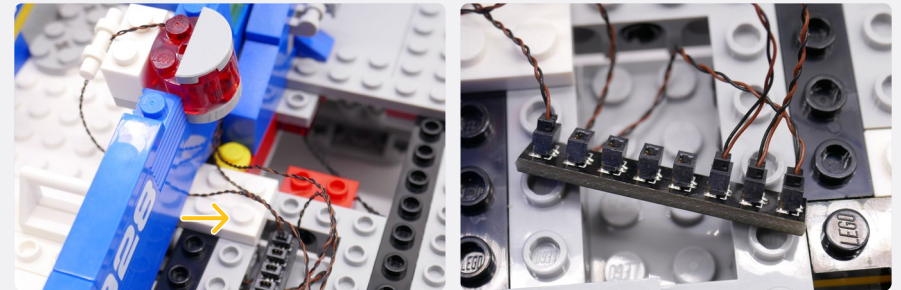


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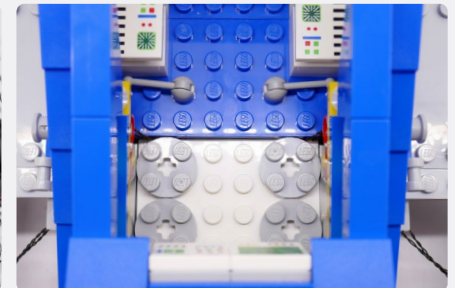
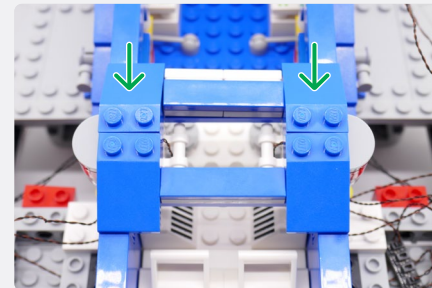
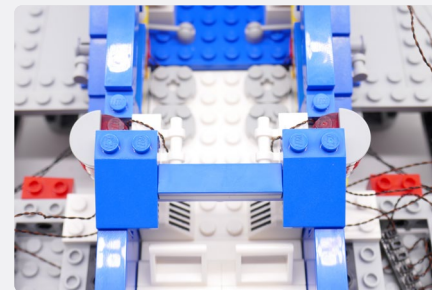
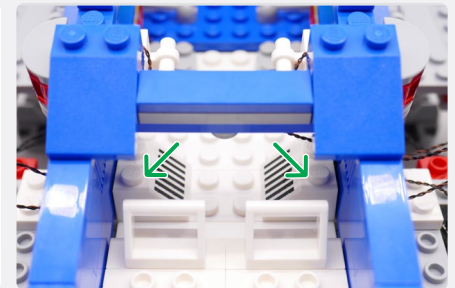
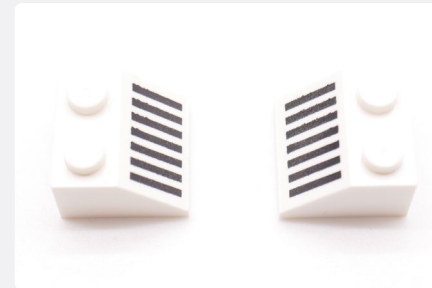
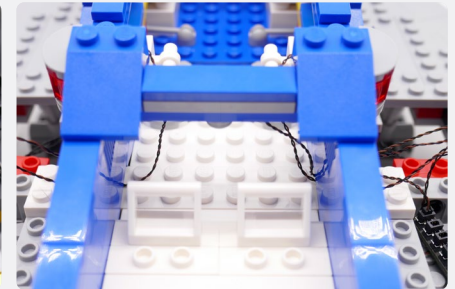
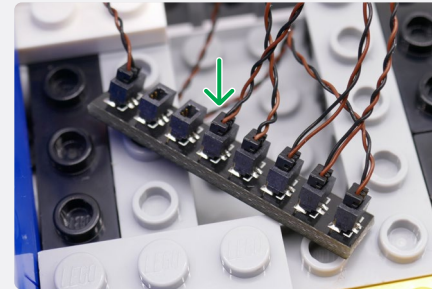
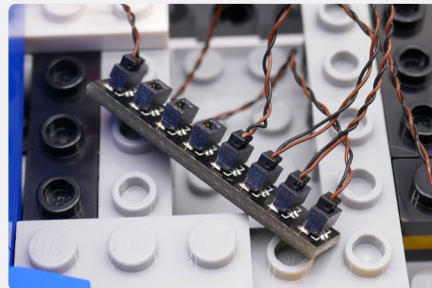
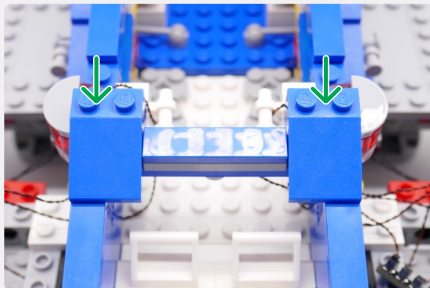
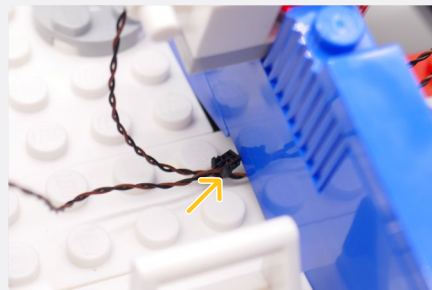
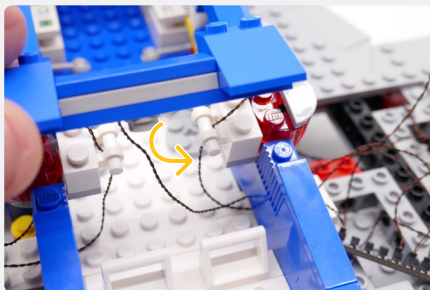
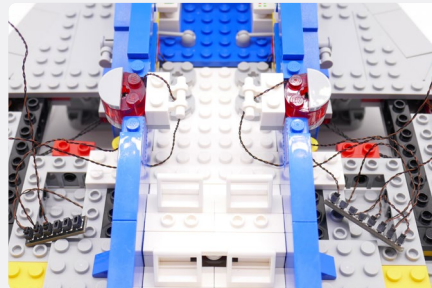
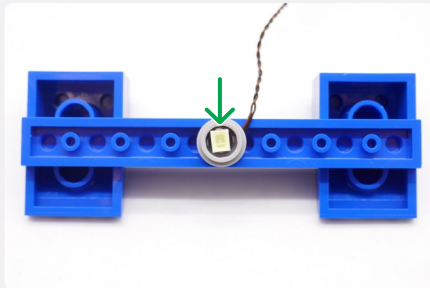
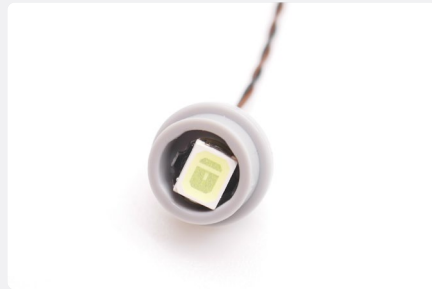
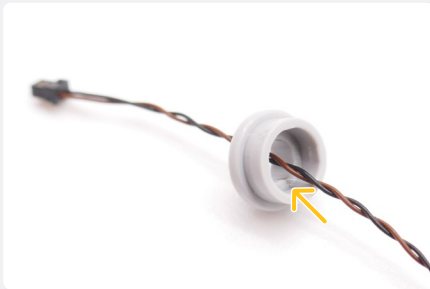
56



