

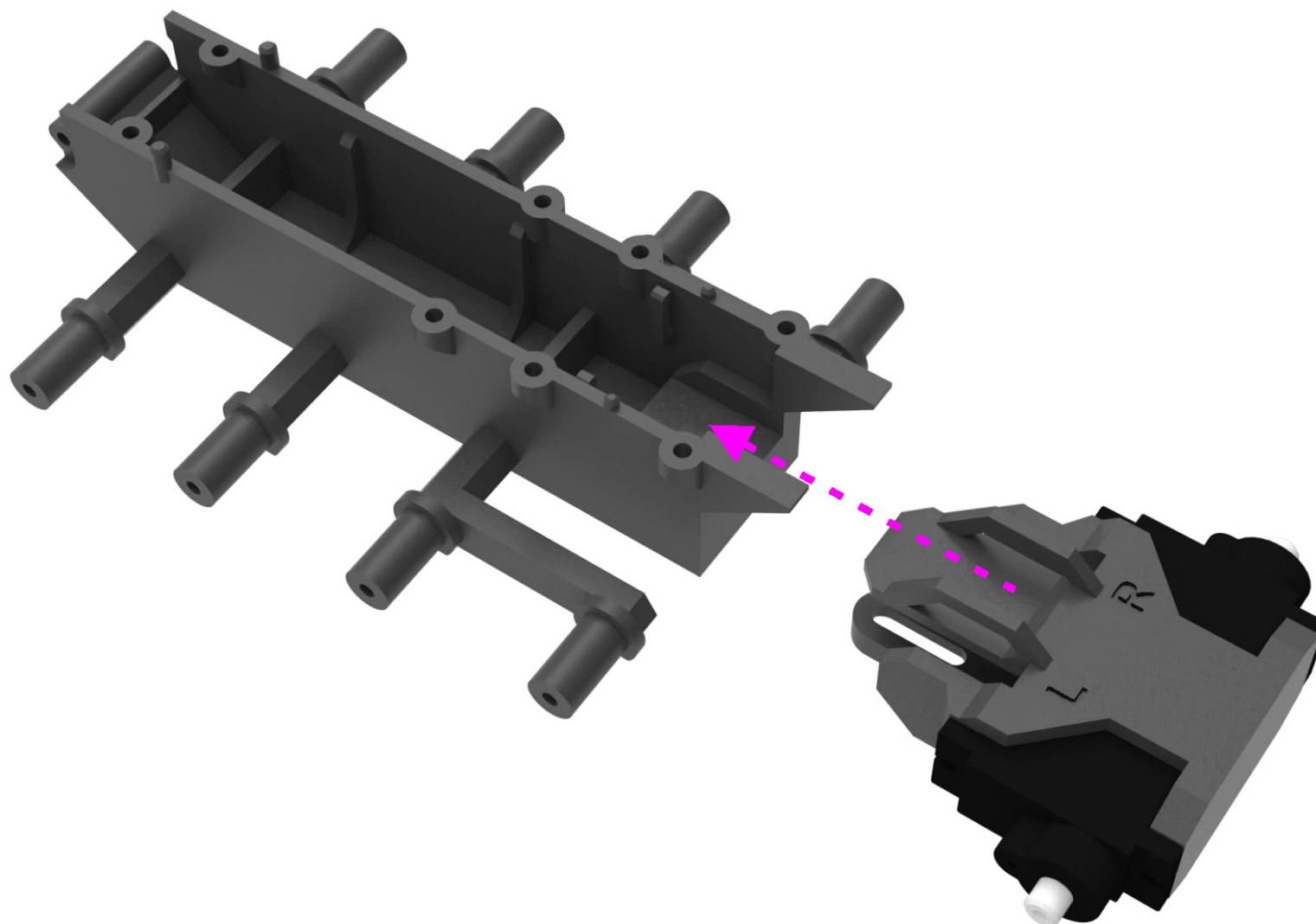


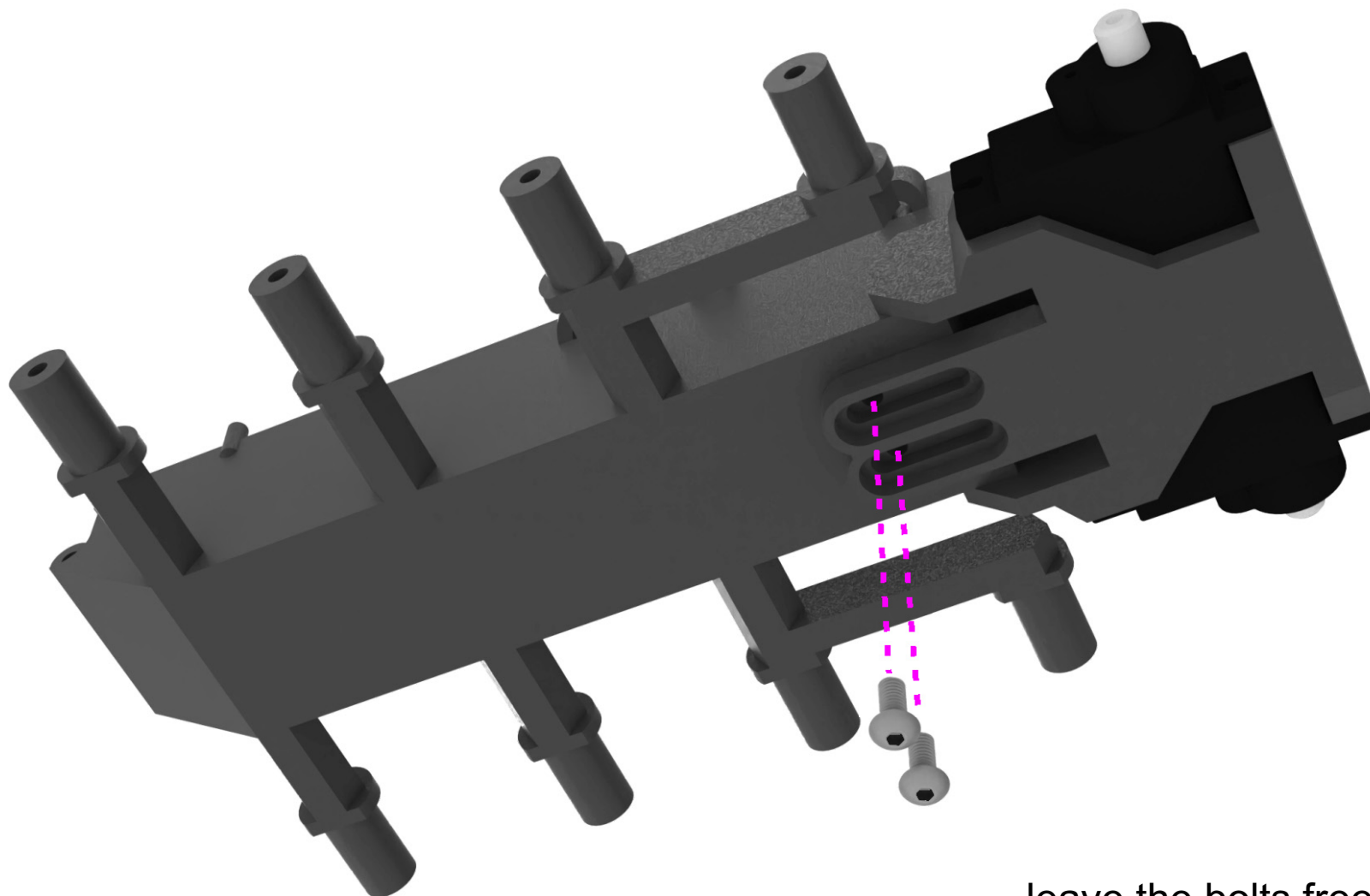
# **SANTA'S SNOWCAT**

## **SIMPLIFIED BODY**

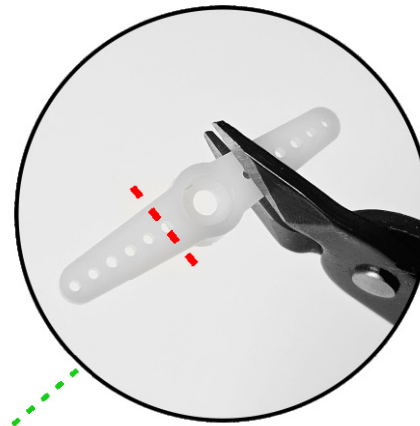
### **INSTRUCTION**



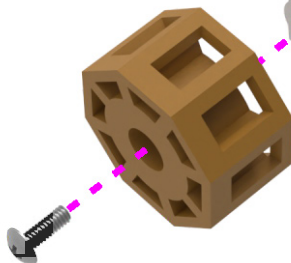
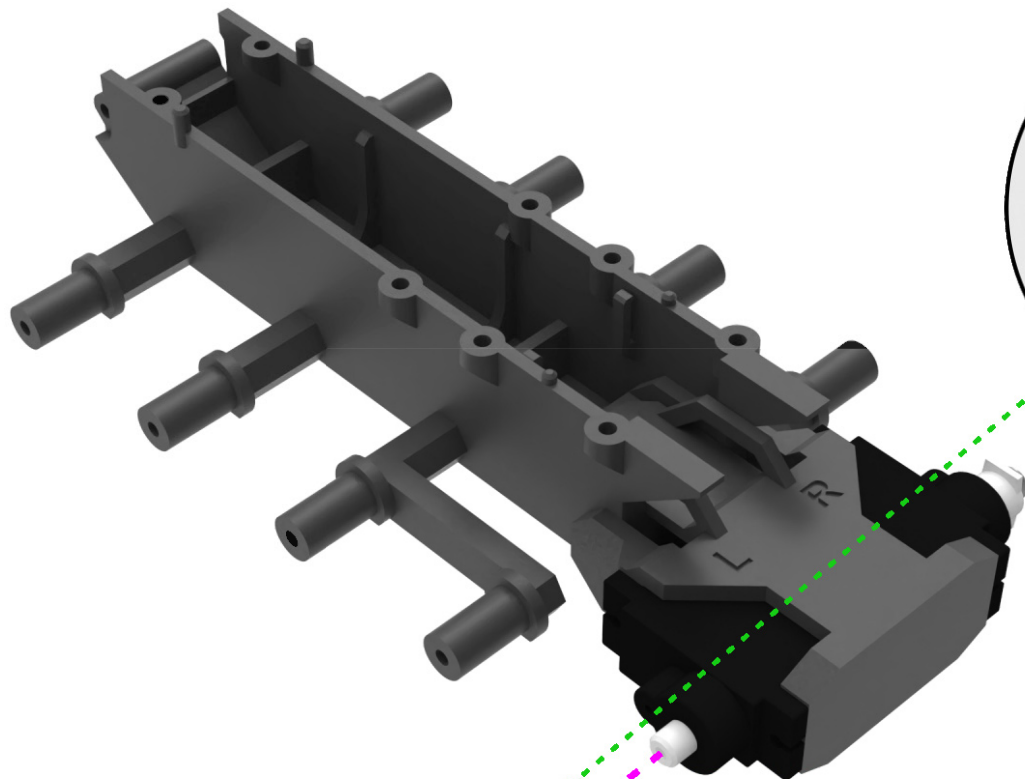




