



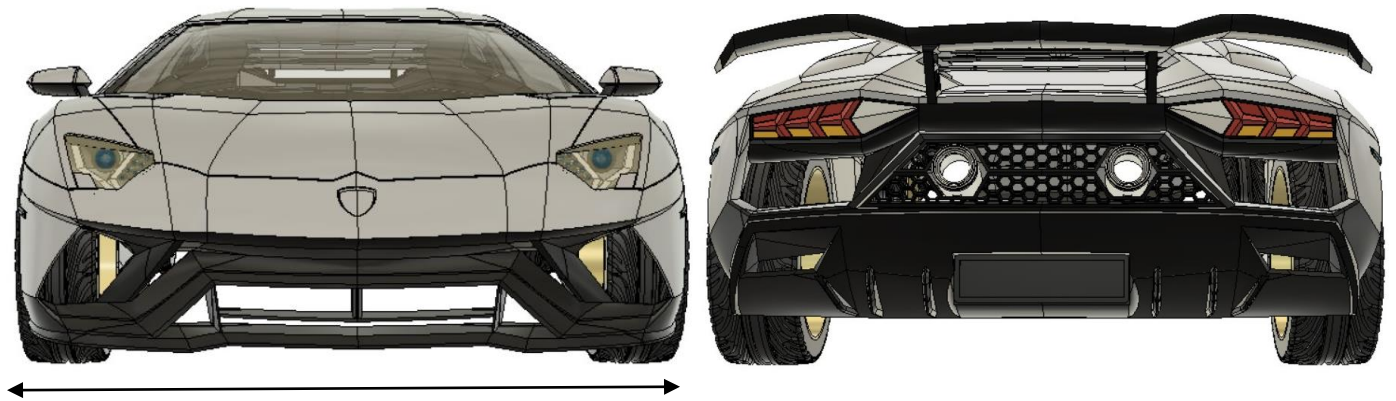
# Instructions „Lamborghini Aventador“



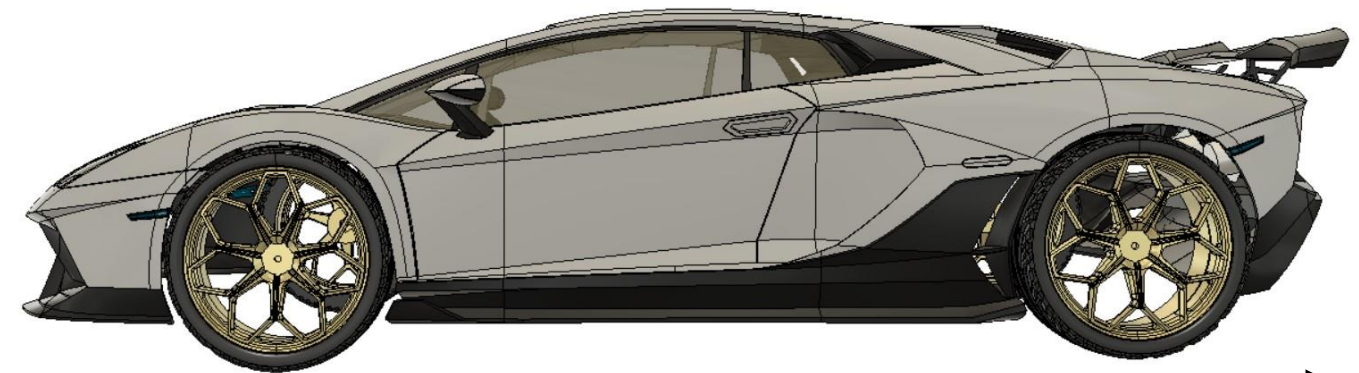
Miroslav Liesner

MLmodel

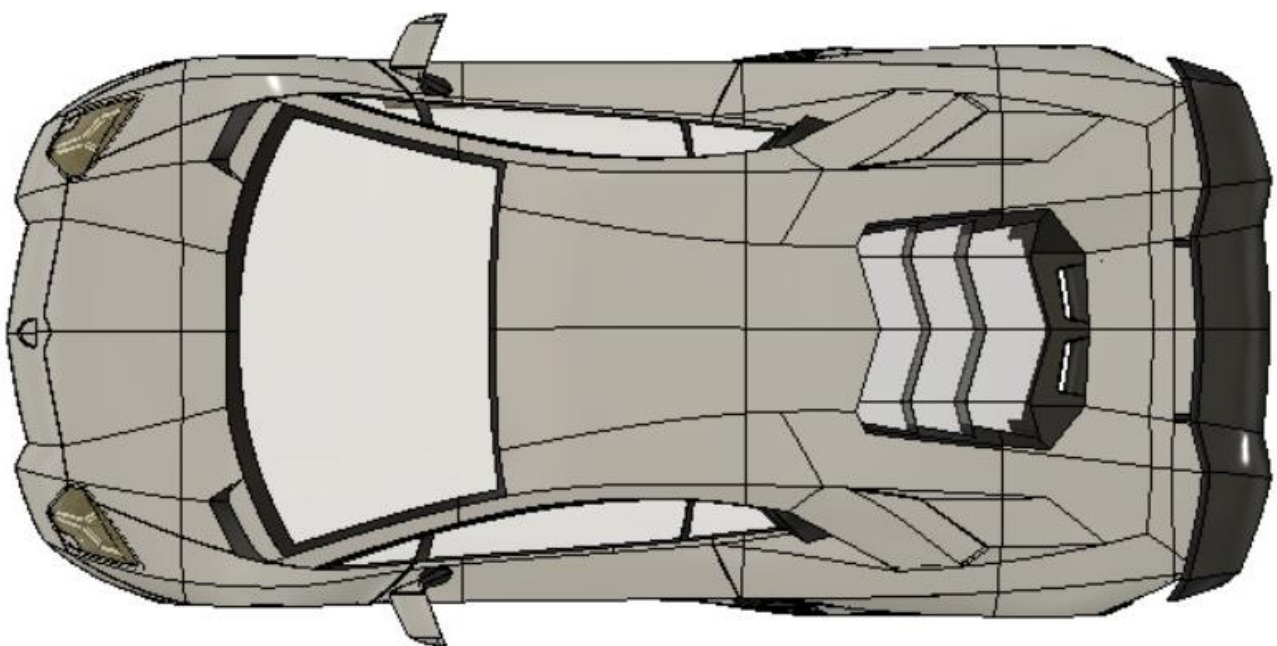
# Construction instructions Lamborghini Aventador 1/5



394,2mm



917 mm



**Thank you for purchasing the STL model files.**

I tried to prepare the parts  
as carefully as possible with regard to simplicity and possible repairability.

Some parts may not exactly match the illustrations in this manual.

These are later modified or improved parts.

**Please follow the updates:**

<http://www.mlmodel.webnode.cz>

**For construction you will need:**

**2 kg of quality PLA**

**Transparent PLA Crystal Clear from Fillamentum - parts are marked "Clear" in the manual**

**Flex filament - parts are marked "Flex" in the manual**

**Medium cyanoacrylate glue + activator**

**Durofol 0.4mm - <https://www.peckamodel.cz/6bi3019-durofol-0-4mm-v-rozmeru-0-5x1m-280g-bm>**

**2x M3 screws**

**4x LED 5mm- white**

**LED rectangular 2x5mm- 24x red, 6x yellow**

**LED 3mm- 14x yellow, 4xorange**

**LED wires**

**Resistors 180R**

**(paints, varnish, etc.)**

**I strongly recommend - print all stressed chassis parts from the  
"Prusament PC Blend Jet" filament !!**

Recommended print settings:

**Nozzle: 0.4 mm**

**Extrusion width: 0.4 mm - 0.45 mm**

**Layer height: 0.15 mm - 0.25 mm**

**Infill: 5%**

**Perimeters: 2**

**Parts that are to be printed differently have this stated in the title or in the instructions.**

**Printing speed: 70 mm / s, outdoor perimeters 30 mm / s**

**Temperatures: 220 ° C HE, 50 ° C HB**

**Parts printed with support are called "support".**

**This is my recommended printer setting,**

**However, you can also use your proven ones.**

**Before gluing the parts together, test their seating.**

**Use a file to compare the contact surfaces,  
sharp knife or sandpaper.**

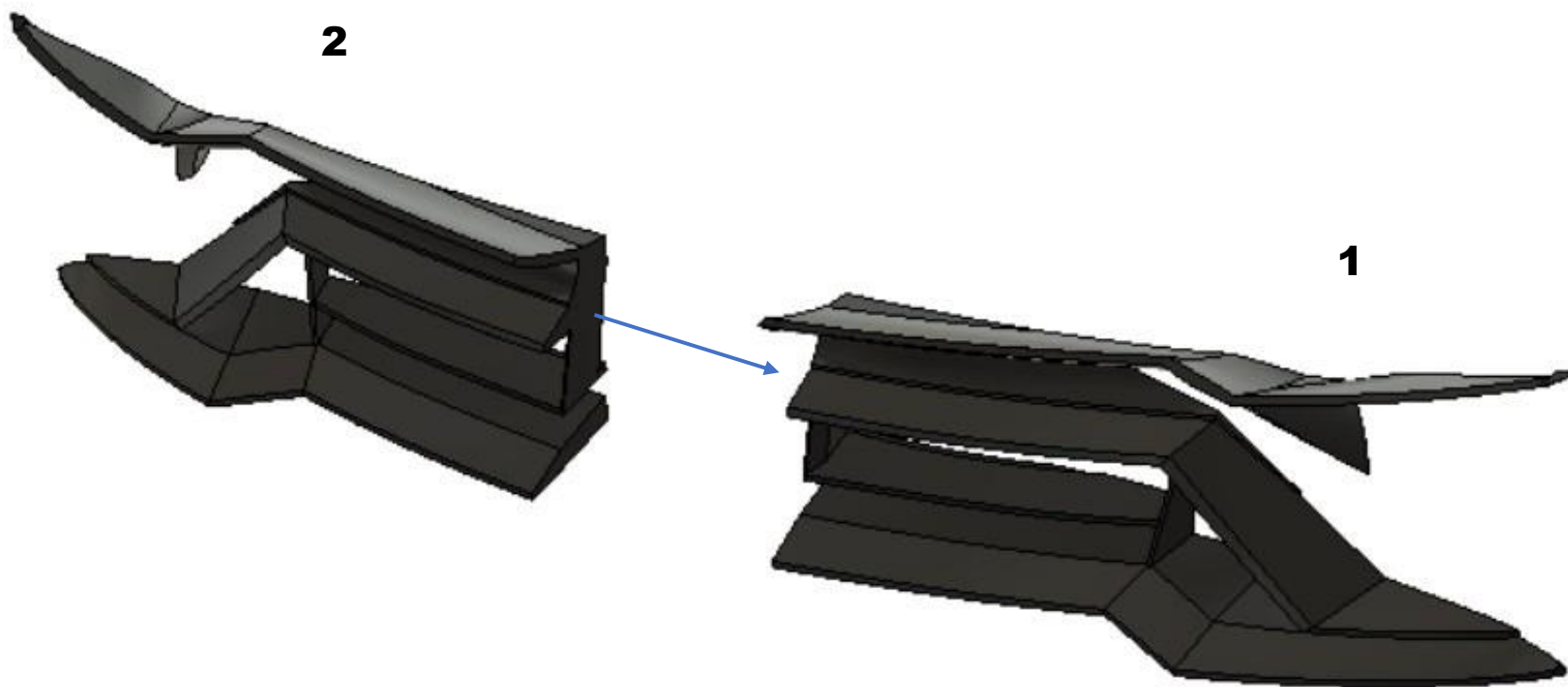
**The most common problem is the "elephant's foot" - an  
extension of the press**