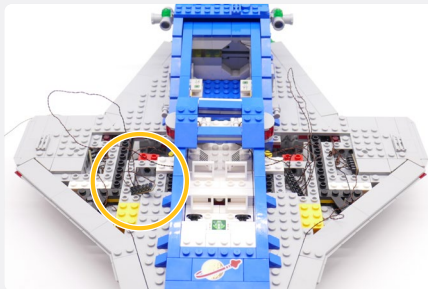
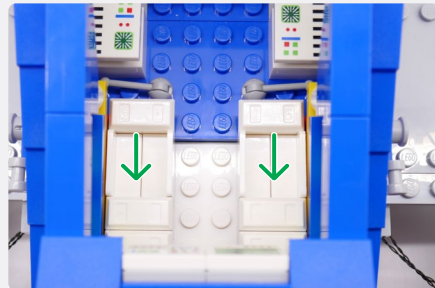
Cool White 15cm Large Bit Light

Round Plate 1x1 Open Stud - Light Grey

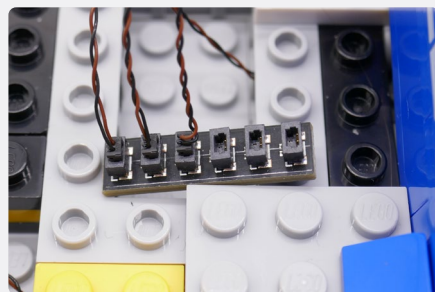




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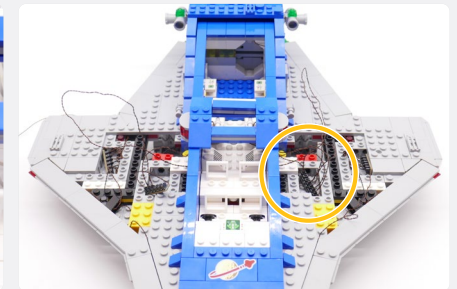
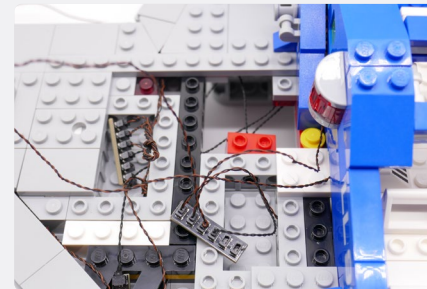
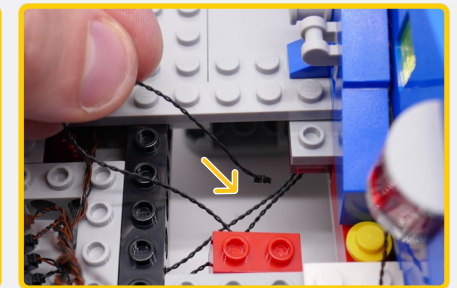
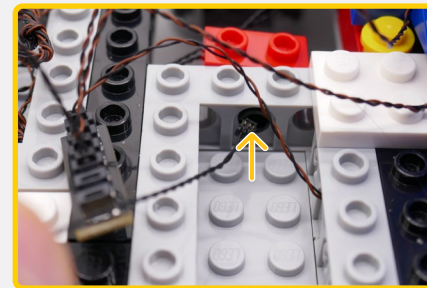
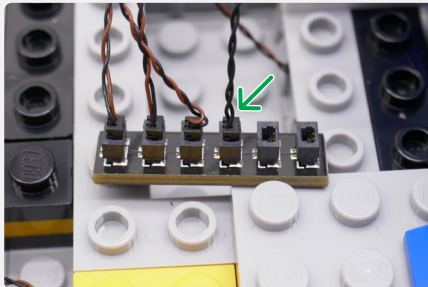


15cm Connecting Cable

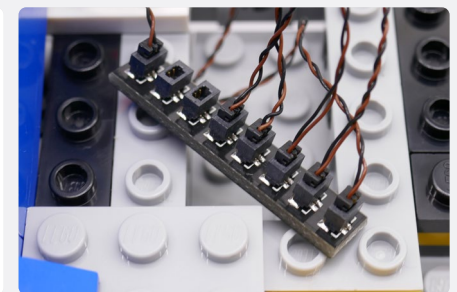


NOTE

Thread the Connecting Cable through the Technic Hole before dropping the cable beneath the ship.



