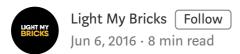
Light My Bricks: R2-D2 LED Lighting Kit





Here is the instruction document for the Lego R2-D2 LED lighting kit. Please read and follow the steps carefully to ensure this lighting kit is installed properly.

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If you are viewing this user guide as a PDF file, you can also view this online by clicking here.

Package contents: 2 x White 30cm Bit Lights

2 x Blue 30cm Bit Lights

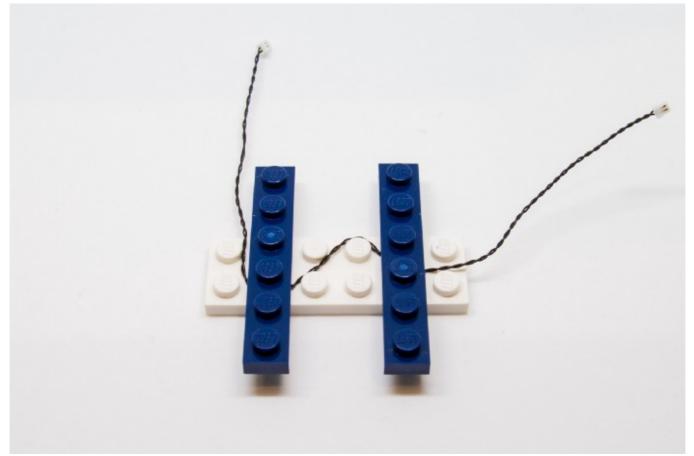
1 x 6 Port Expansion Board

1 x Battery Pack (3 x AA Batteries not included)

correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.





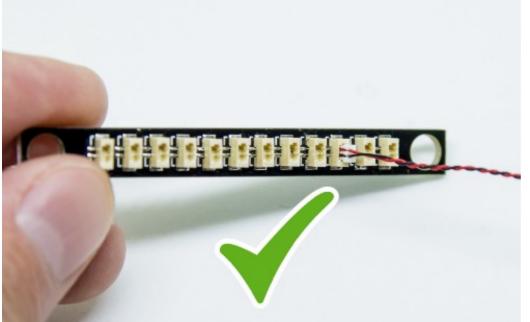


CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

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.