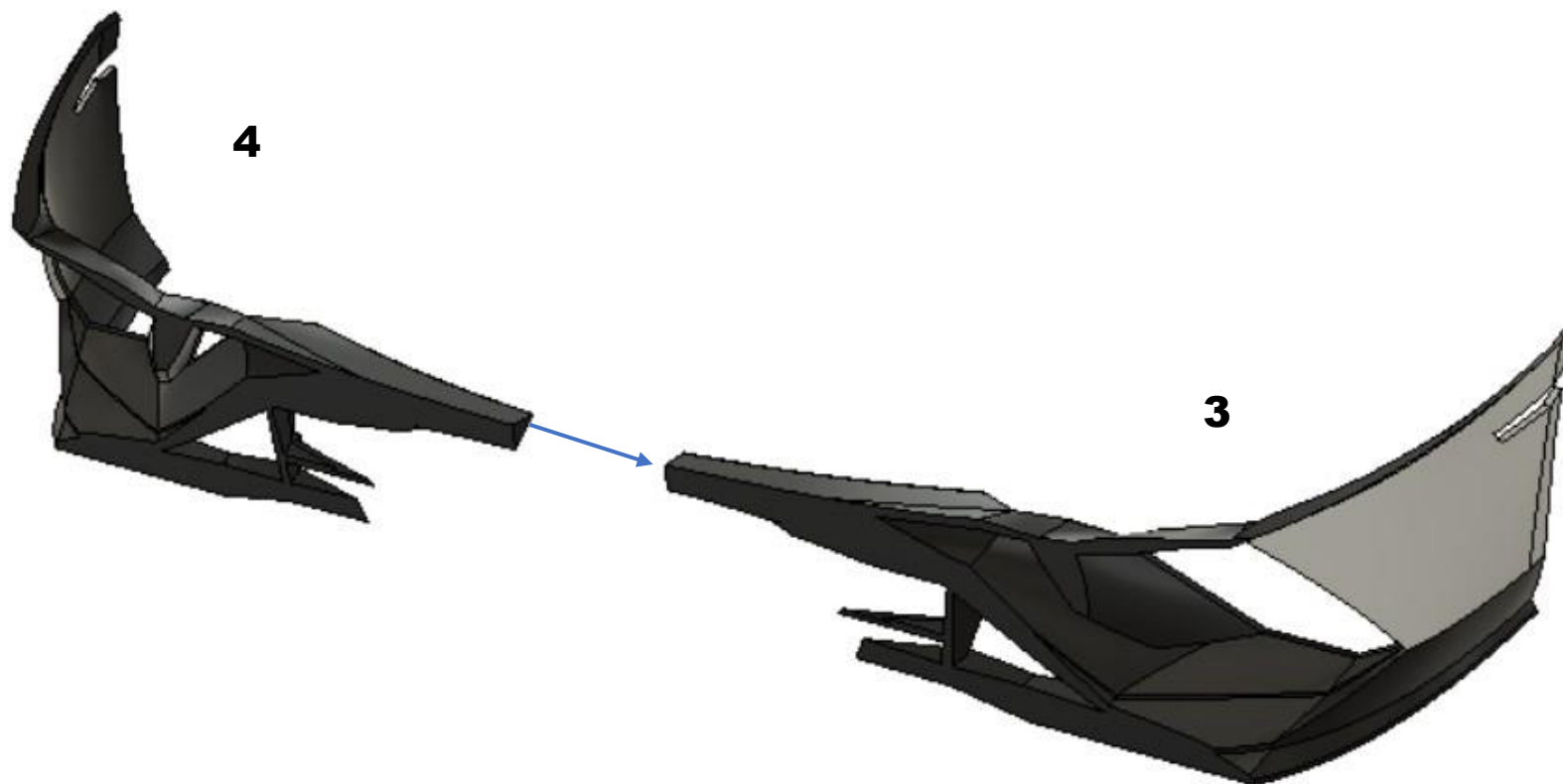
**on a mat. This must be ground.