15cm Connecting Cable

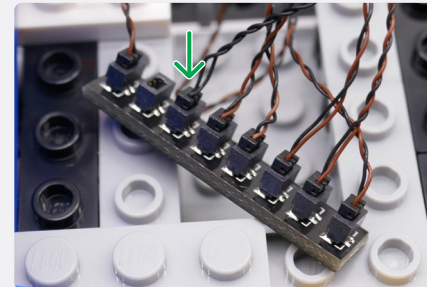


NOTE

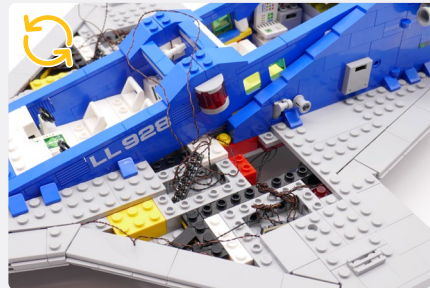
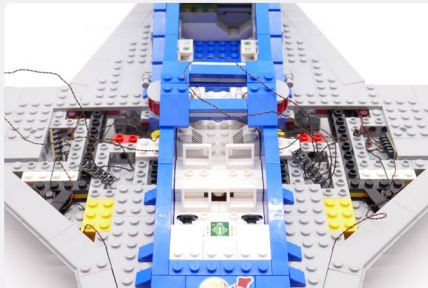
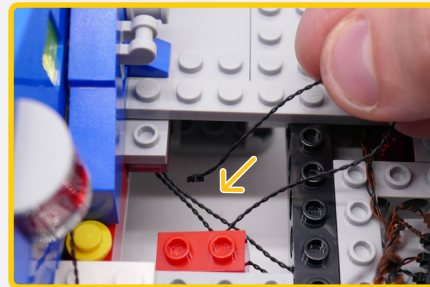
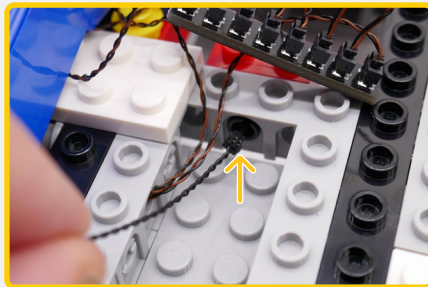
Thread the Connecting Cable through the Technic Hole before dropping the cable beneath the ship.

NOTE

Thread the Connecting Cable through the Technic Hole before dropping the cable beneath the ship.

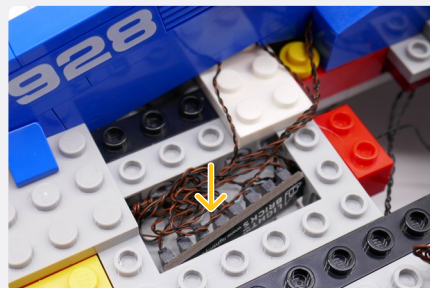
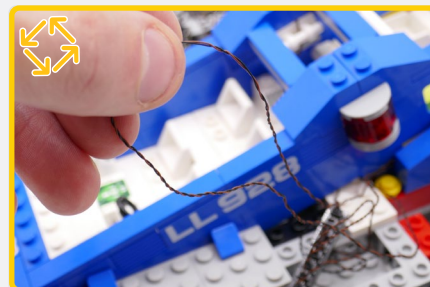


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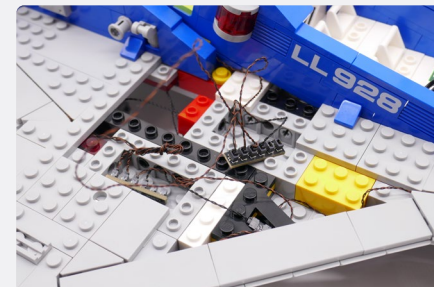
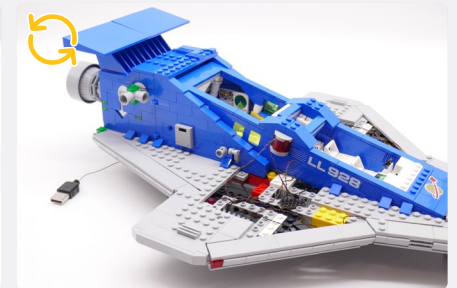


NOTE

Take the longest cable connected to the 8-Port Expansion Board and twist it into a bundle.

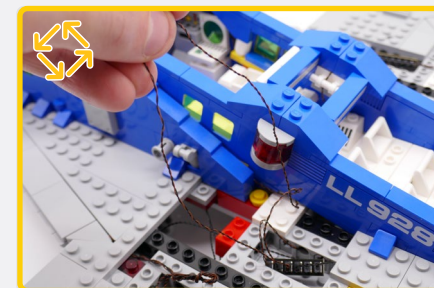


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NOTE

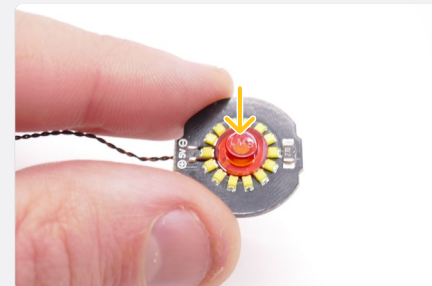
Grab Longest cable that's connected to 8-Port Expansion Board and Twist it into a bundle.



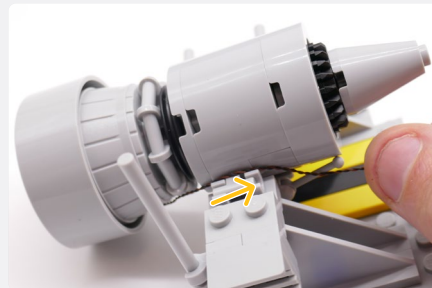
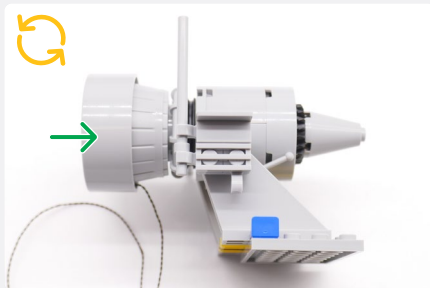
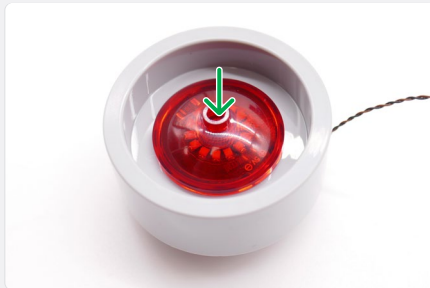


