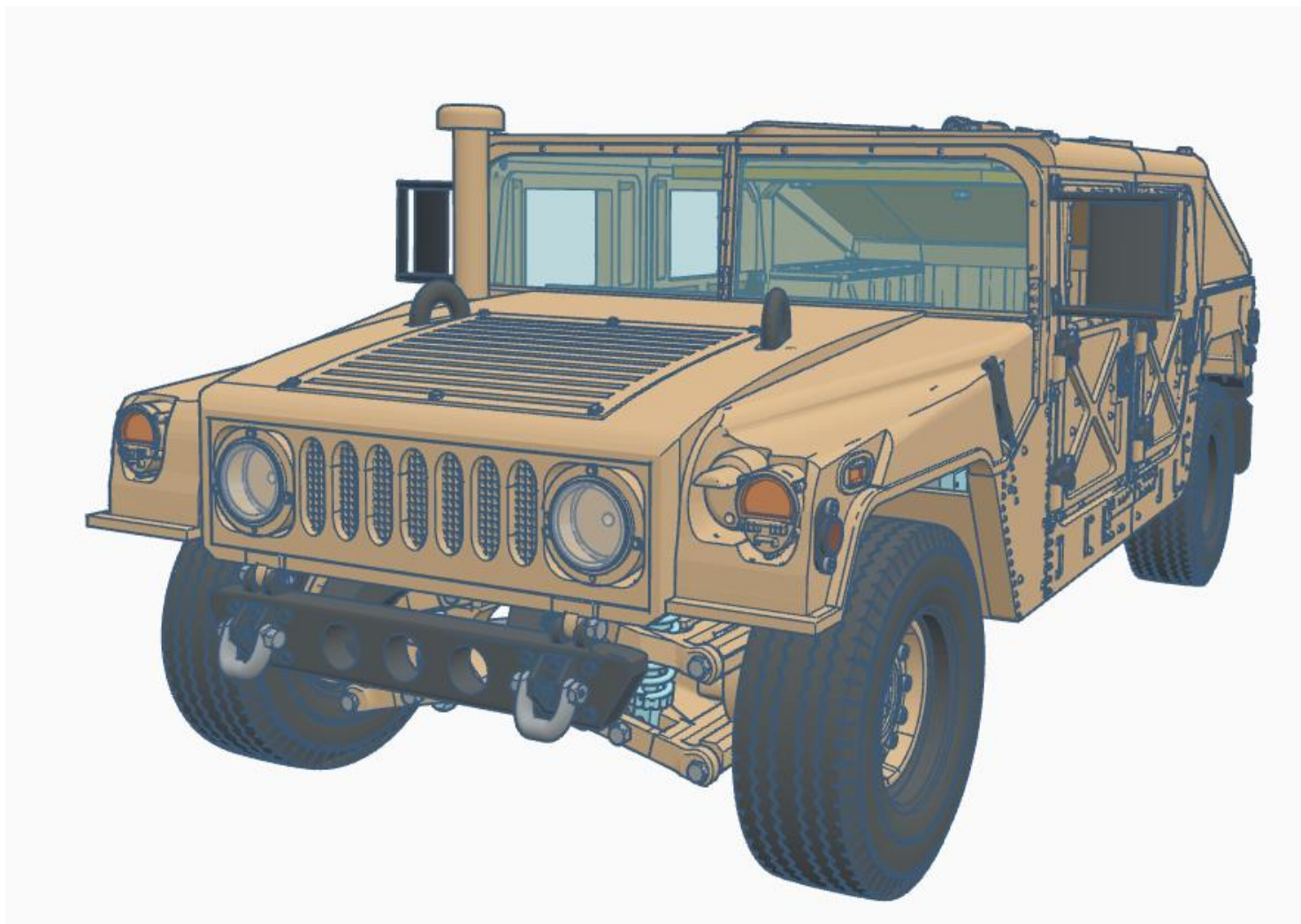


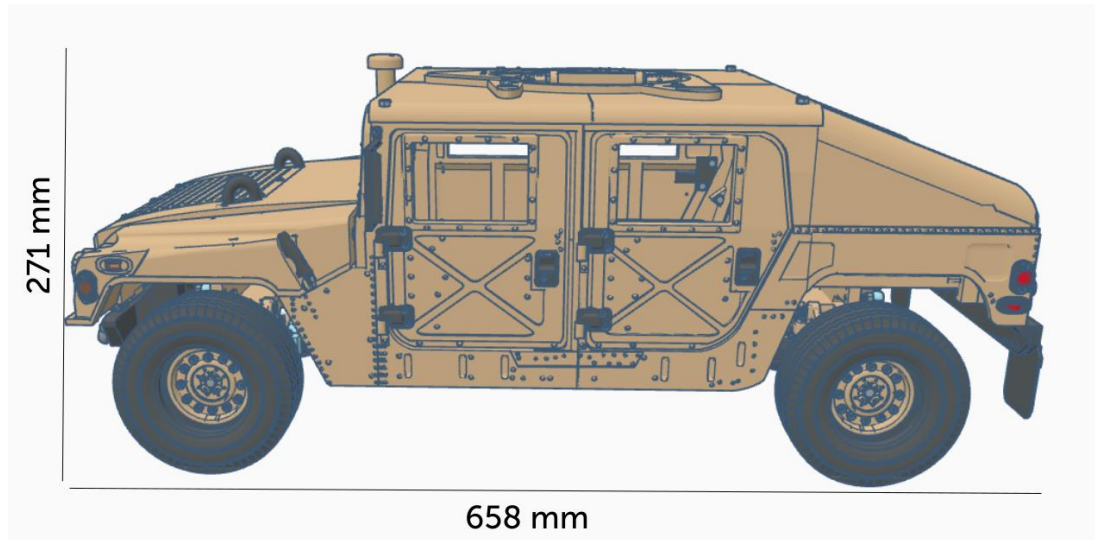
AM General HMMWV

by Tamimi Team



The project is inspired by the most famous US military vehicle – AM GENERAL HMMWV „Humvee“.

We love cars and RC models so we decided to make a model of this military vehicle. It's mostly 3d printed, you need to buy just a few things such as motor, esc, battery, receiver, some M3, M4 and M2 screws, a few bearings, tires, RC shocks, RC dog bone and aluminum profile 10x10mm. Shopping list is included within download bundle. RC model has lots of details, is all-time 4 wheel drive, with openable door including lock, hatch, deck, engine cover etc...



Parameters

Length: 658 mm
Width: 285/376 mm
Height: 271 mm

Requirements

Printing is very simple, requires FDM 3d printer with min. build volume of. 210X210xZ-200mm, default 0,4mm nozzle, slicer software such as Simplify3D(recommended) CURA or any favourite software. You will need basic PLA, nylon, PETG or 100% infill PLA is recommended for drivetrain, gears and transmission (we used nylon), optional is transparent PLA for lights. You'll also need screwdrivers, superglue and for final assembly M3 drill (basic lithium battery screwdriver with M3 drill bit work well).

Print settings

There are two folders, first named SIMPLIFY3D with simplify3d factory file containing all the setting you need. Layouts on heatbed, processes etc. **Always adjust print setting according to your printer!**

The second folder named BASIC STL contains stl files for any other slicer. For body use 2 or 3 walls, 20% infill. We recommend some parts to be printed from Nylon or PETG (drivetrain, gears, transmission case, shaft connectors and parts connected to RC dog bone). It's possible to print them from PLA with 100% infill – PETG has been tested. **Always adjust print setting for your printer!**

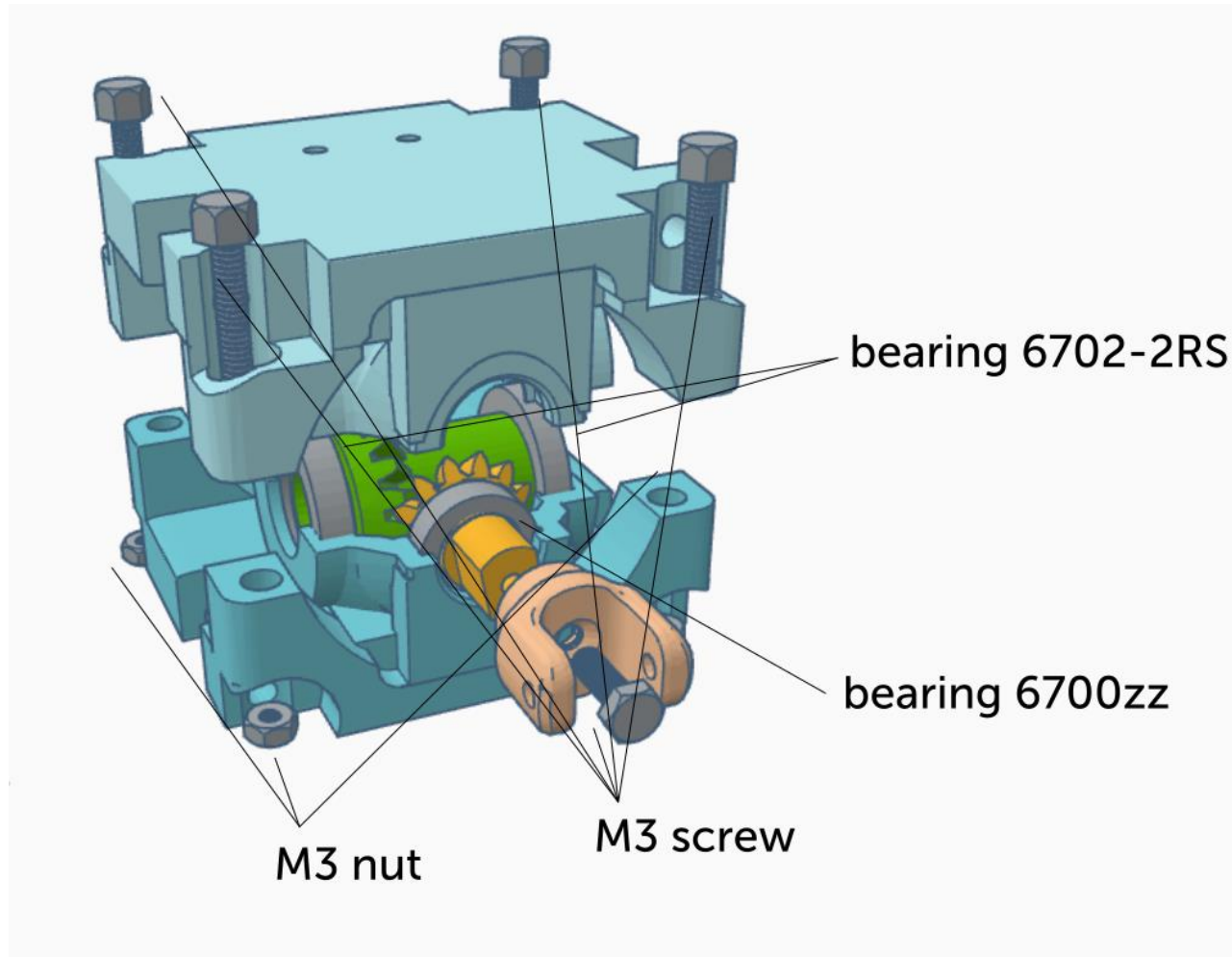
Feel free to use whatever color you like, but we chose colors based on the original vehicle.

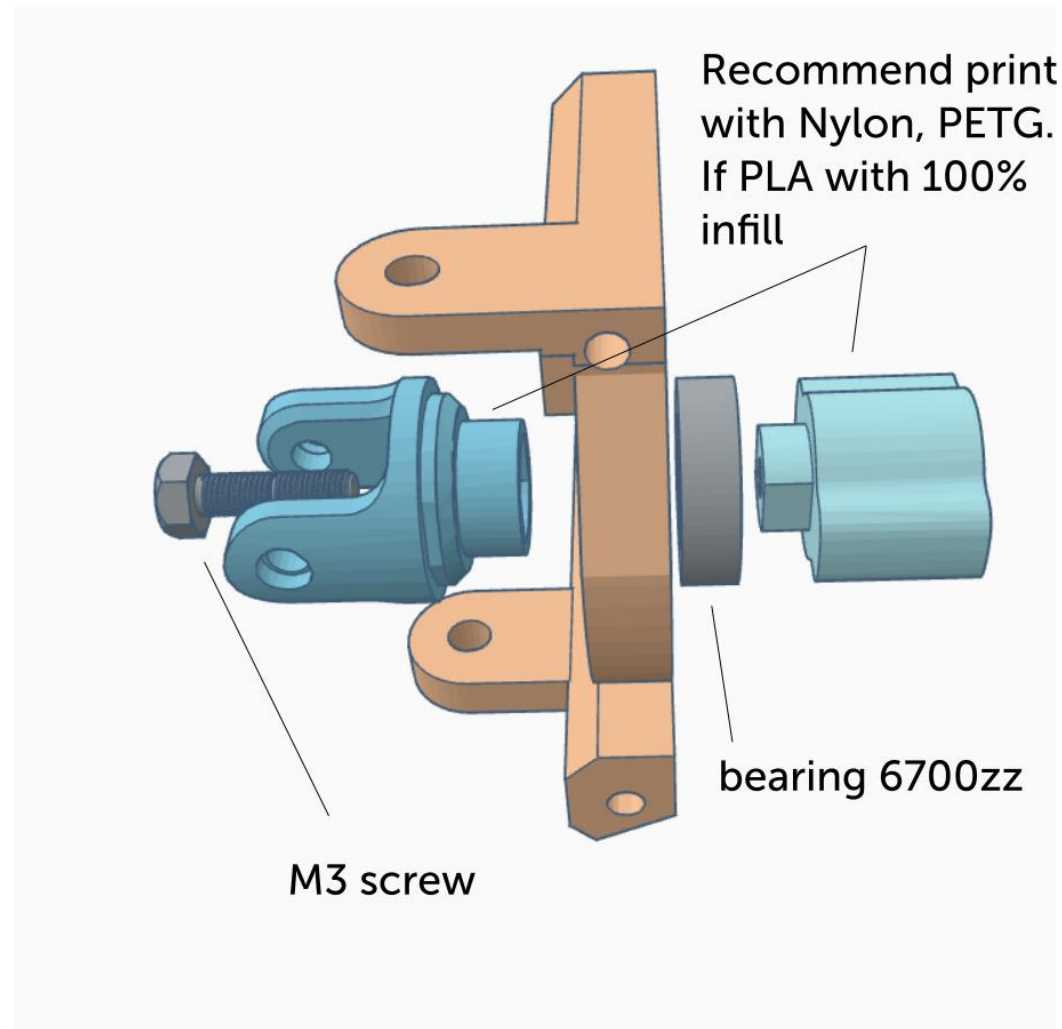
Shopping list

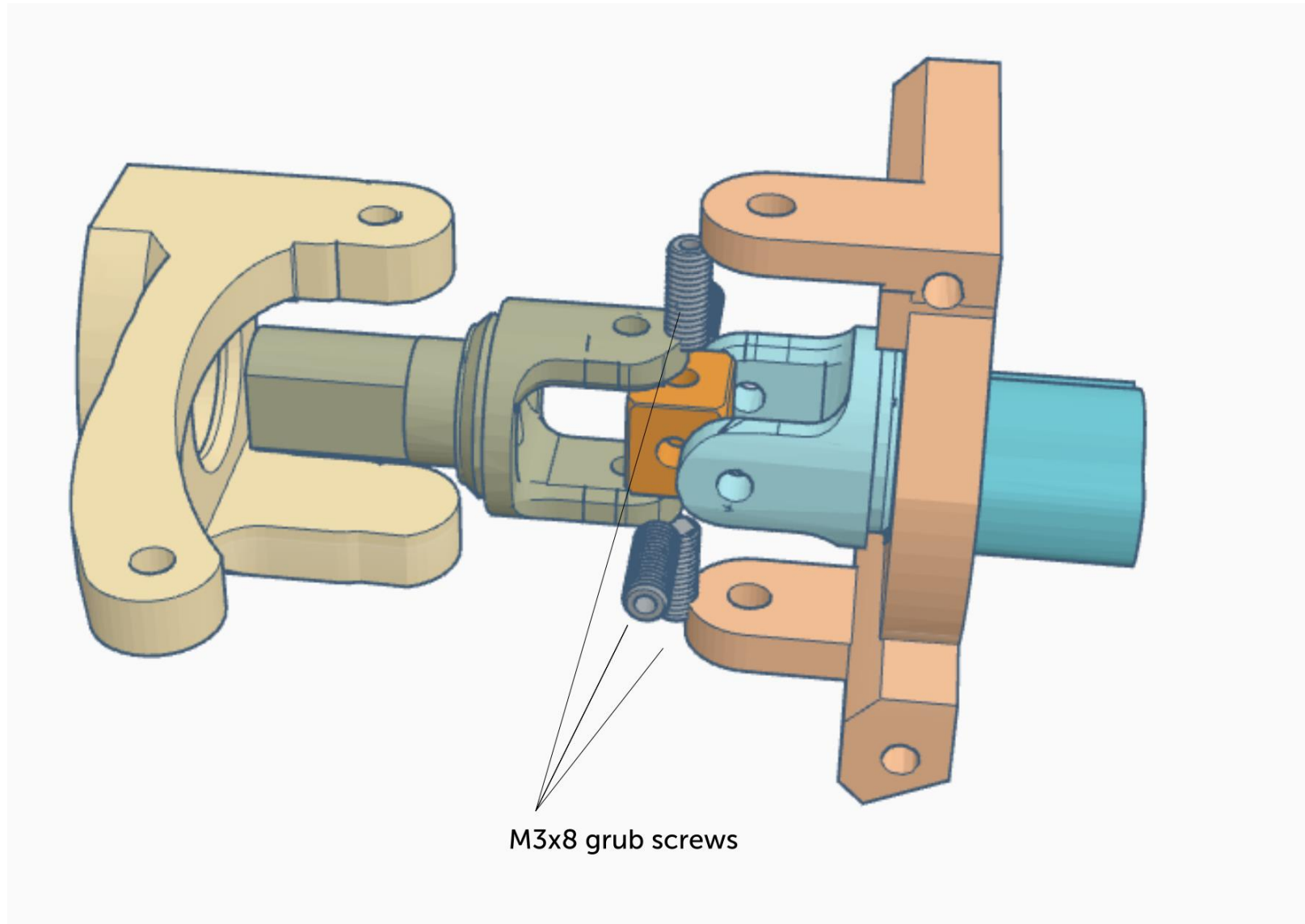
Shopping list is located in main folder, its separated file, not included inside this manual. Please check shopping list before you start printing, make sure you have everything to finish the assembly. Recommended motor and esc works together, if you want to use a different motor with different RPM, you will need to rework complete motor holder and transmission gears. **So lets get printing and don't forget to order stuff on shopping list!**