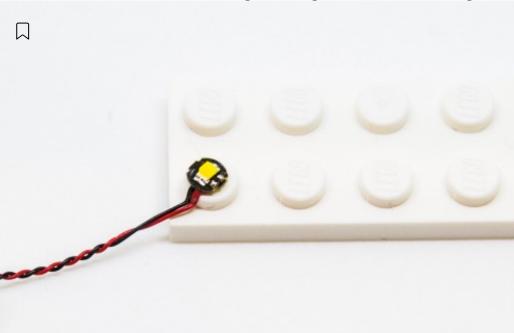


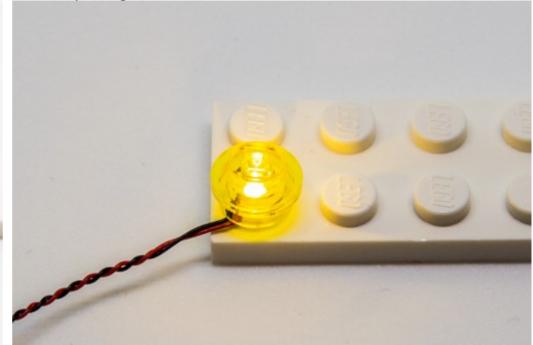


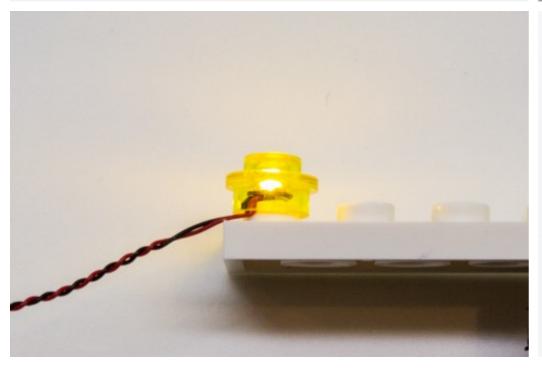
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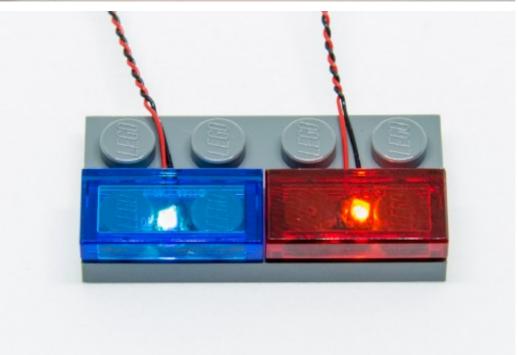
result in petite bine incide the bore or bossions overheating of the expansion board when

connected.
Installing Bit Lights under LEGO® bricks and plates.
When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.









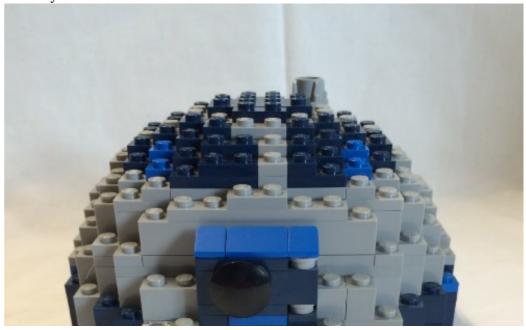
OK, Let's Begin!

Instructions for installing this kit

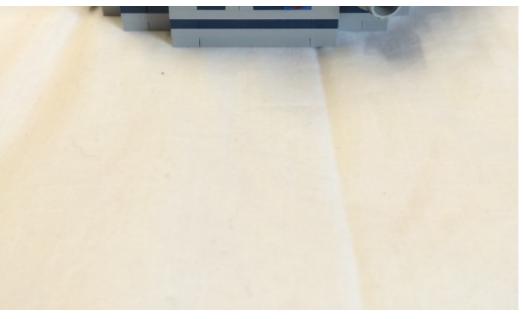
The first thing we need to do is take R2's head off. I know, it sounds brutal but he can't feel it anyway, right??

If you gently hold his head and lift upward, it should easily come off.

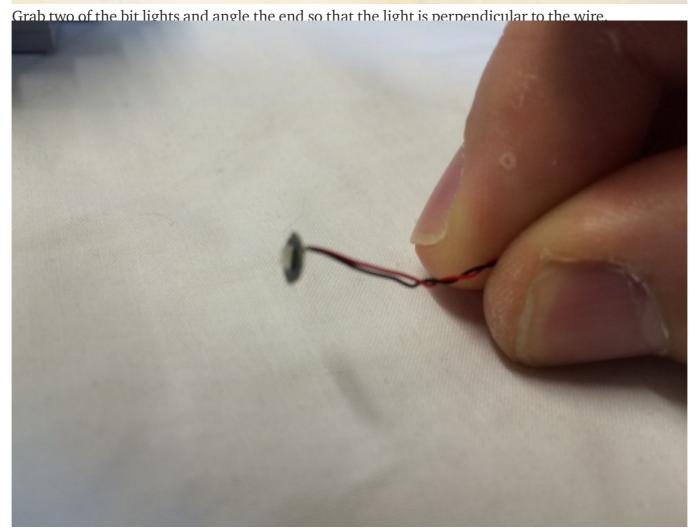








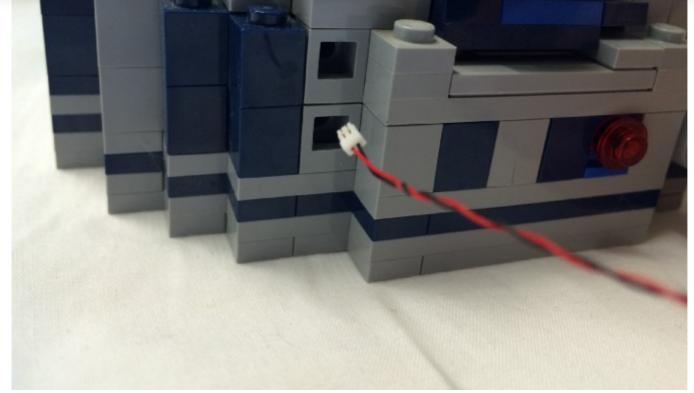




Feed the connector end of each bit light into the square hole left by removing the 1x1 trans-clear plates.