Round Plate 1x1 - Trans Red

Light Ring 3x3 - Warm White

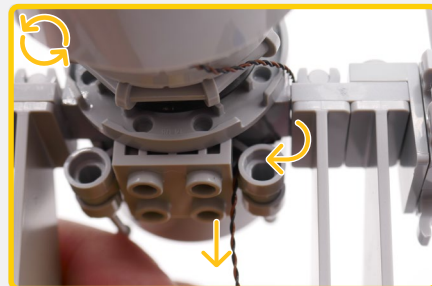


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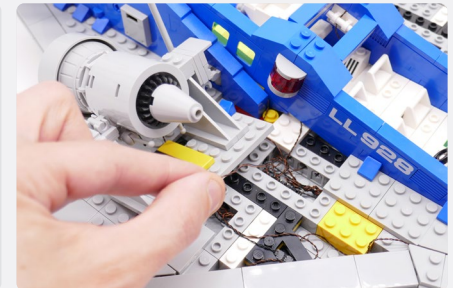
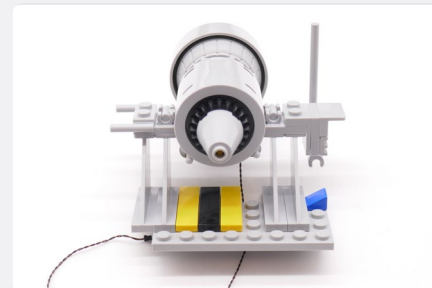
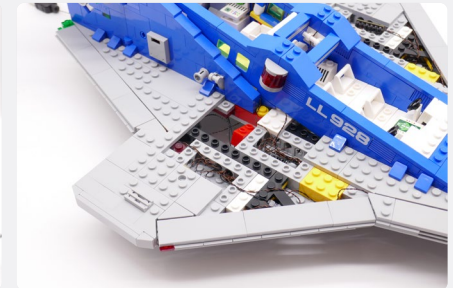
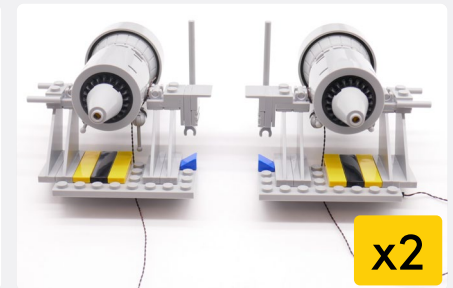
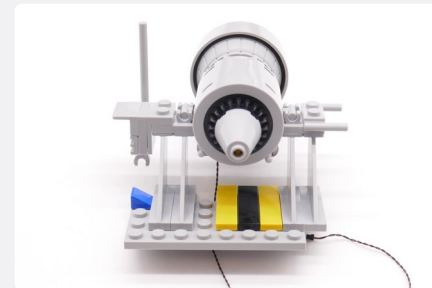


NOTE

Wrap the cable around as shown before tucking behind the Round Plate 1x1 w/ Open Stud - Grey

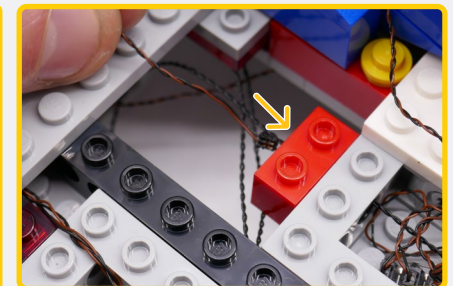


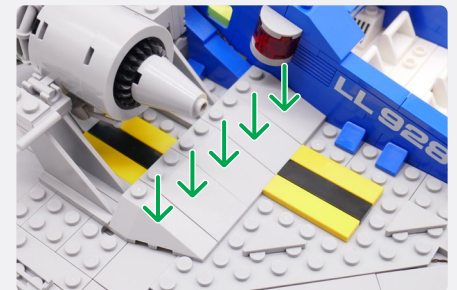
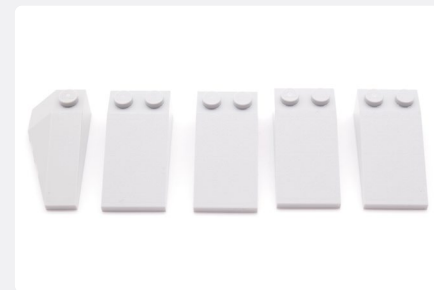
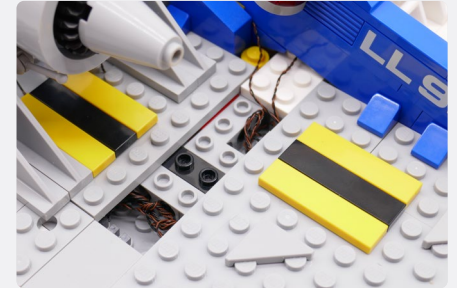
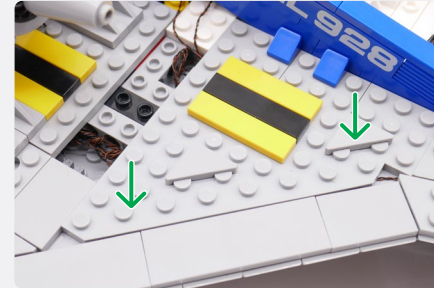
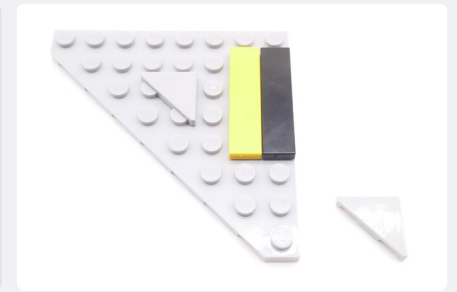
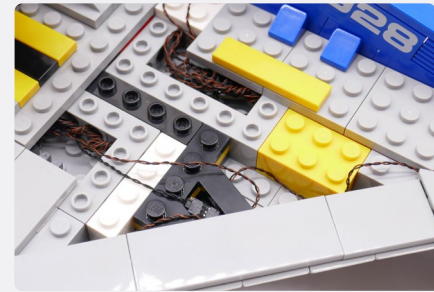
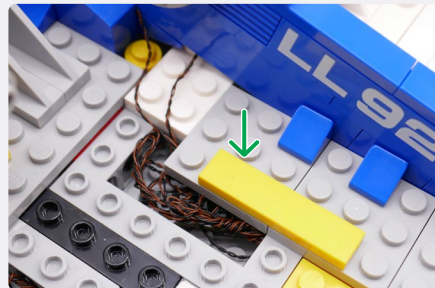
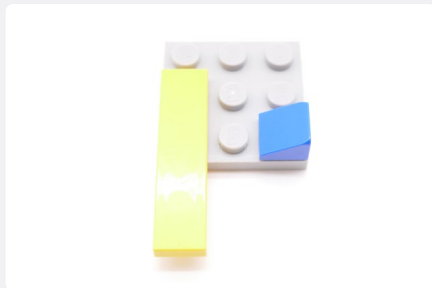
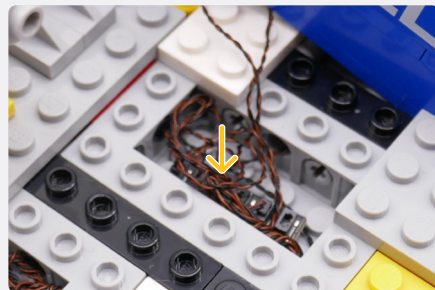
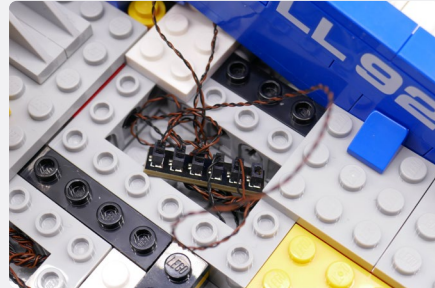
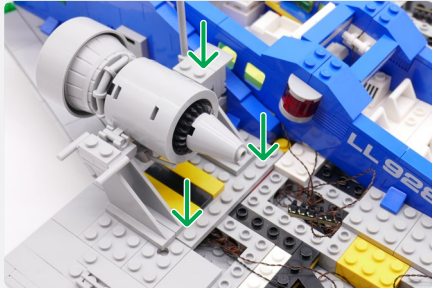
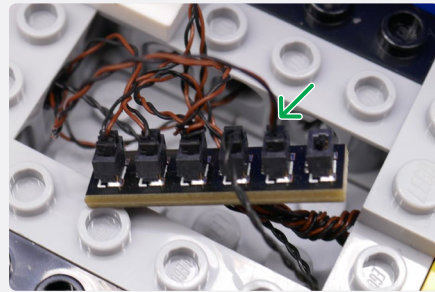
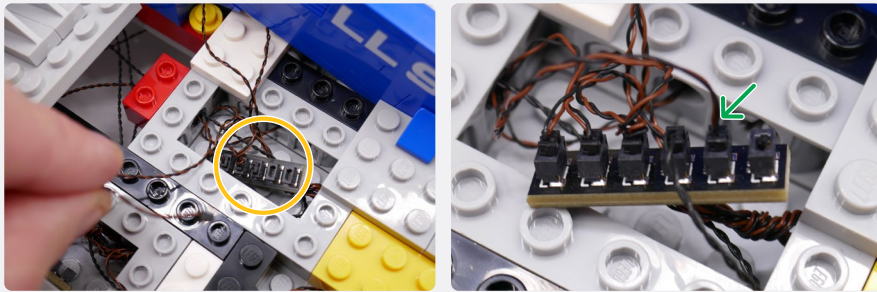
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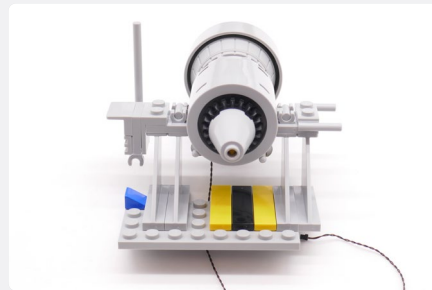
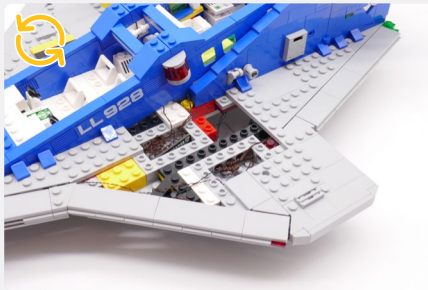
NOTE