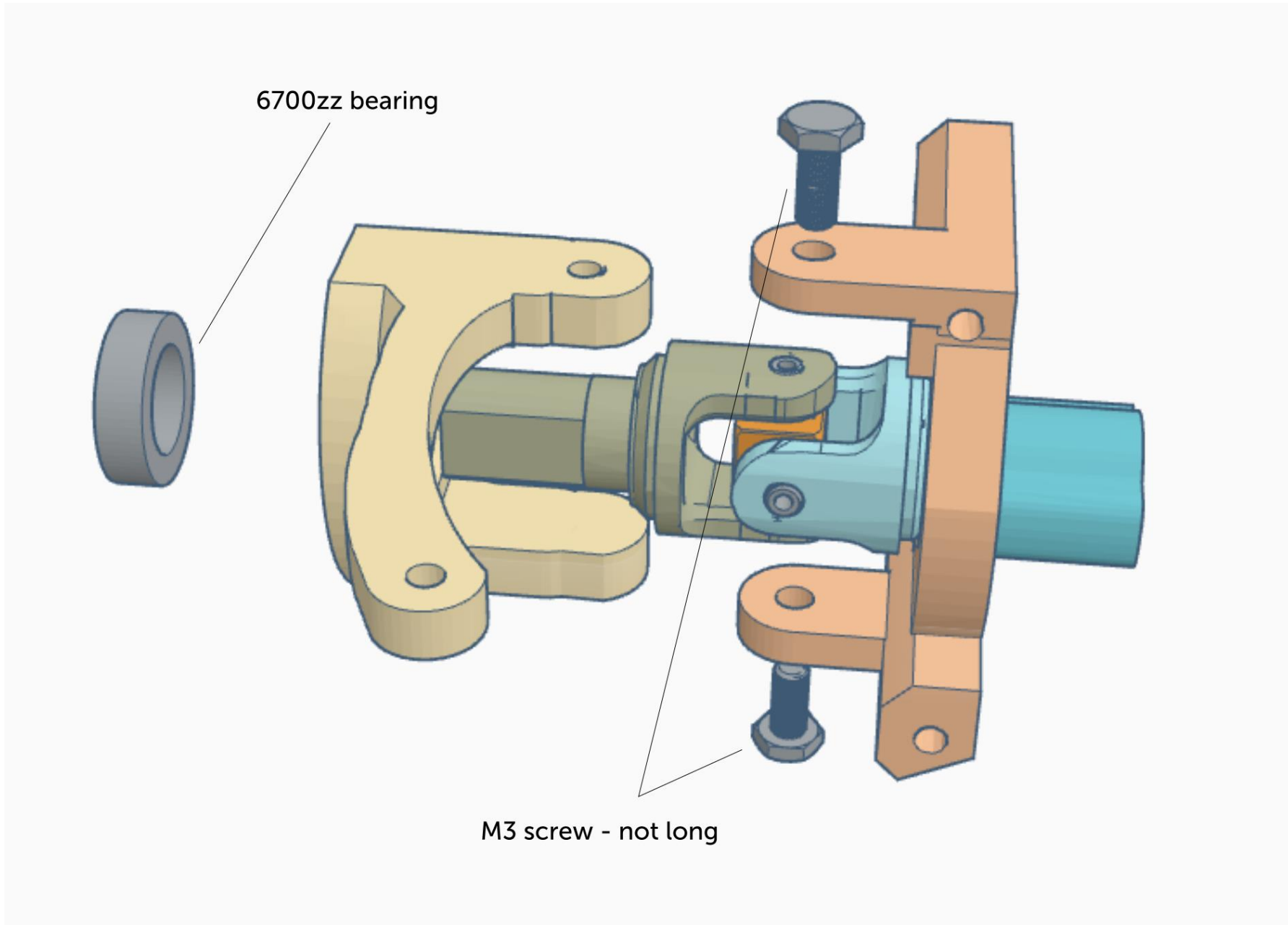
Assembly instructions

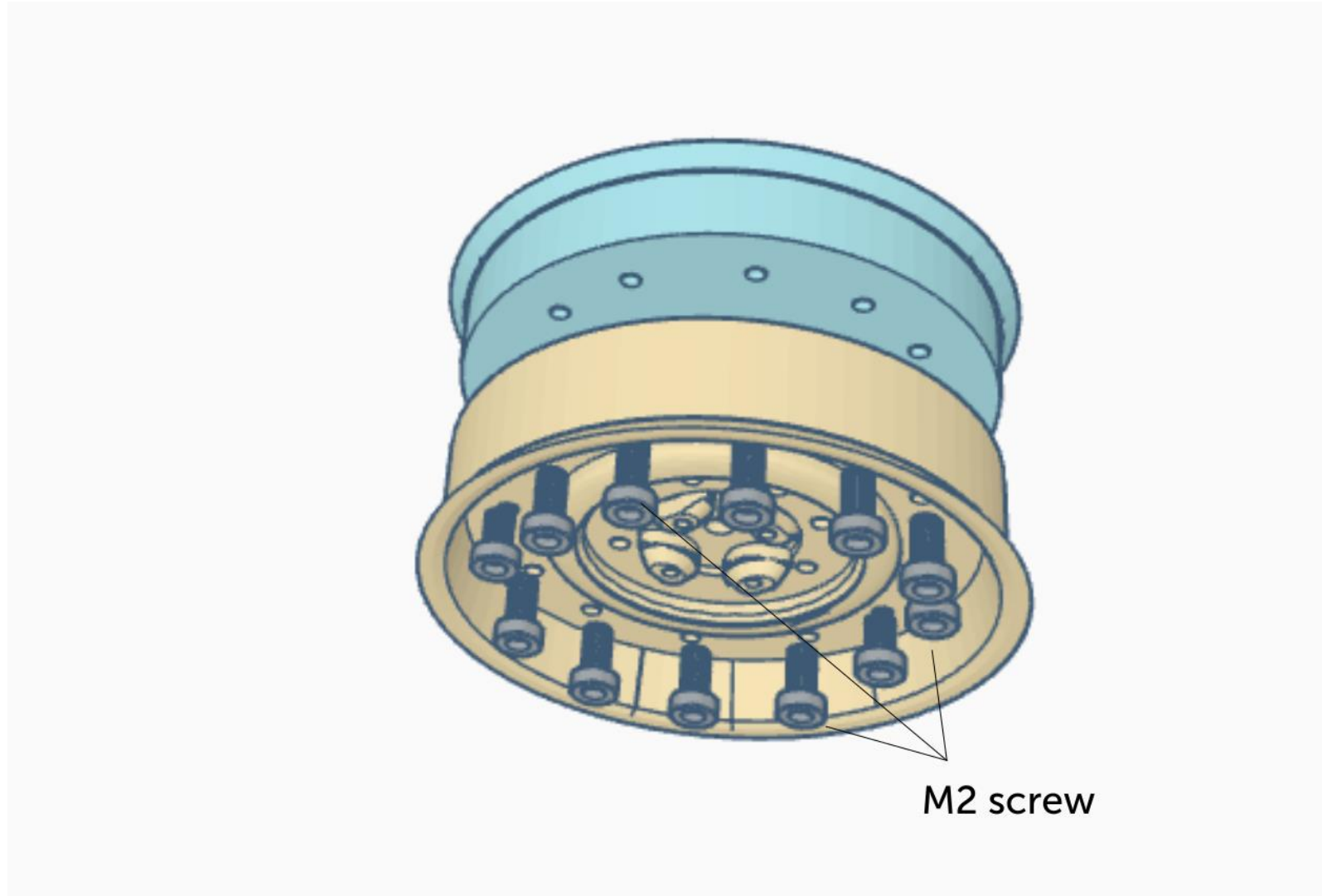
1. Front axle

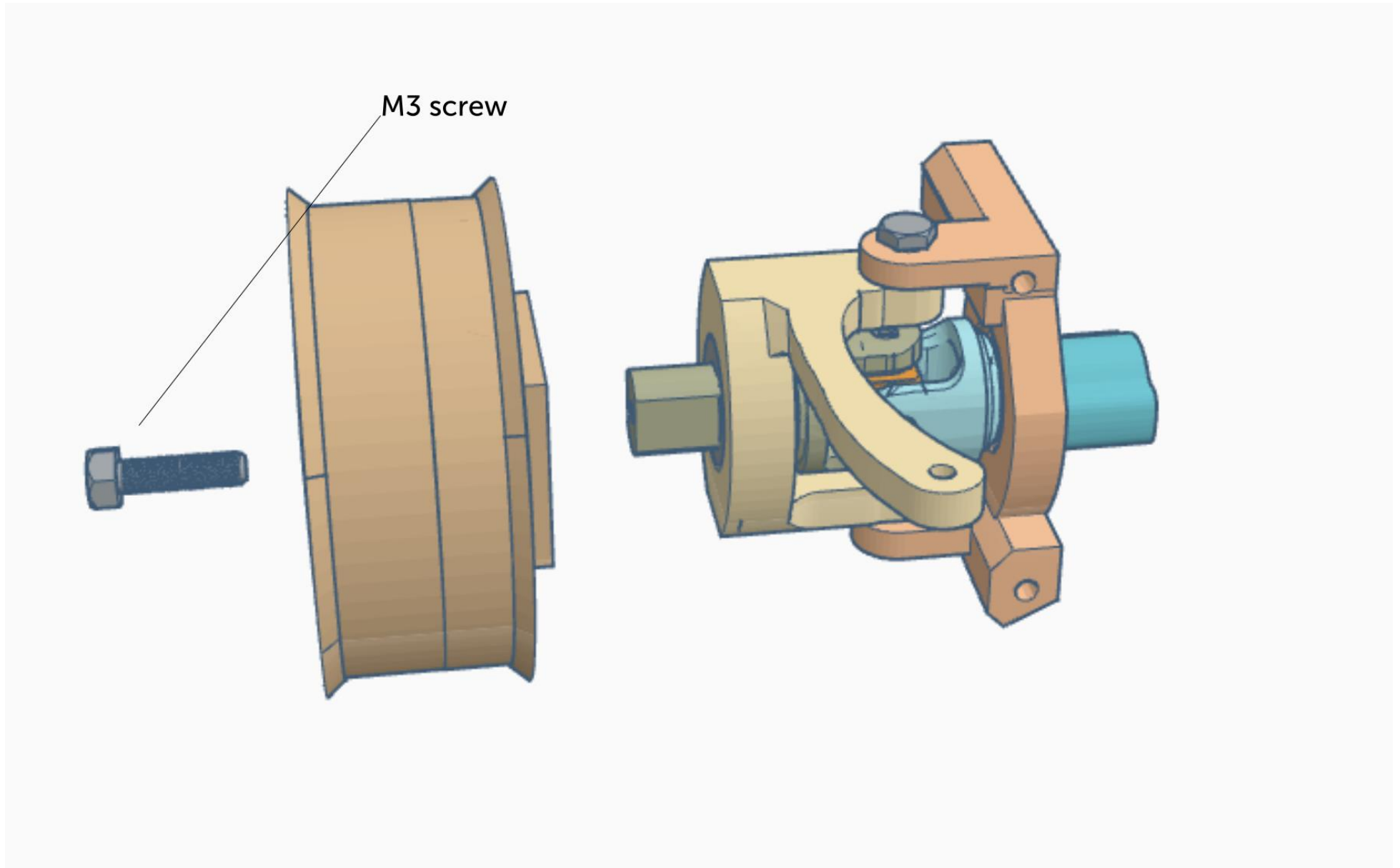




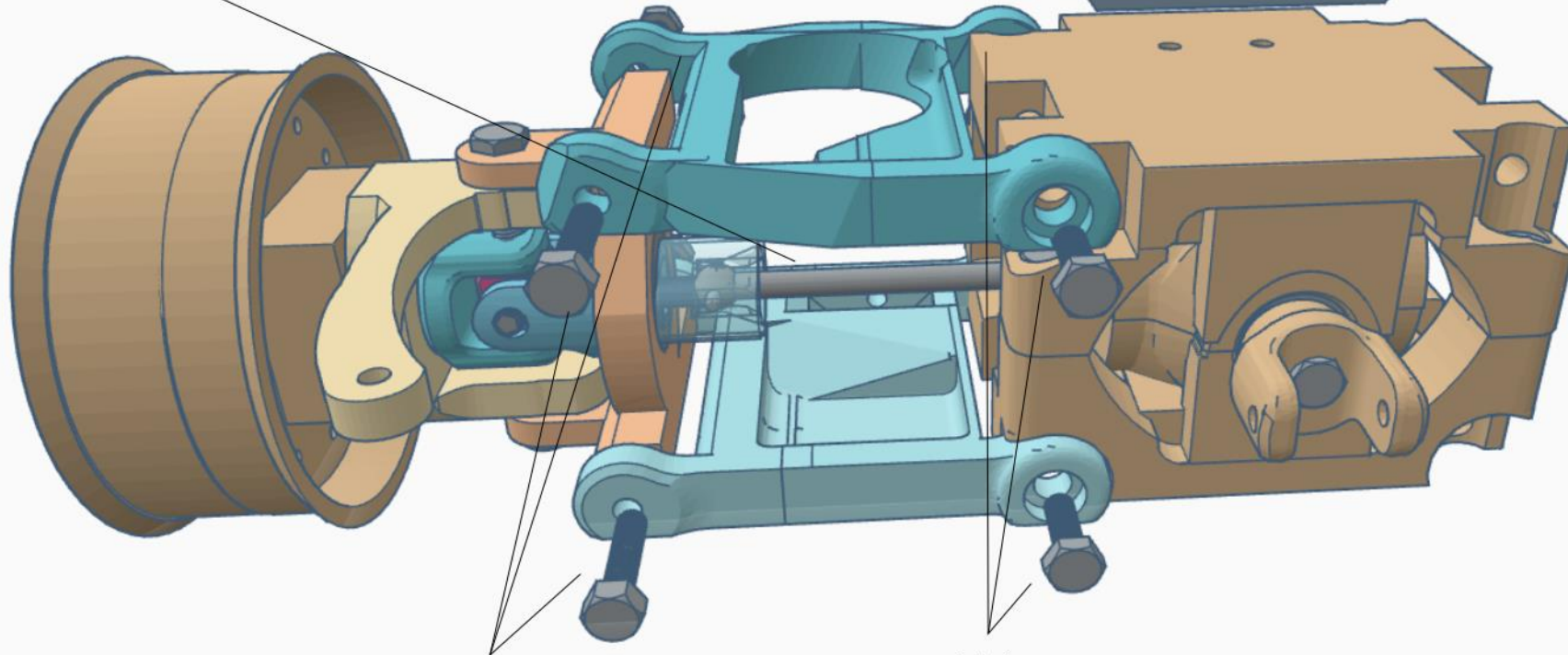






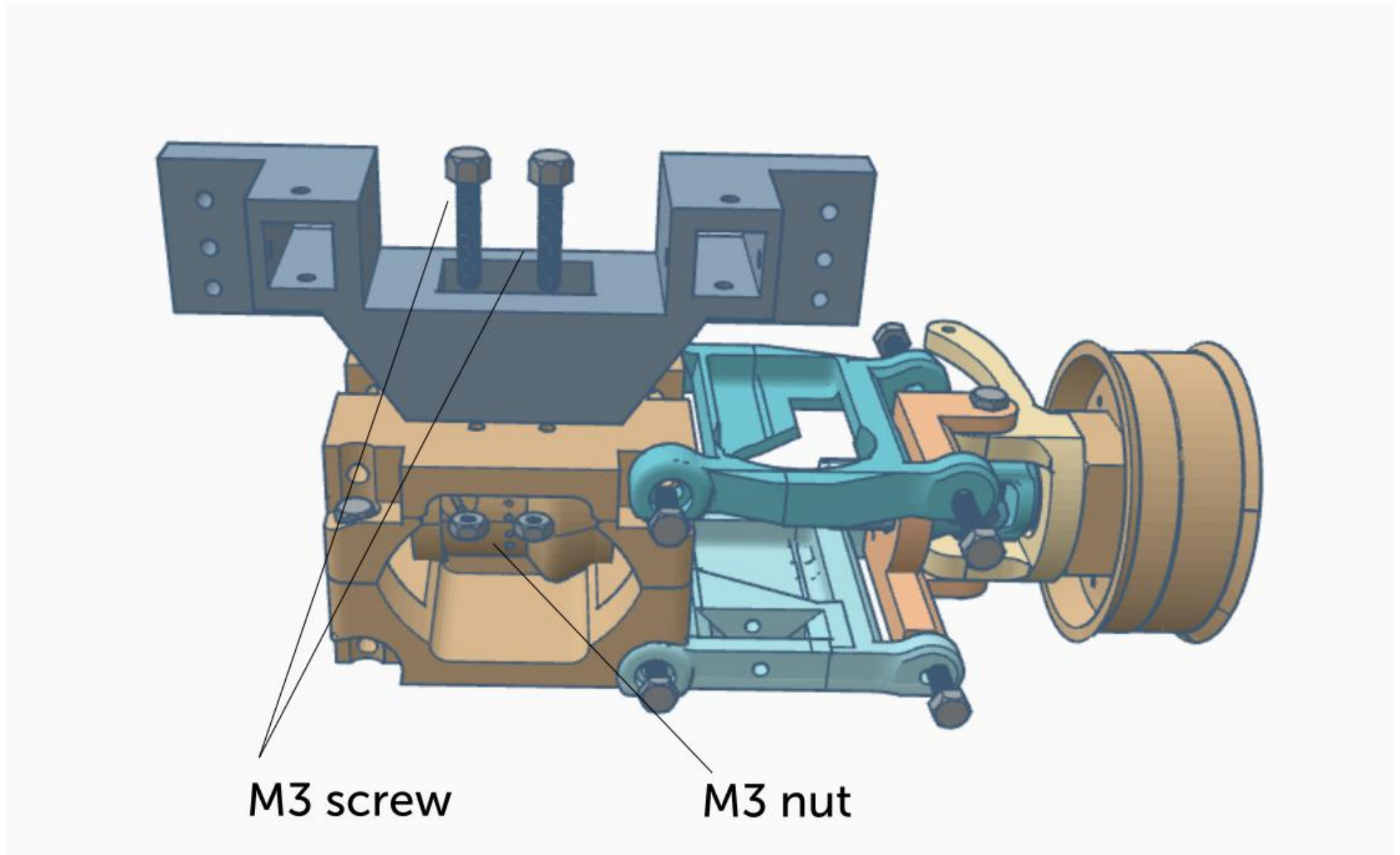


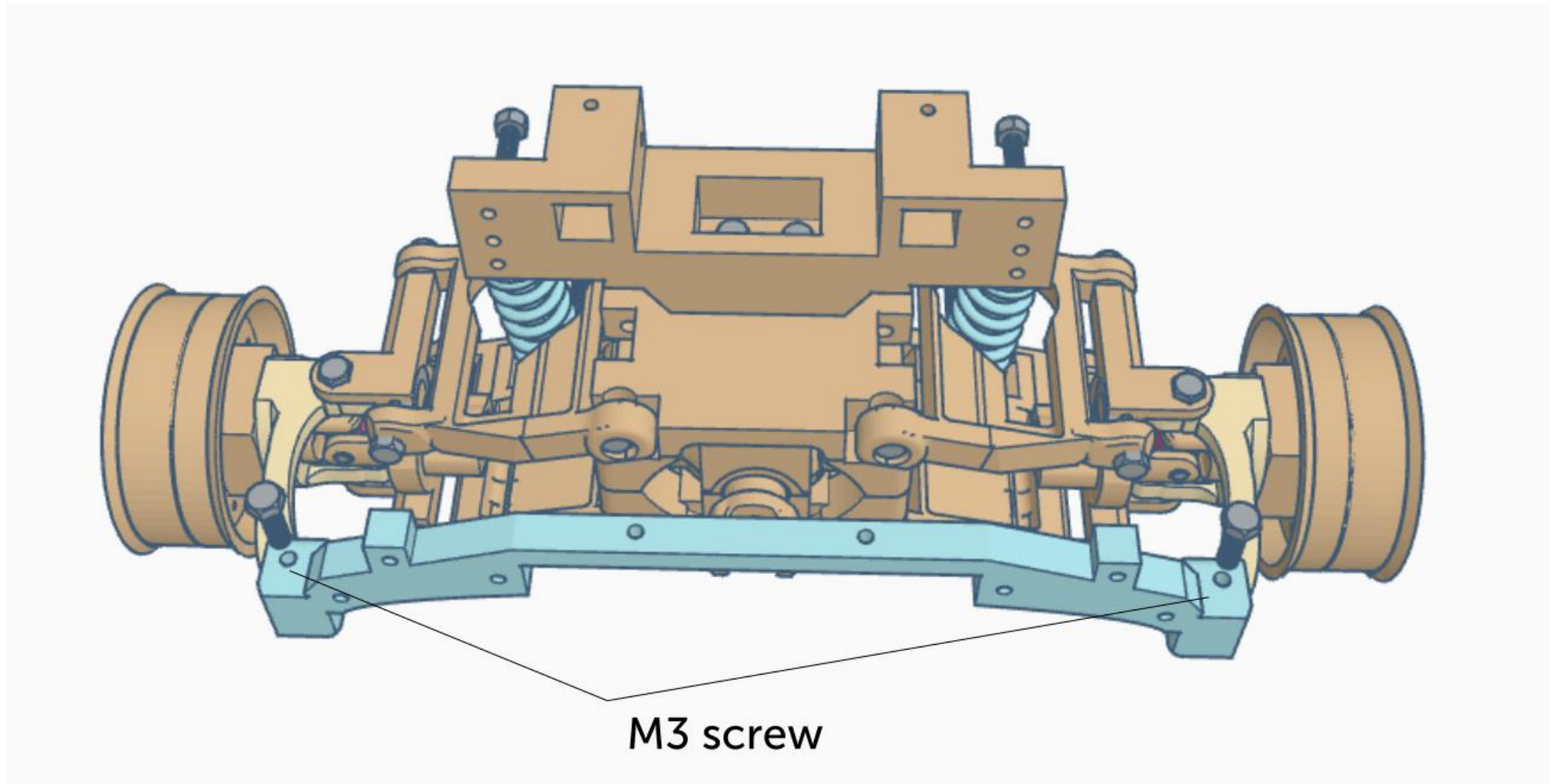
Dog bone for RC car 61 mm

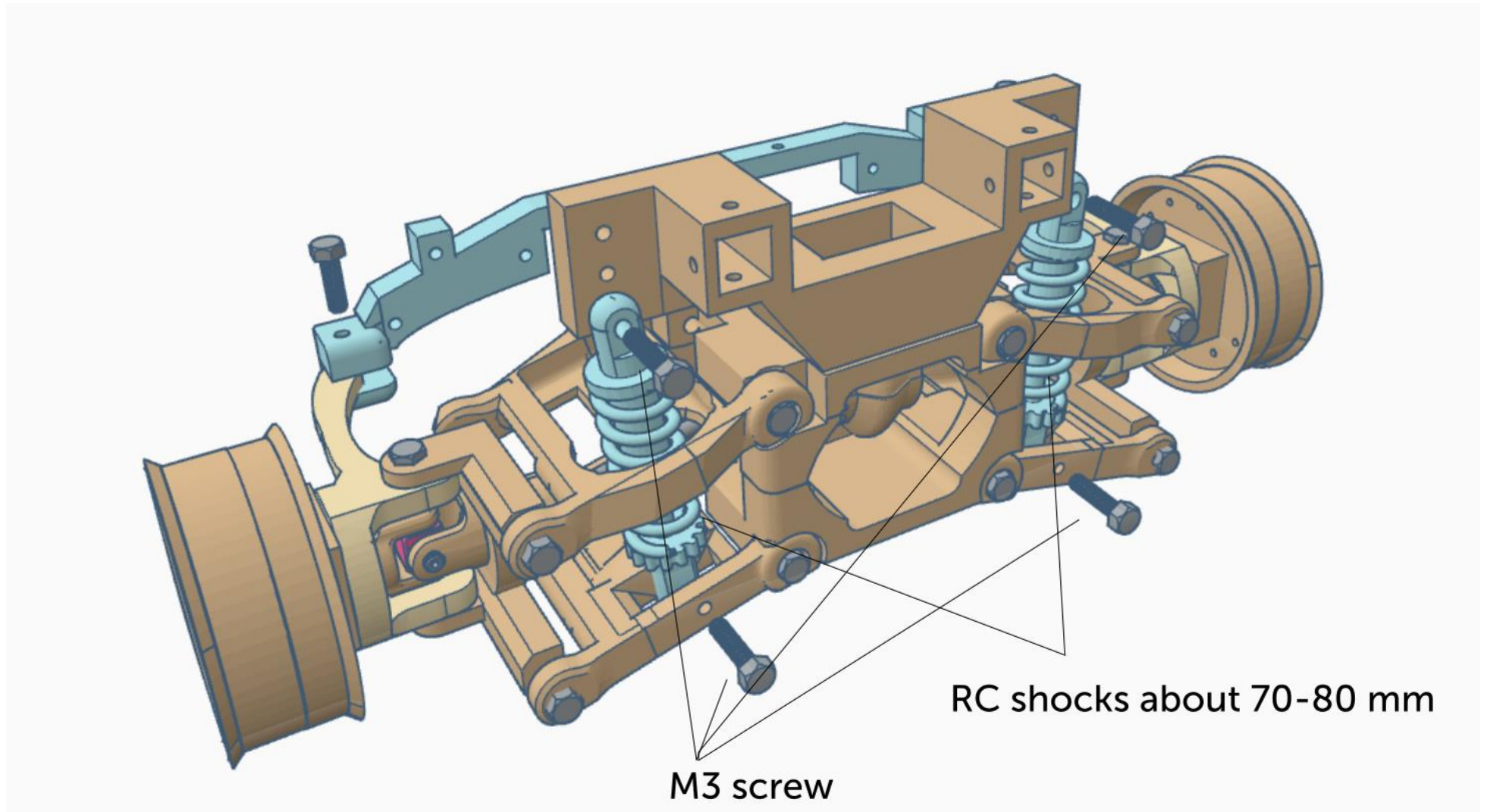


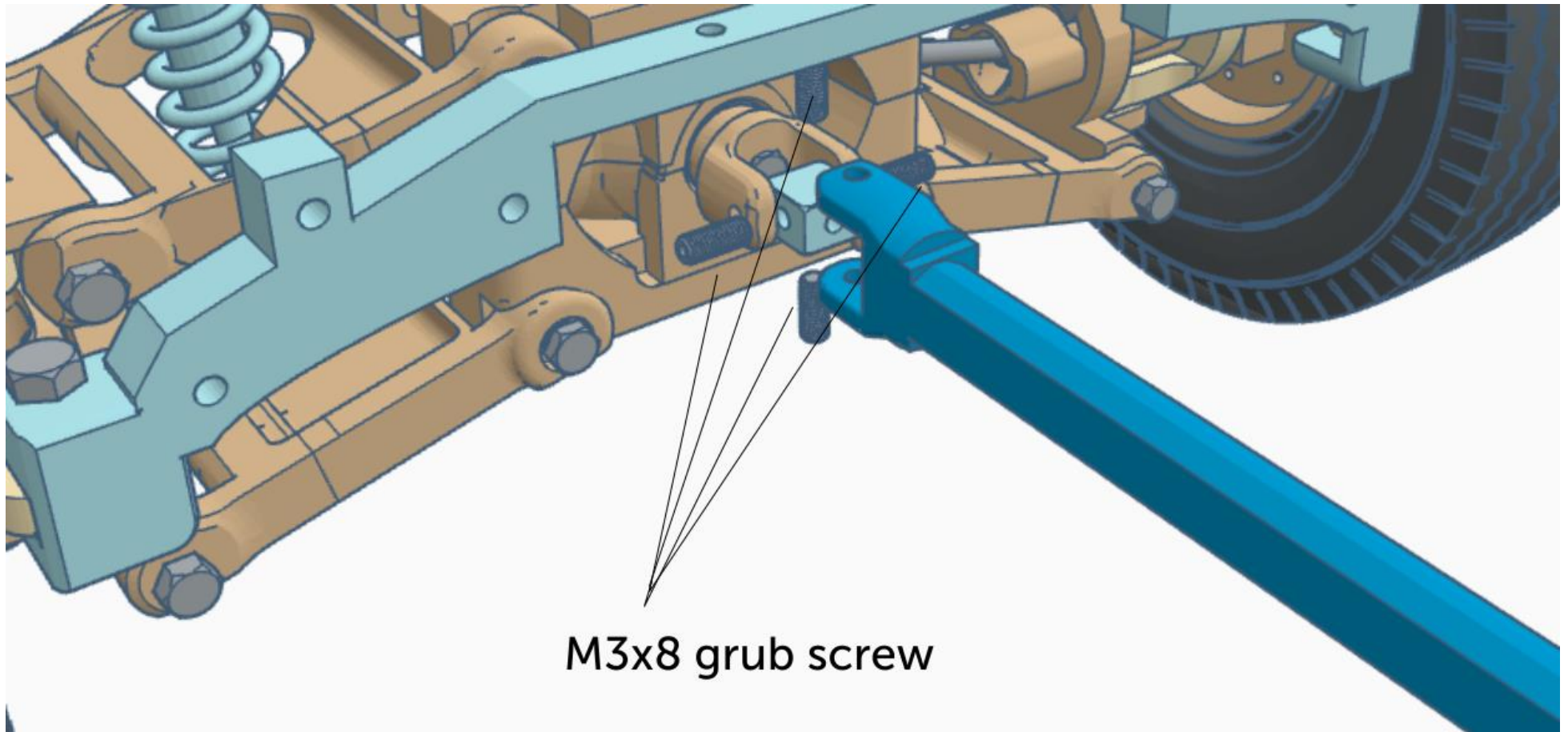