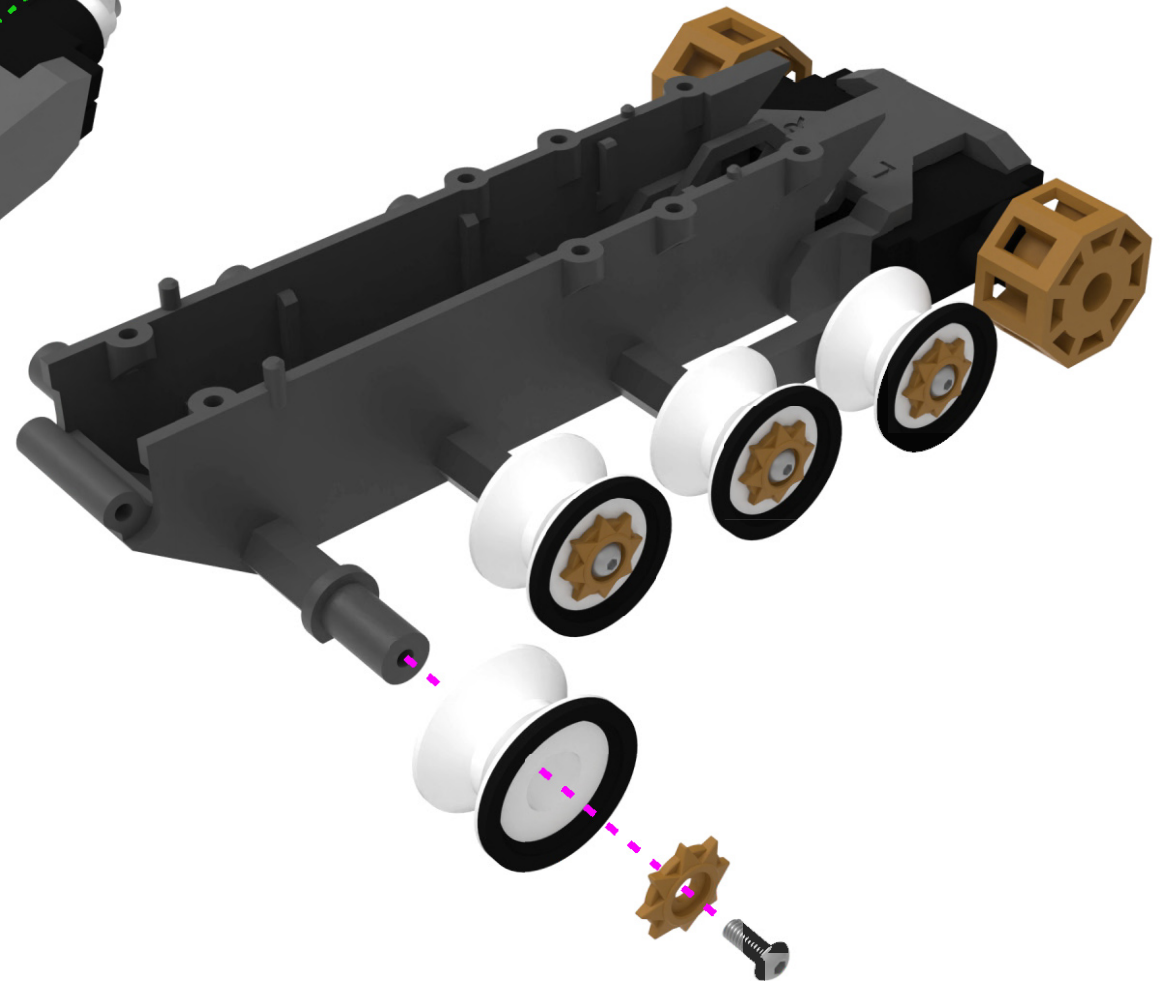
leave the bolts free so that the  
carriage with servos can move  
back and forth