Thread the cable from the Booster Engine through the Technic Hole.



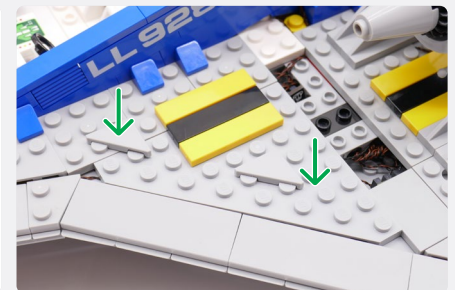
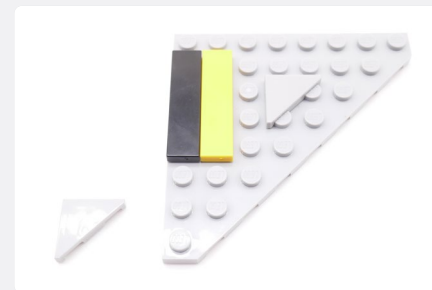
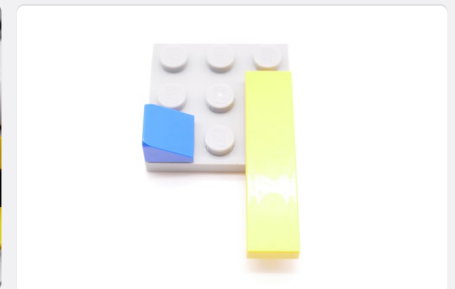
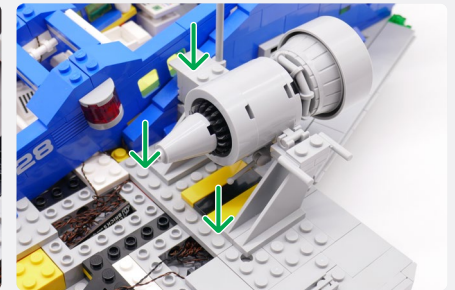
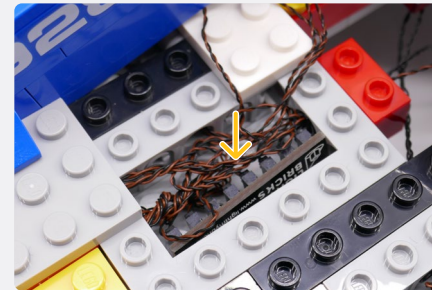
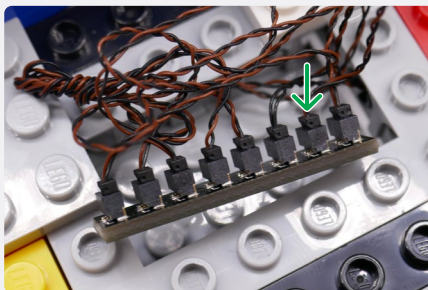
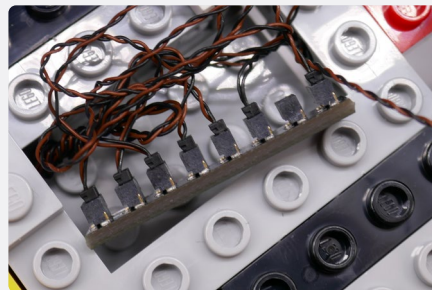
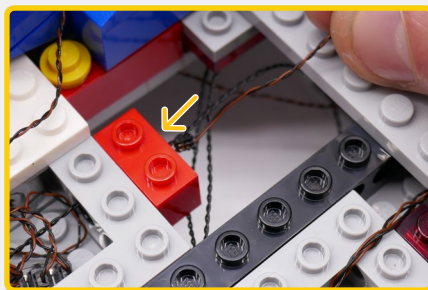