M3 screw

M4 screw

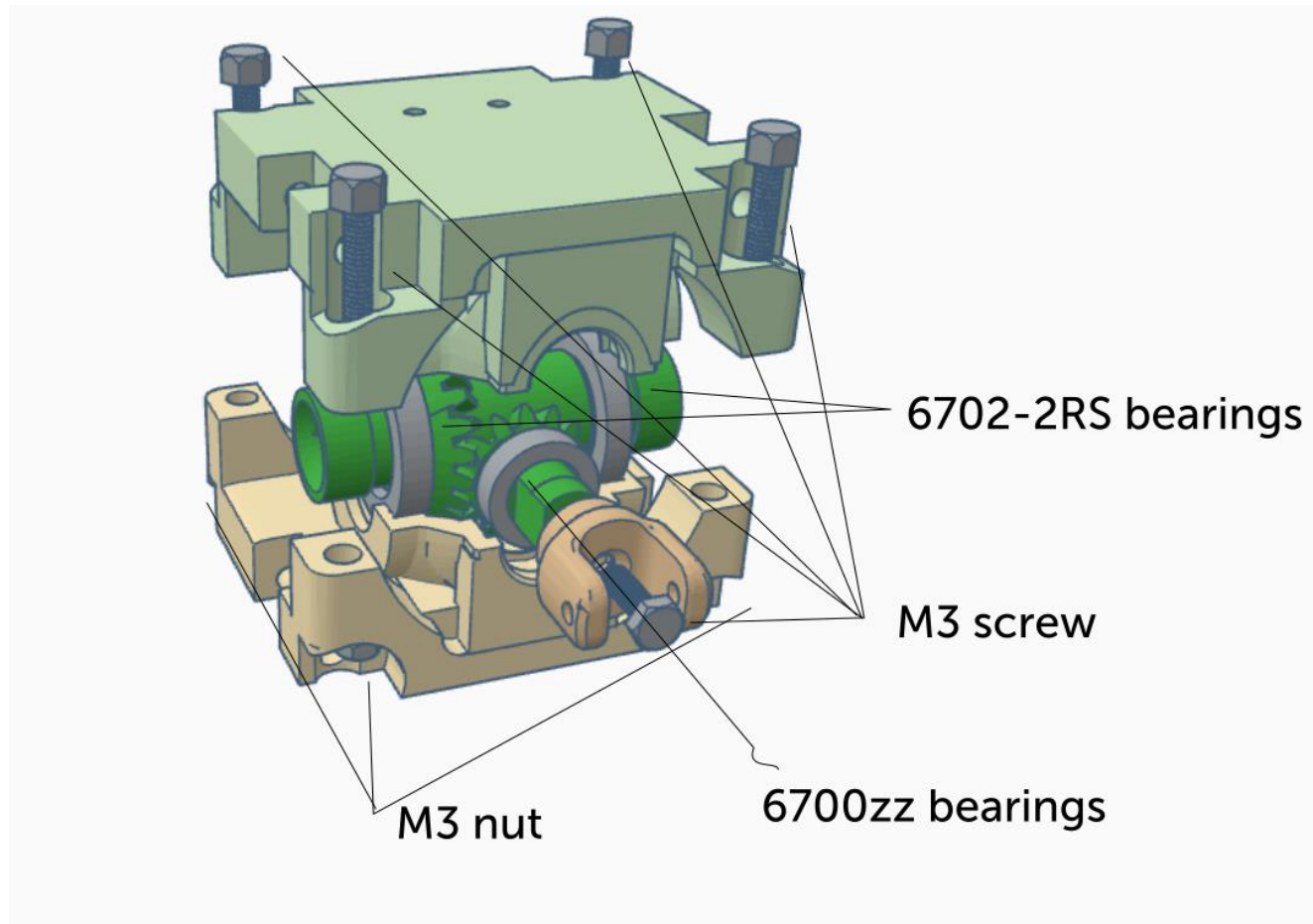


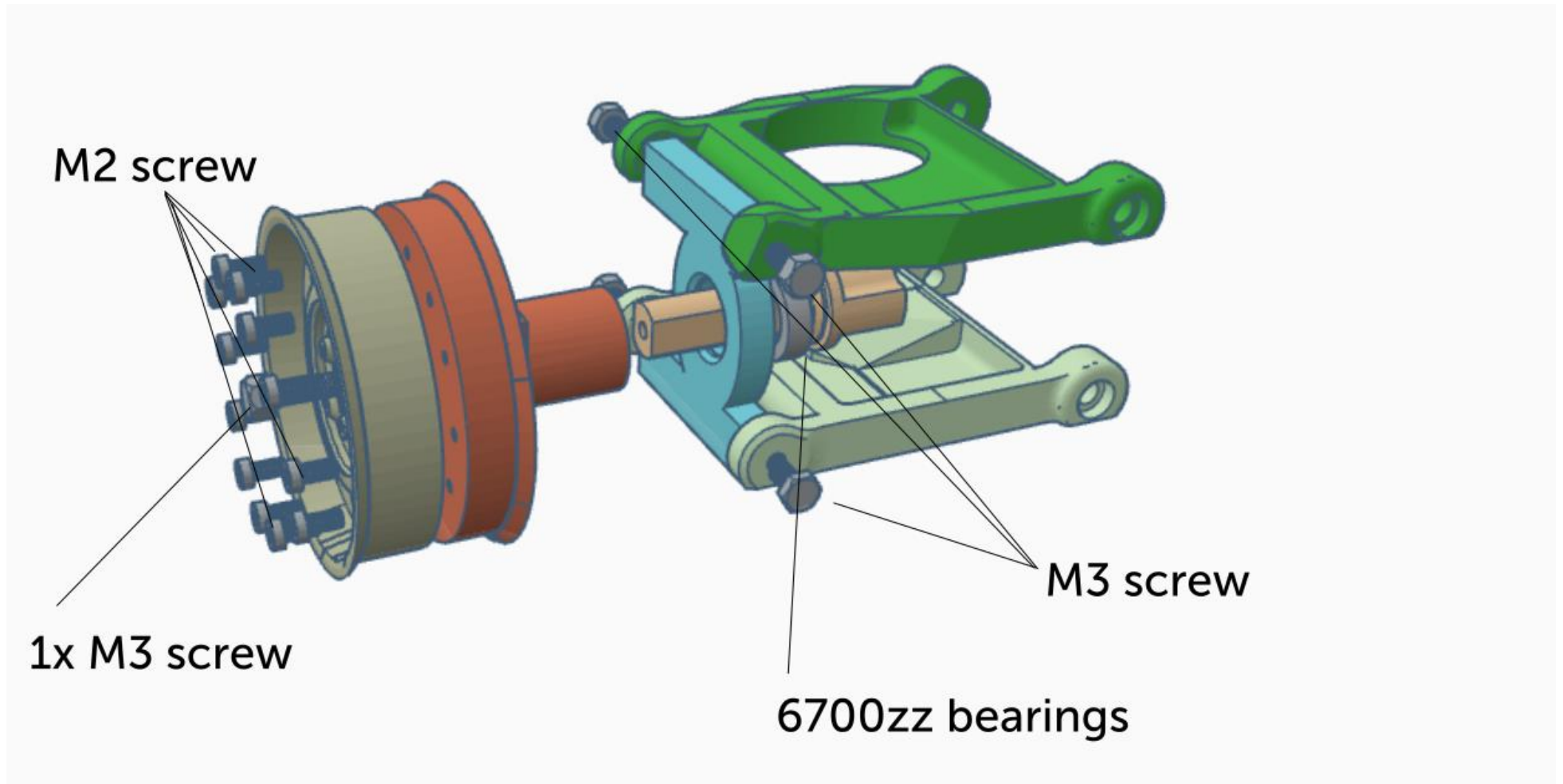


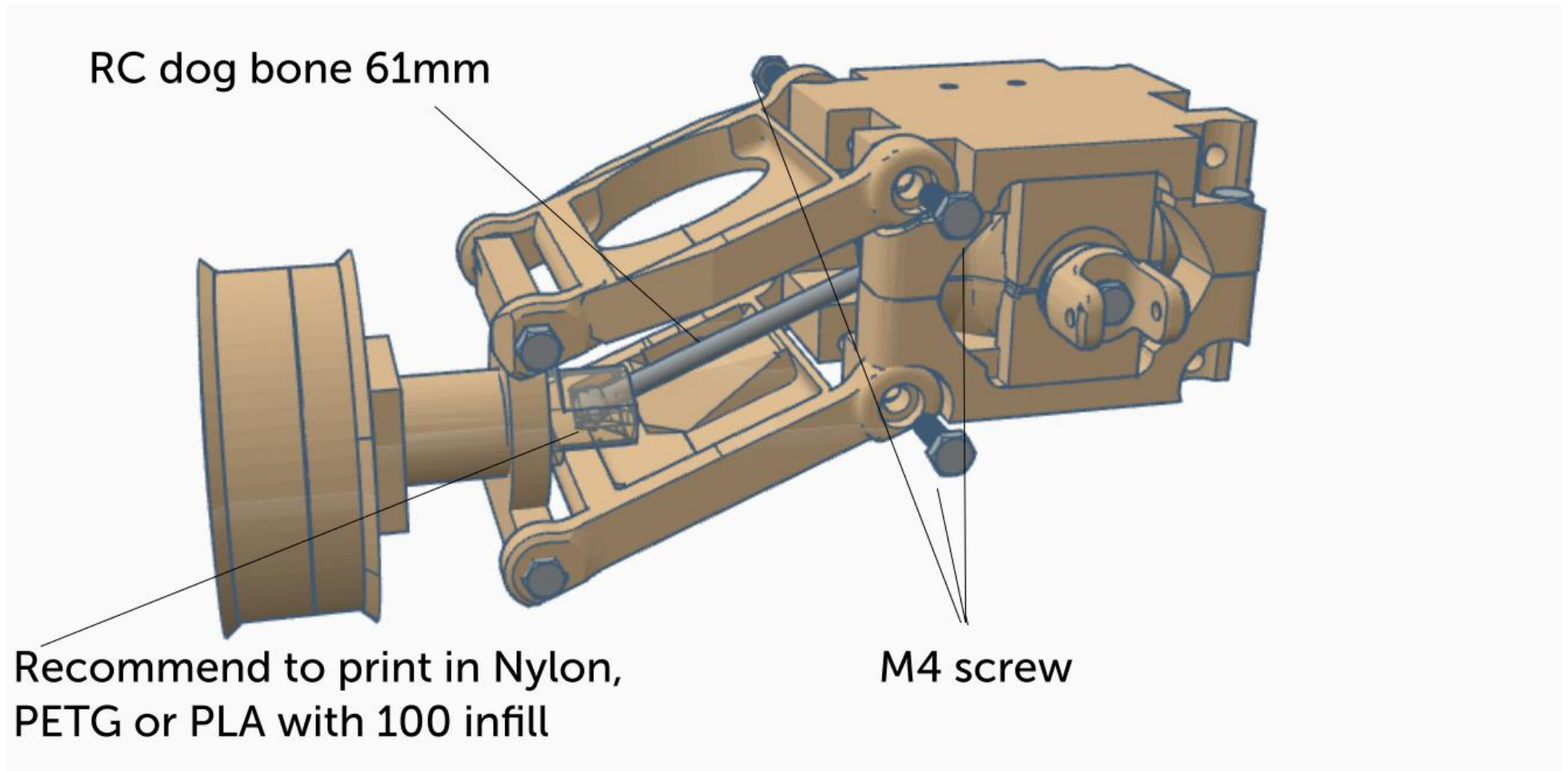




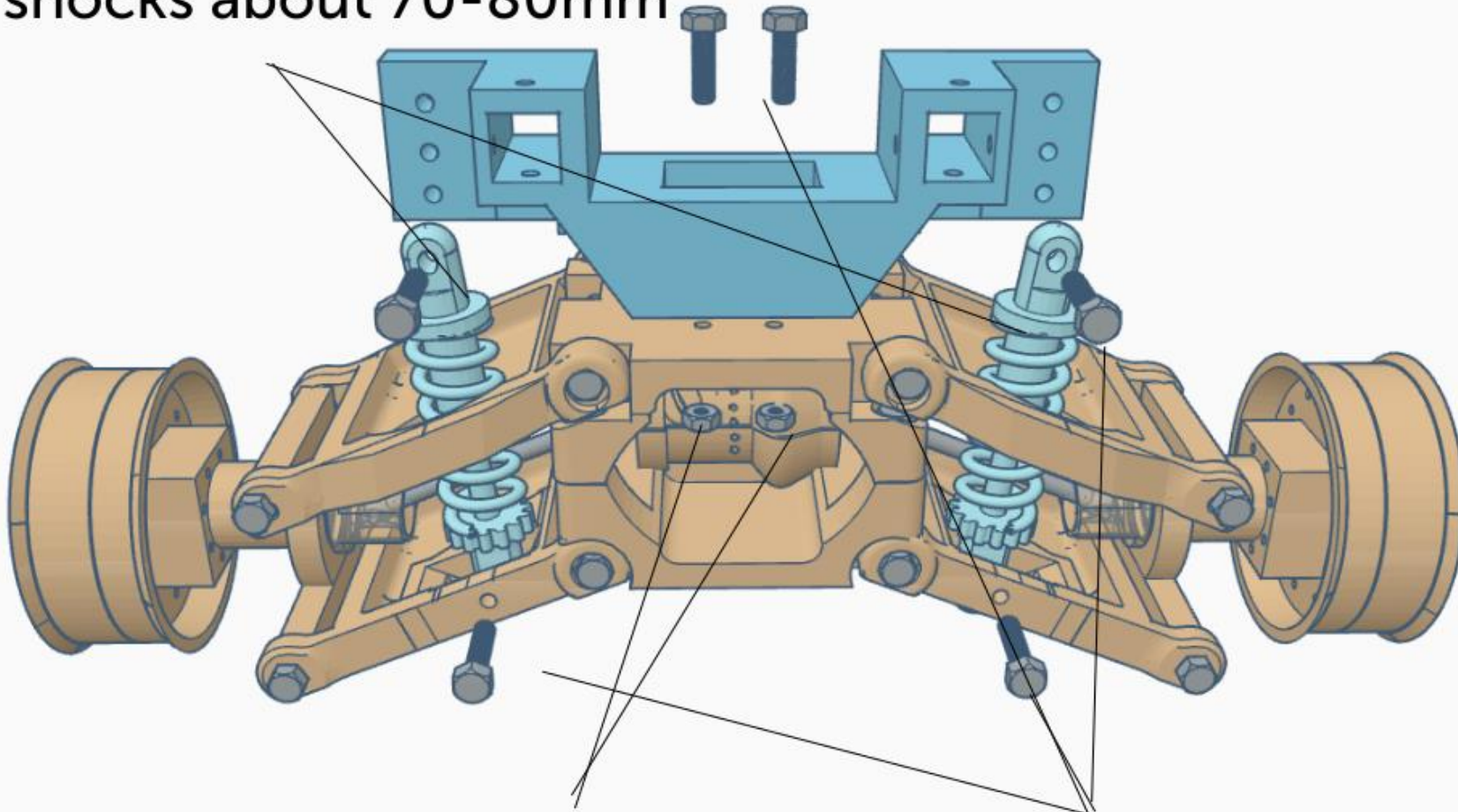
2. Rear axle





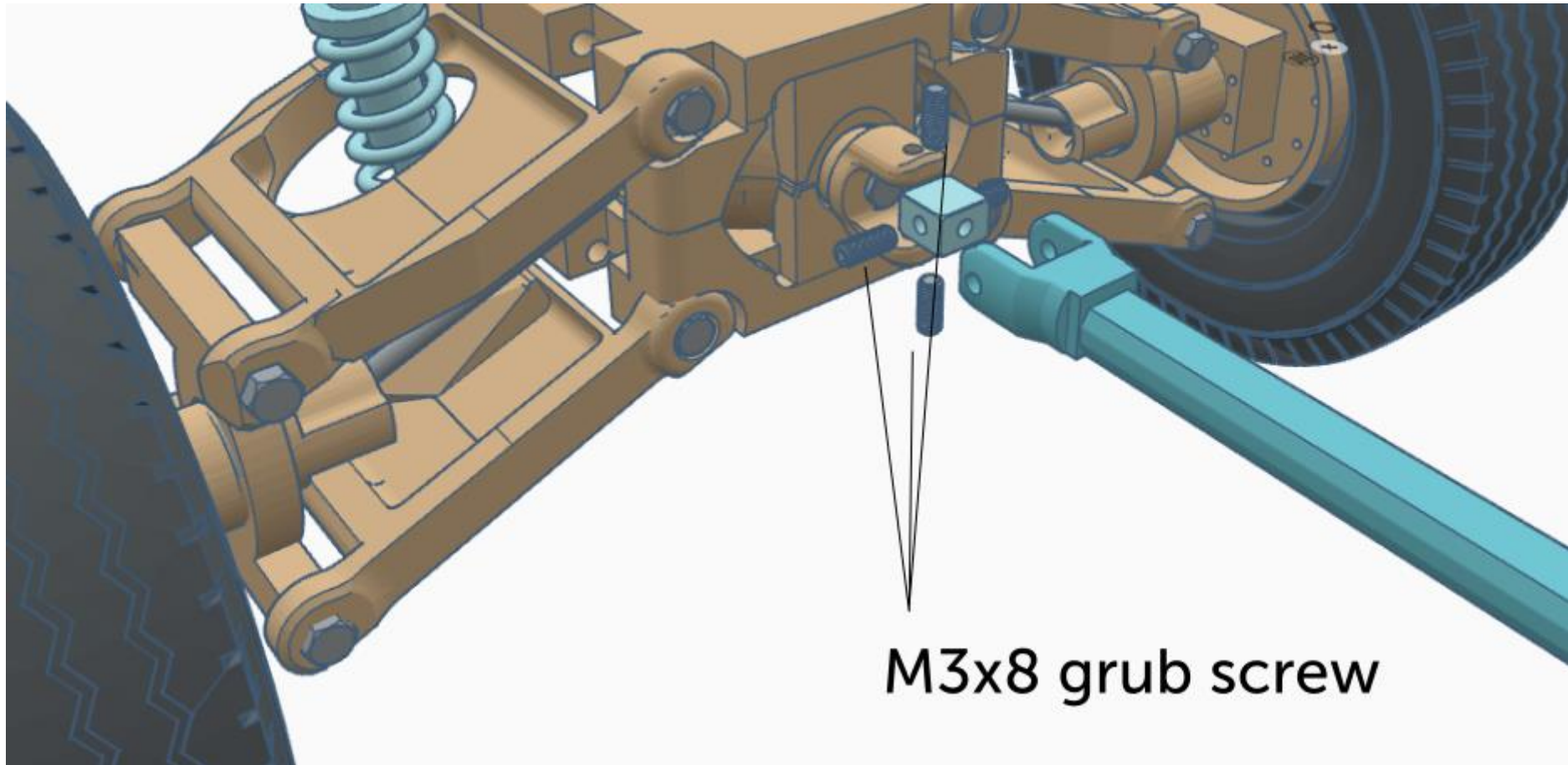


RC shocks about 70-80mm

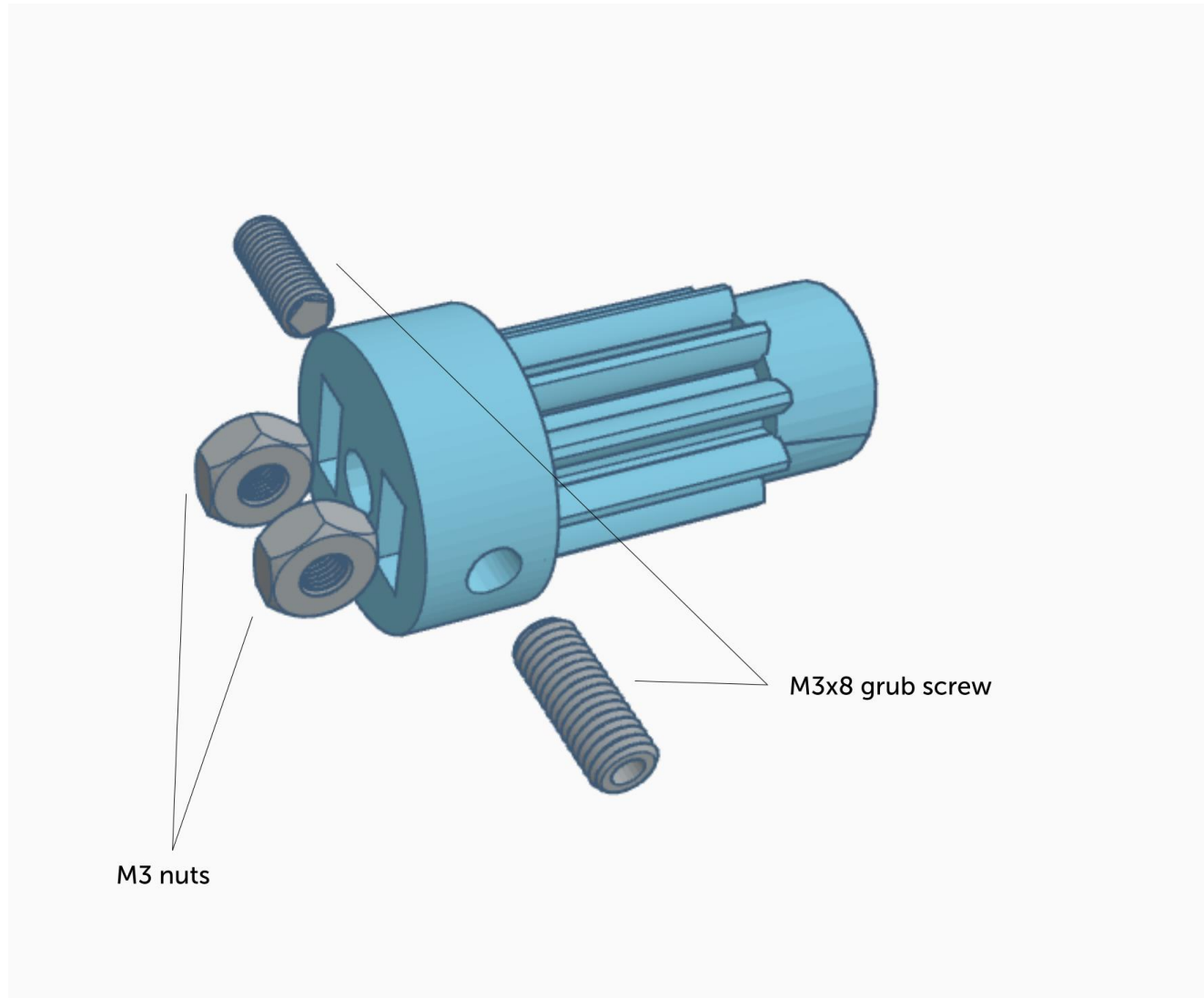


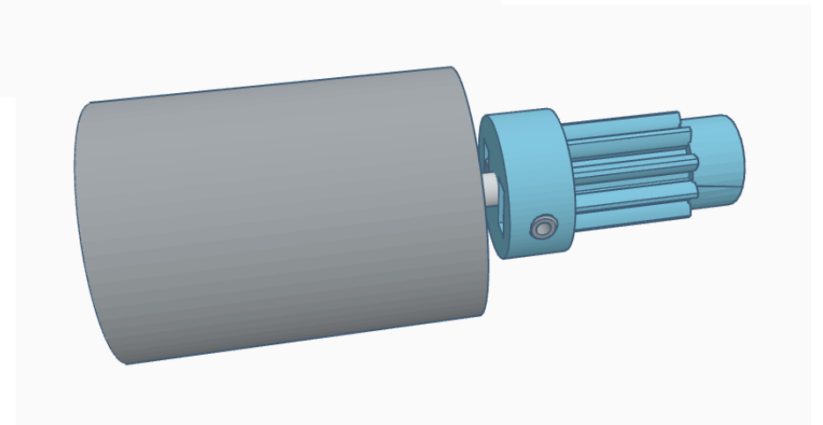
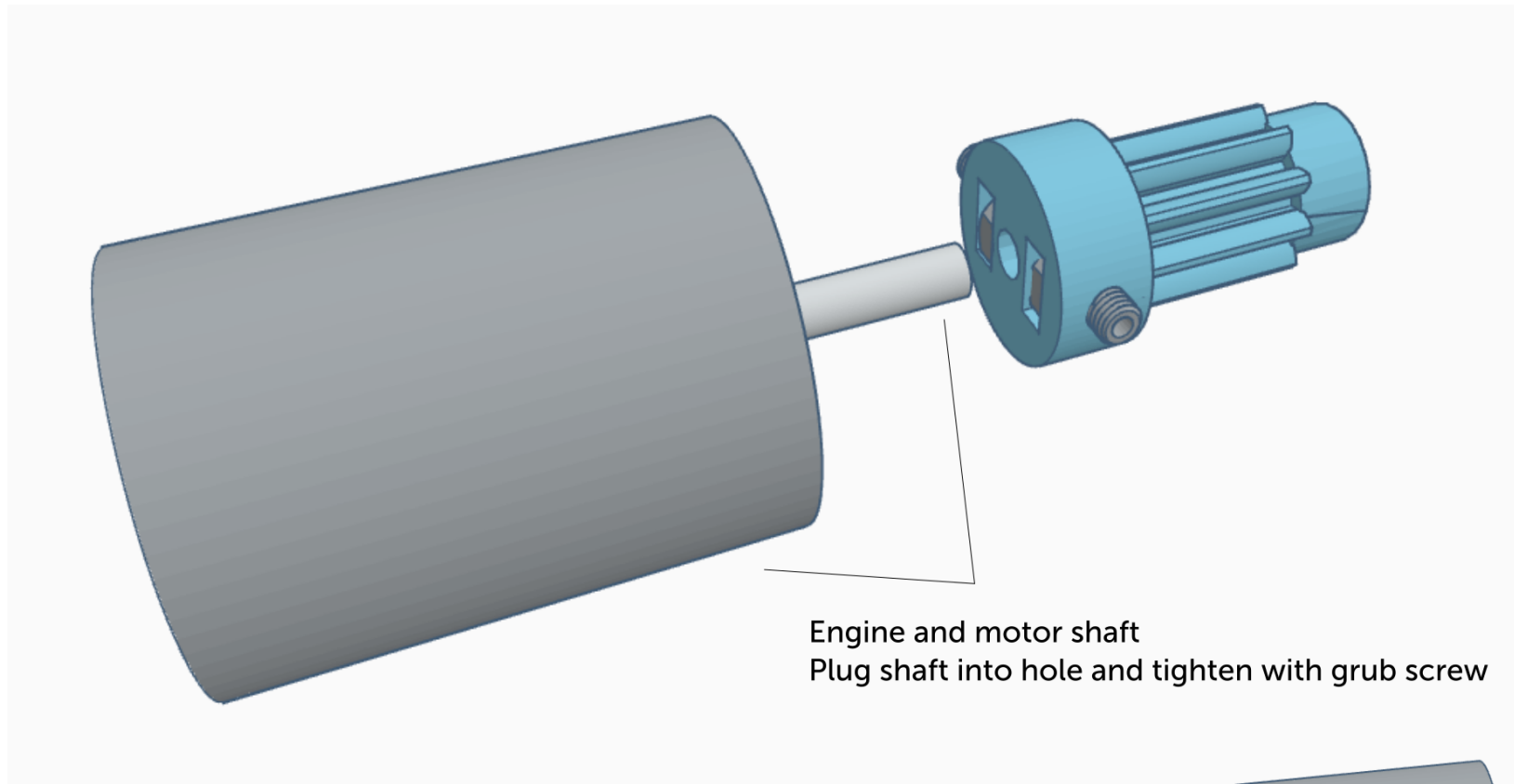
M3 nut