Once they are thread all the way through, the LED will sitting inside the square hole facing towards

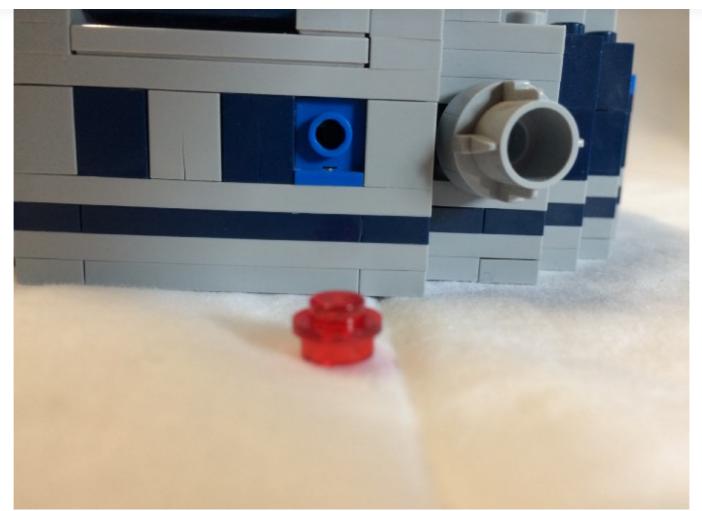


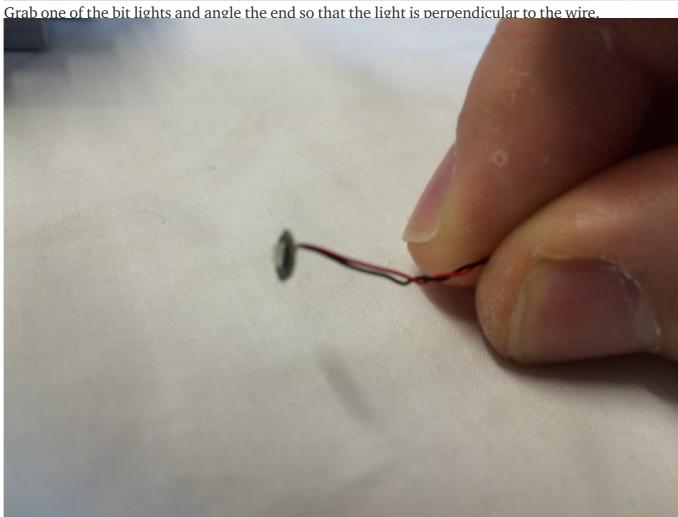
Let the plug ends of wires rest where they will.....we will get to those later.



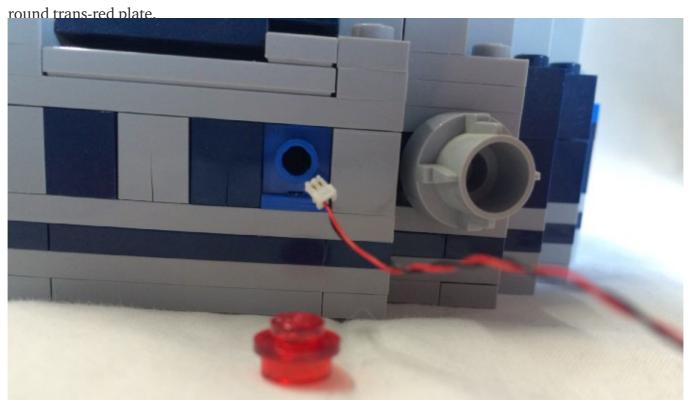










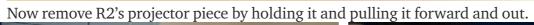


aning 2

Once the wire has been fed all the way through, the bit light will sit on the outside of the round hole