**

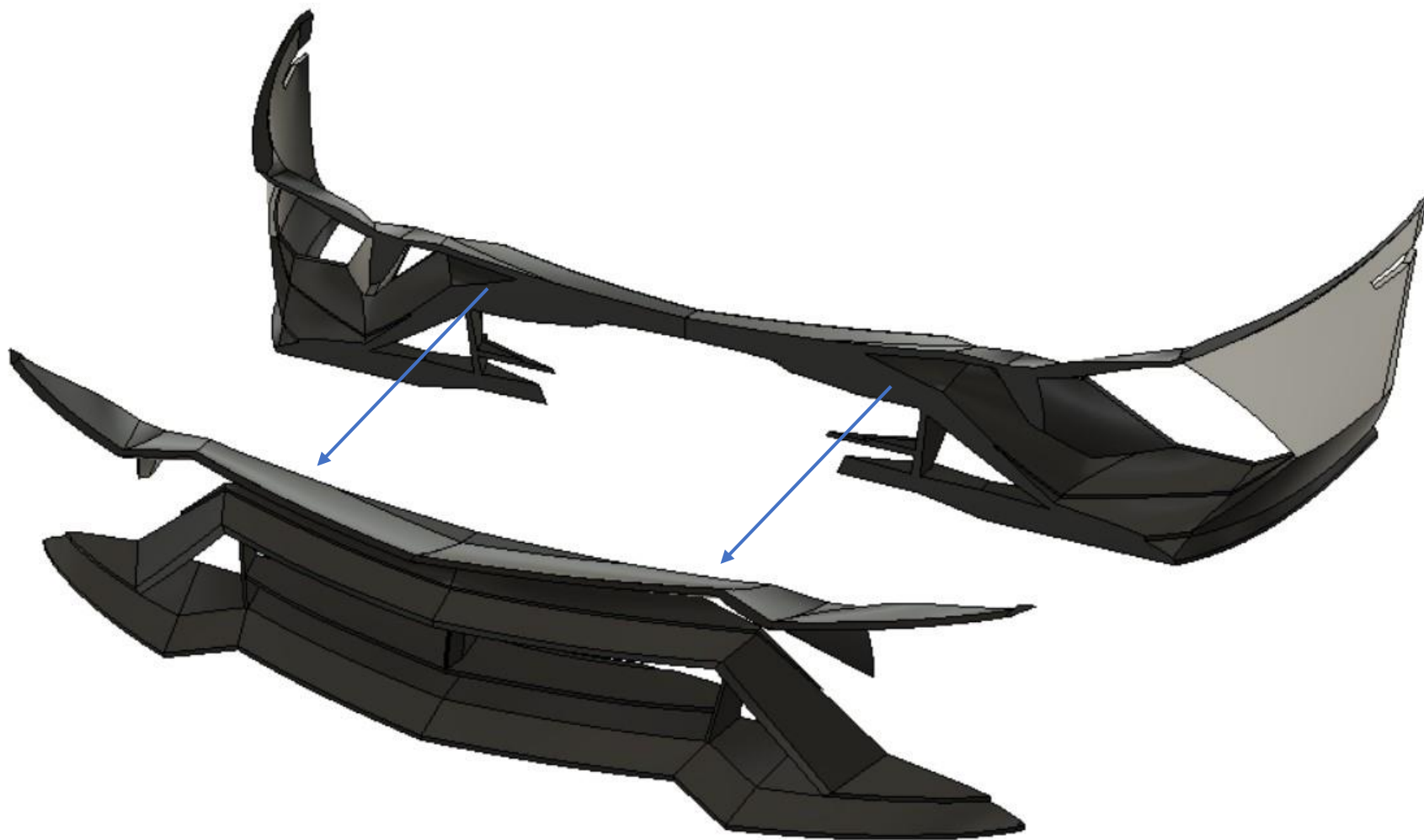
**Also carefully plan the seam placement.**