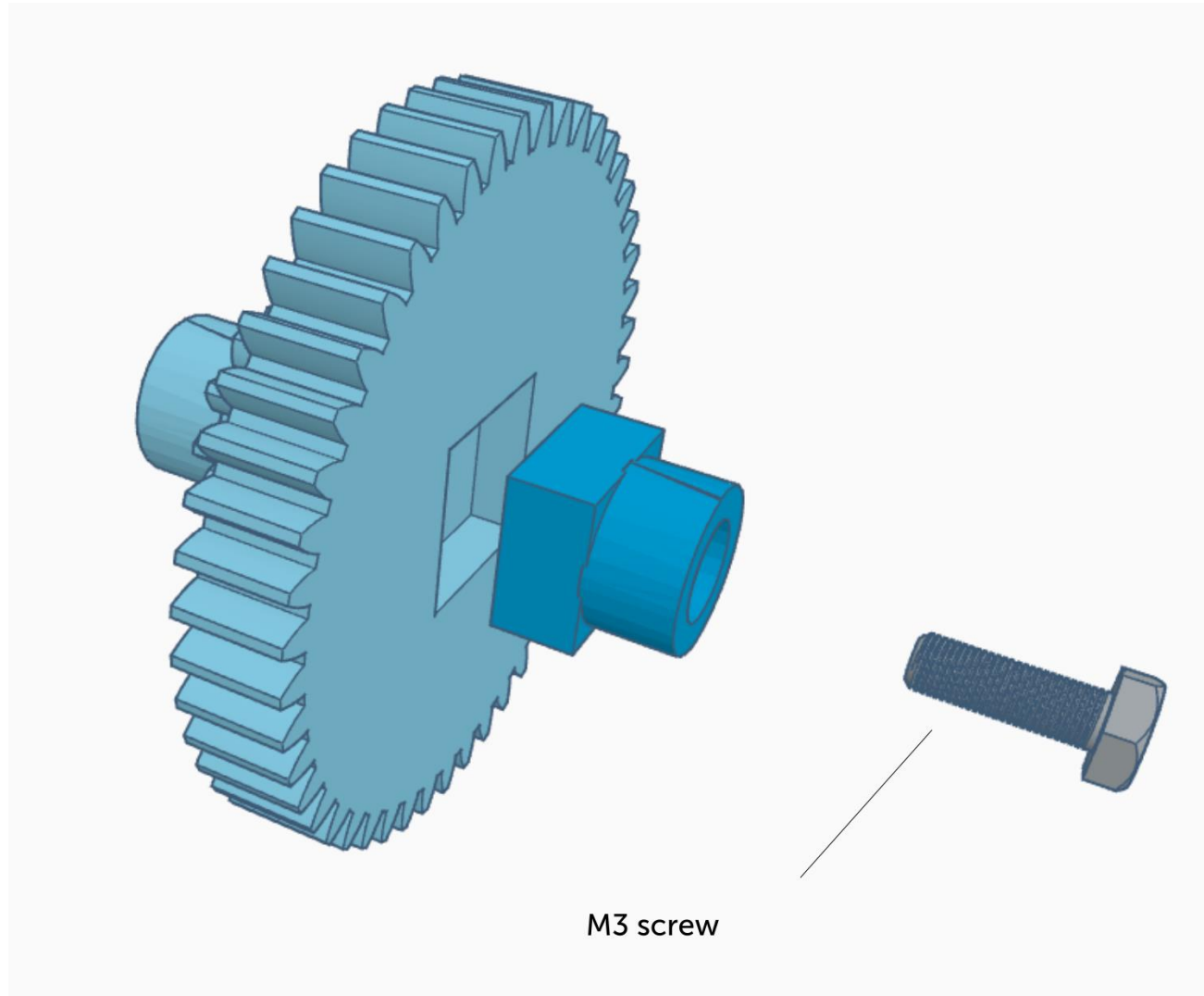
M3 screw

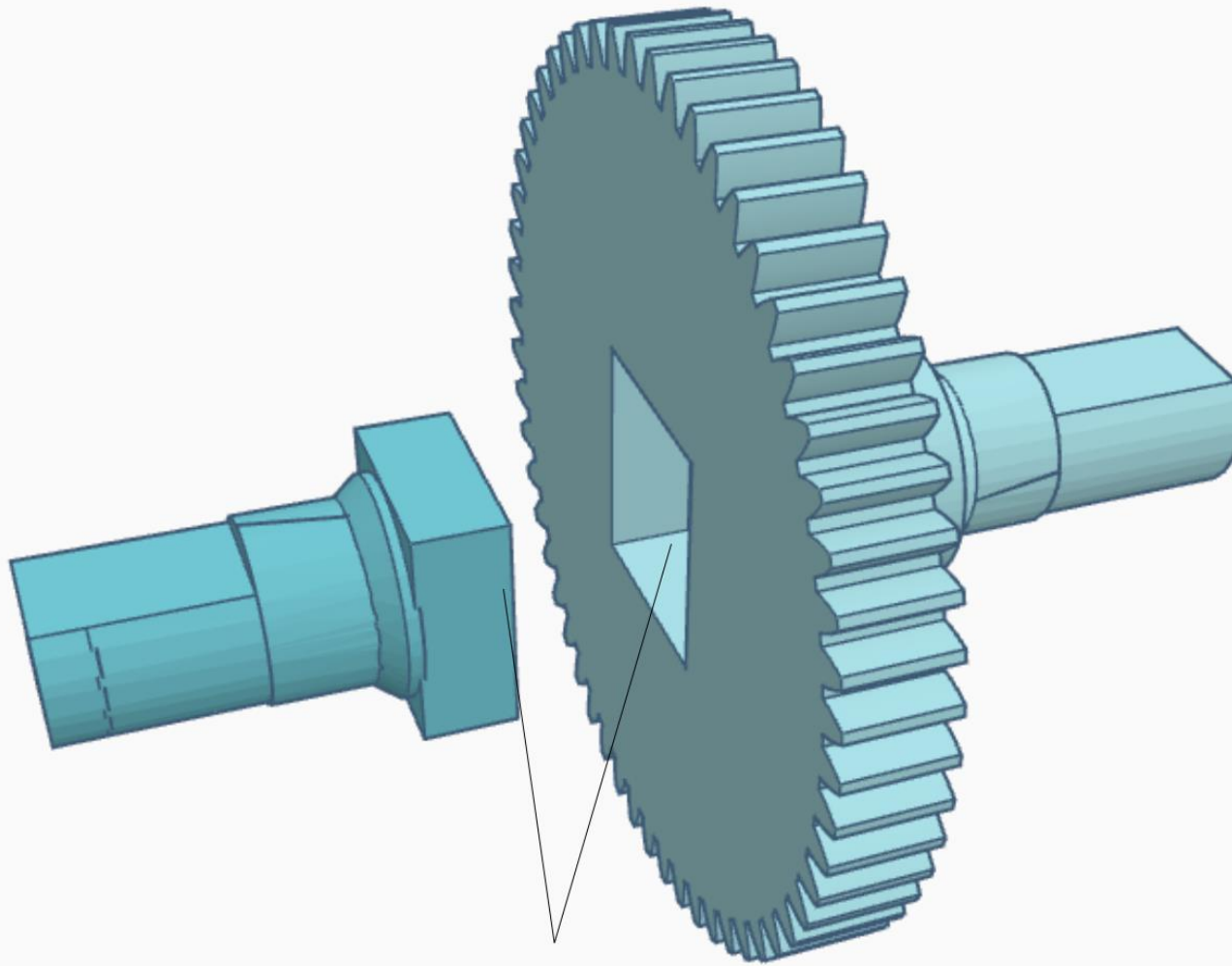


3. Motor and transmission

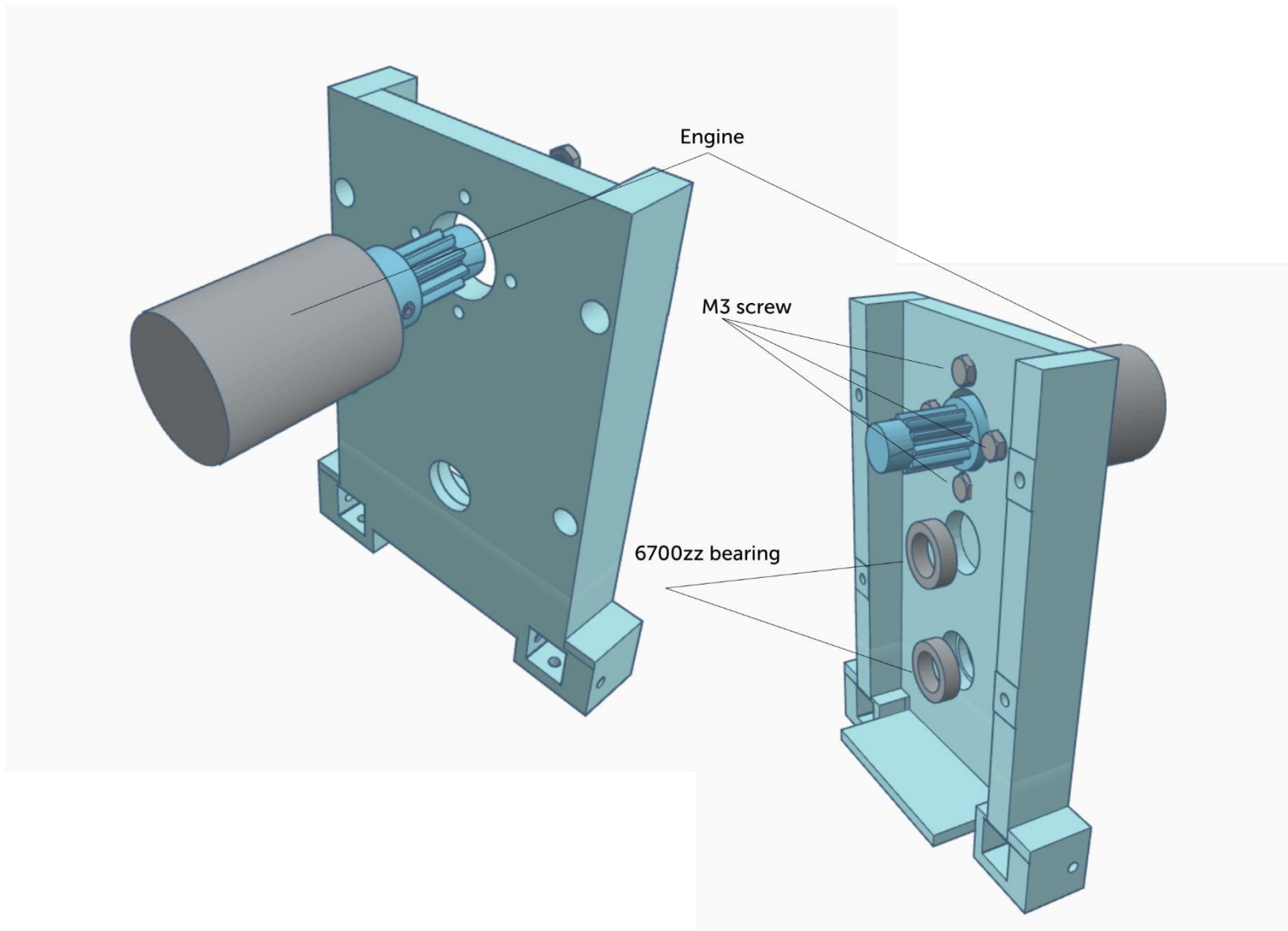


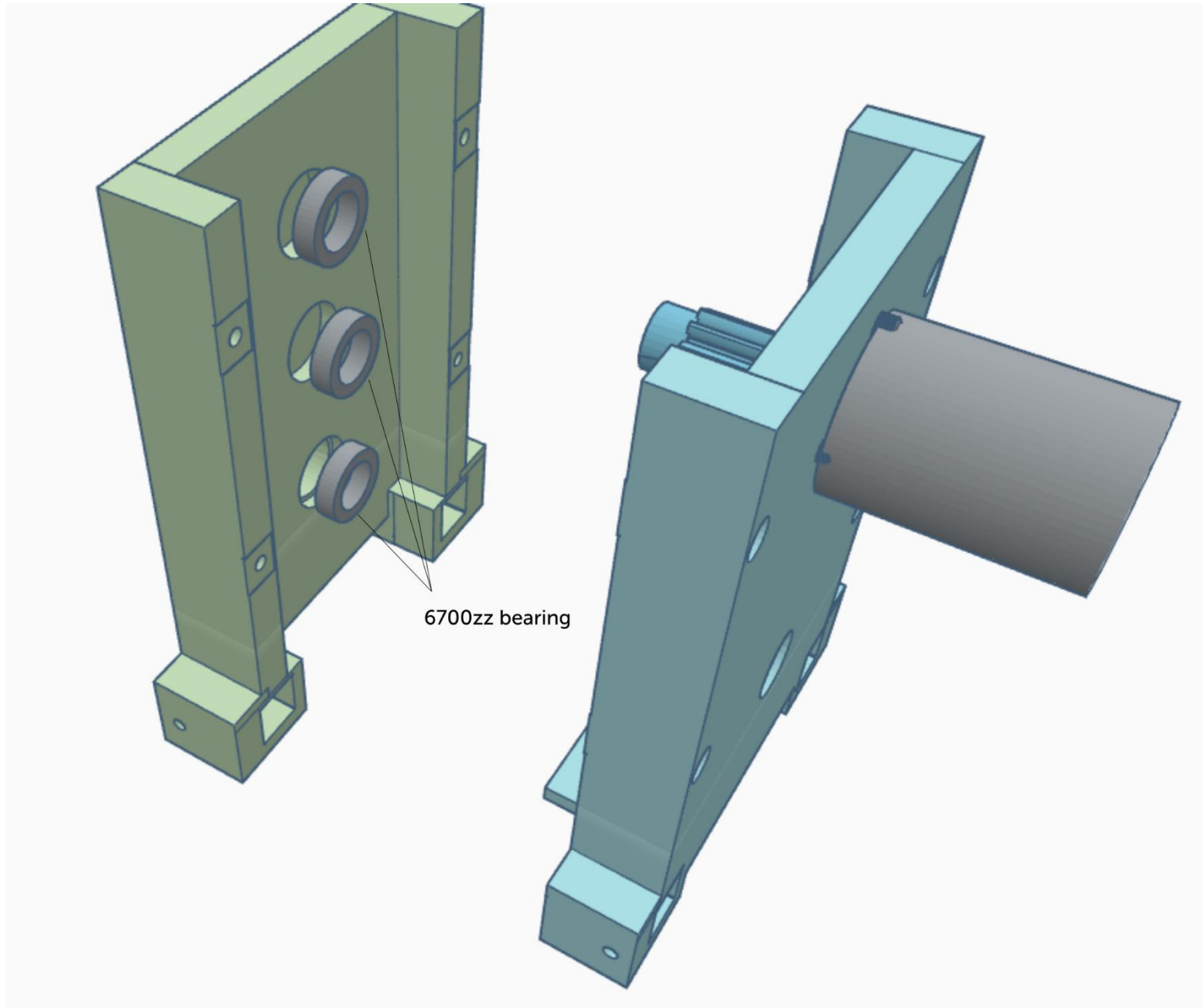


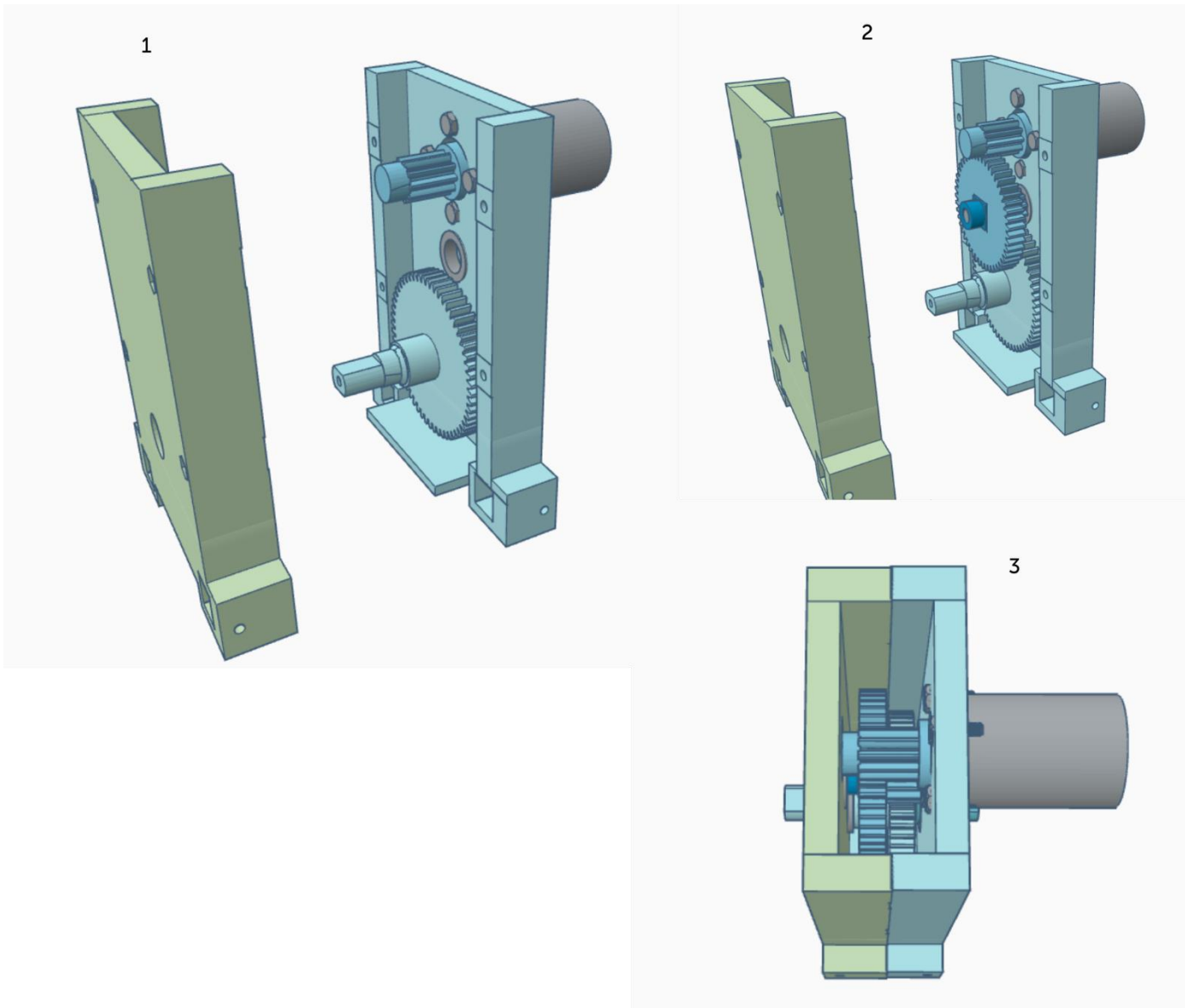


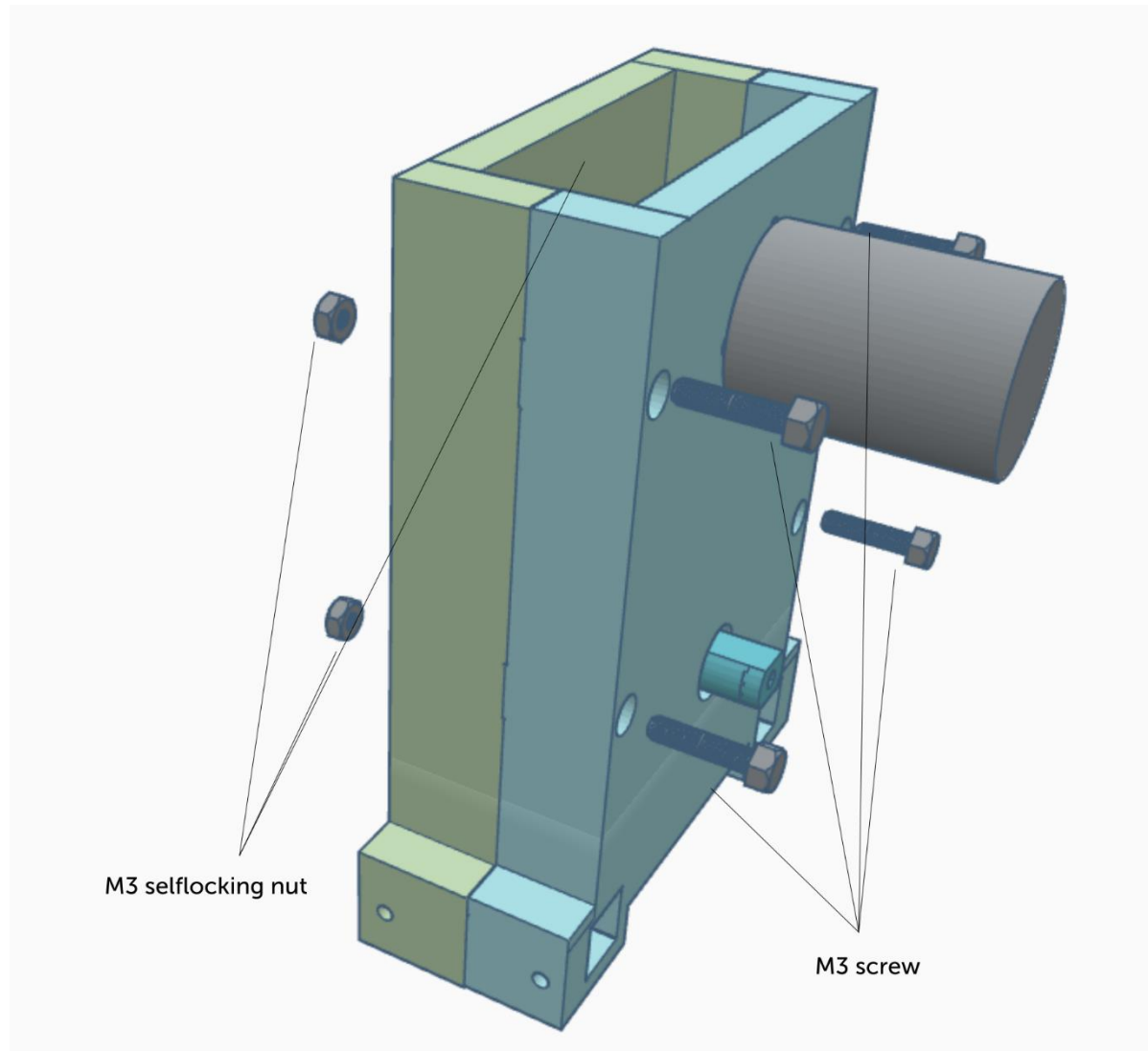


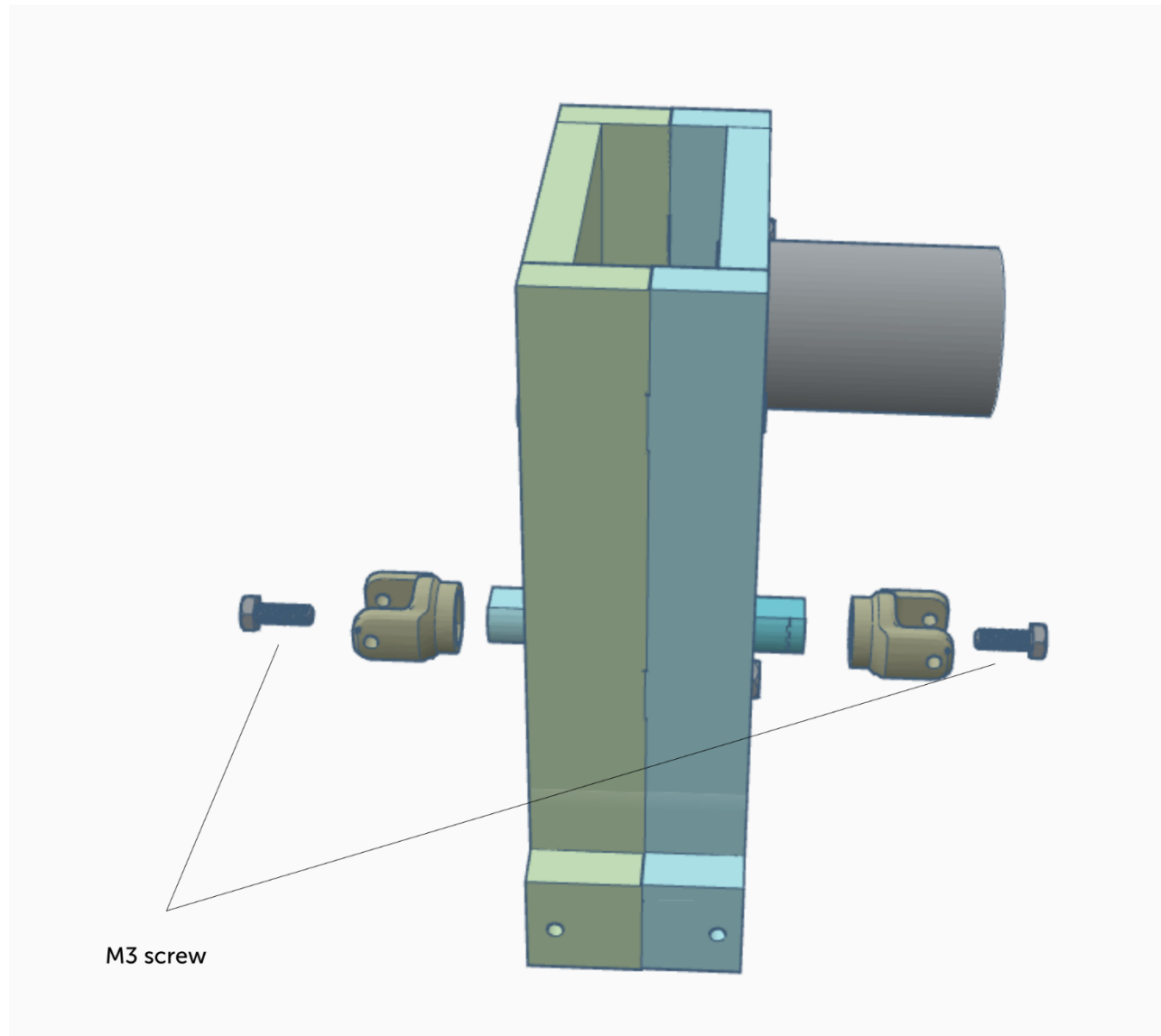
Glue it inside



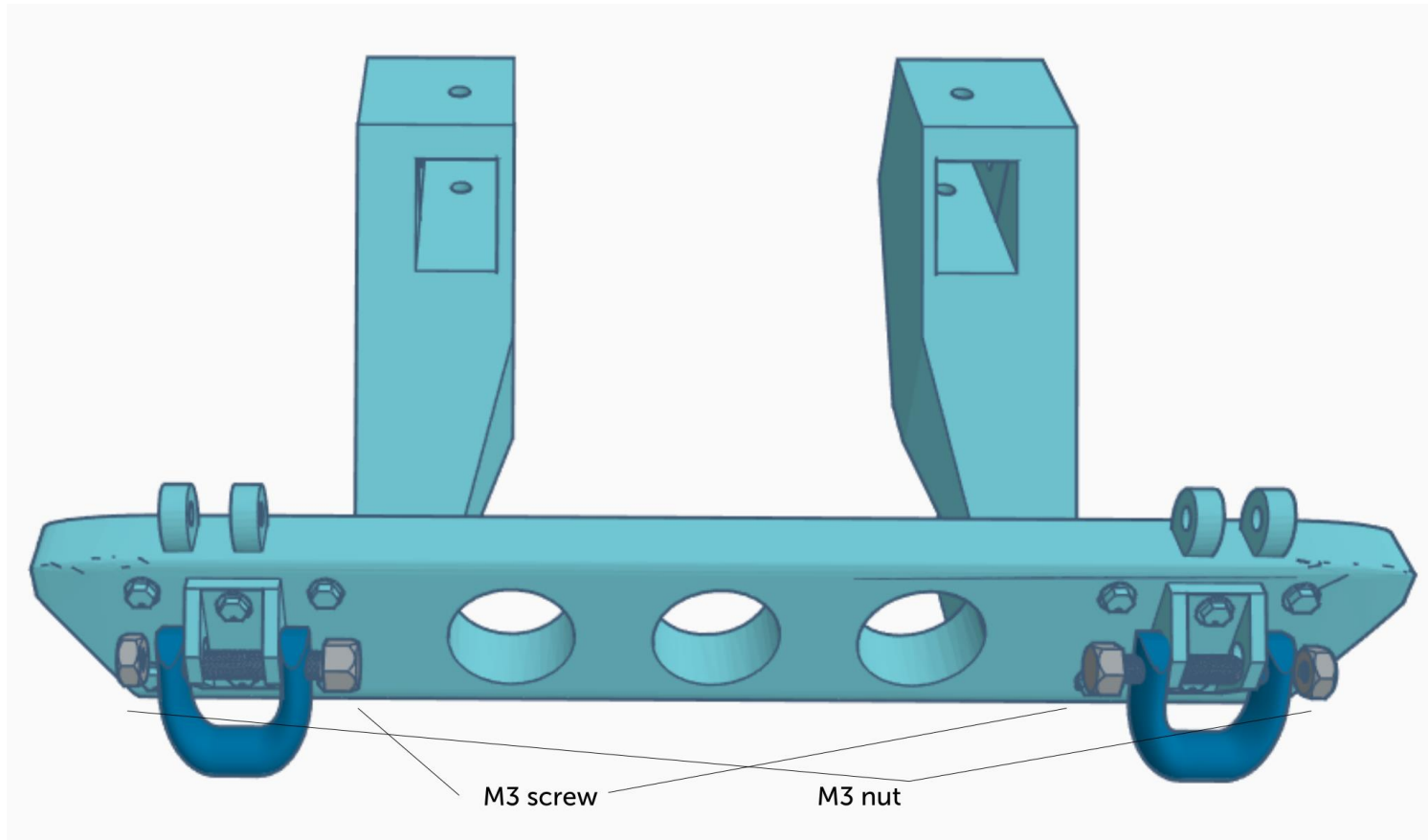


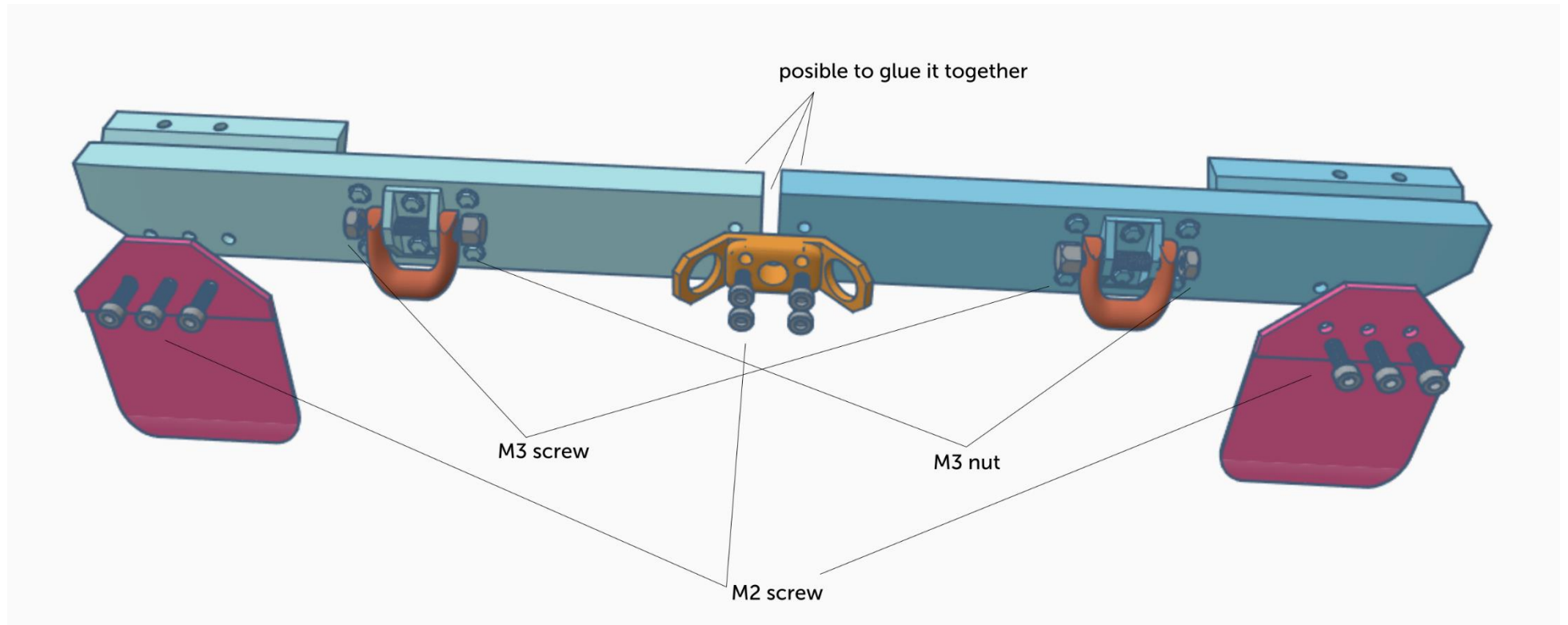




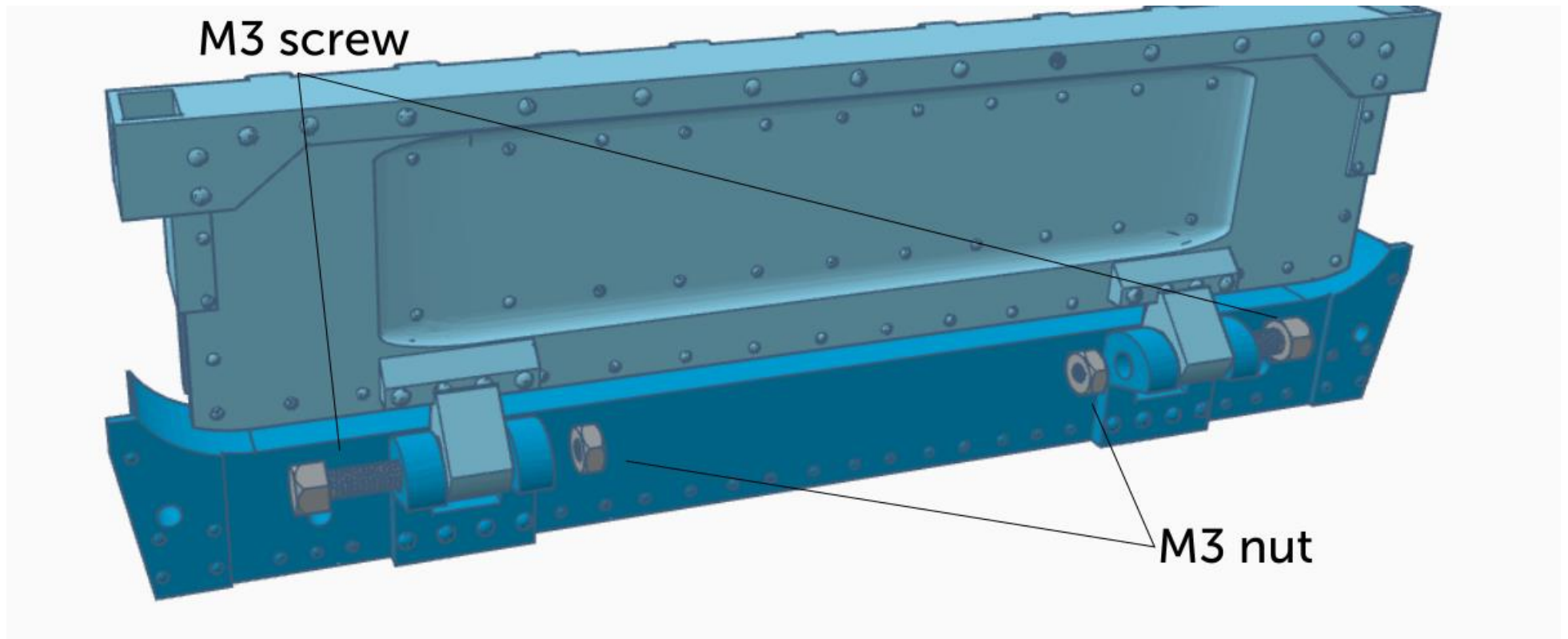