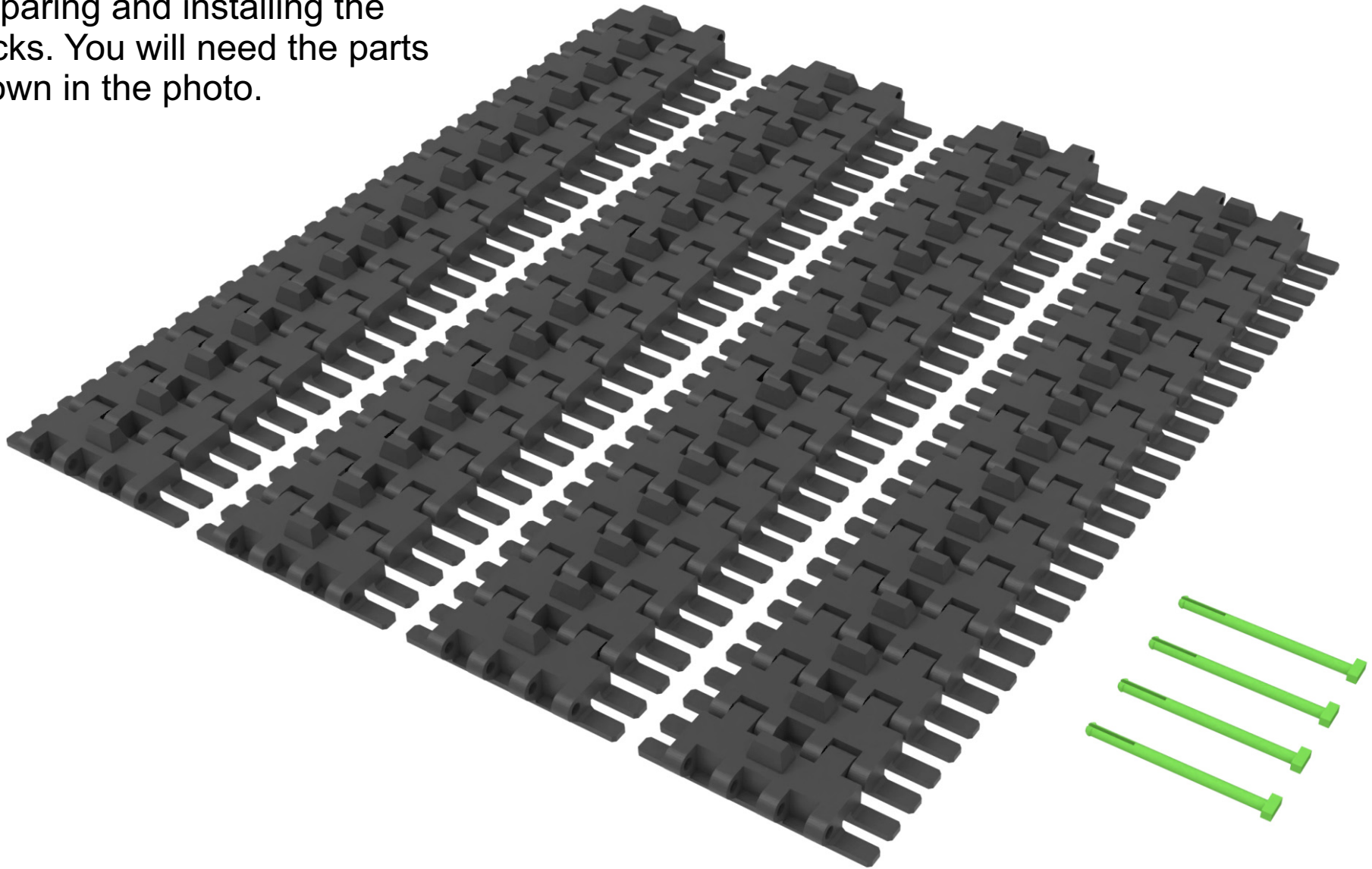
Trim the horn as  
shown in the  
photo



Use the long screw from  
the servo package

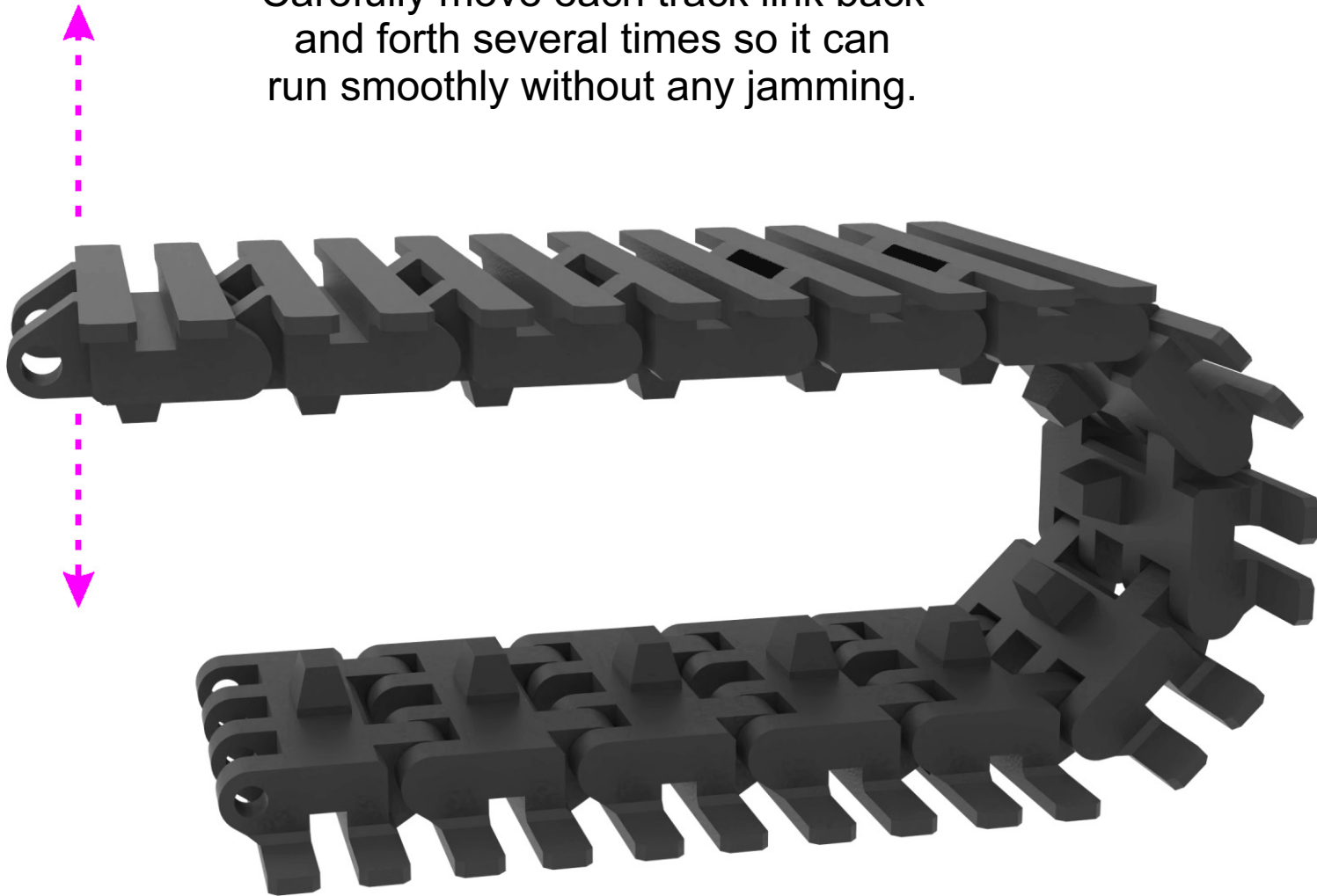


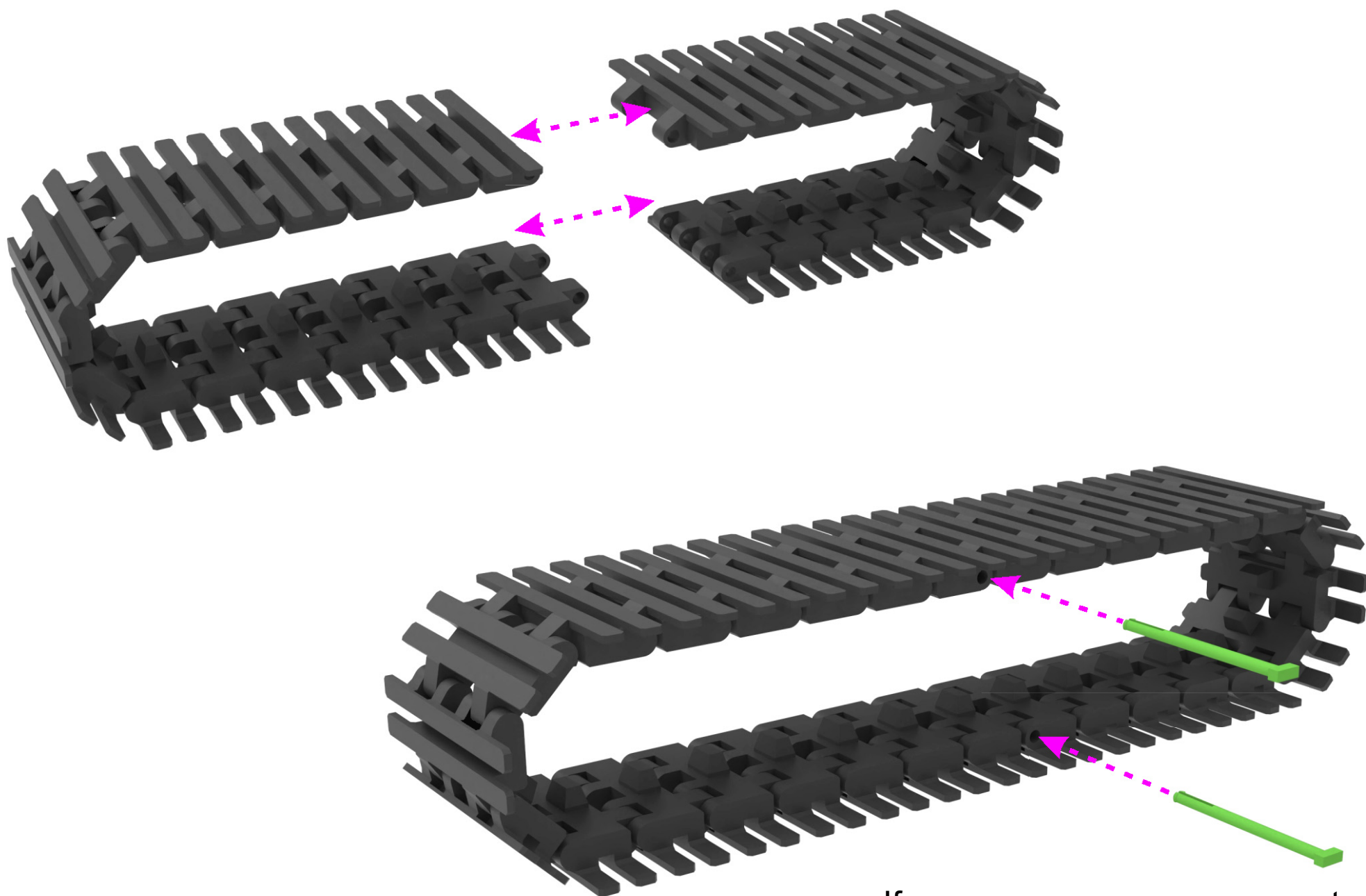
The next step will be preparing and installing the tracks. You will need the parts shown in the photo.





Carefully move each track link back and forth several times so it can run smoothly without any jamming.