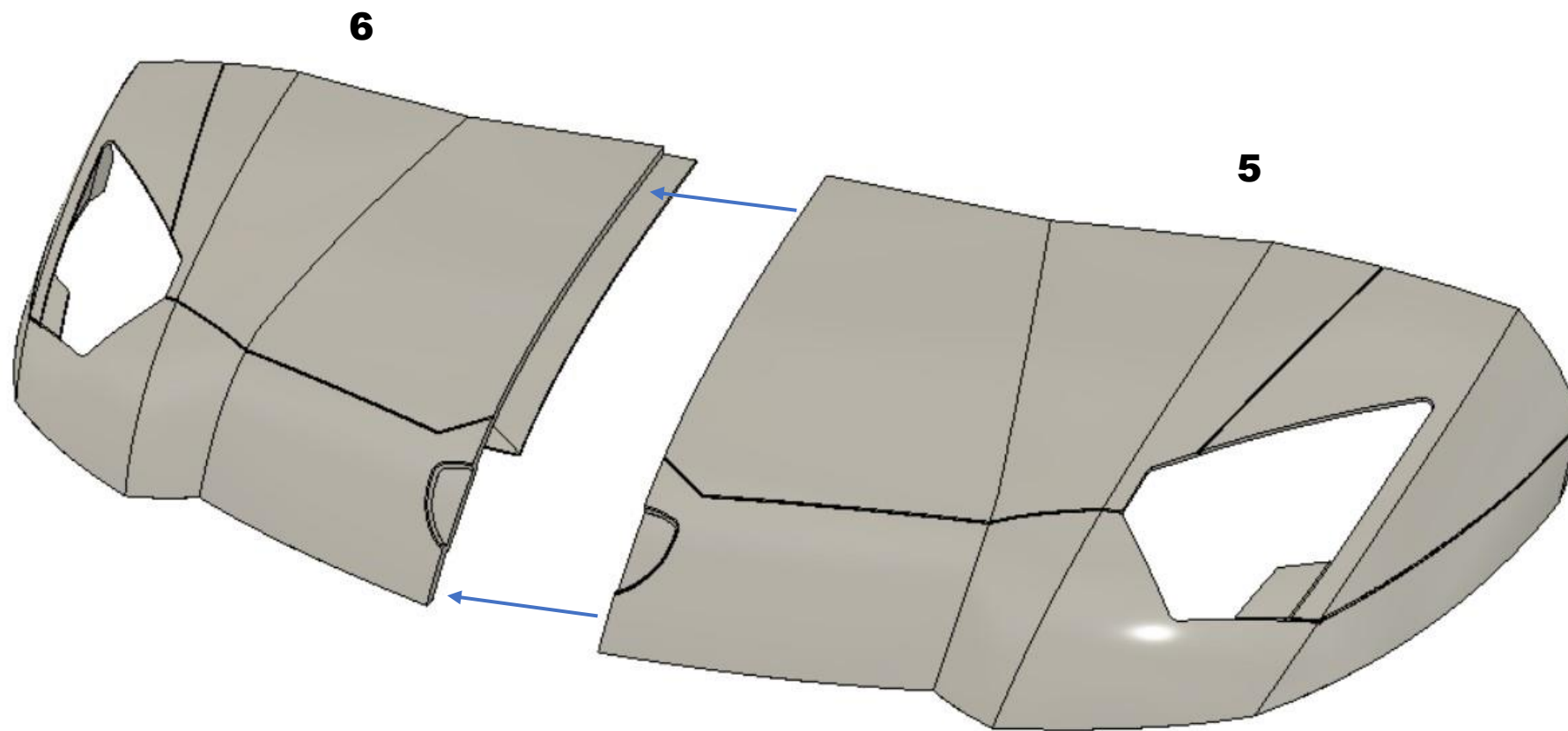


# Body shell