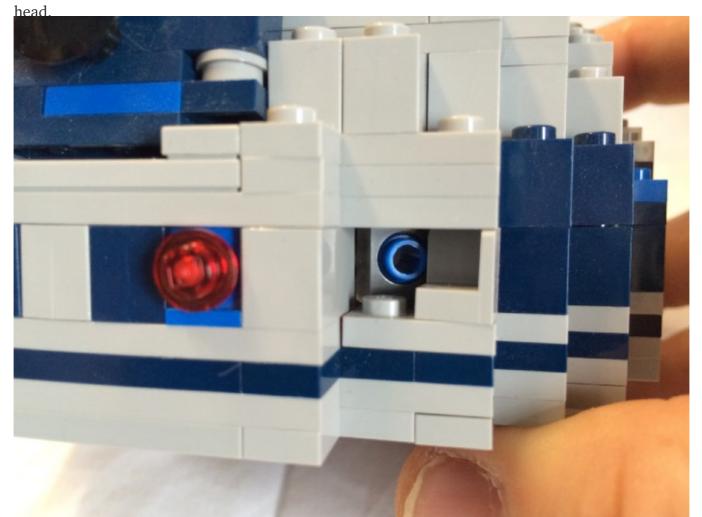






The projector piece came out of a 1x1 brick with a blue technic pin in it. The 1x1 brick can move from side to side a bit leaving a gap on the left hand side of the brick between it and the rest of R2's





It is in this gap that we want to run the wires for the last bit light. The plug won't fit through this gap, so we need to pry some pieces apart to feed the plug through. If you lift from where the 1x1



Pry the pieces apart until there is enough room to thread the plug end of the remaining bit light through



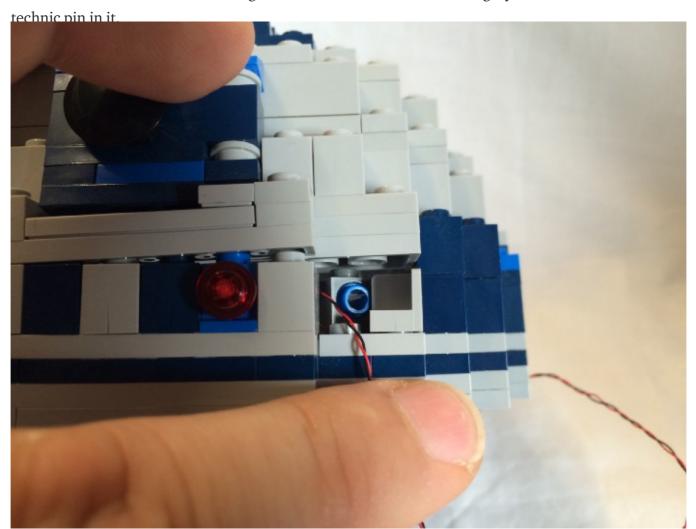
Get started

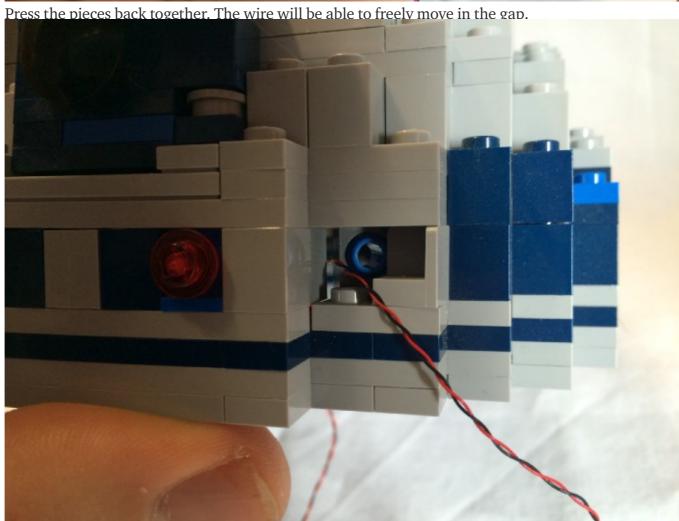


 \Box



Push a few inches of the wire through and let the wire rest next to the grey brick with the blue

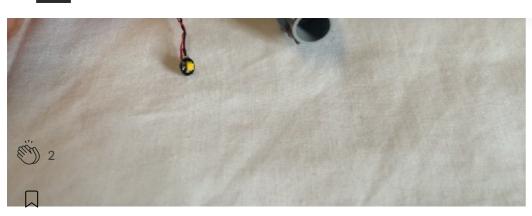




The projector piece we removed is actually two pieces. Pull those pieces apart.