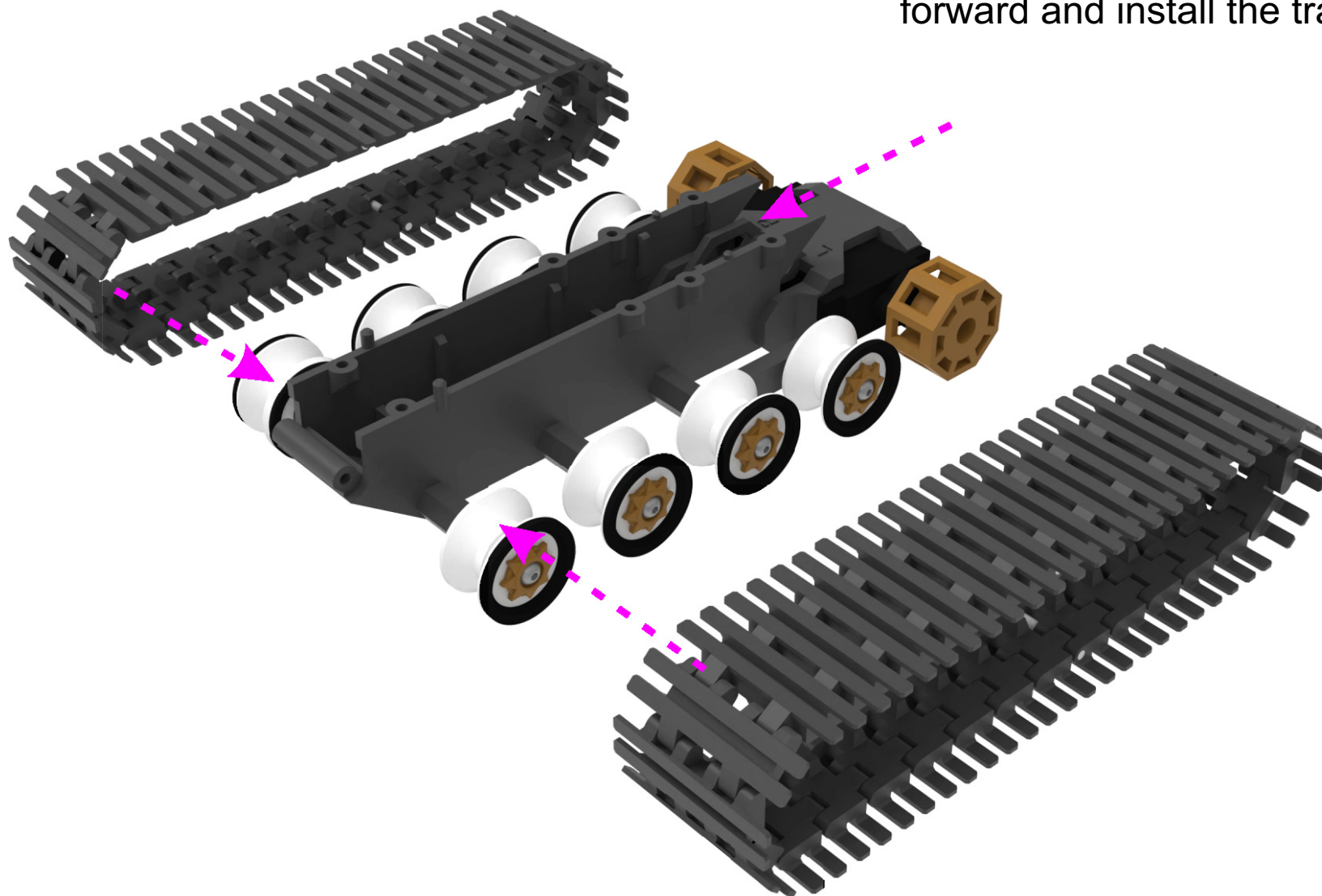


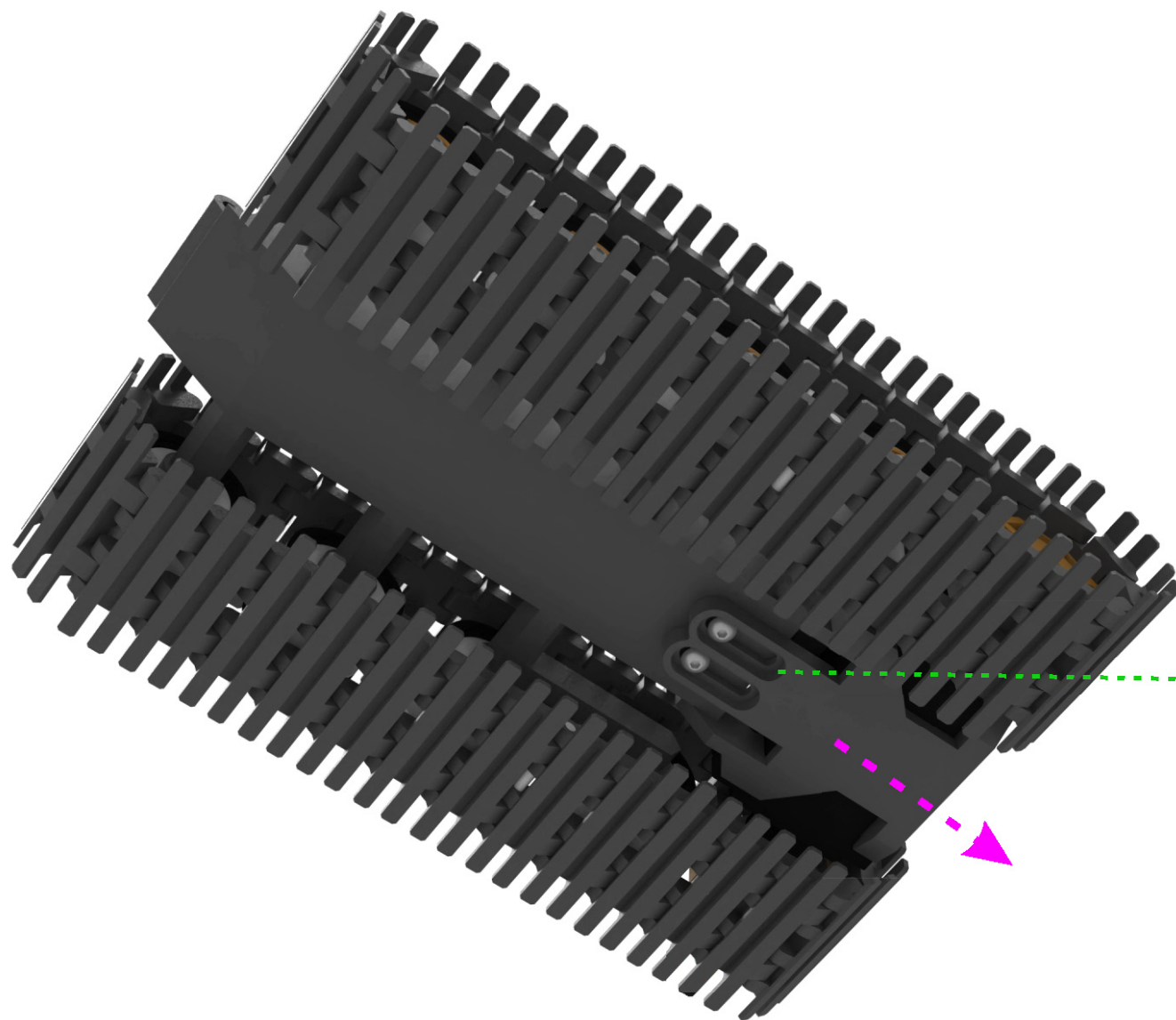


If necessary, you can use a cut piece of filament instead of these clamps

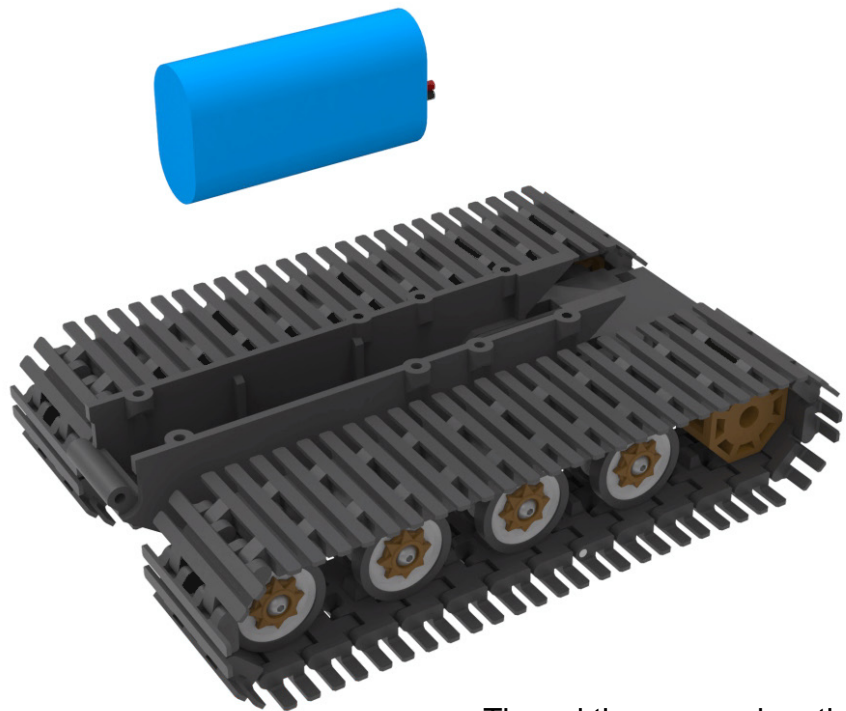


Move the carriage with servos forward and install the tracks

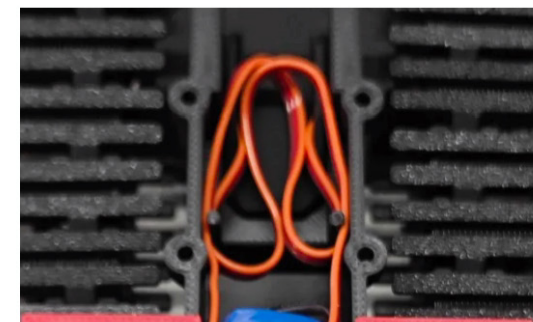
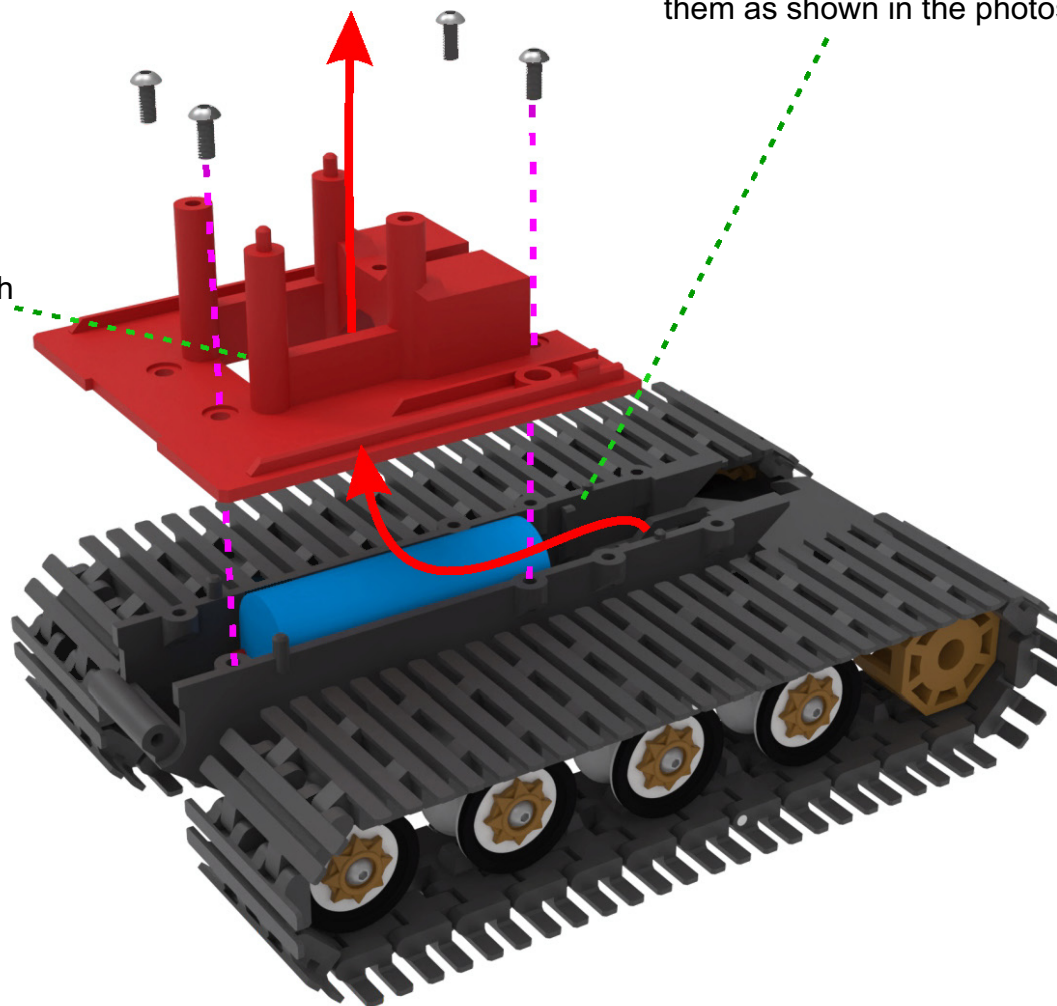




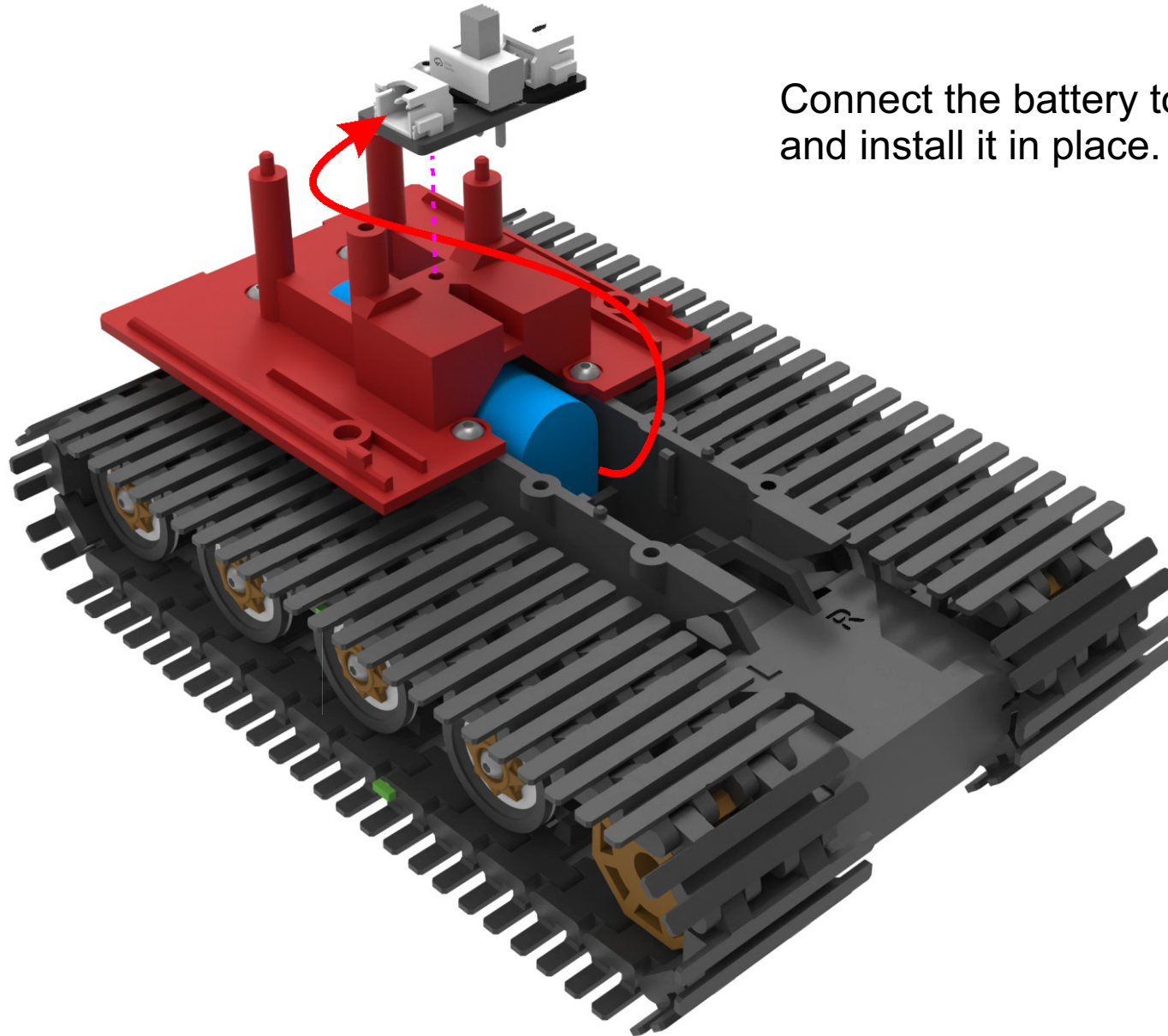
Slide the carriage with servos  
back and tighten the bolts to  
secure it.



Thread the servo wires through this hole.