4. Bumpers

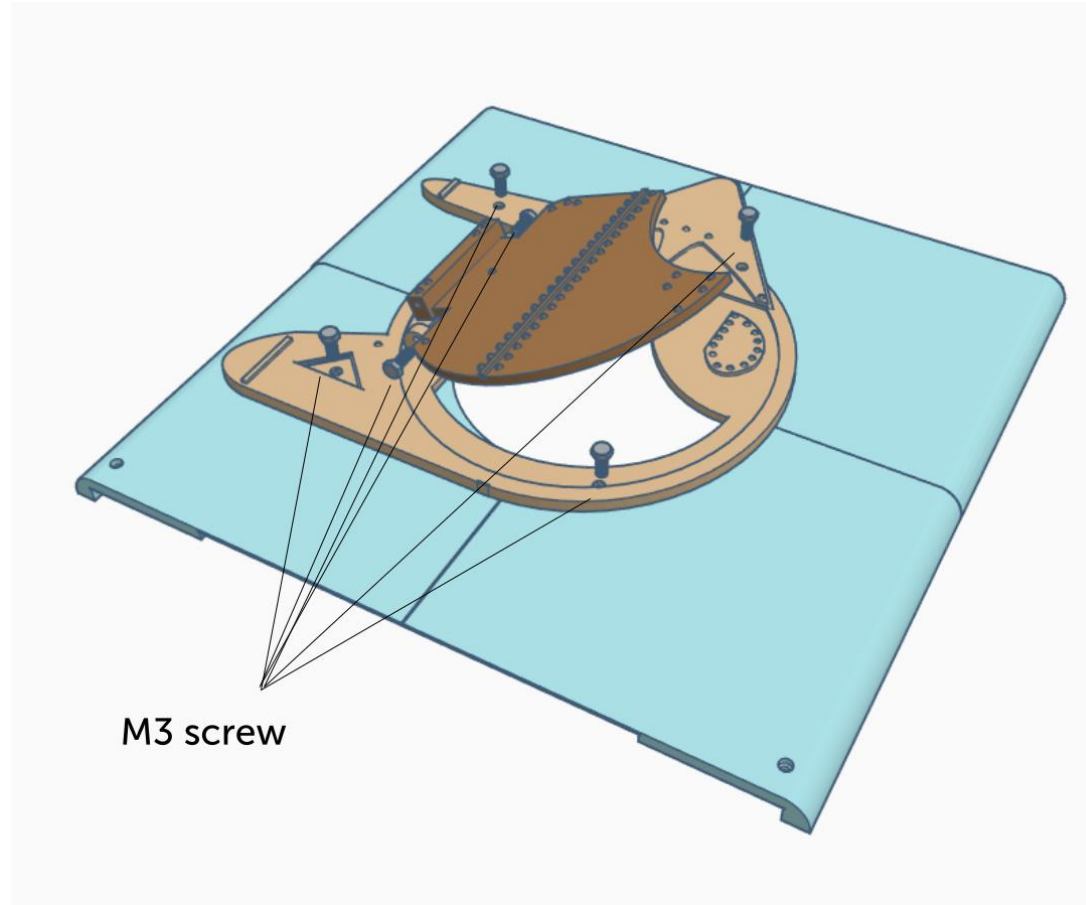


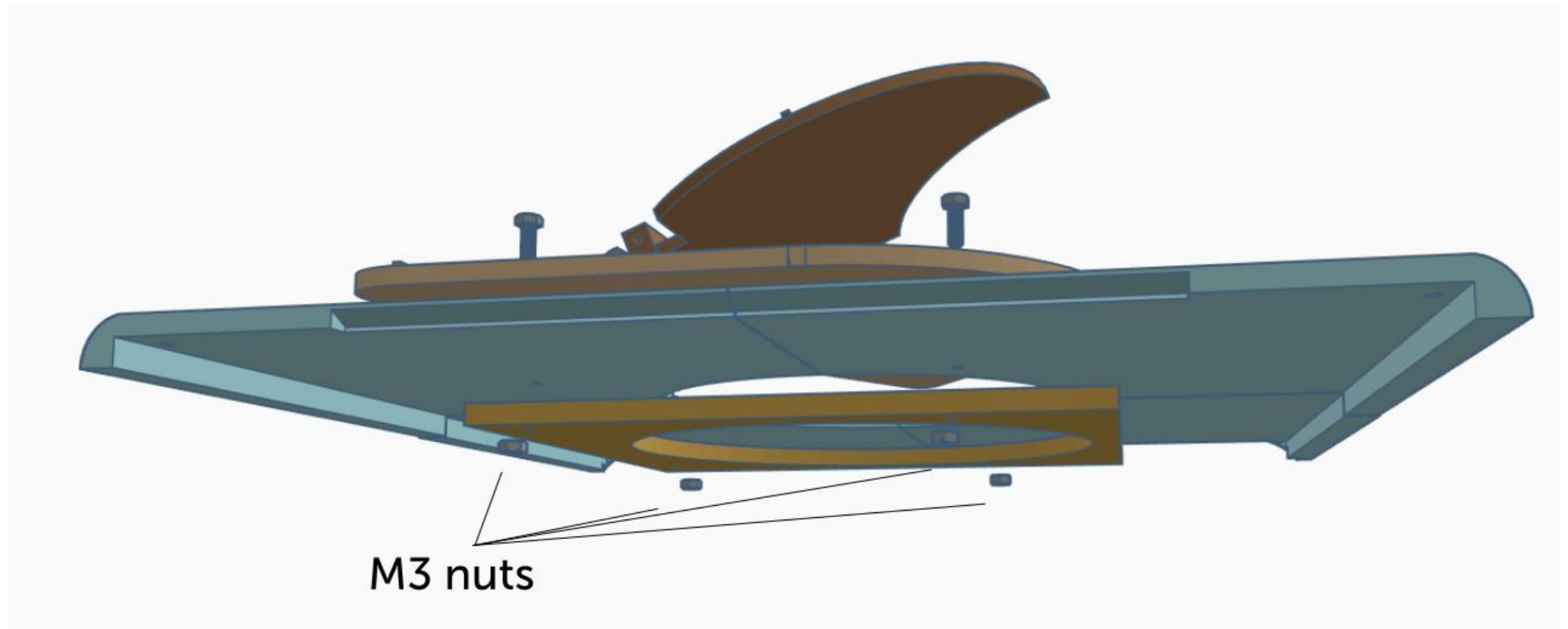


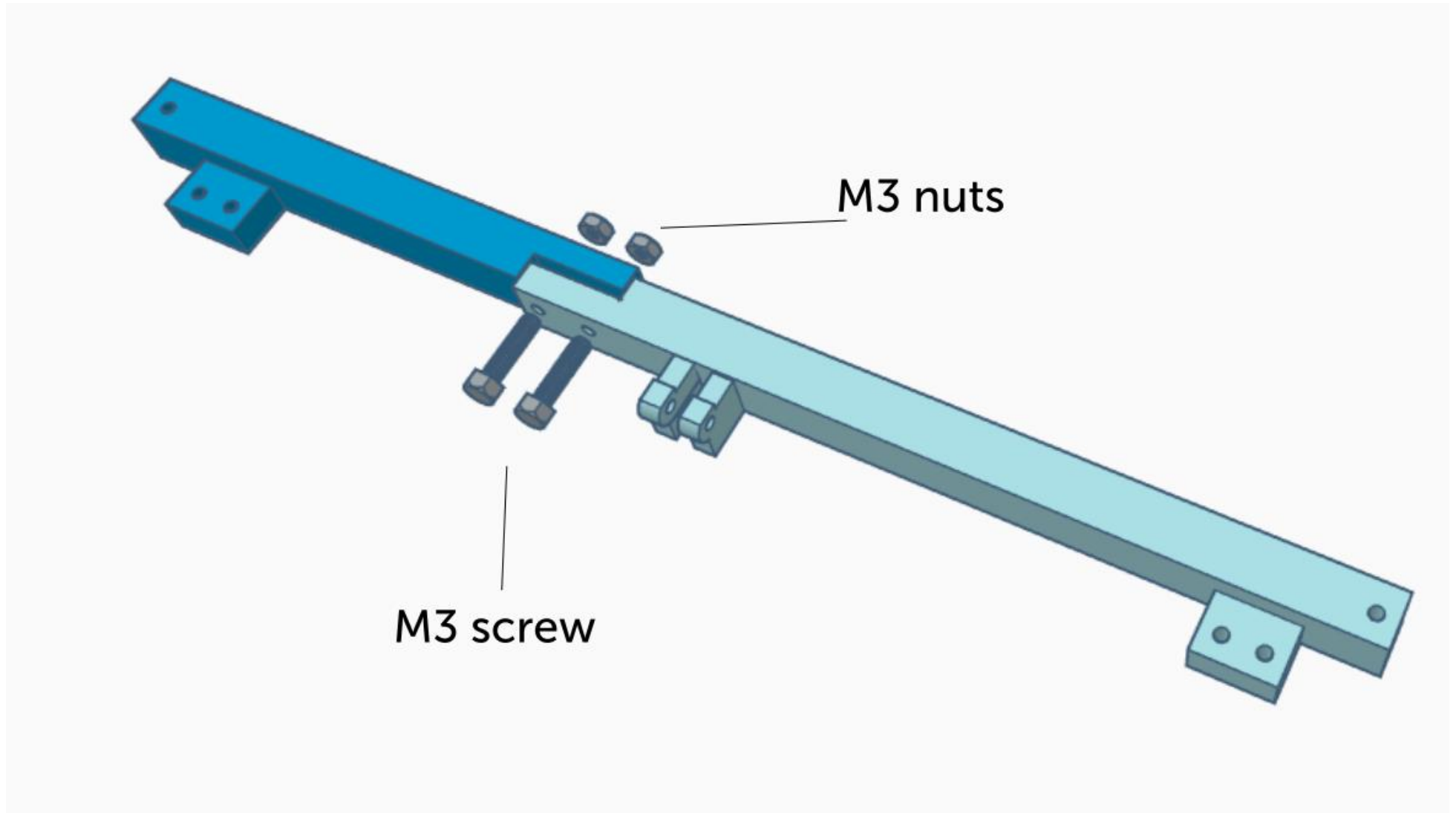
5. Cargo door

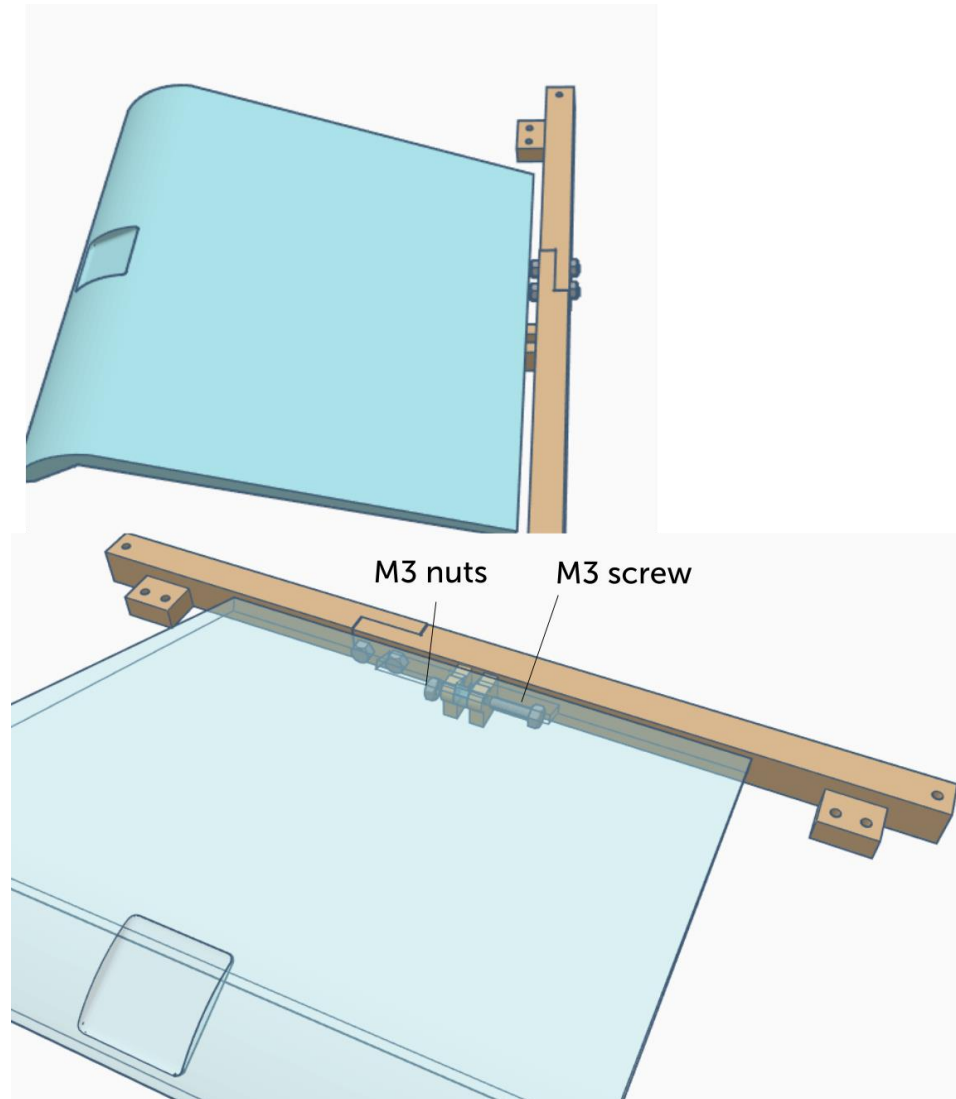


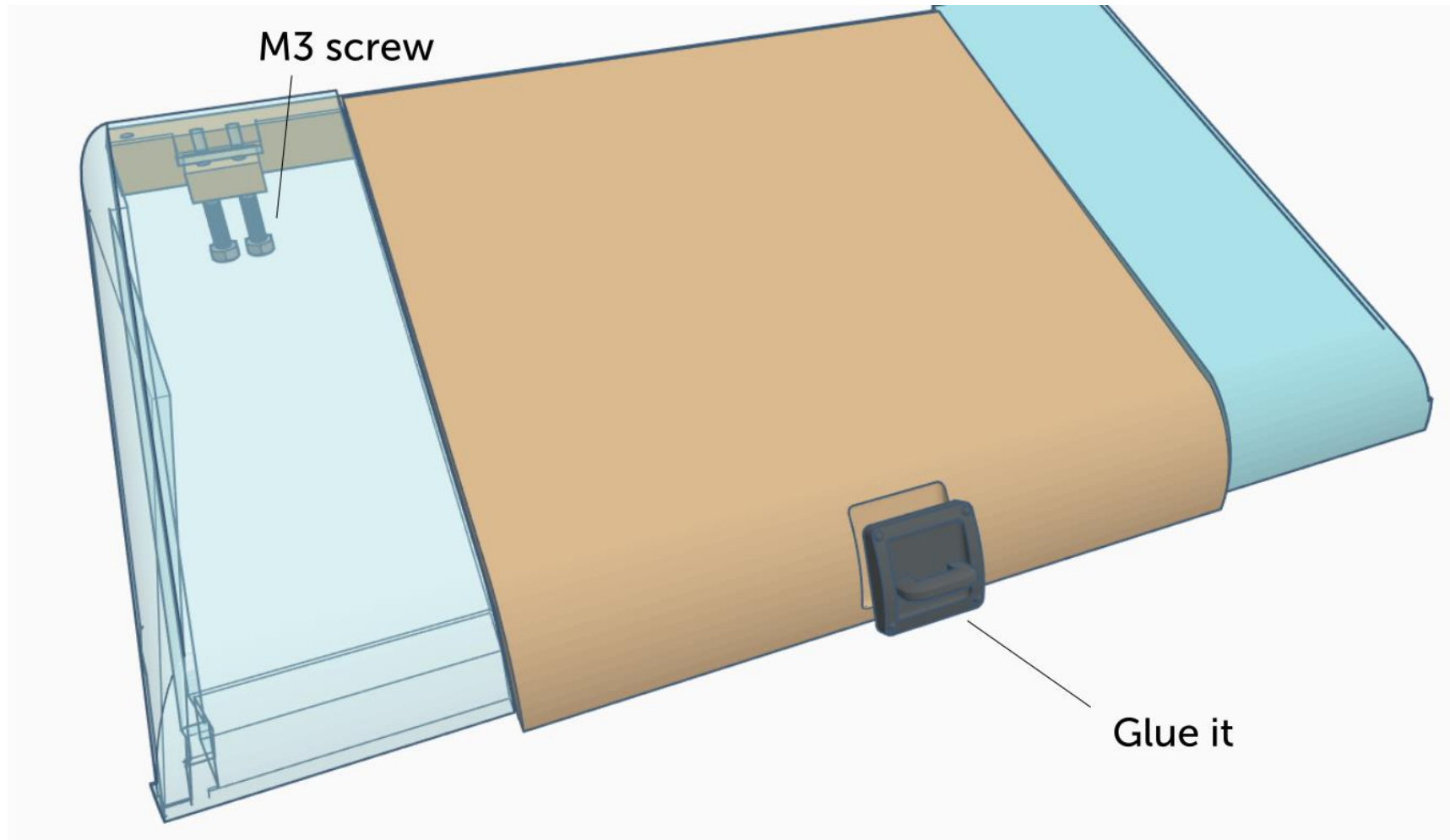
6. Roof and deck



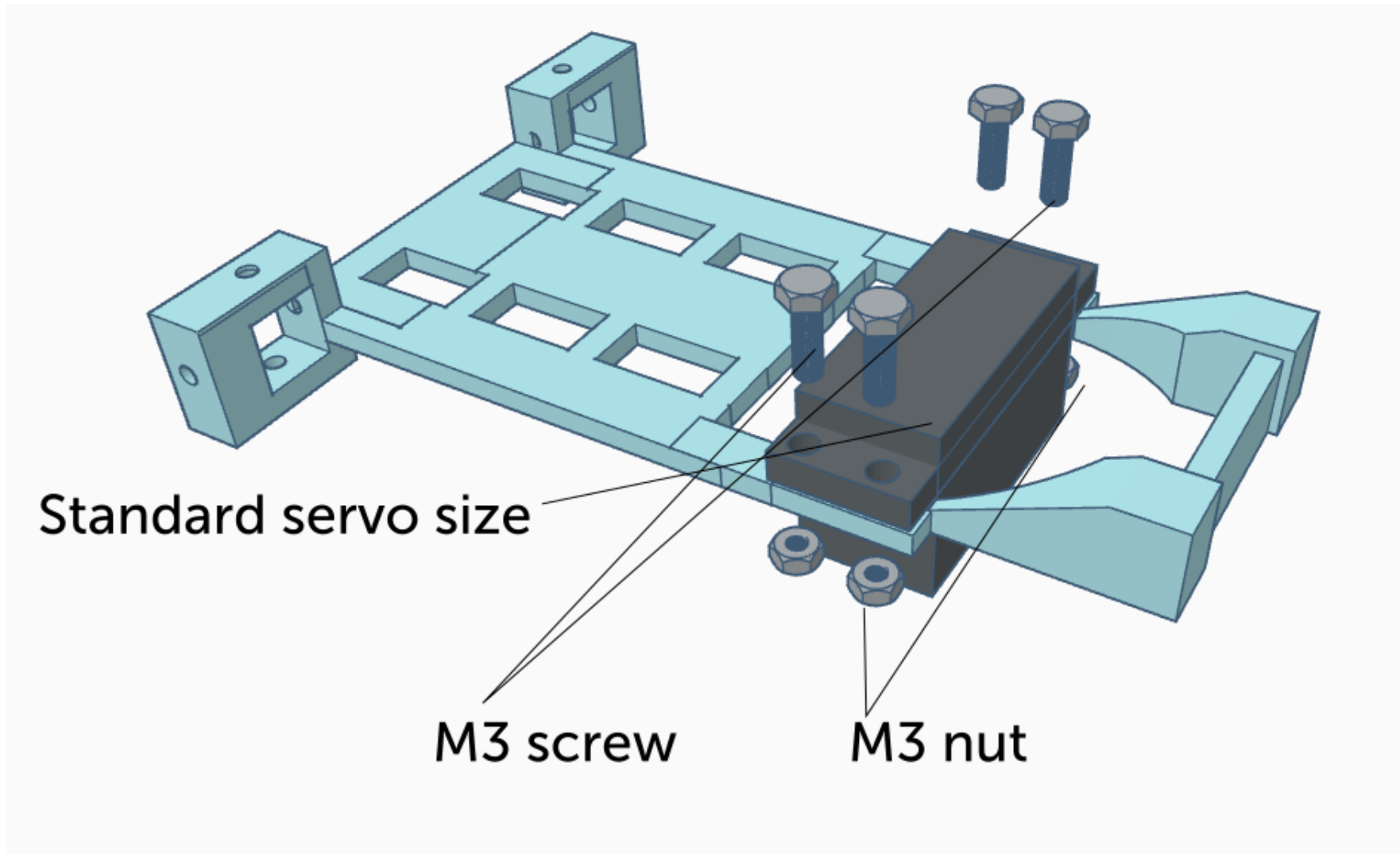




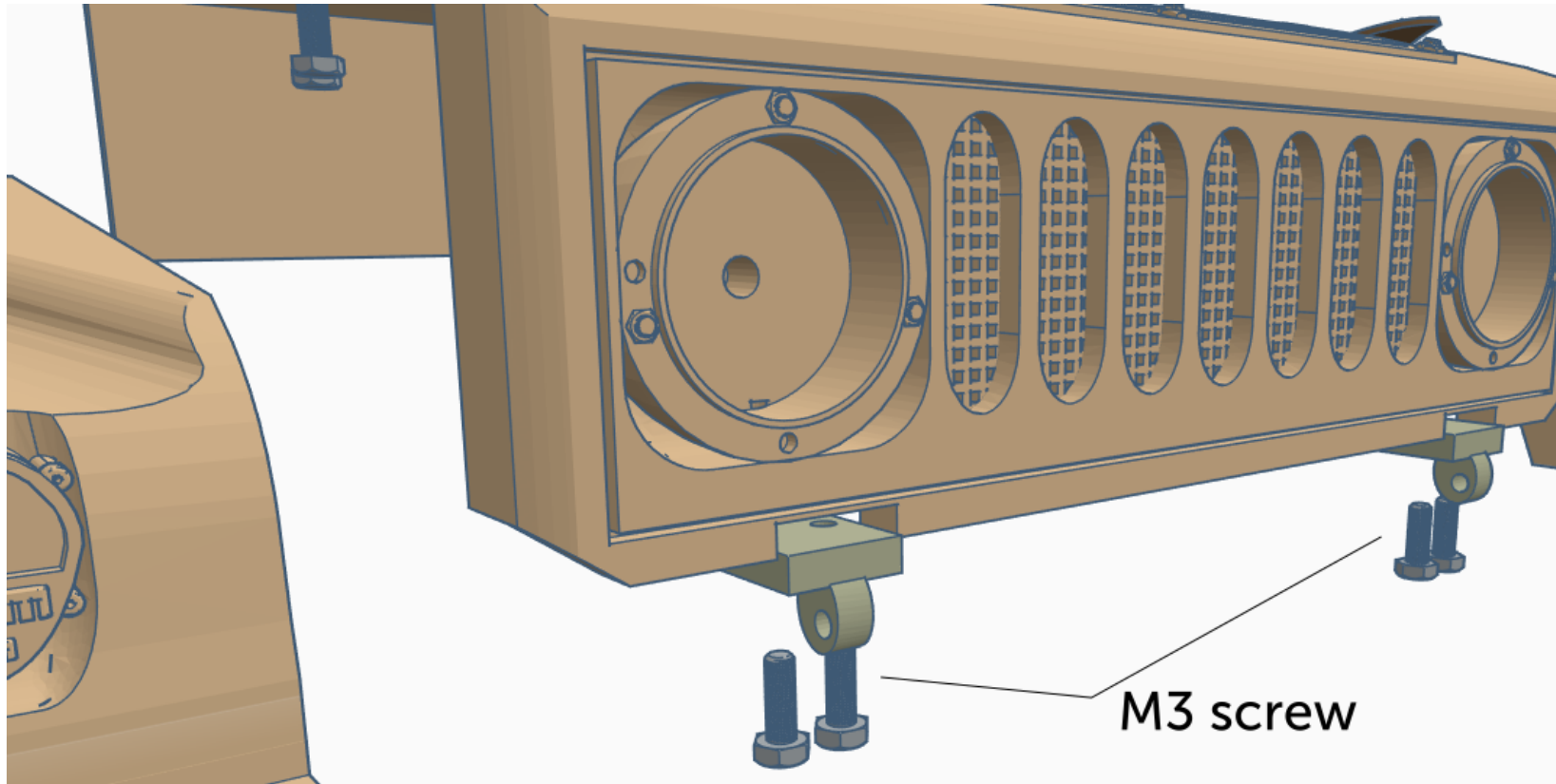


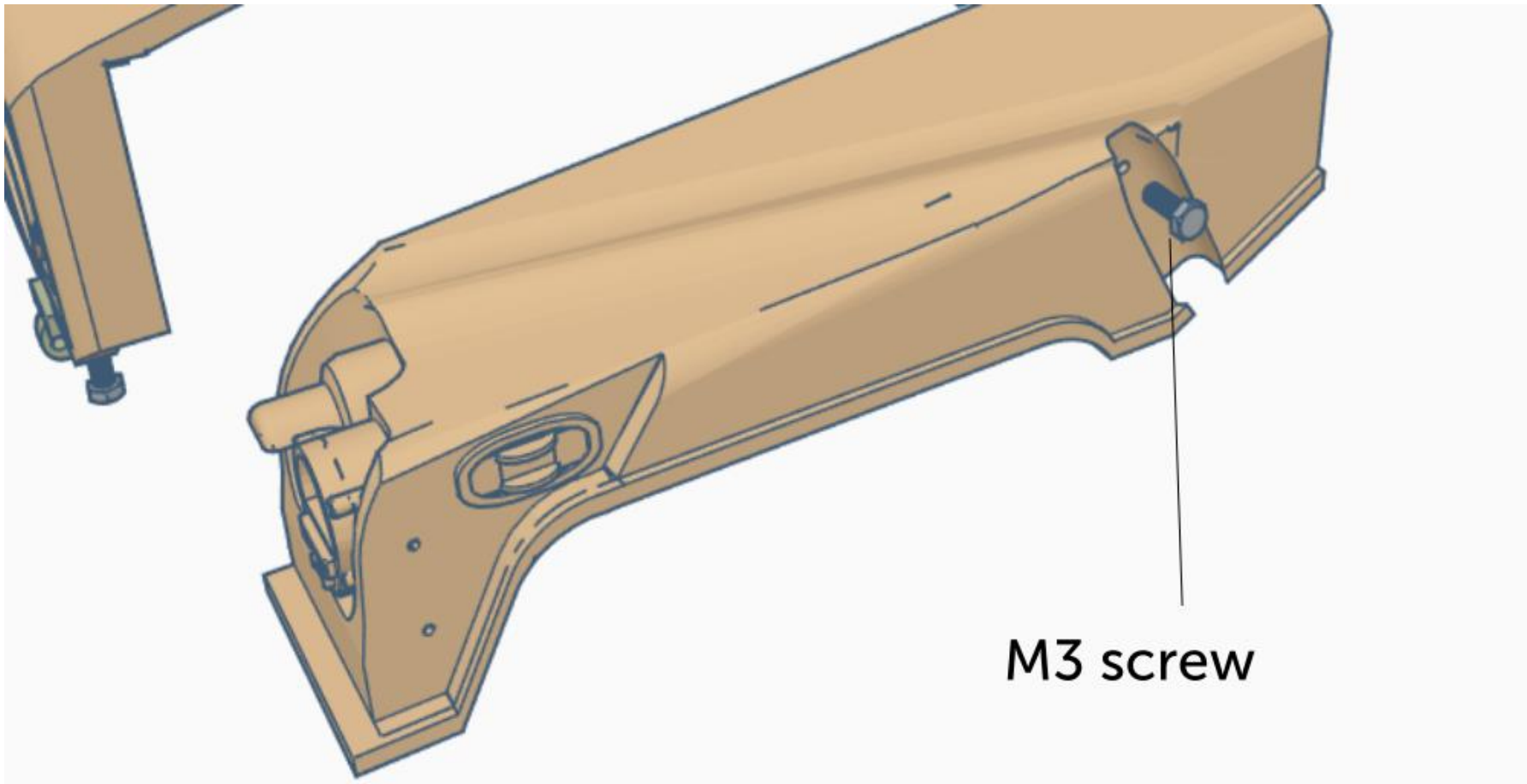


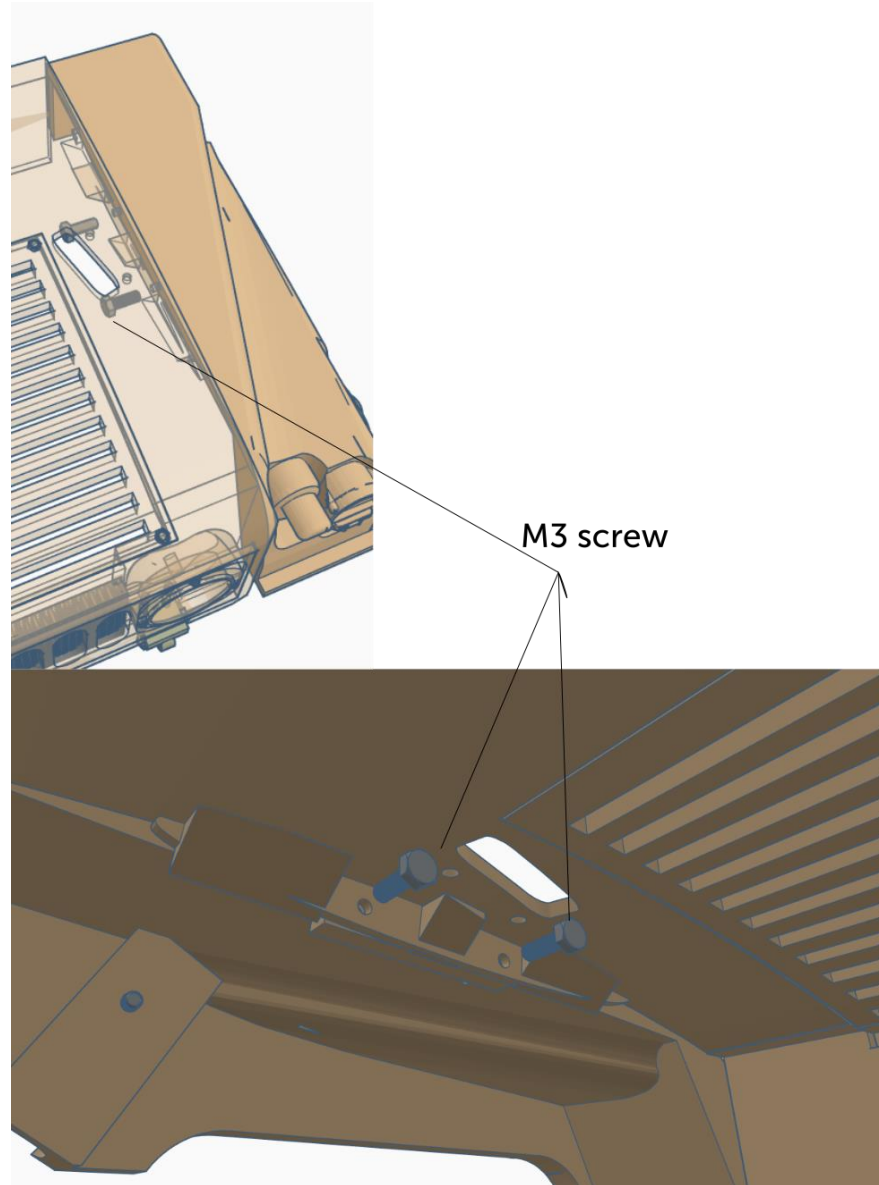
7. Servo and electro holder