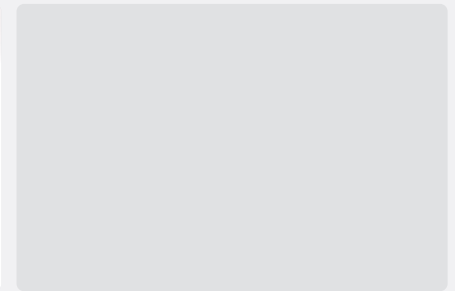
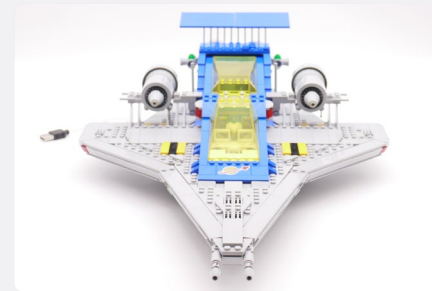
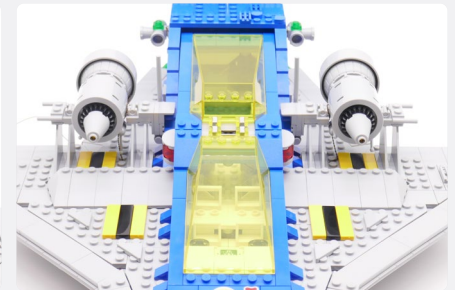
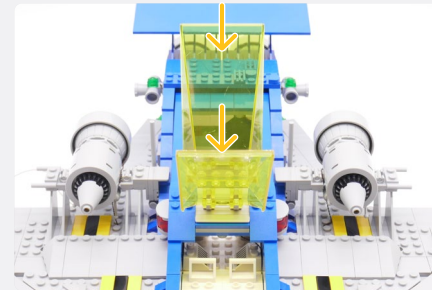
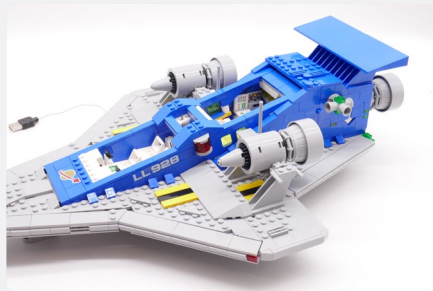
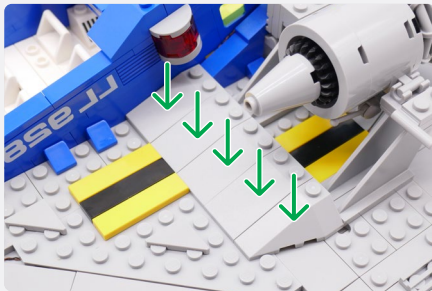
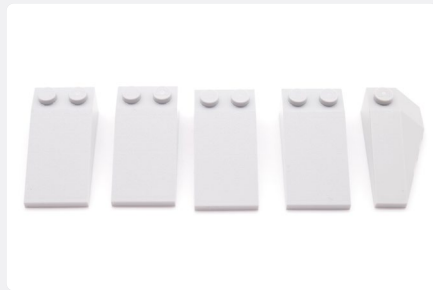
62



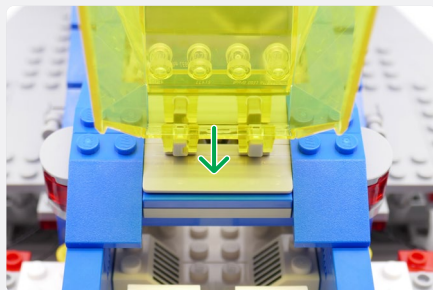
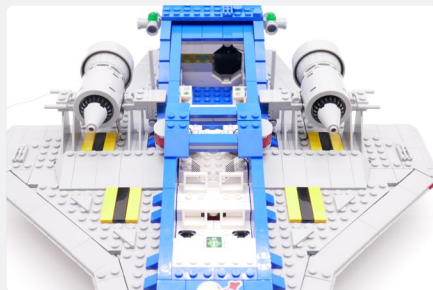
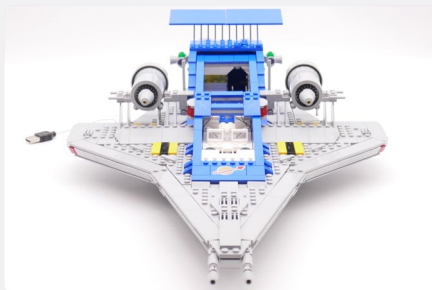
NOTE

Thread the cable from the Booster Engine through the Technic Hole.

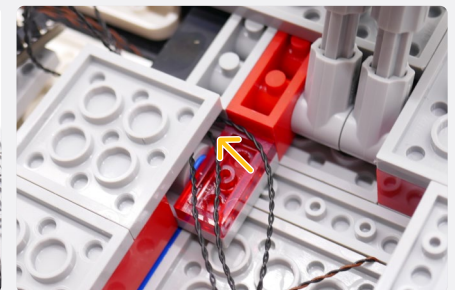
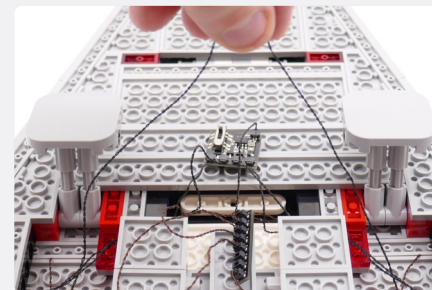
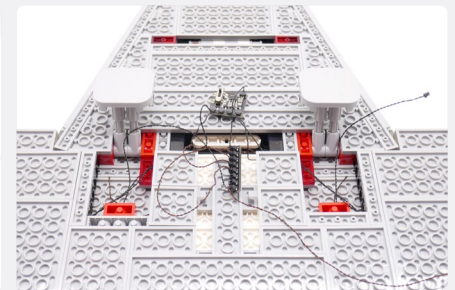


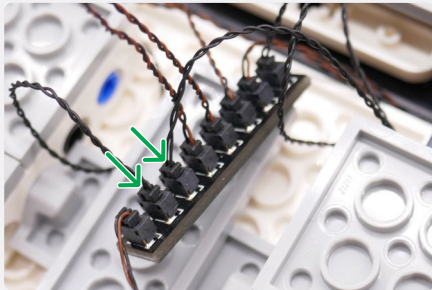
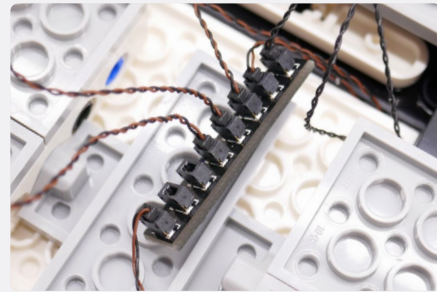
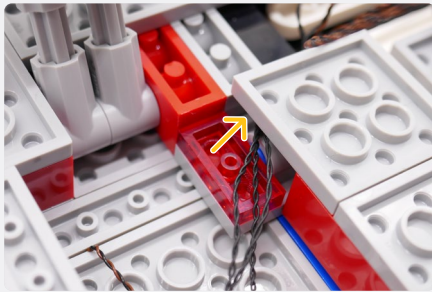