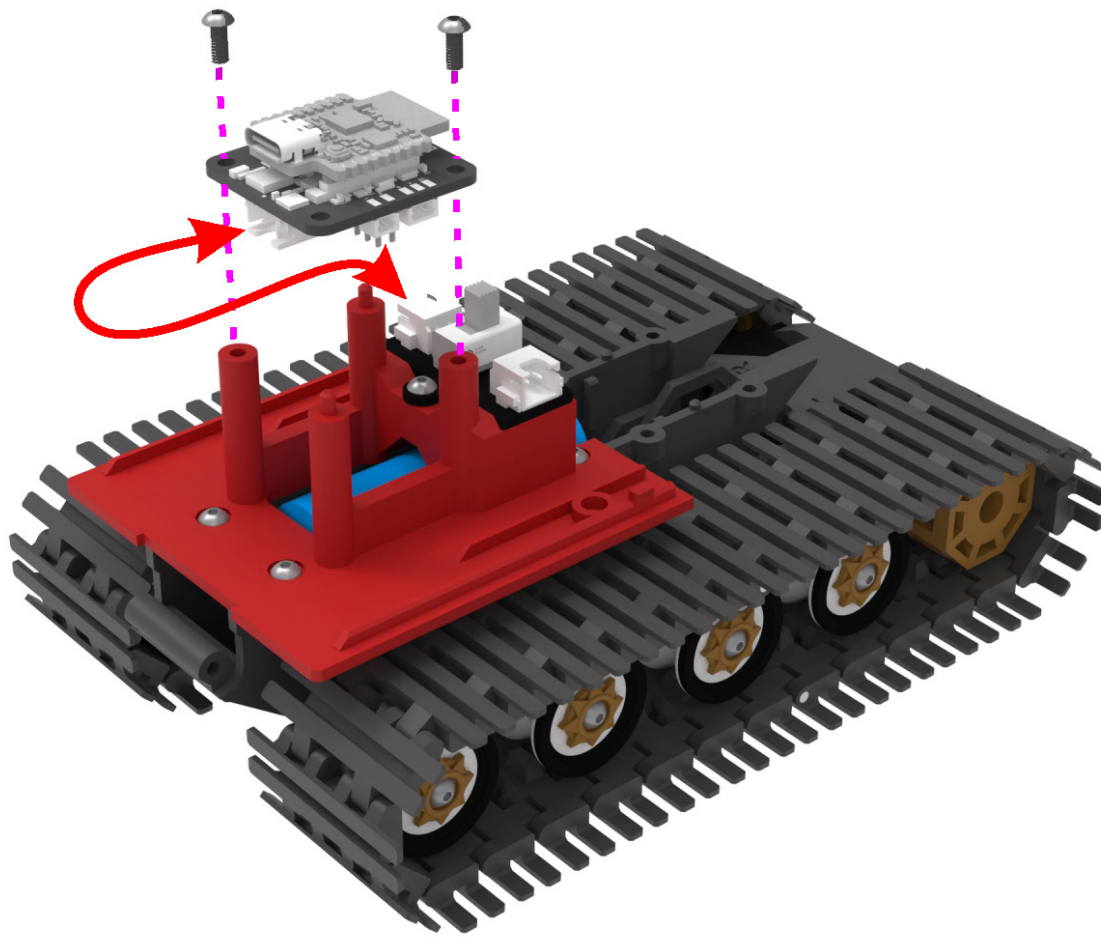


The servo wires are long, so I added dedicated cable eyelets to manage the excess. You can route them as shown in the photos.

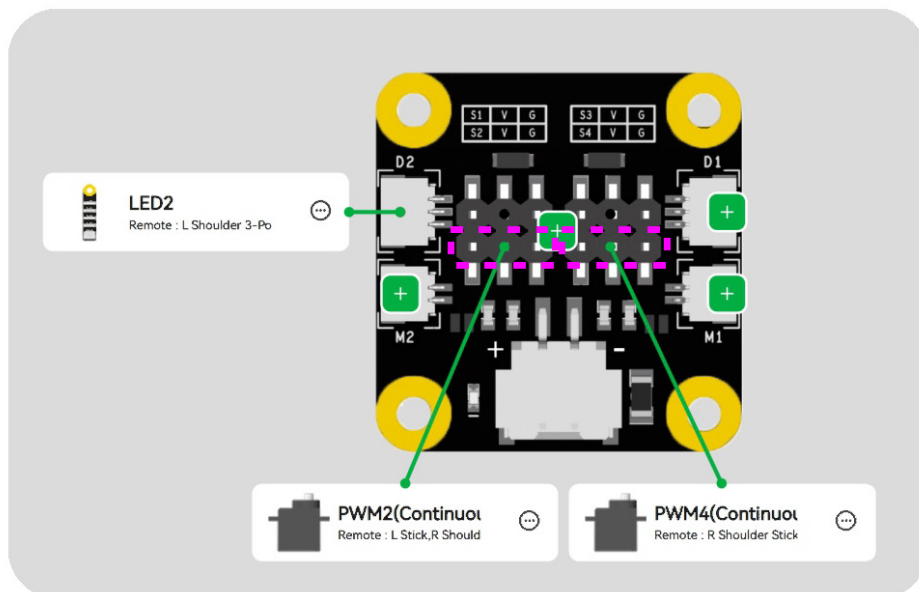
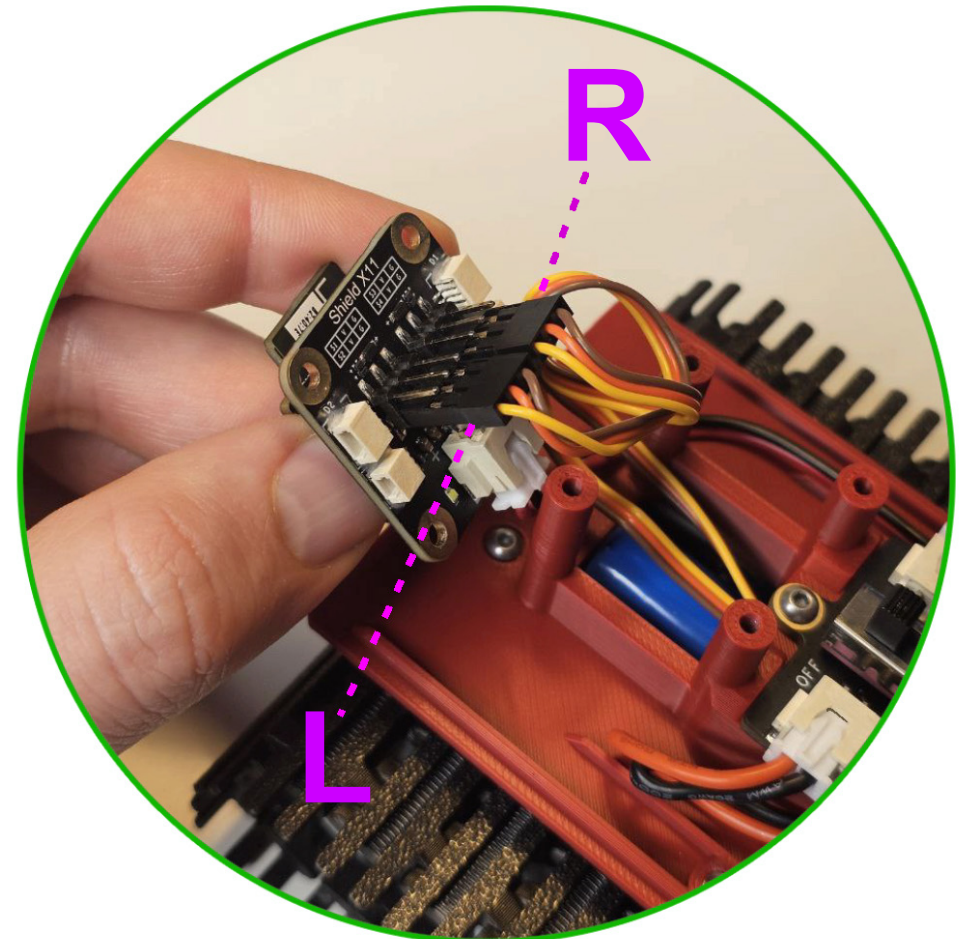


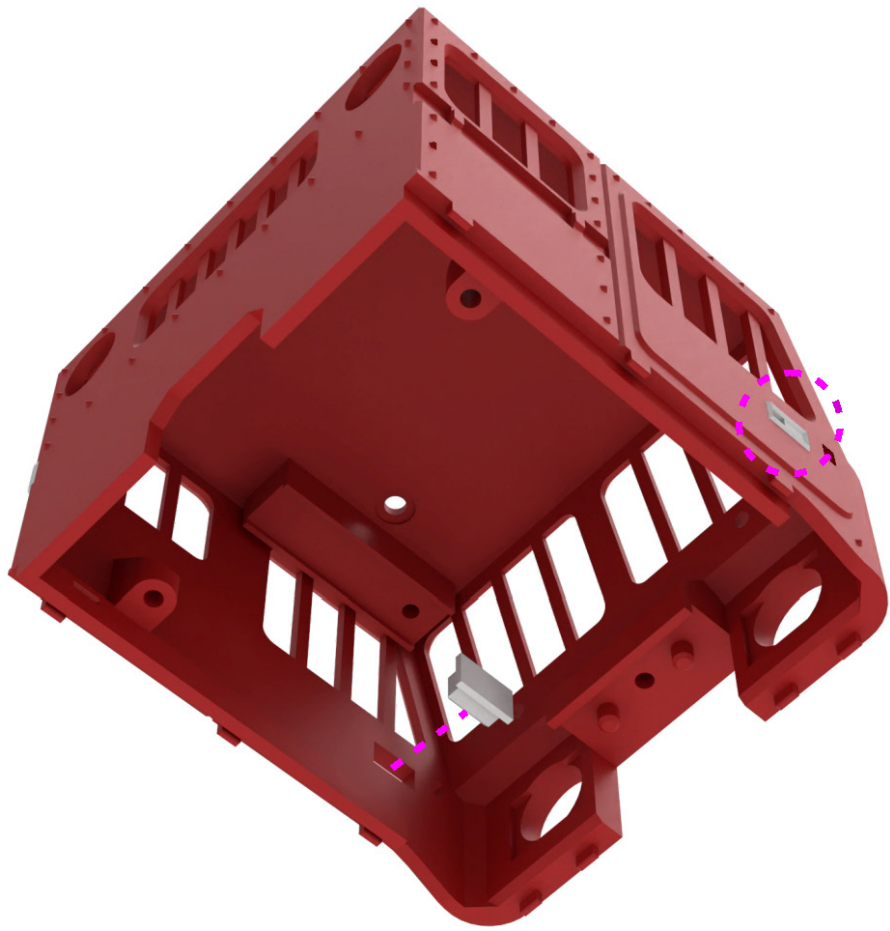
Connect the battery to the switch and install it in place.