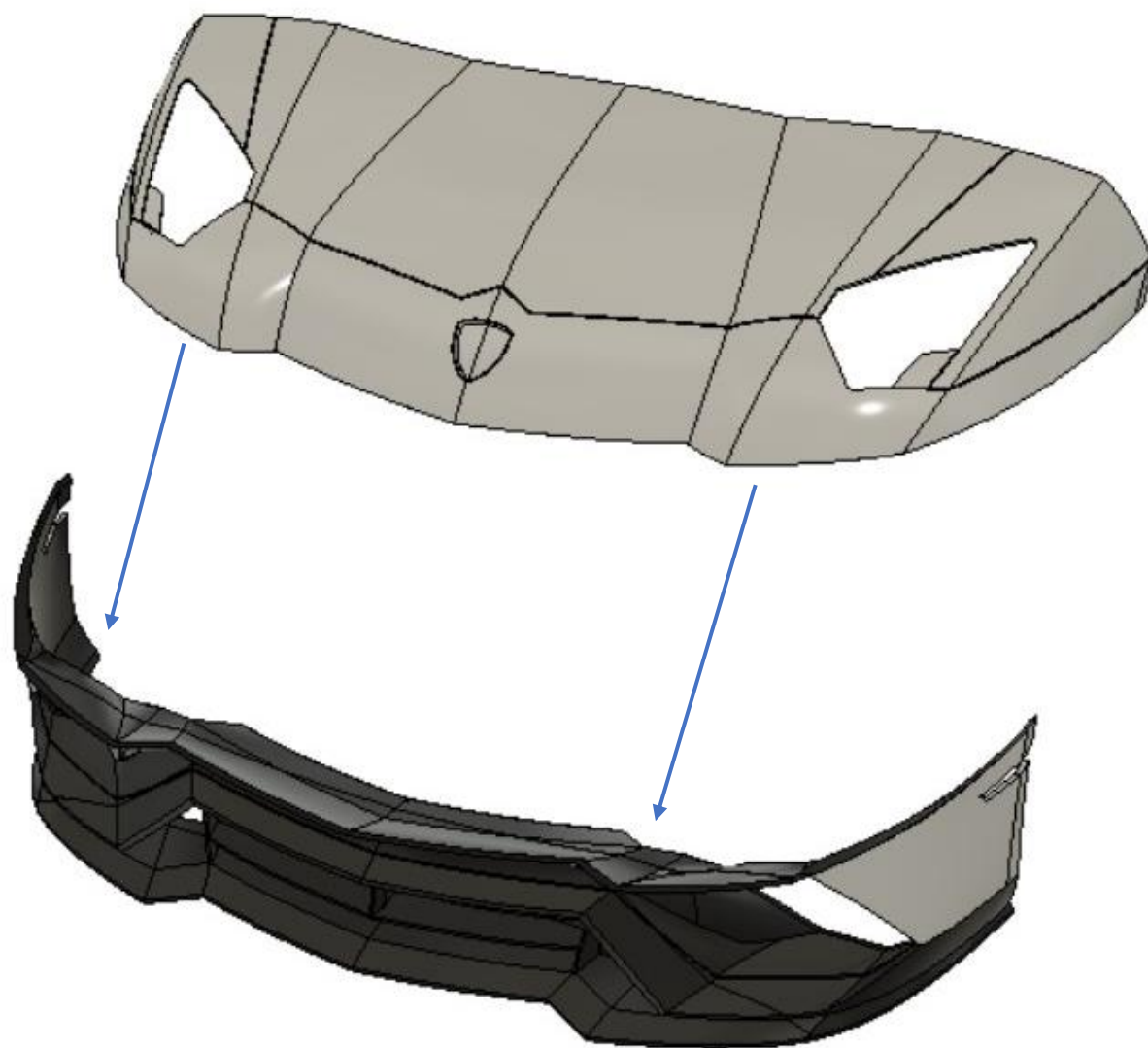


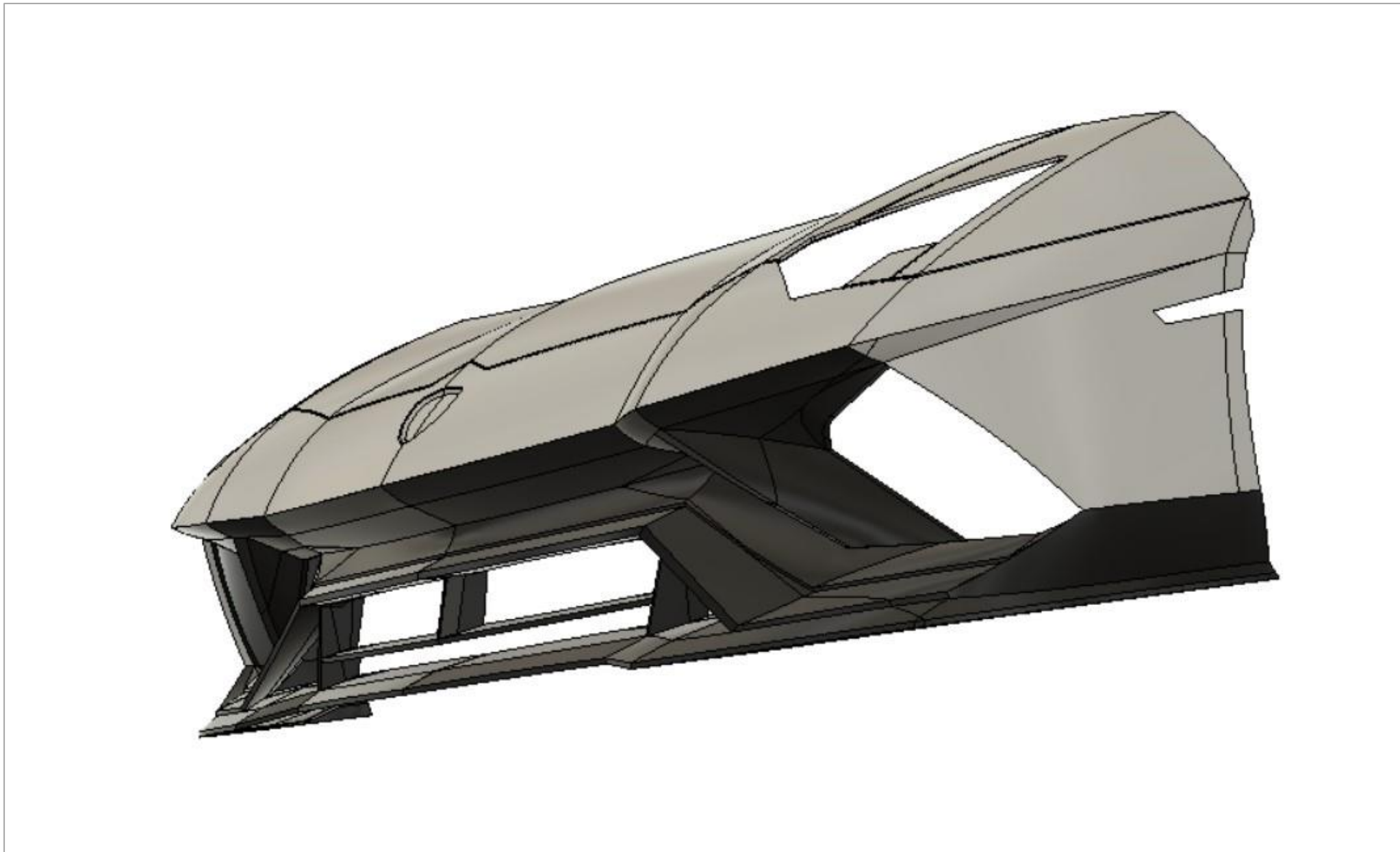