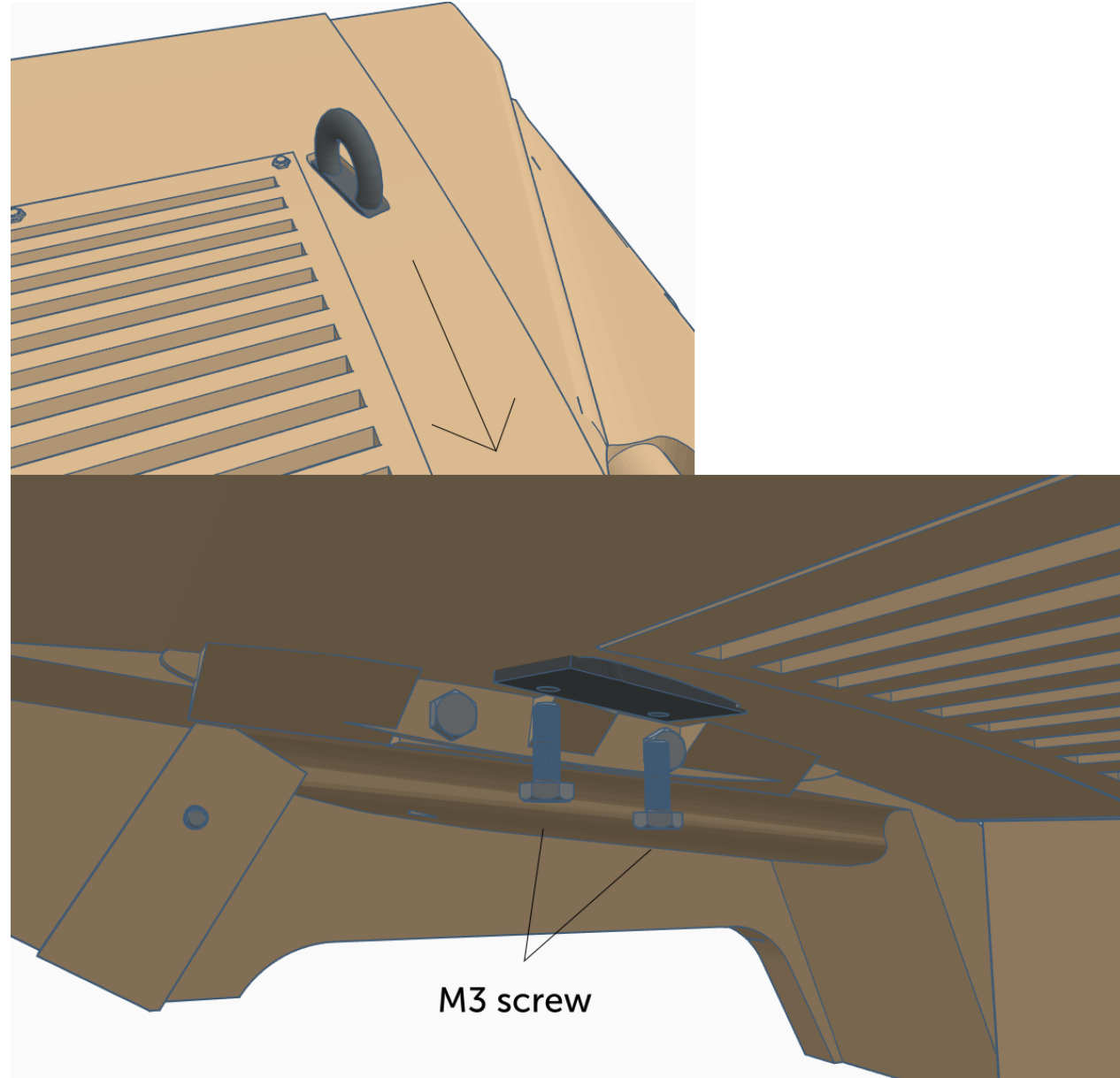


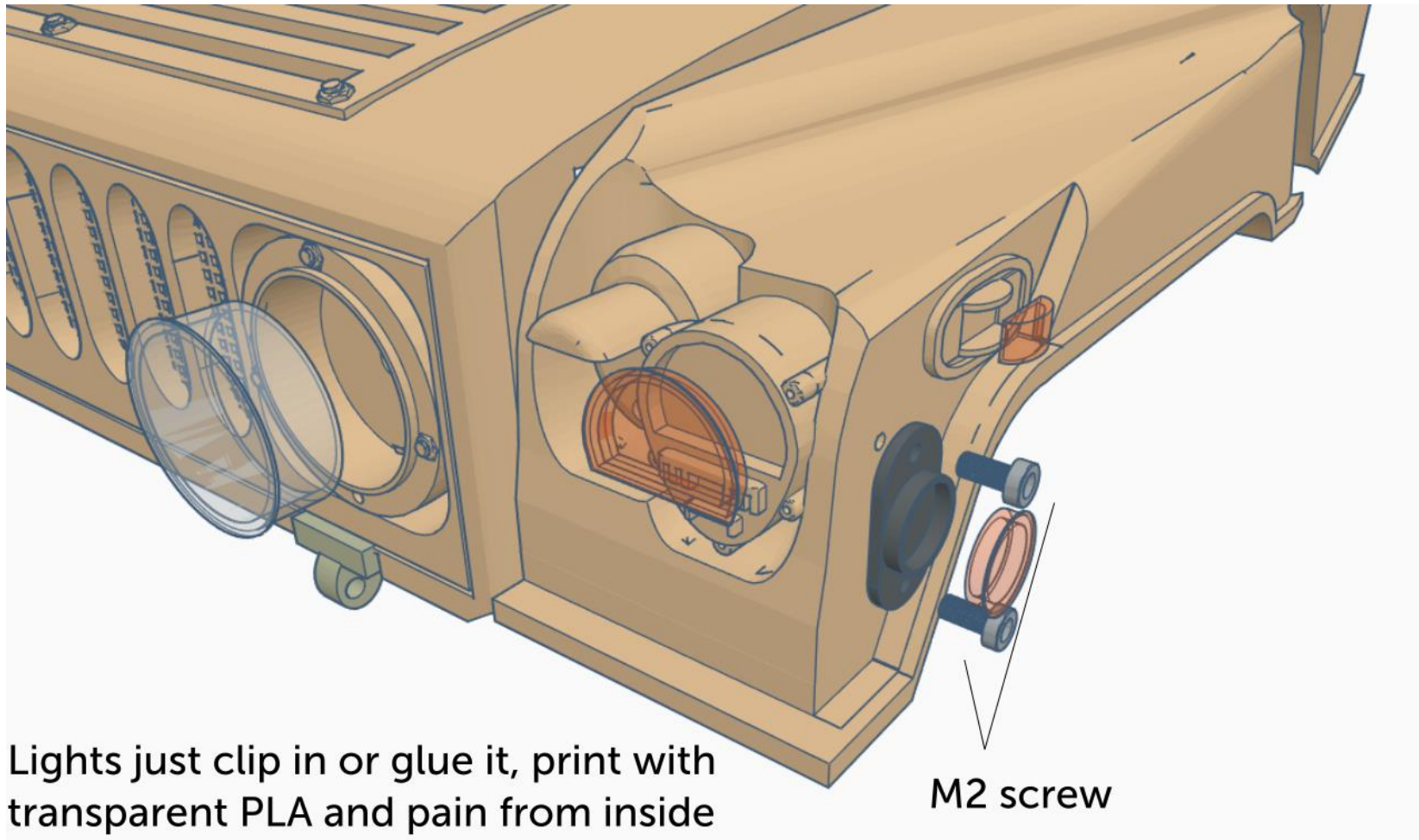
8. Body

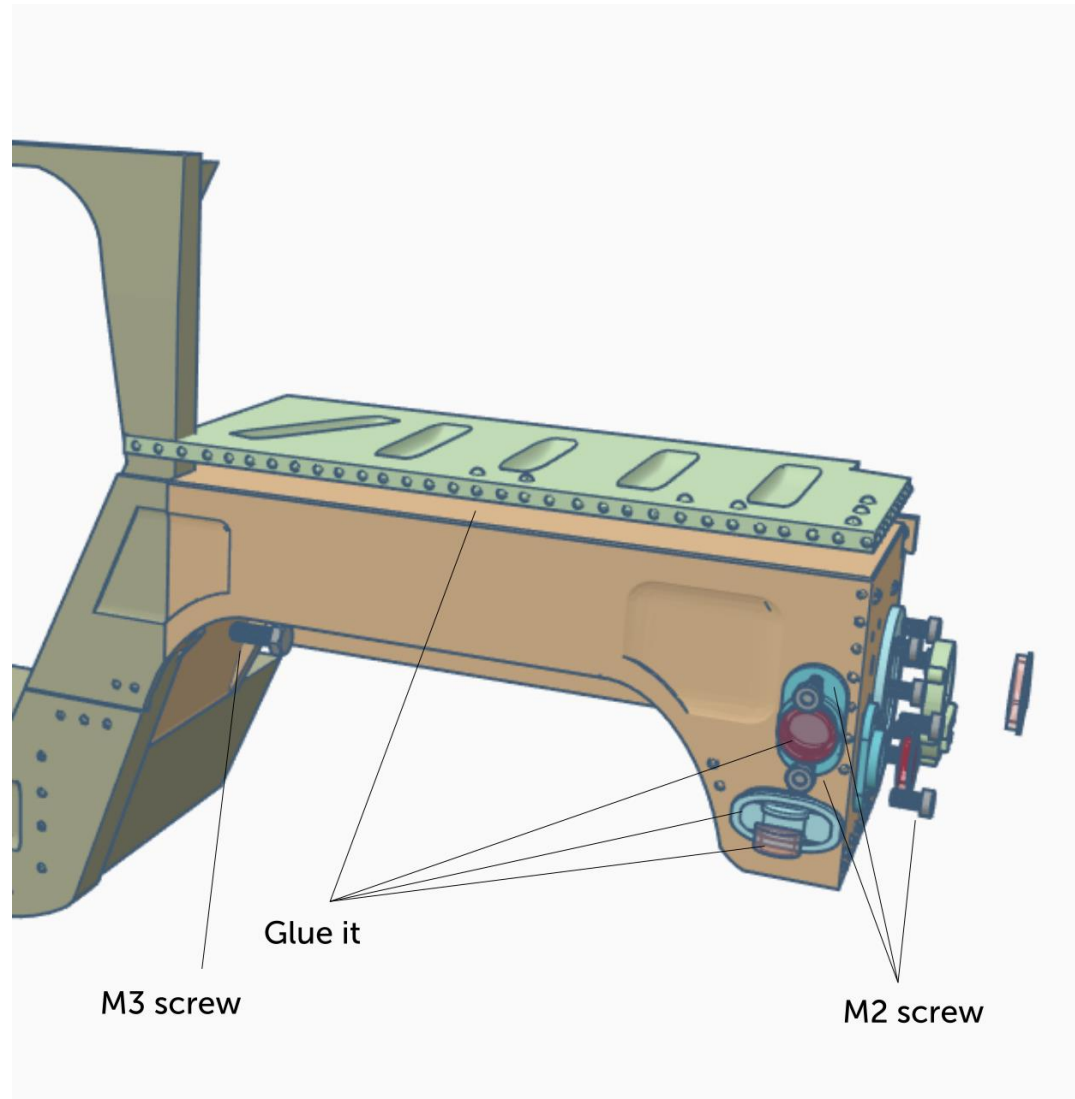


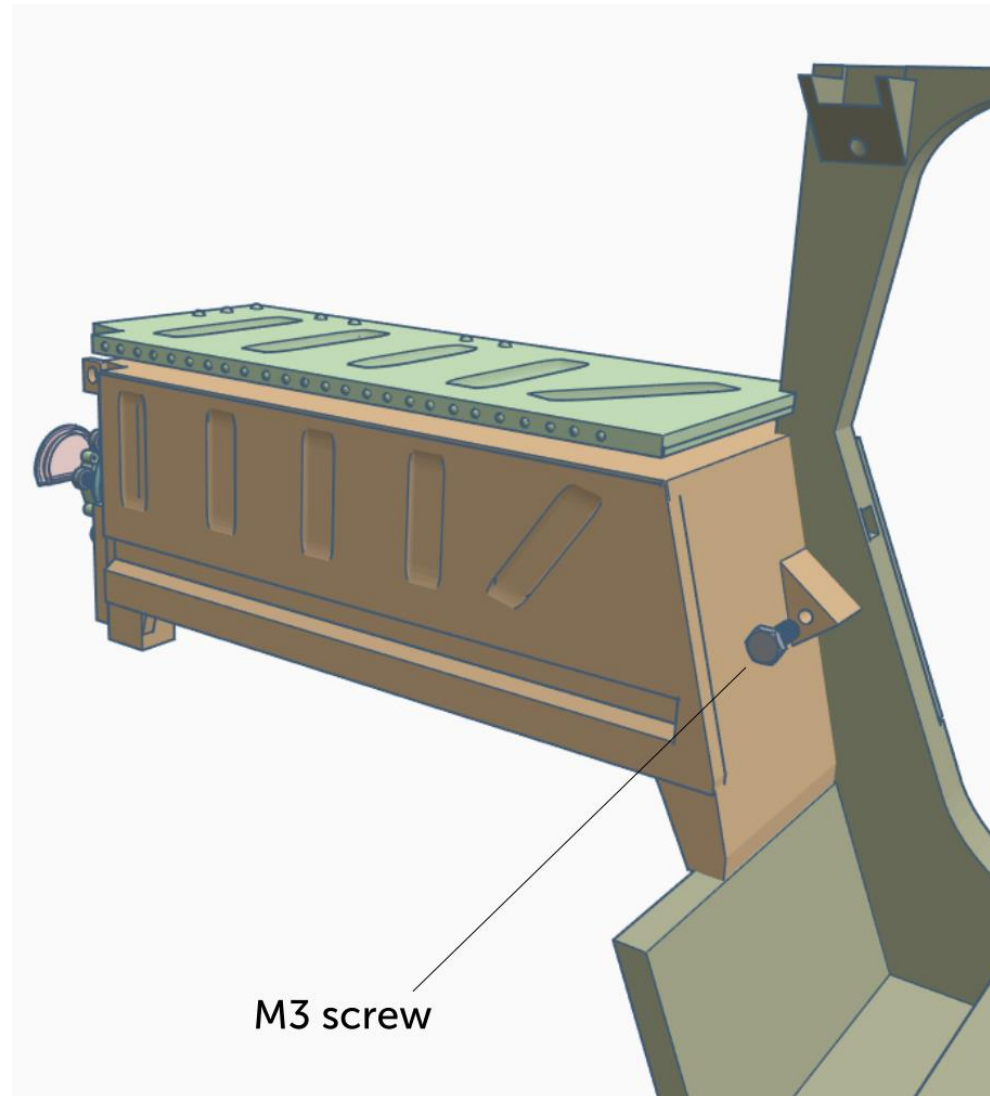


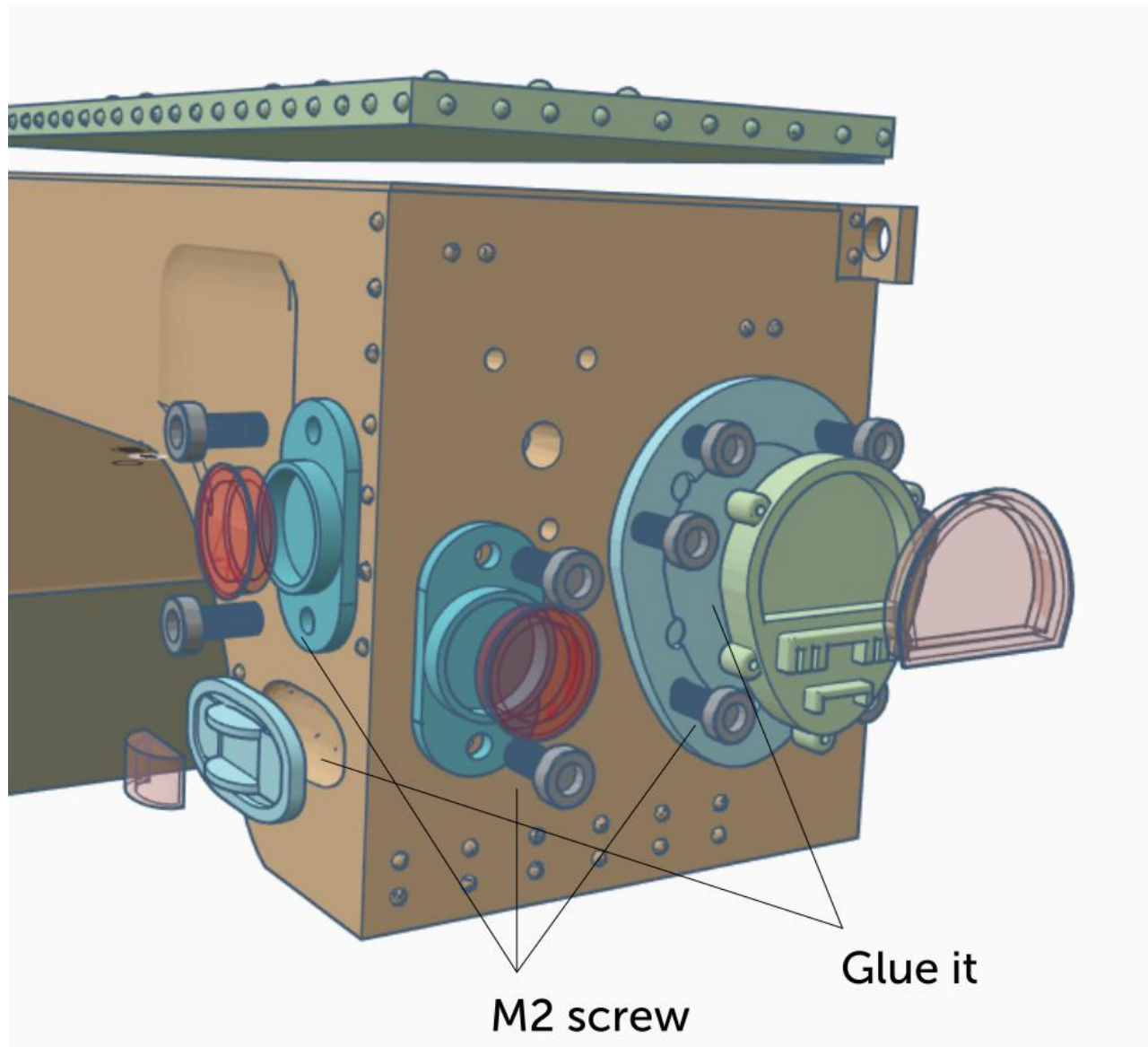


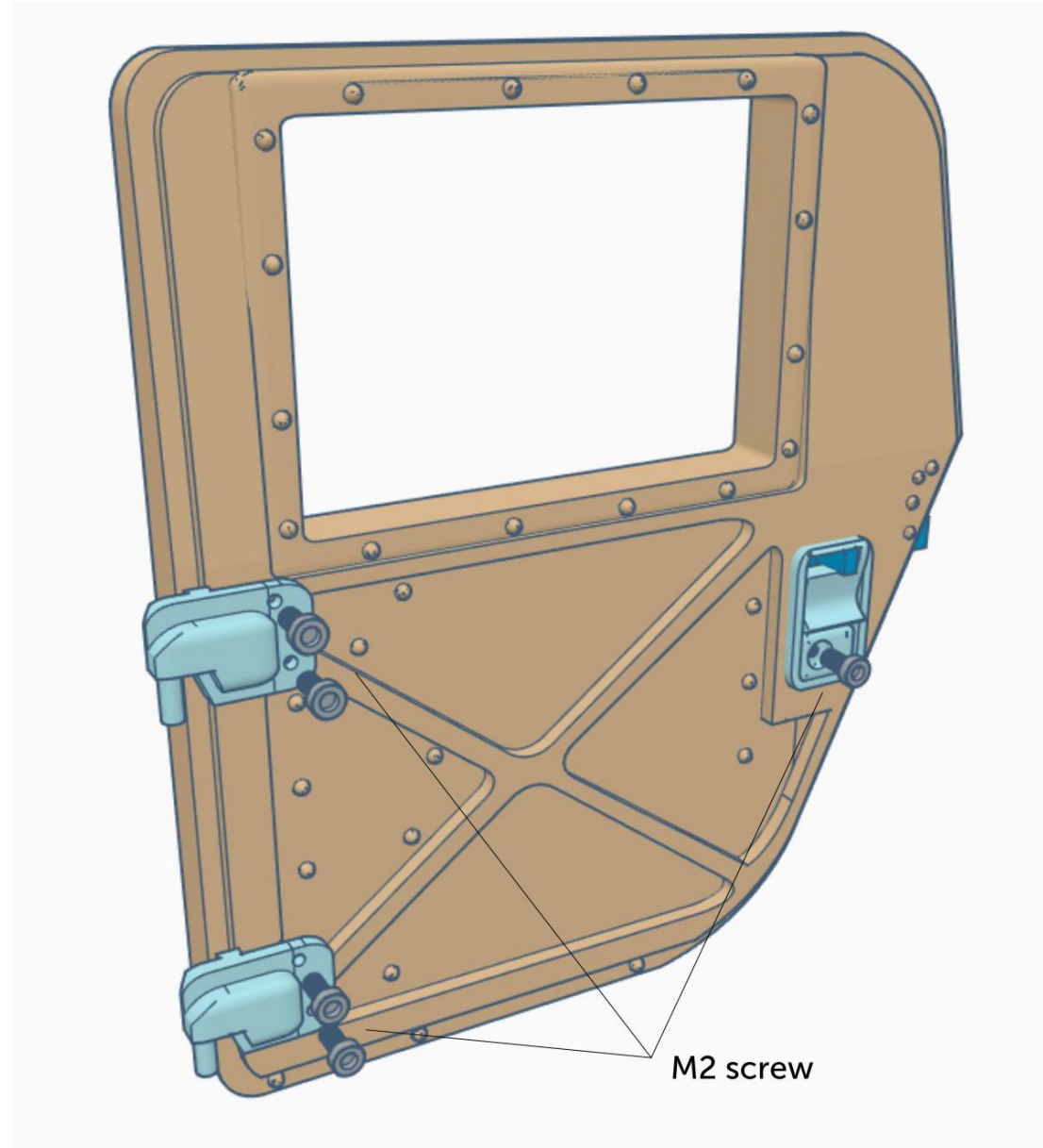


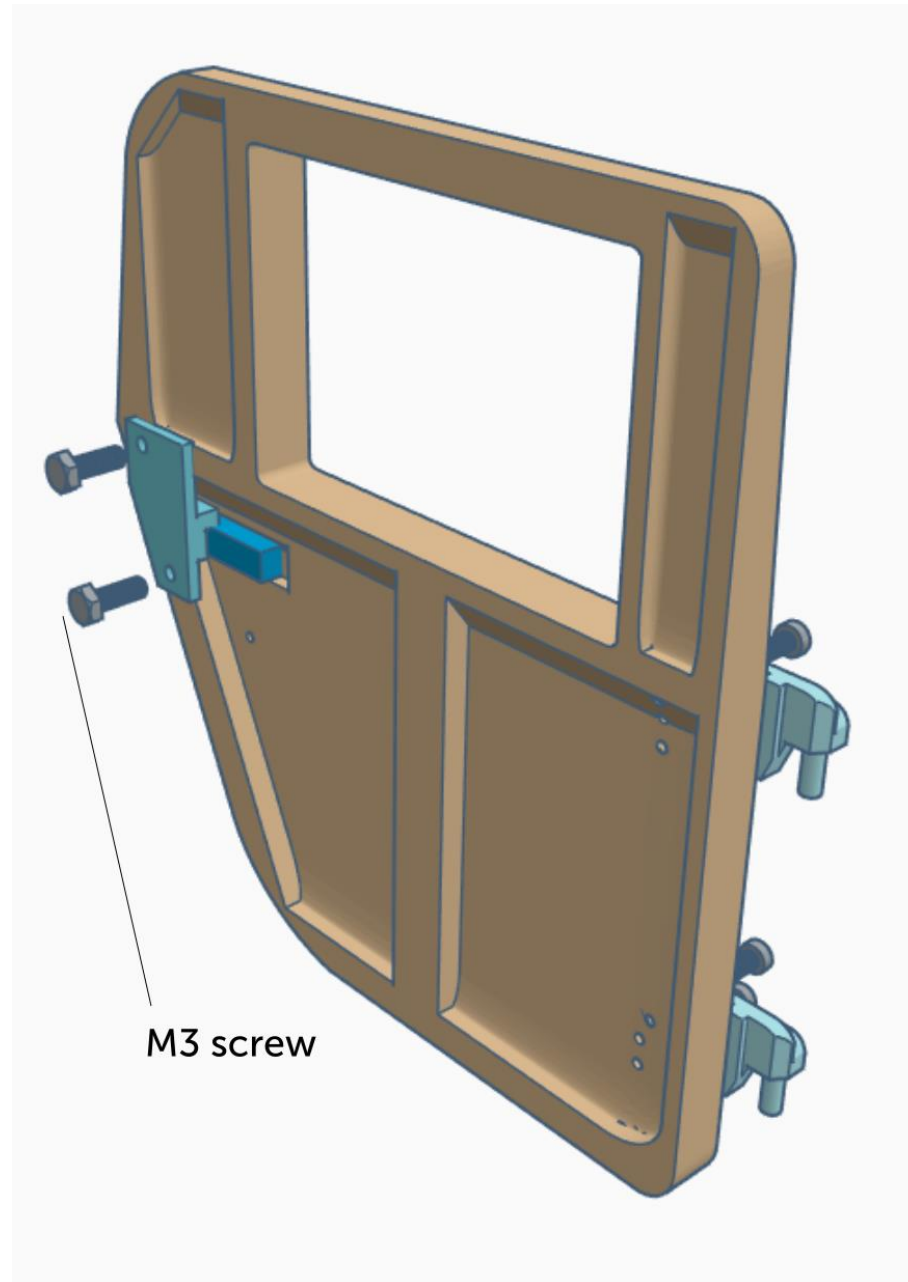


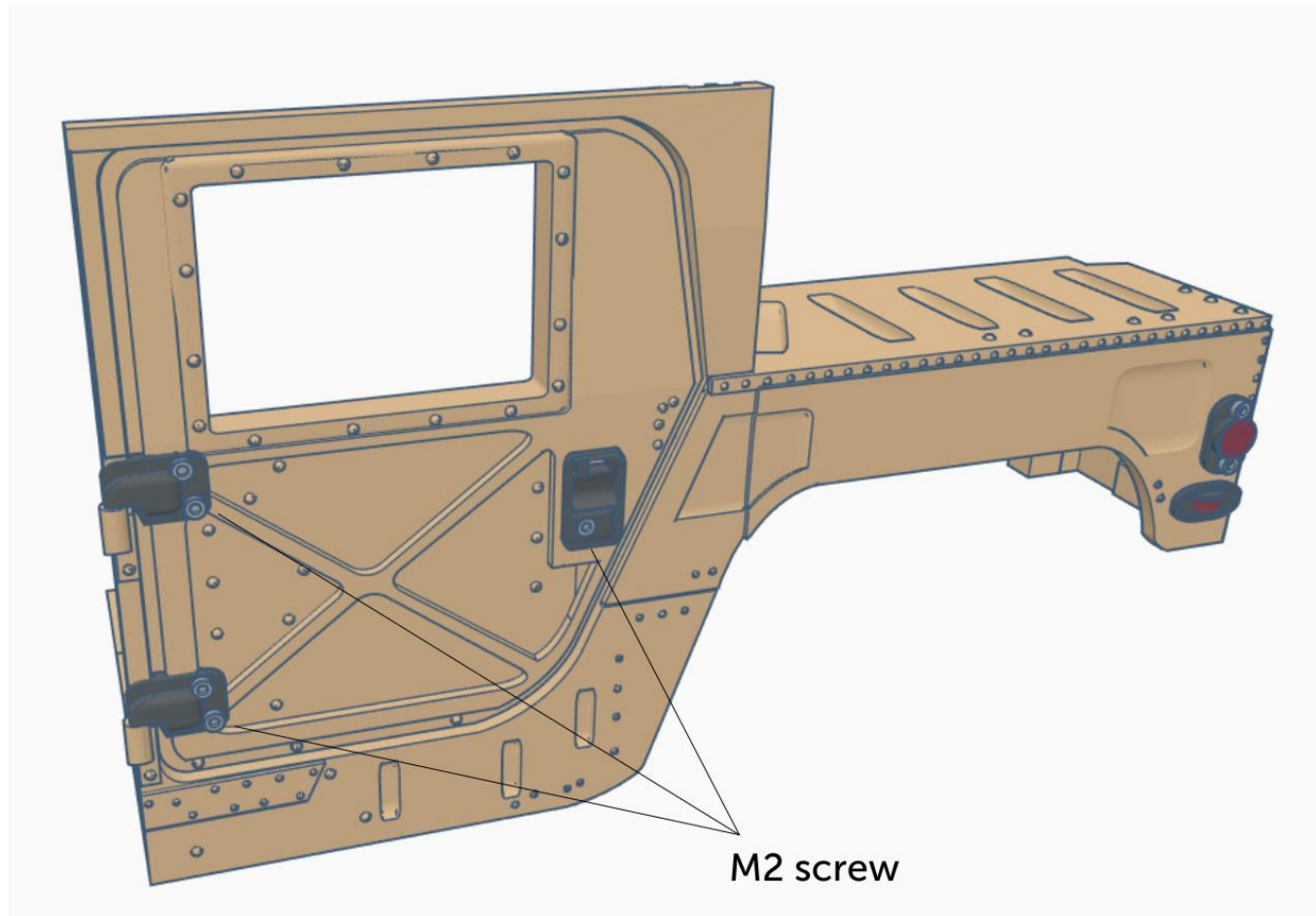


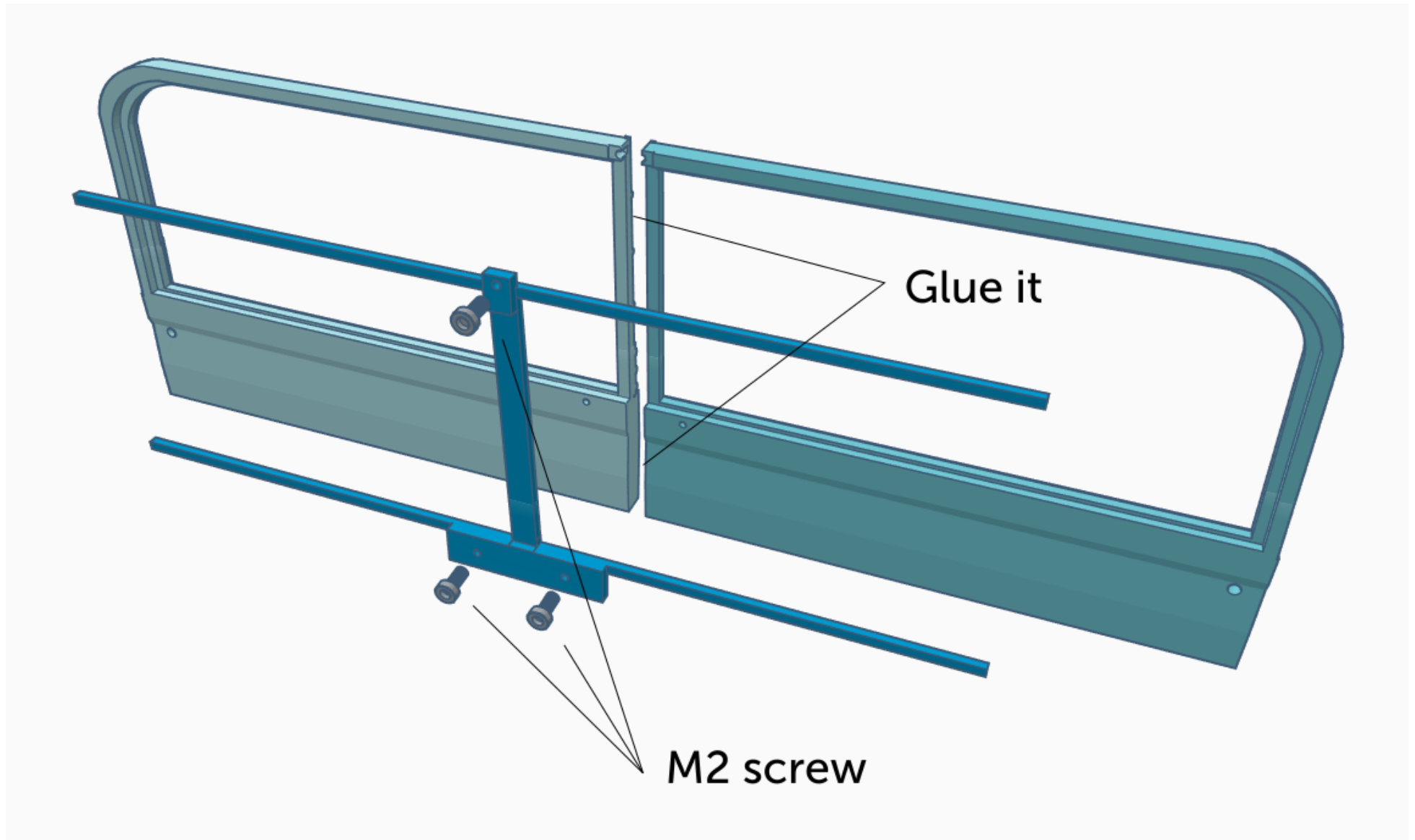




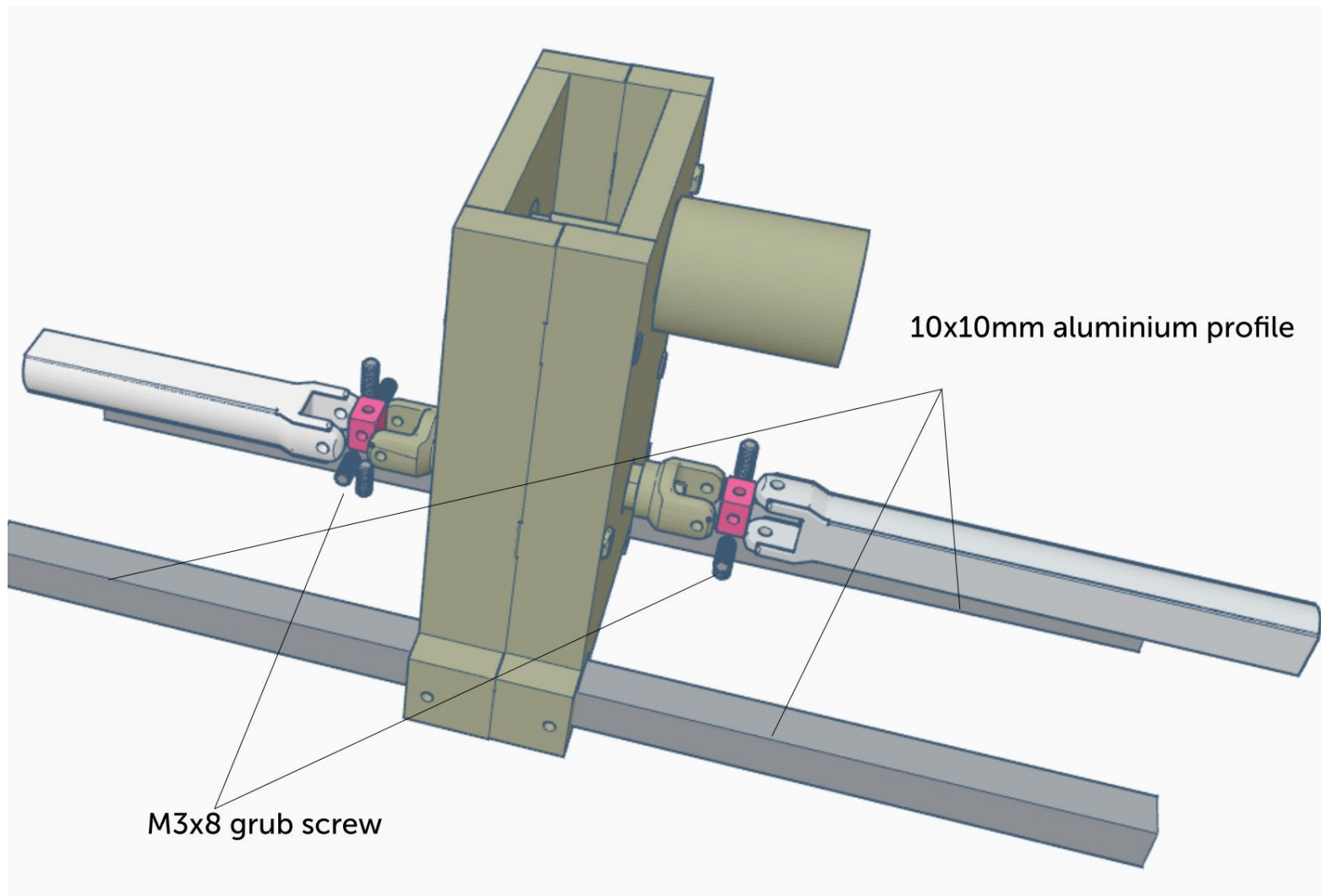


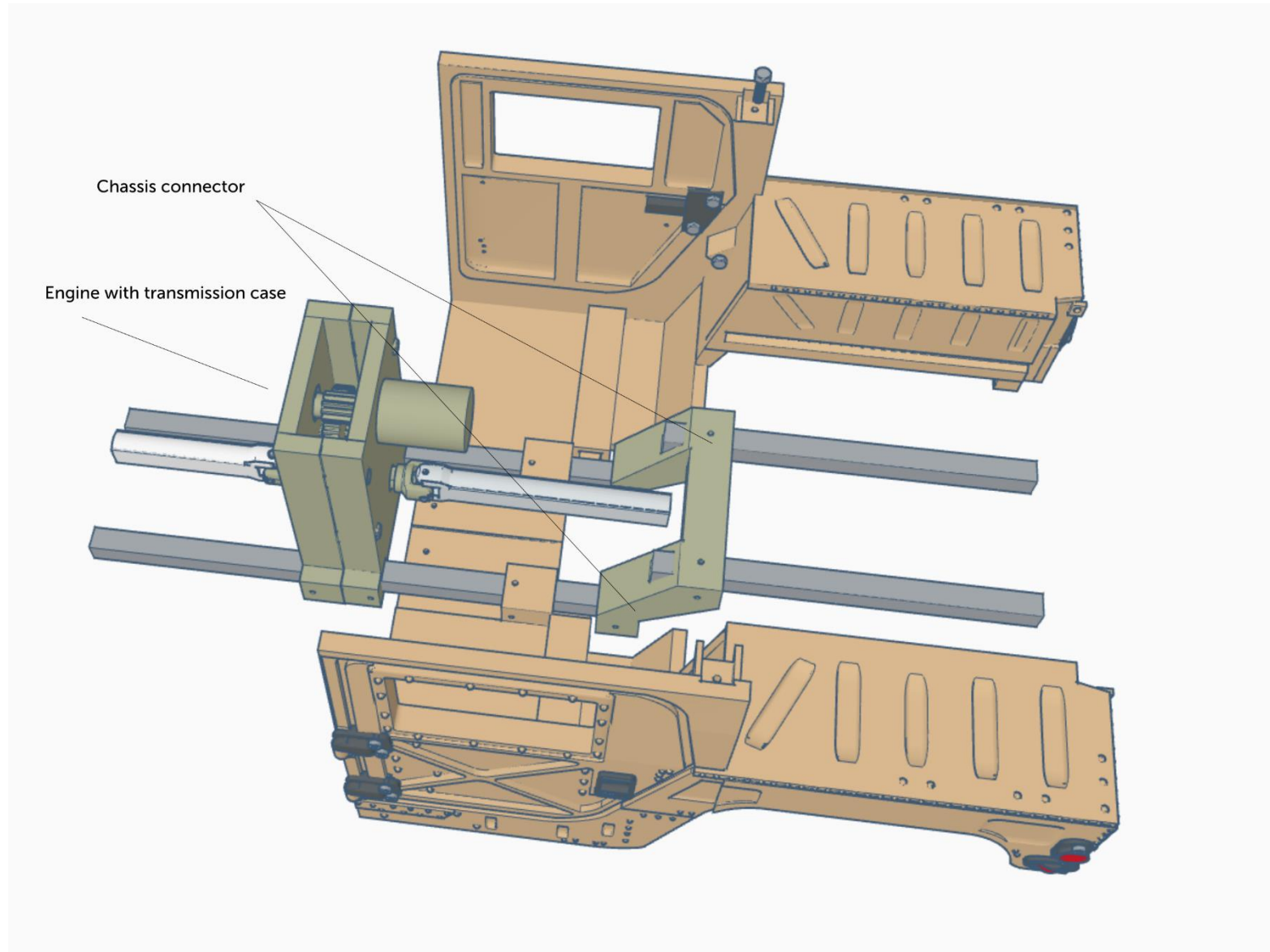