We are going to place the bit light inside the larger round piece making sure that the LED faces away



Place the bit light into the round space on the larger round piece just far enough so that the LED



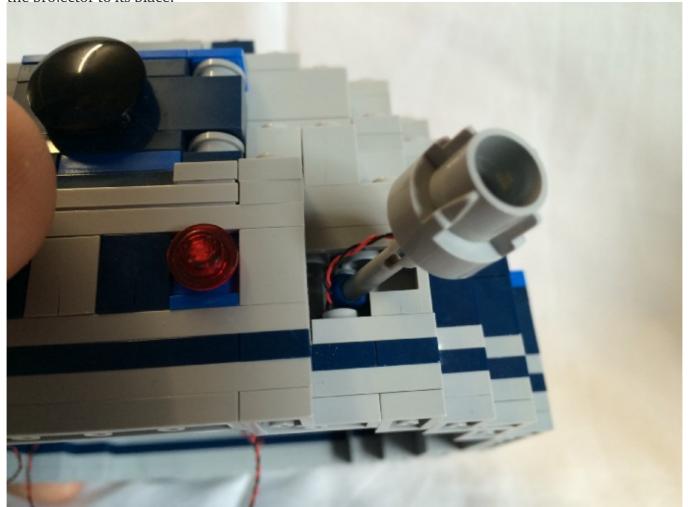
Gently replace the technic rod into the hole where the LED is. It will be a tight fit so you need to do



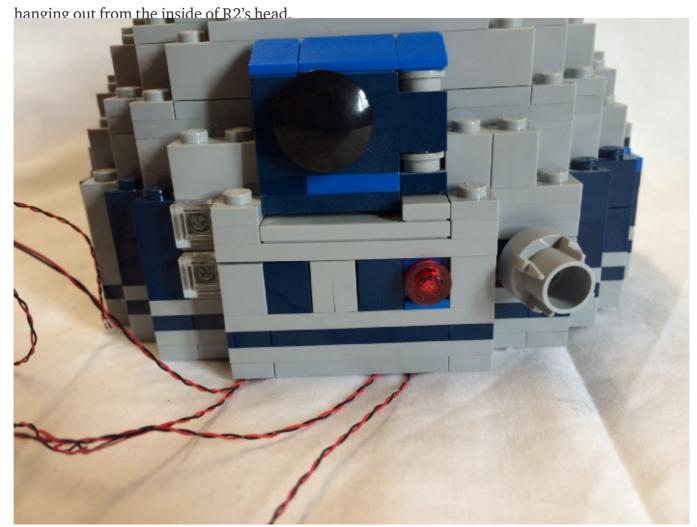




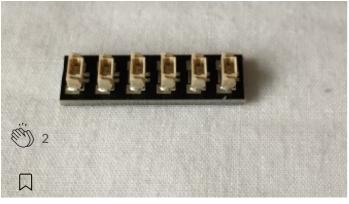
Now you can return the projector piece to its place. Feed the wire back in through gap as you return the projector to its place.