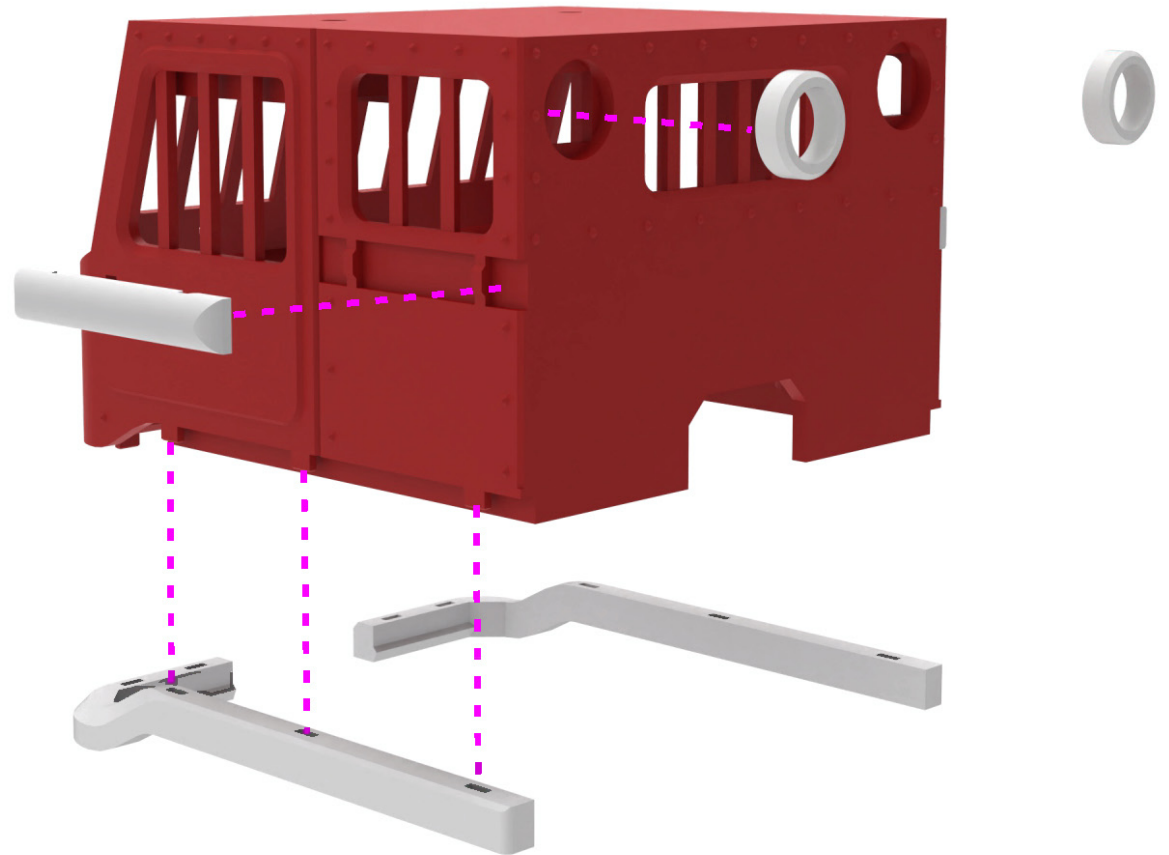


Connect the servos and the power wire from the control board to the switch. Turn on the power and upload the JSON code. You need to make sure that the left joystick controls the left track, and the right joystick controls the right track. And that the track moves in the correct direction.

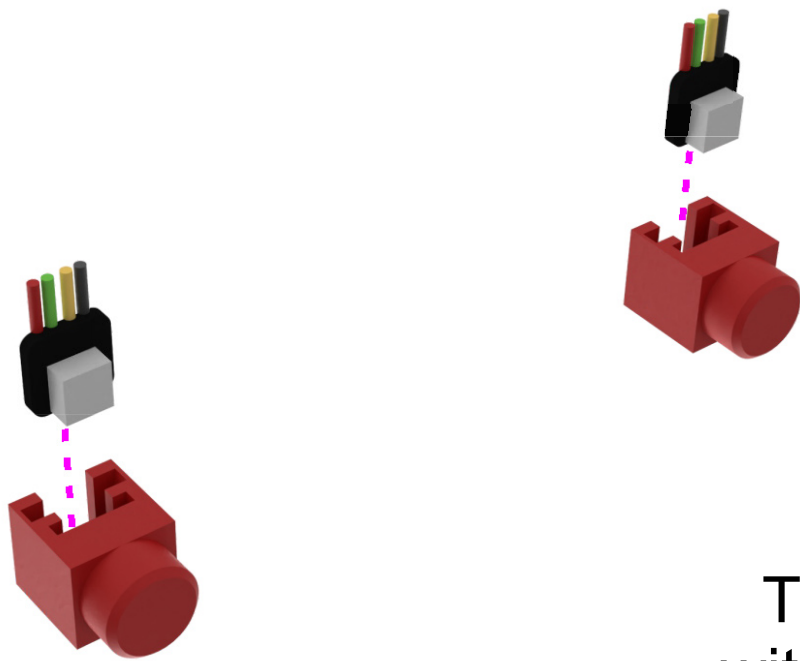




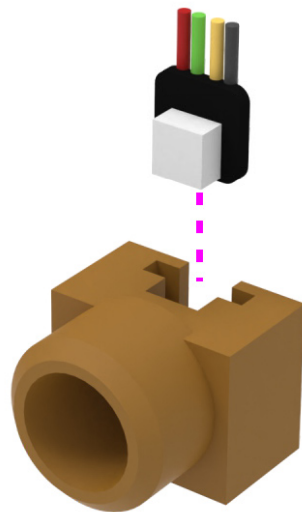
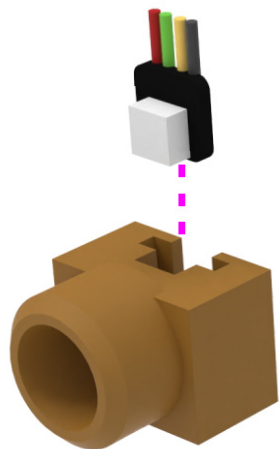
These parts are designed to be press-fit without glue. If the fit is too loose on your print, just add a small drop of glue.

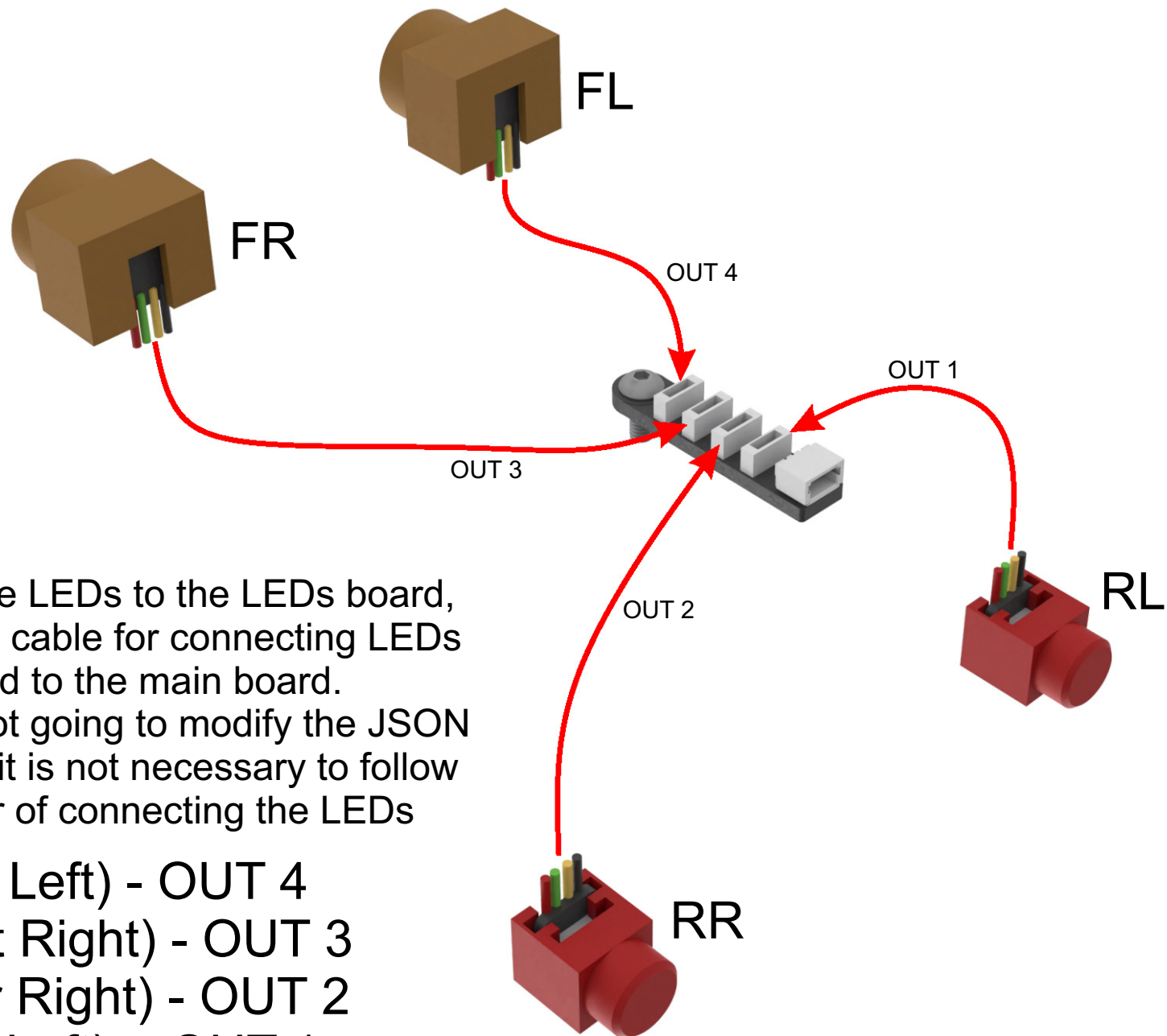






The LEDs should fit quite tightly,  
with the wires coming out upwards.





Connect the LEDs to the LEDs board,  
and a black cable for connecting LEDs  
board to the main board.