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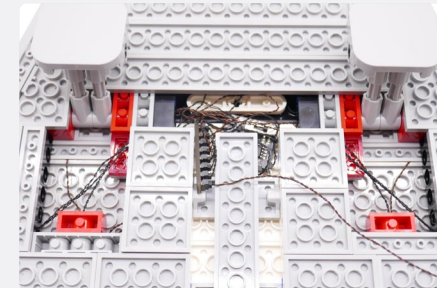
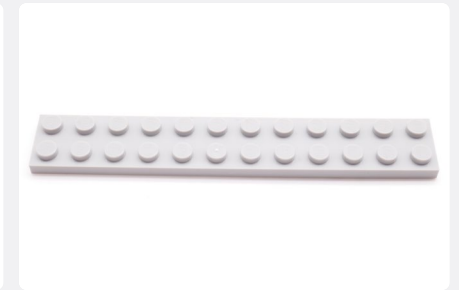
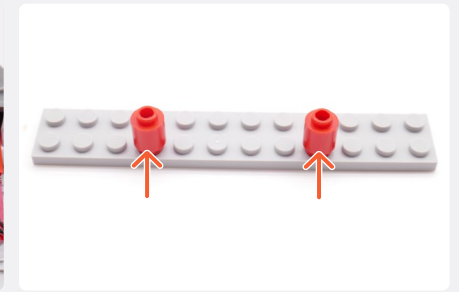
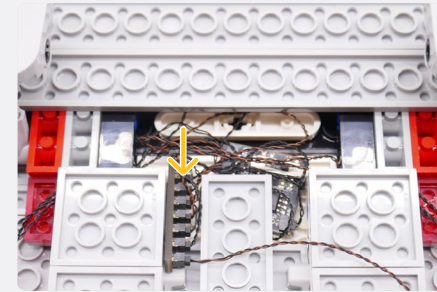
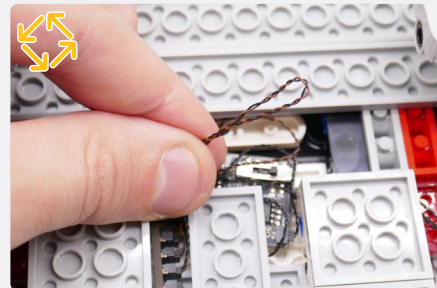
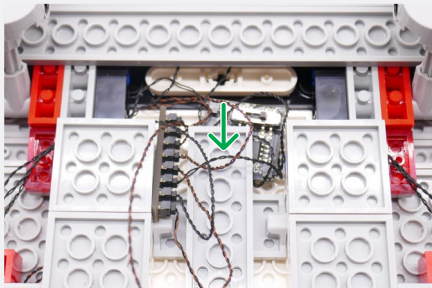
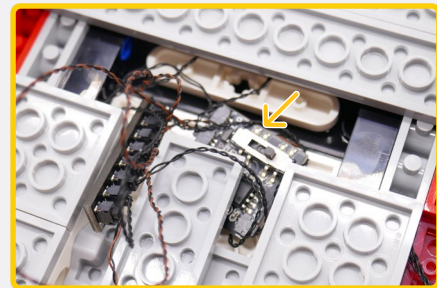
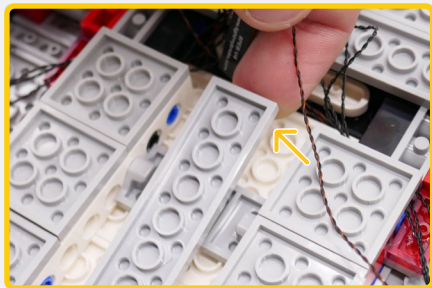





 **NOTE**

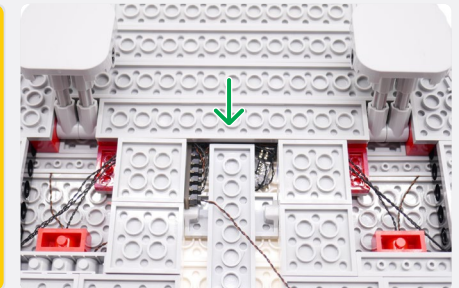
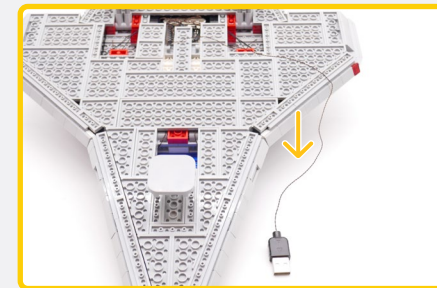
Lift Light Grey Plate with a finger or Pry Tool - Do not remove.

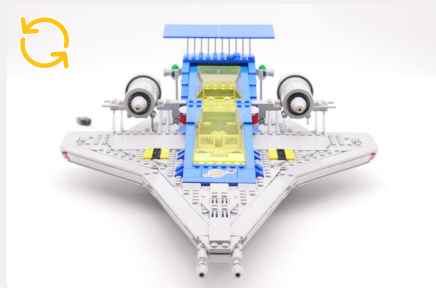
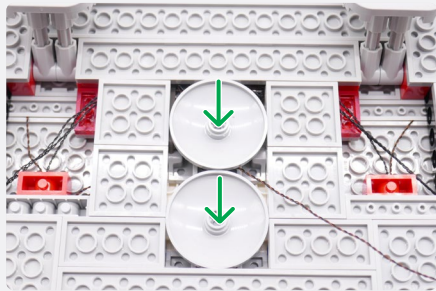
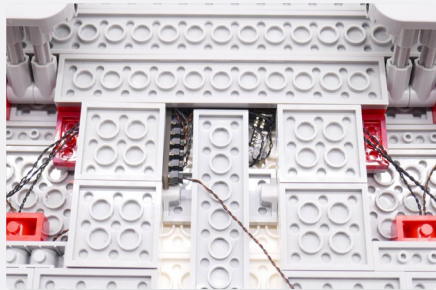
Slide Gun Effects board beneath Light Grey Plate.



 **NOTE**

Make sure USB Power Cable is hanging out before attaching 2x12 Light Grey Plate.