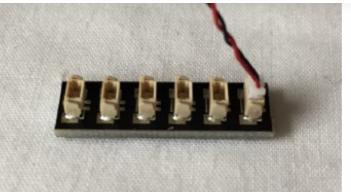


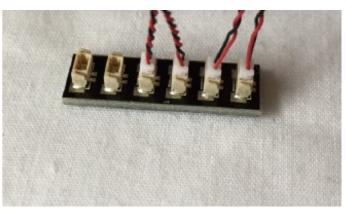
With the projector piece back in place, we have all four LEDs where we want them and four wires













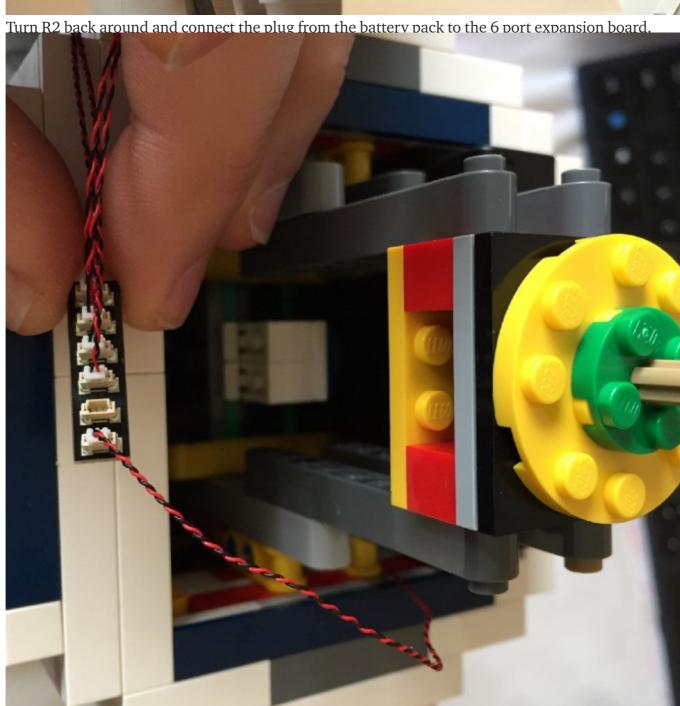
Turn R2 around and sit the battery pack horizontally inside his body with the switch on the high



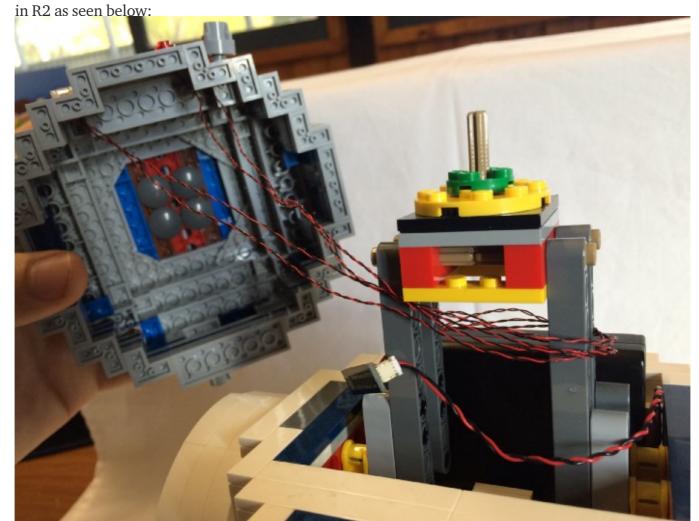






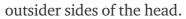


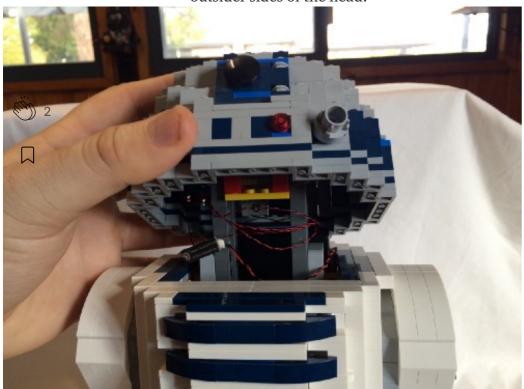
You'll see that there is an excess of wire from the bit lights to the 1:4 expansion adaptor. You can gather these up in whatever way you choose. One way is to wrap the wires around the centre pieces





Carefully put 102 o ficua back off the body making sure that when and conficctors are cical of the







Congratulations! You're done!

To turn on, gently lift R2's head until you can access the on / off switch.