If you are not going to modify the JSON  
code, then it is not necessary to follow  
the order of connecting the LEDs

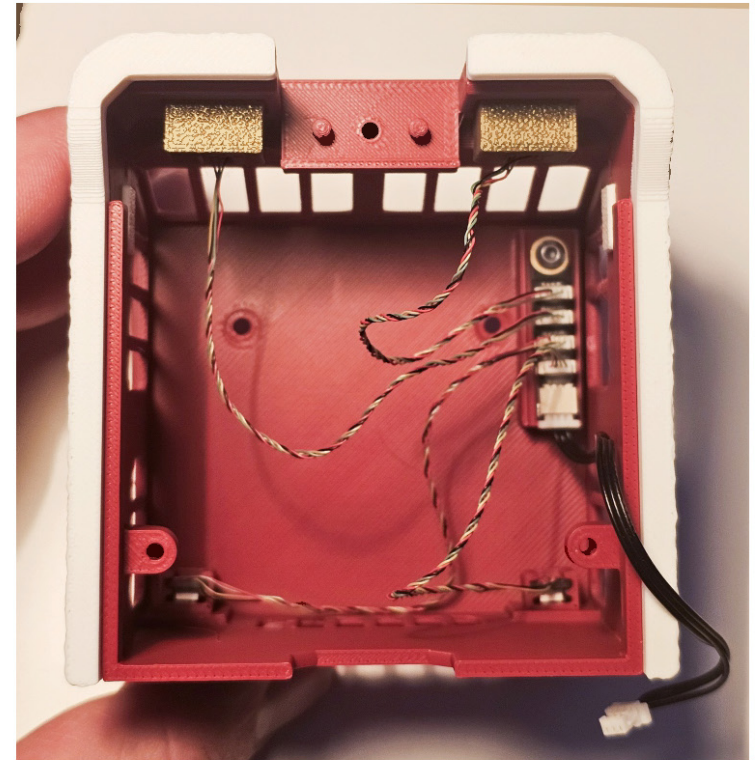
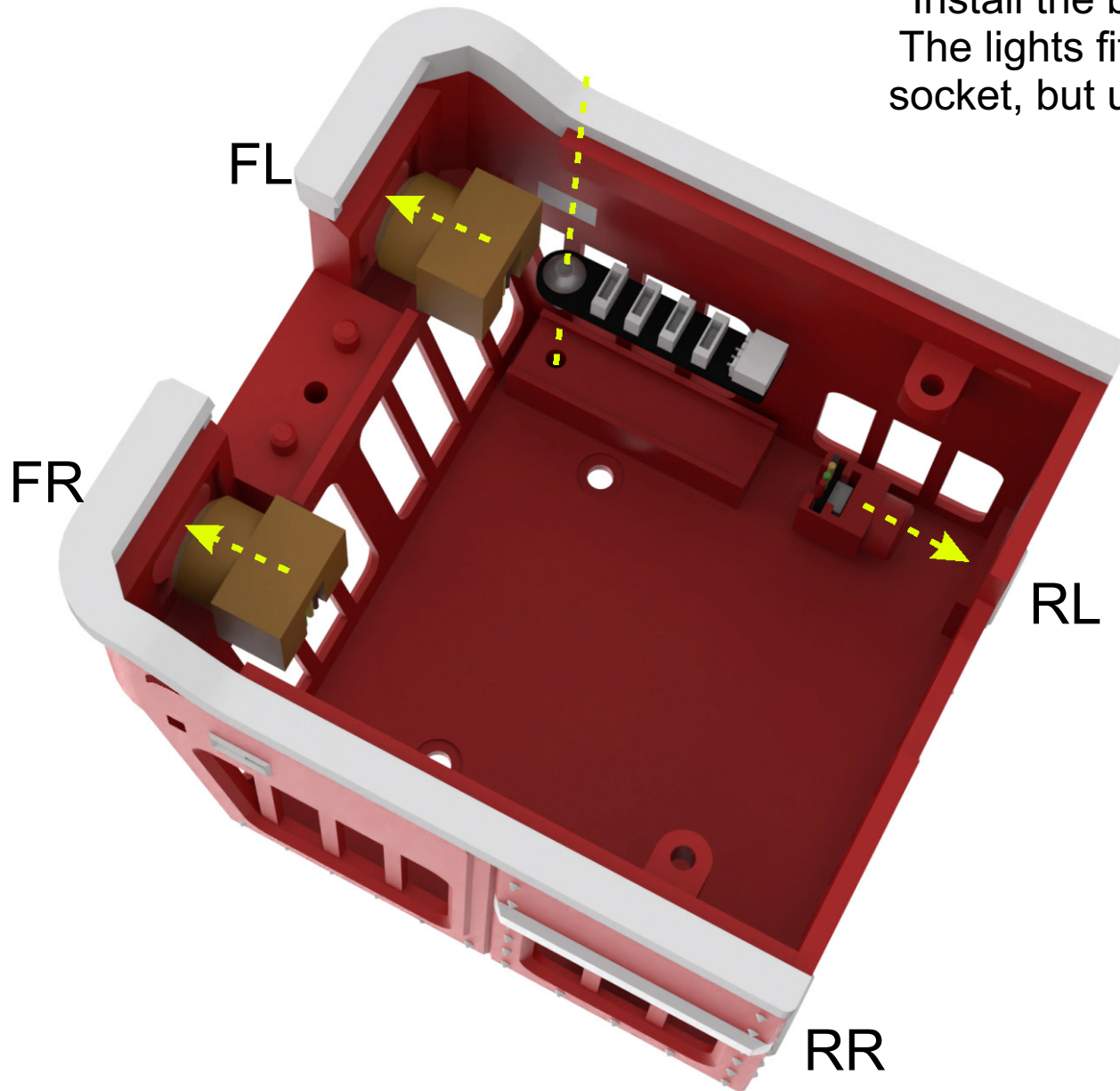
FL (Front Left) - OUT 4

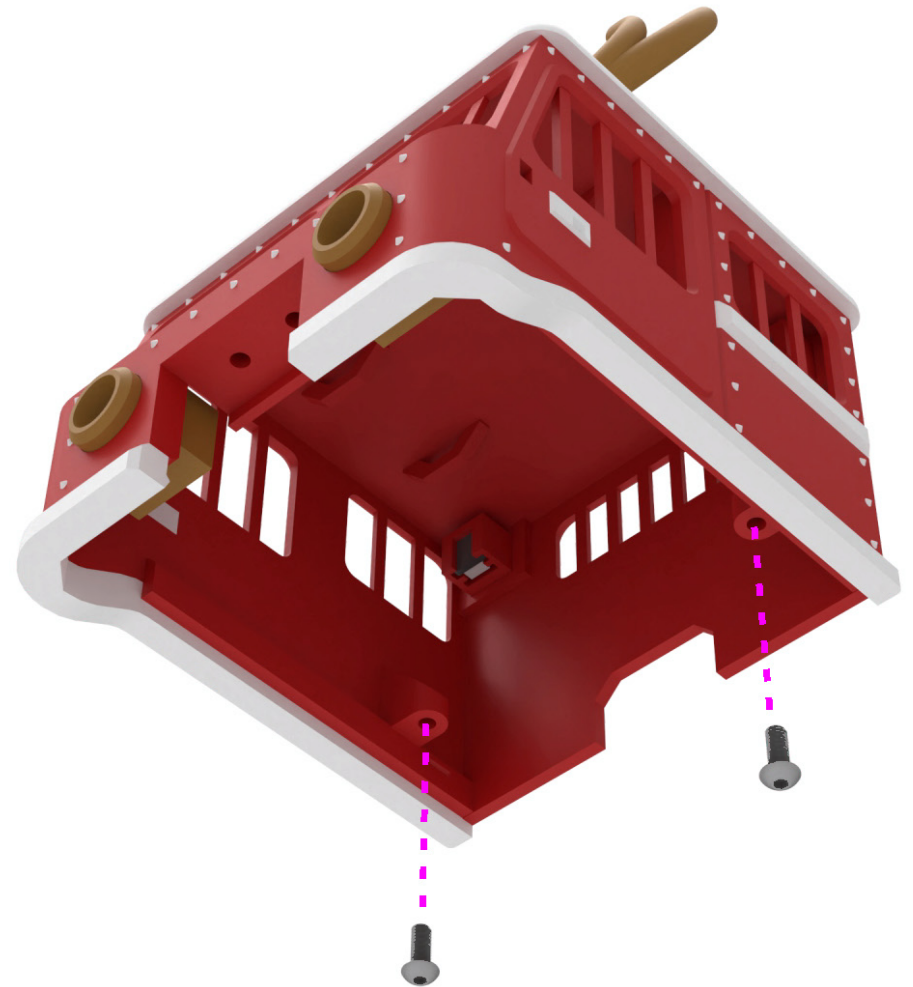
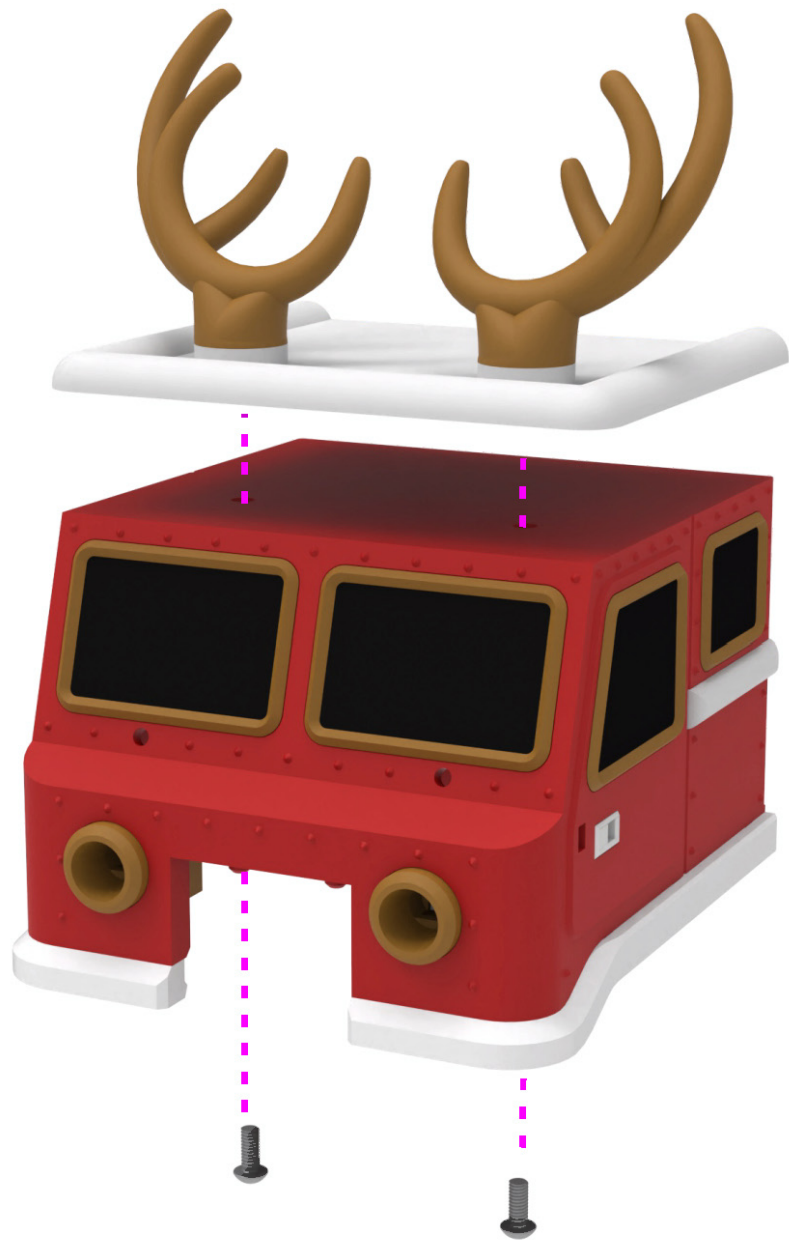
FR (Front Right) - OUT 3