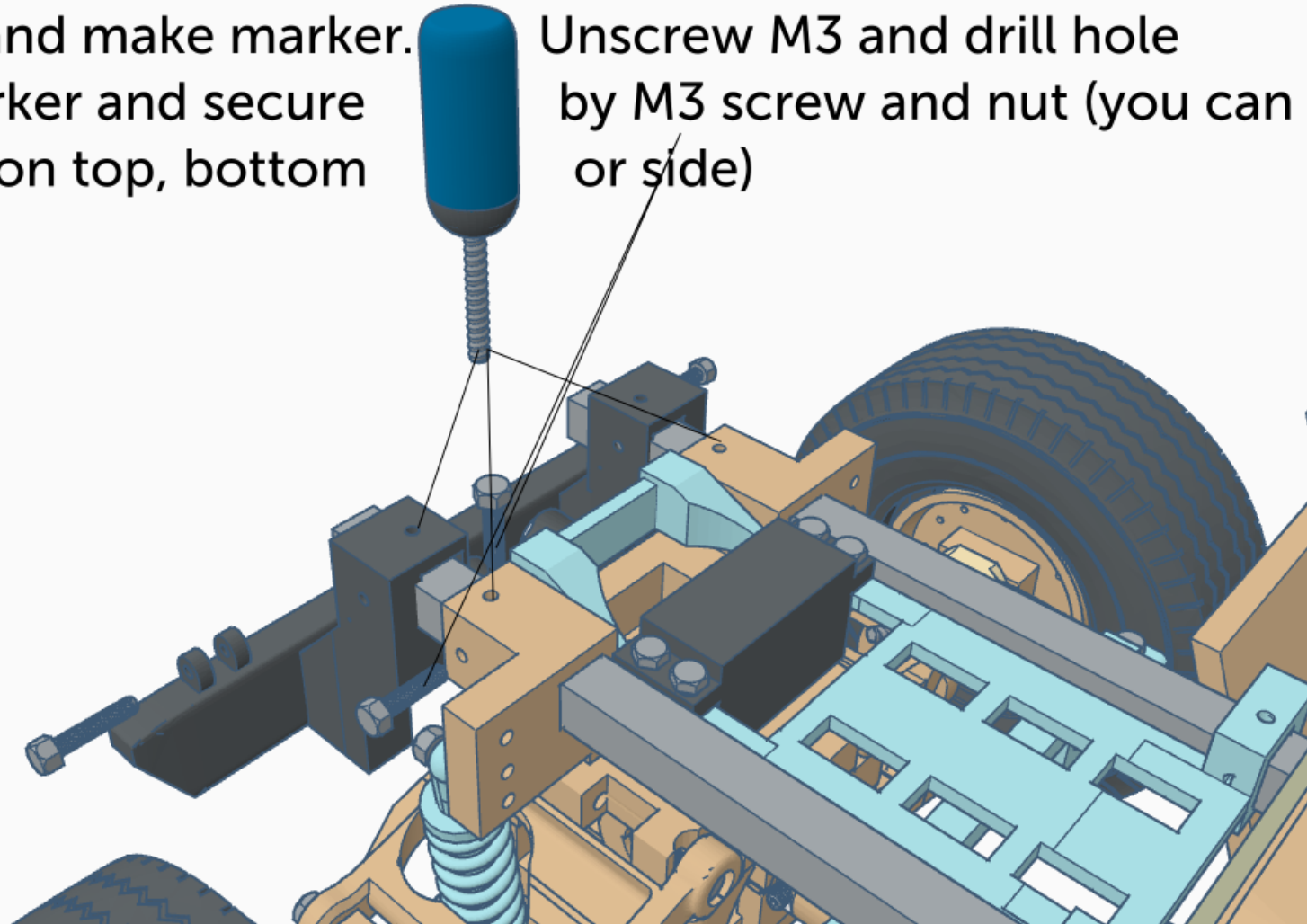


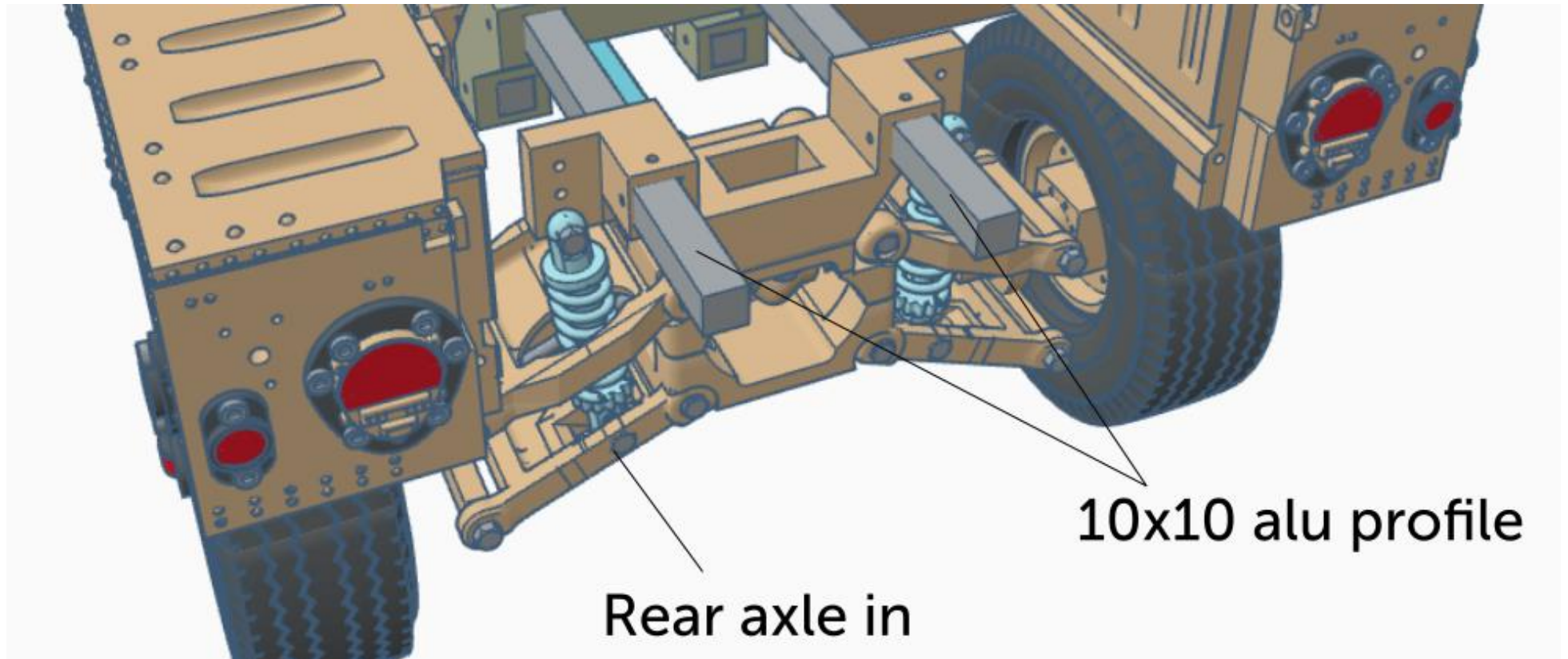
9. Chassis and finish

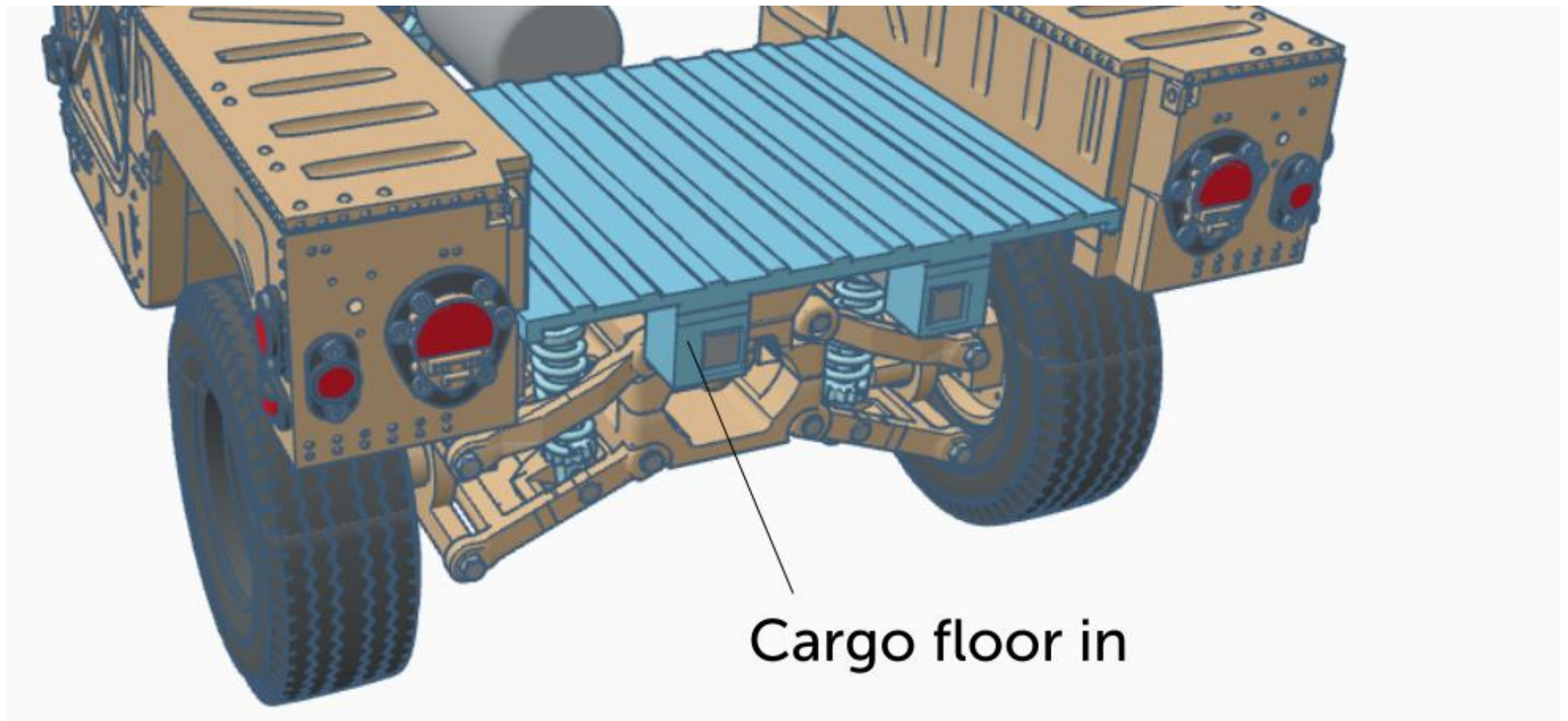


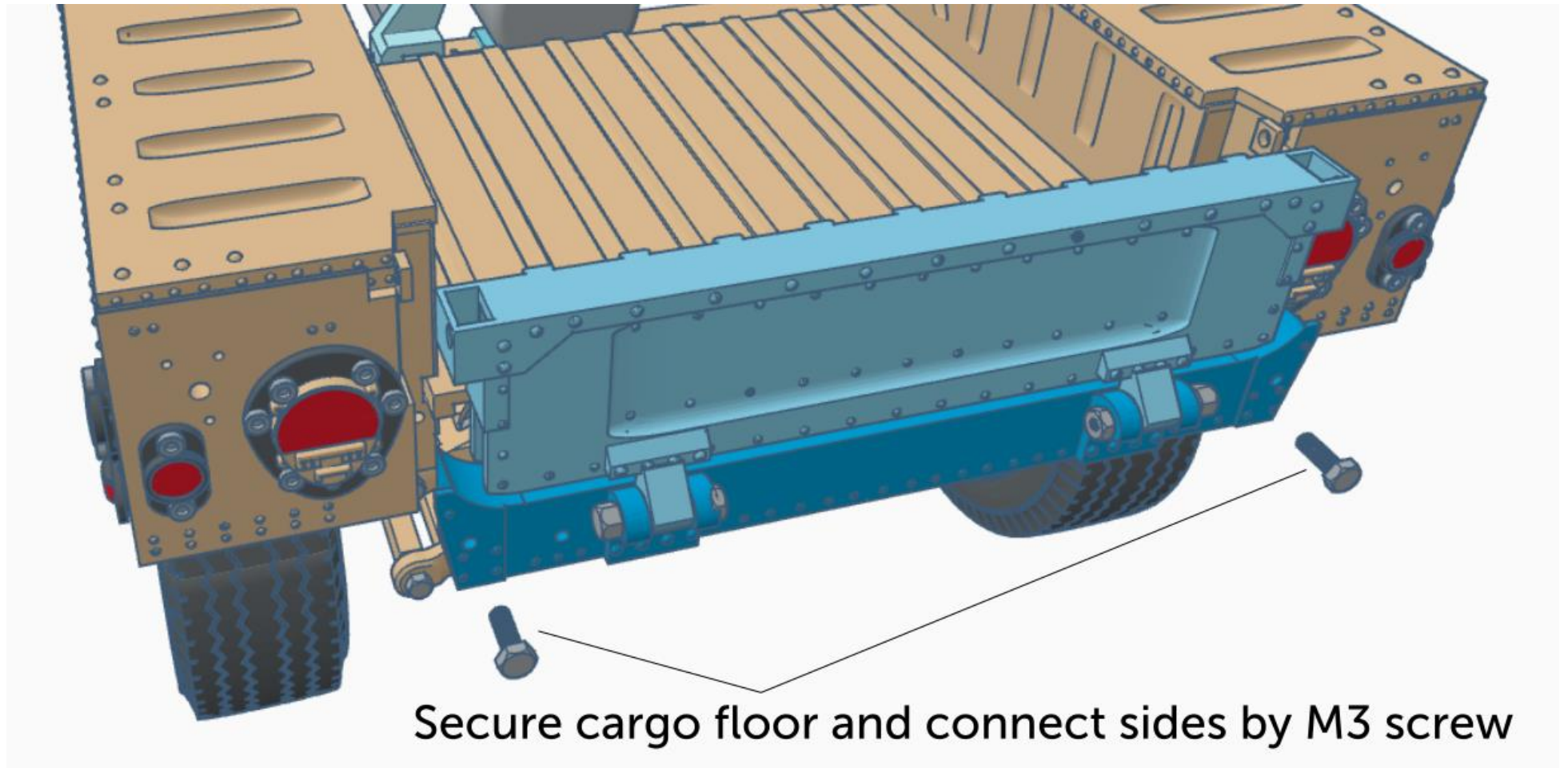


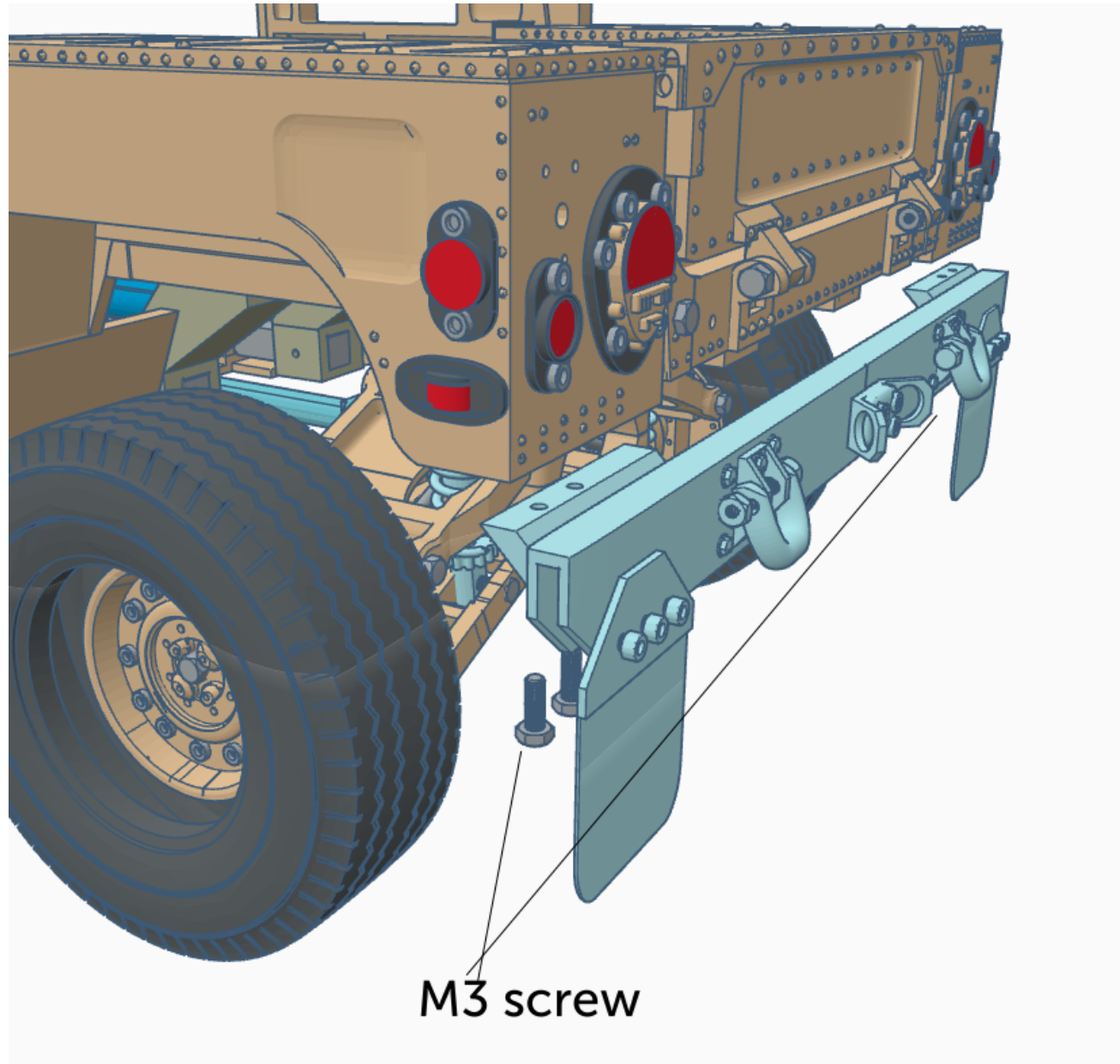
Just information how to secur parts on frame - make sure everything fits and its on correct place, then tide with M3 screw and make marker. Unscrew M3 and drill hole on marker and secure by M3 screw and nut (you can do it fron top, bottom or side)