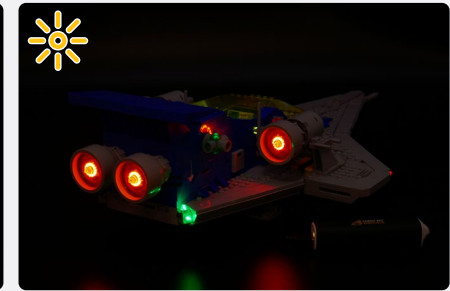
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NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)



! 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 in our troubleshooting section. **i**



NOTE

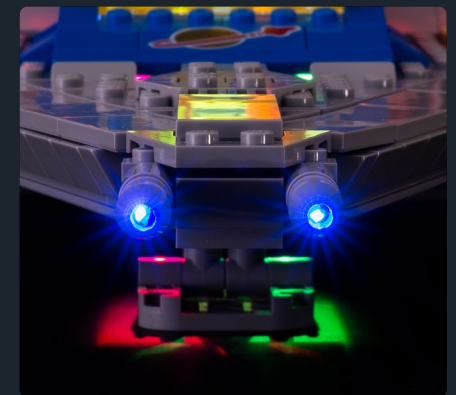
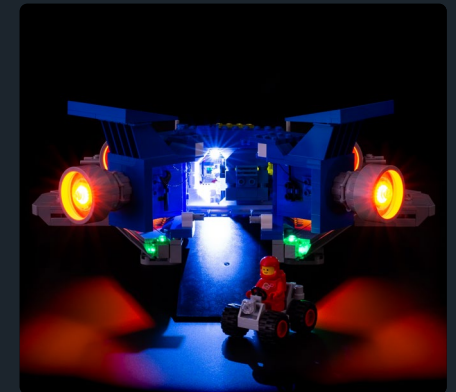
You should have these parts left over that were removed from the LEGO set



FINAL PRODUCT

This finally completes installation of the Light My Bricks

LEGO® Galaxy Explorer 10497 Light Kit.





TROUBLESHOOTING

Light My Bricks lighting kits contain individual components that are very small and can be easily damaged if not handled correctly.

To prevent unnecessary damage to components, we highly recommend that the User Guide section, **“Important things to note”** is read carefully. Follow the handling procedures in the User Guide to help prevent faults and damages to your Light My Bricks components.

If you are experiencing issues with your Light My Bricks set, watch our troubleshooting video or read on for a list of common causes to help you troubleshoot.

Troubleshooting

Firstly, ensure that the batteries have power using a battery charge gauge.

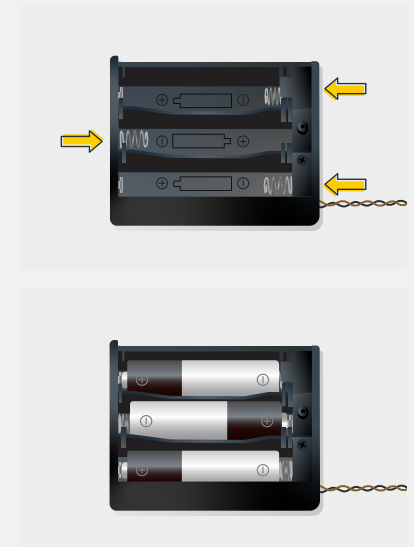
If the batteries have no power, replace the batteries.

If the batteries still have power, check to see if the batteries have been inserted correctly into the battery pack.

Check for AA batteries using the AA battery pack

Inside the battery pack are symbols indicating which direction the AA battery should be inserted. The flat side of the battery should be paired with the spring side of the battery pack.

If the batteries have been installed correctly and your kit still isn't operating correctly, the next step is to check the wiring.



Troubleshooting

Check Your Wires

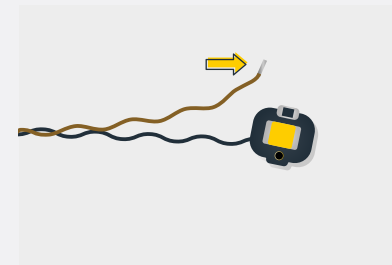
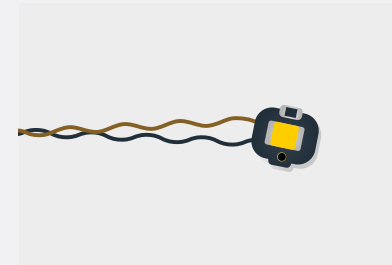
In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

Be careful when removing unpacked components out of the packaging and ensure not to forcibly pull at the wires as this can damage the soldering that attach the wires to the LEDs.

If the wiring is detached from the LED itself, the light will not operate.

When connecting lights to your LEGO® set, check that there are no pinched wires underneath or in between bricks and plates.

When the wires are pinched and the exposed wires are touching each other, this can cause a crosswire and the lights to not function correctly.



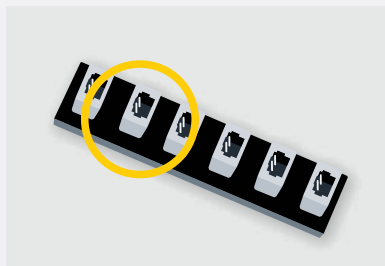
Troubleshooting

Check Your Expansion Board Ports/ Strip Light Ports / Effects Board Ports

It is important to note that connectors can only be inserted to the expansion board, strip light, or effects board ports in one direction.

Forcibly inserting connectors in the incorrect direction will result in damaging the pins inside each of the ports on your component board.

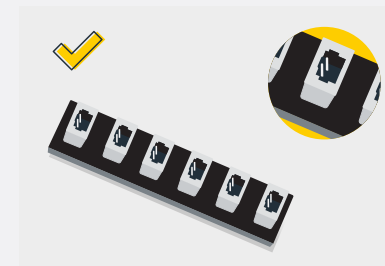
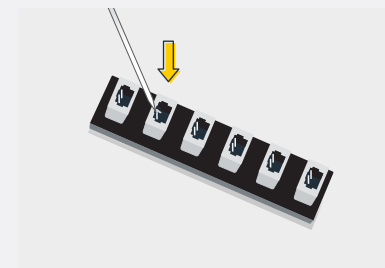
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.



A short circuit can also result in overheating of the board, cable or batteries. If you suspect a short circuit, **DISCONNECT POWER IMMEDIATELY**. Batteries can fail, catch fire, or even explode if left connected to a short circuit for too long.

If you suspect you have a faulty component due to a bent pin, try the following steps:

If you look carefully inside each of the ports, each port contains 2 small pins that should be straight. You will be able to identify a faulty port if it has any bent pins.





CONTACT US

If you have an enquiry regarding the online shop, our products or a general enquiry please refer to our Frequently Asked Questions webpage.

Alternatively, you can contact our Customer Services team by visiting our online support portal.

support.lightmybricks.com

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



lightmybricks.com