RR (Rear Right) - OUT 2

RL (Rear Left) - OUT 1

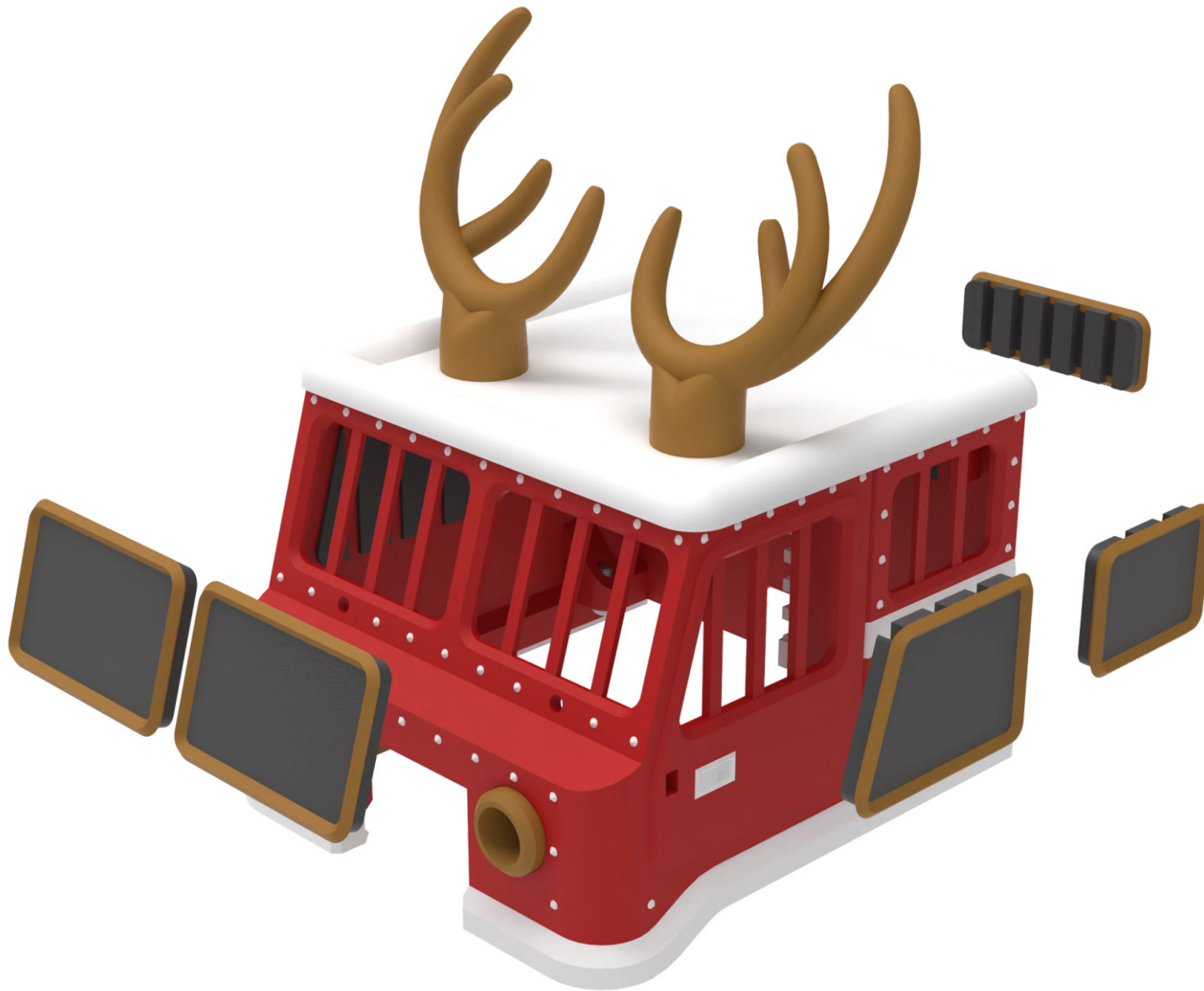
Install the board and the lights.  
The lights fit fairly tightly into the  
socket, but use glue if necessary.



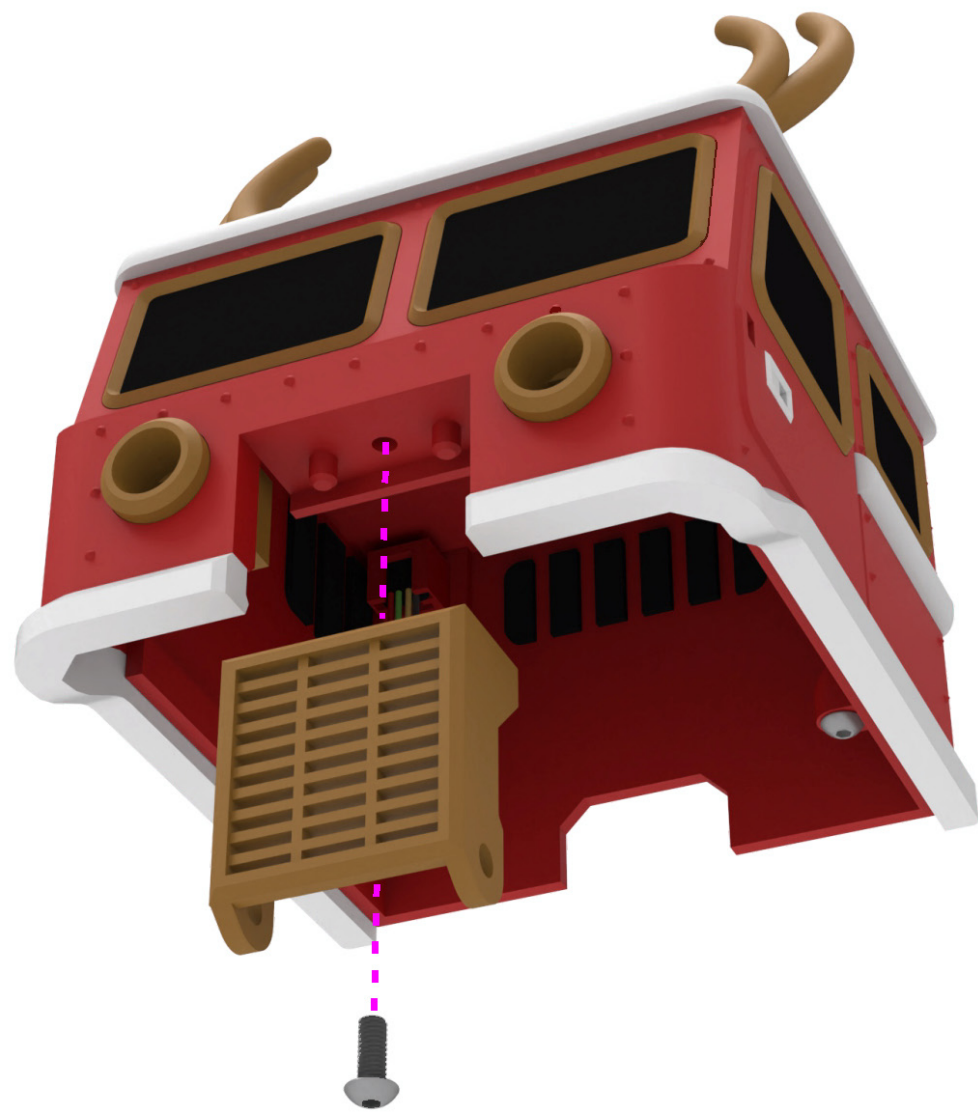


I used latches to secure the top of the body, but they're quite tight. If you don't like that, you can use the magnets from the CyberBrick kit. You'll see special mounting holes for them in the bottom of the body, and you'll need to install these bolts.

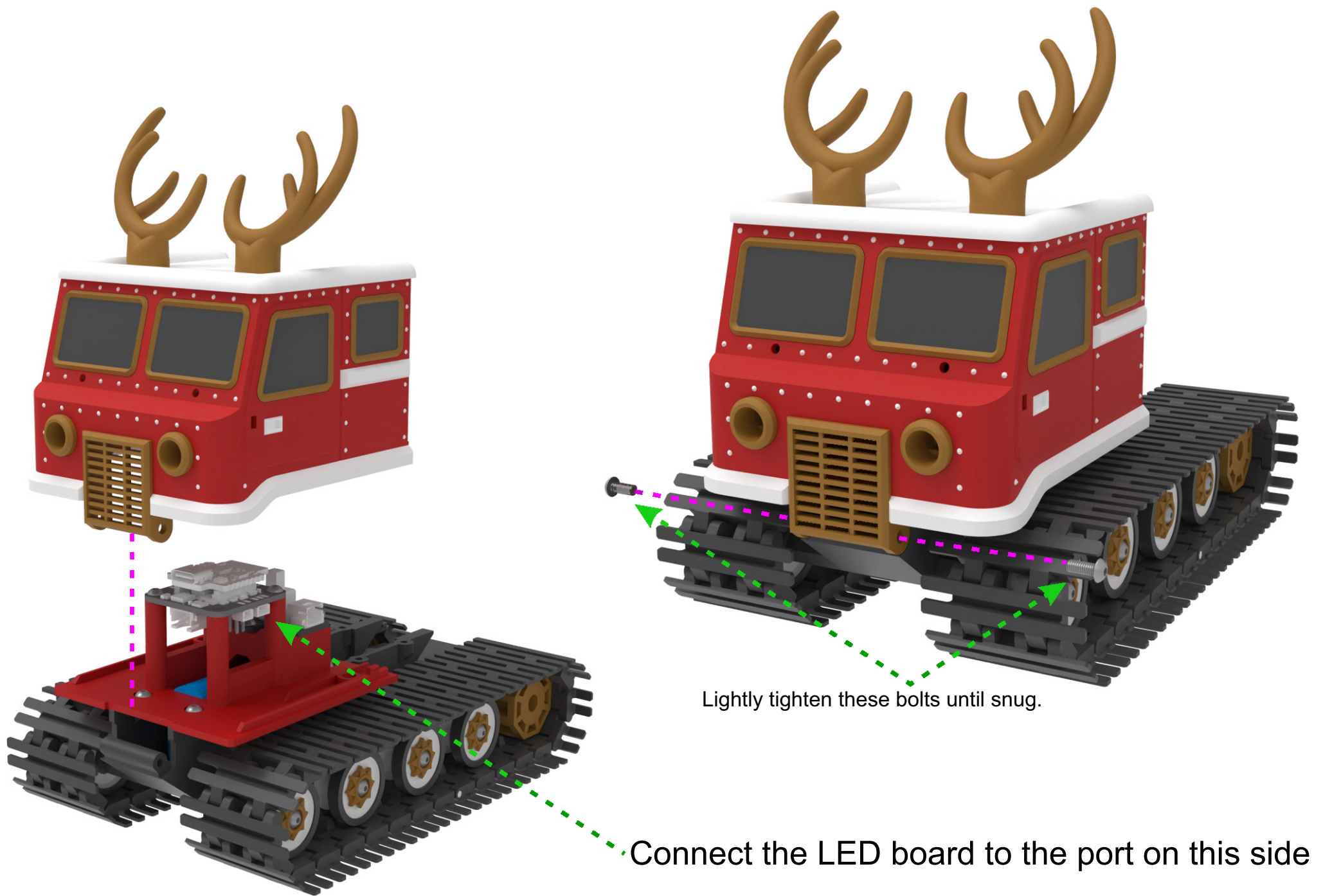




The windows should fit pretty tightly, but if yours doesn't, just use a little glue.















Youtube



Instagram



FB Group

Ho-ho-done! Your Santa Snowcat is ready for the North Pole—awesome work! Scan the QR codes to follow along lots of great content is coming soon.