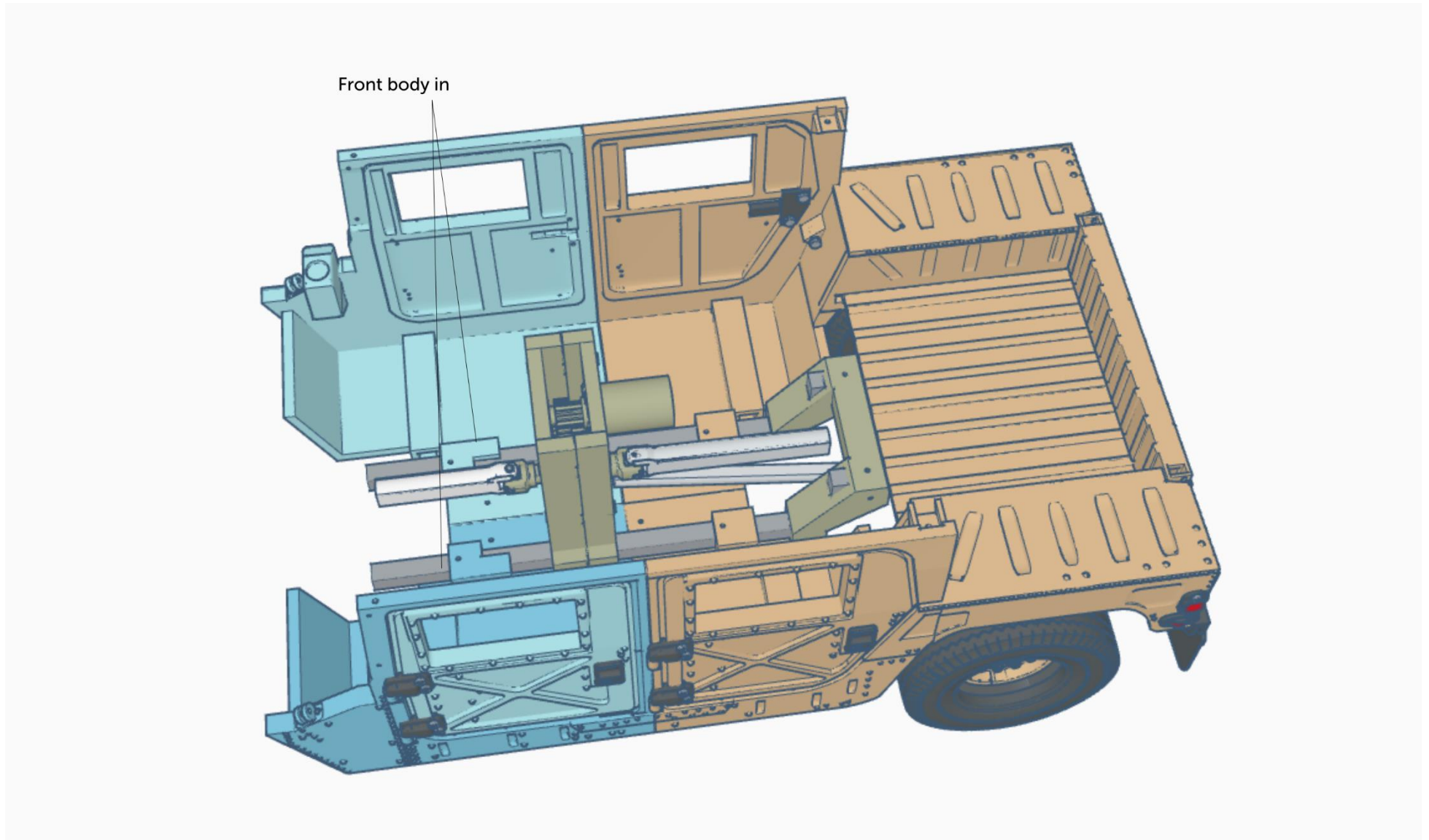


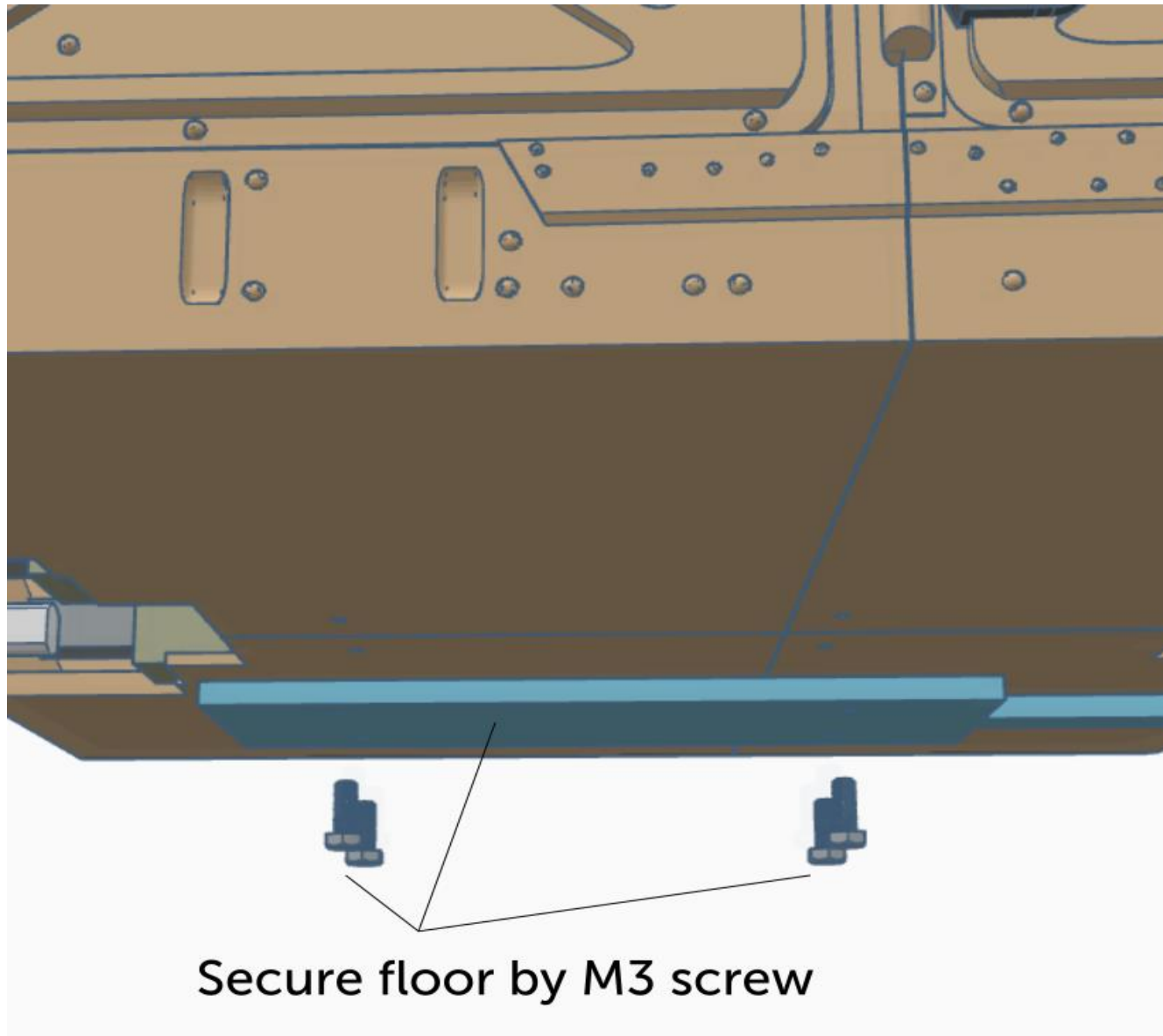


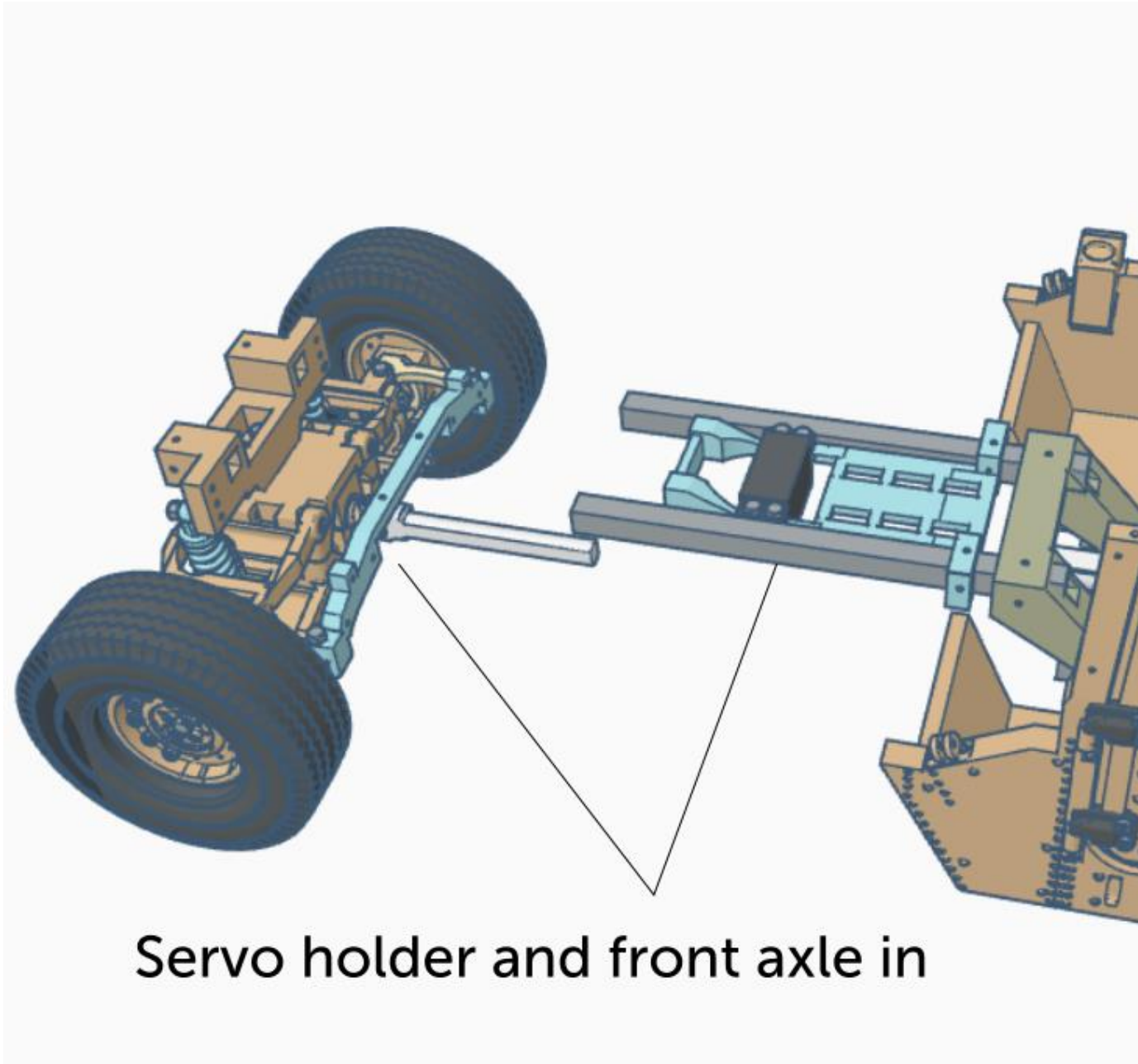




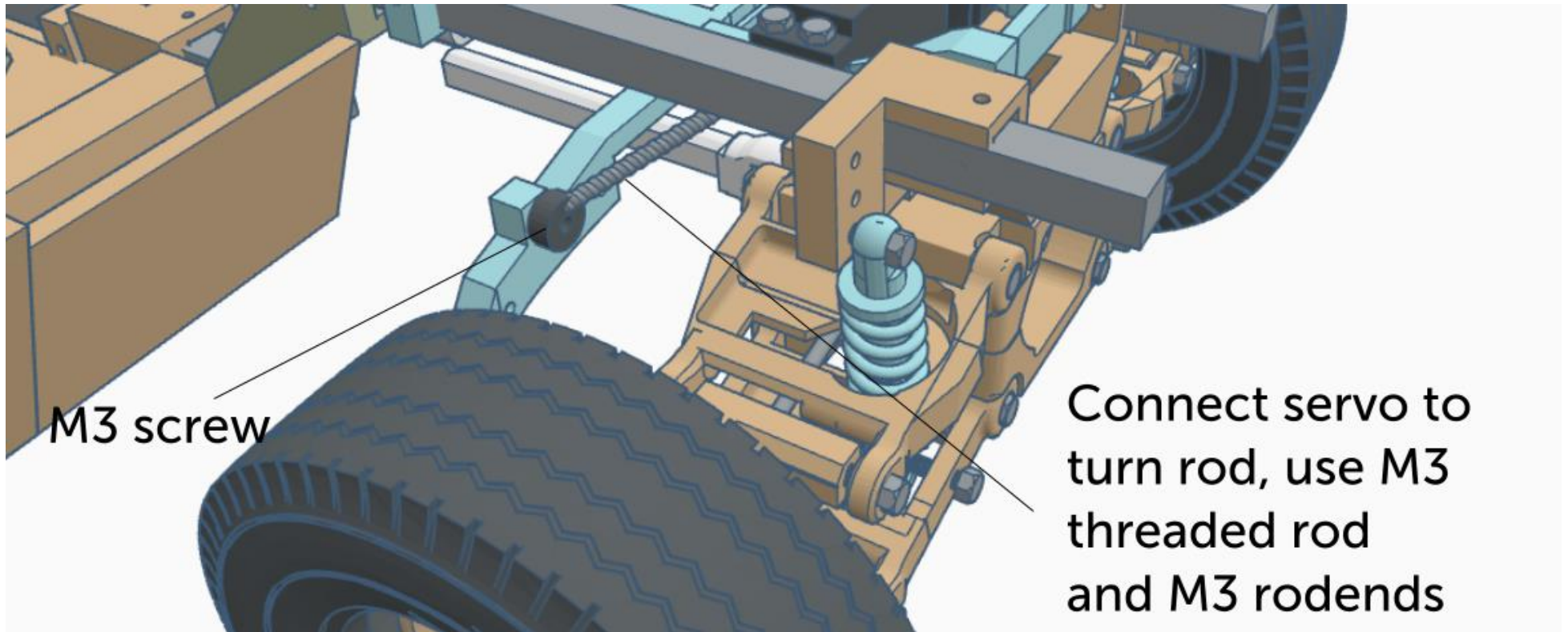


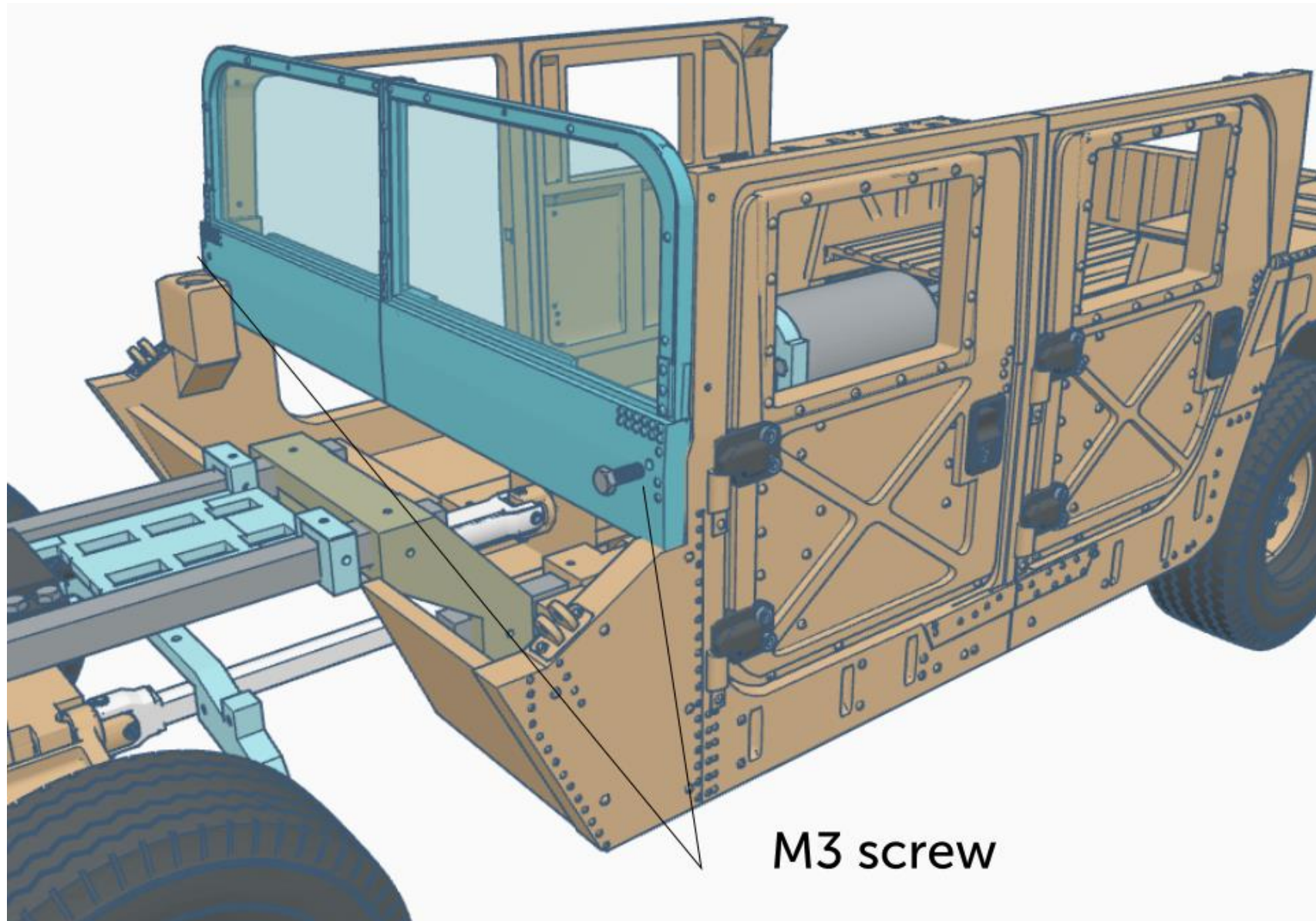


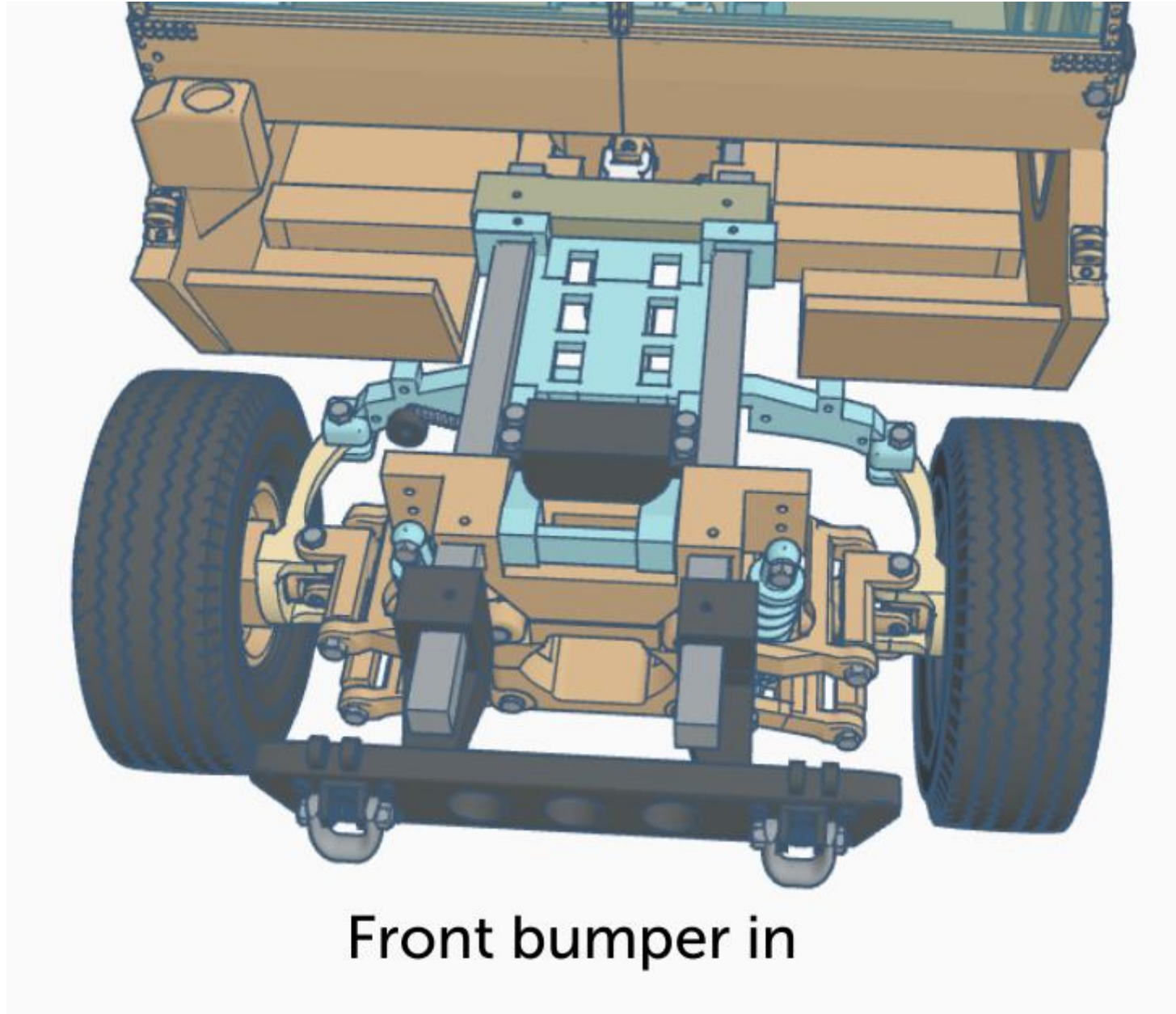


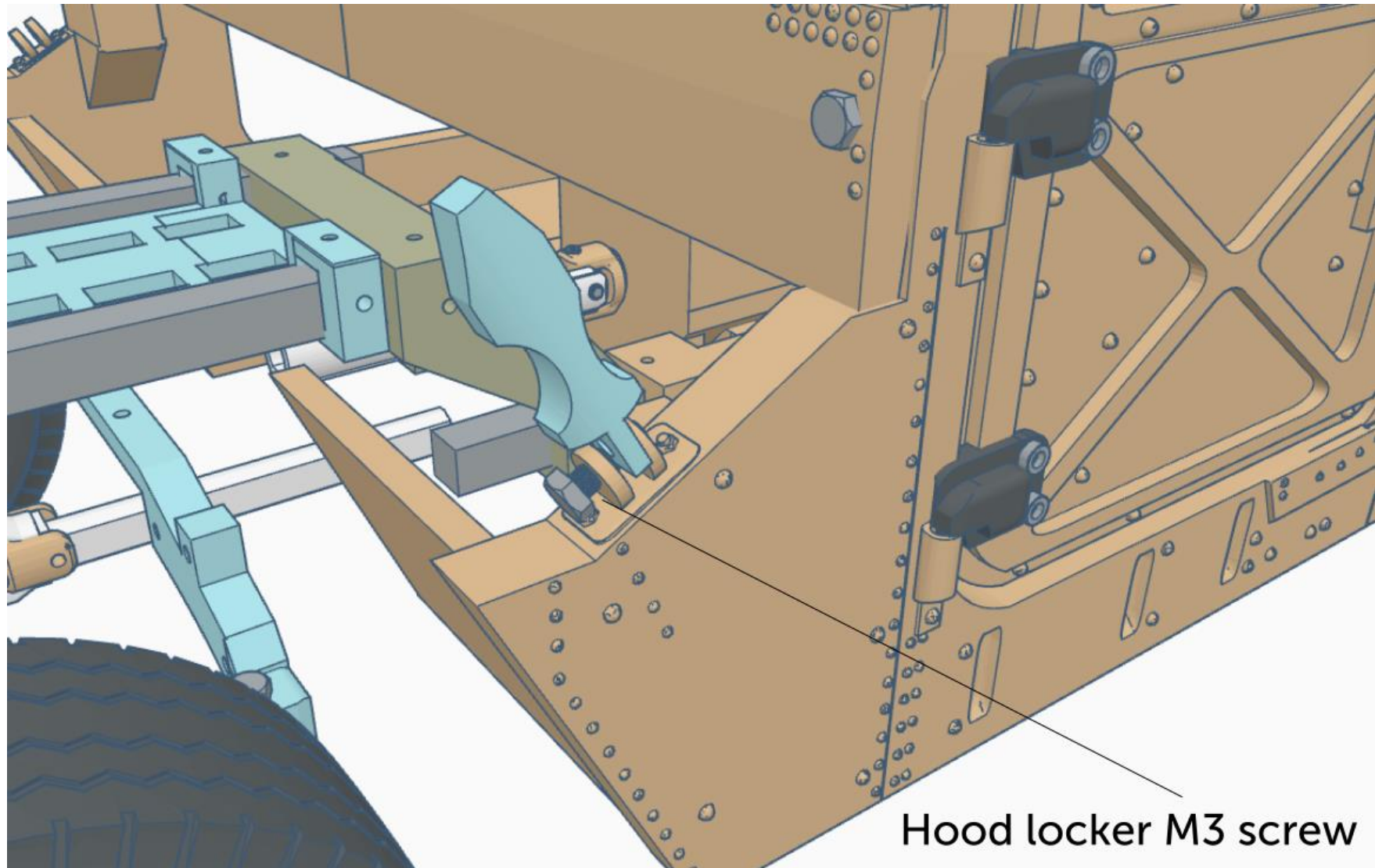


Servo holder and front axle in









Hood locker M3 screw