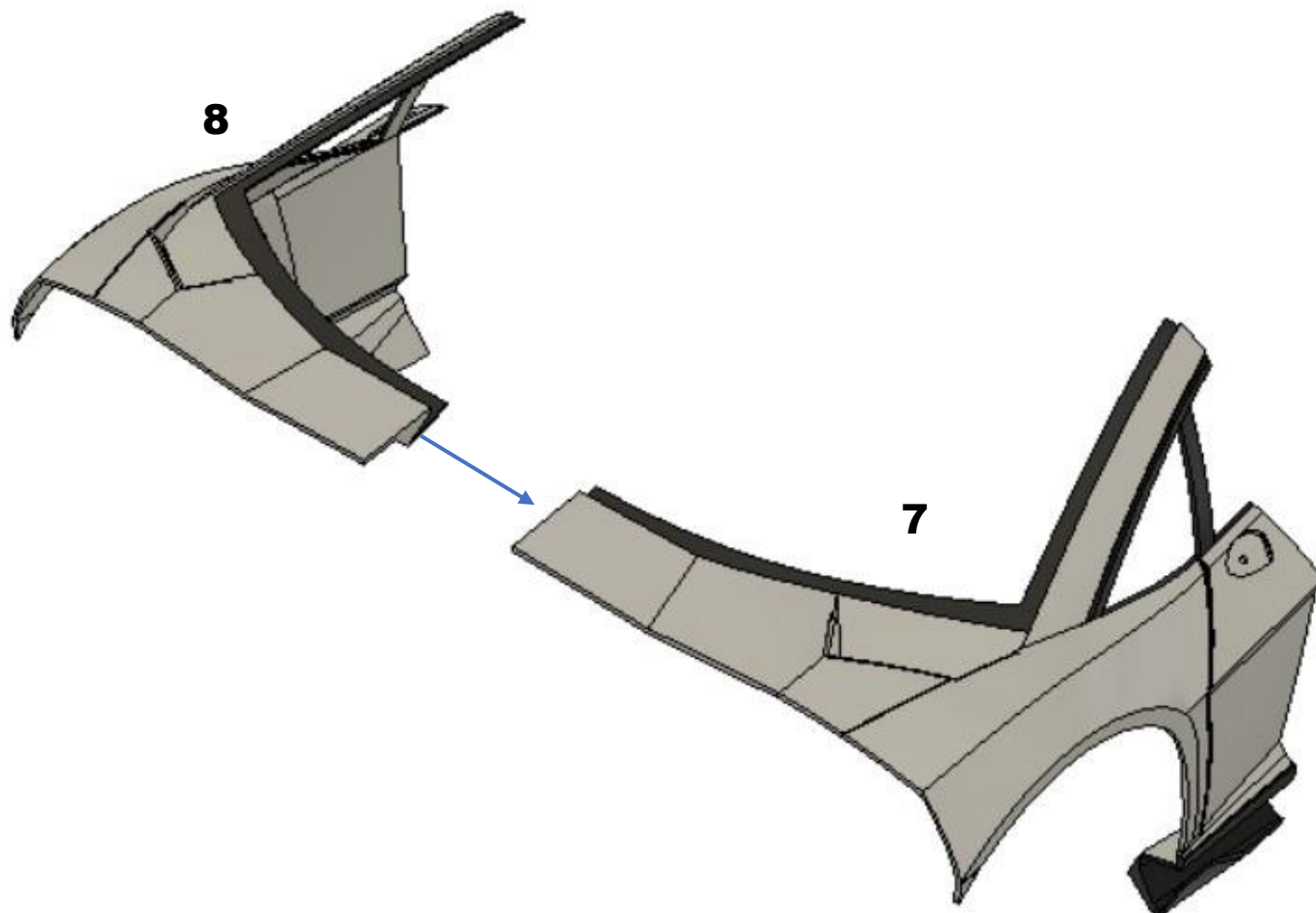


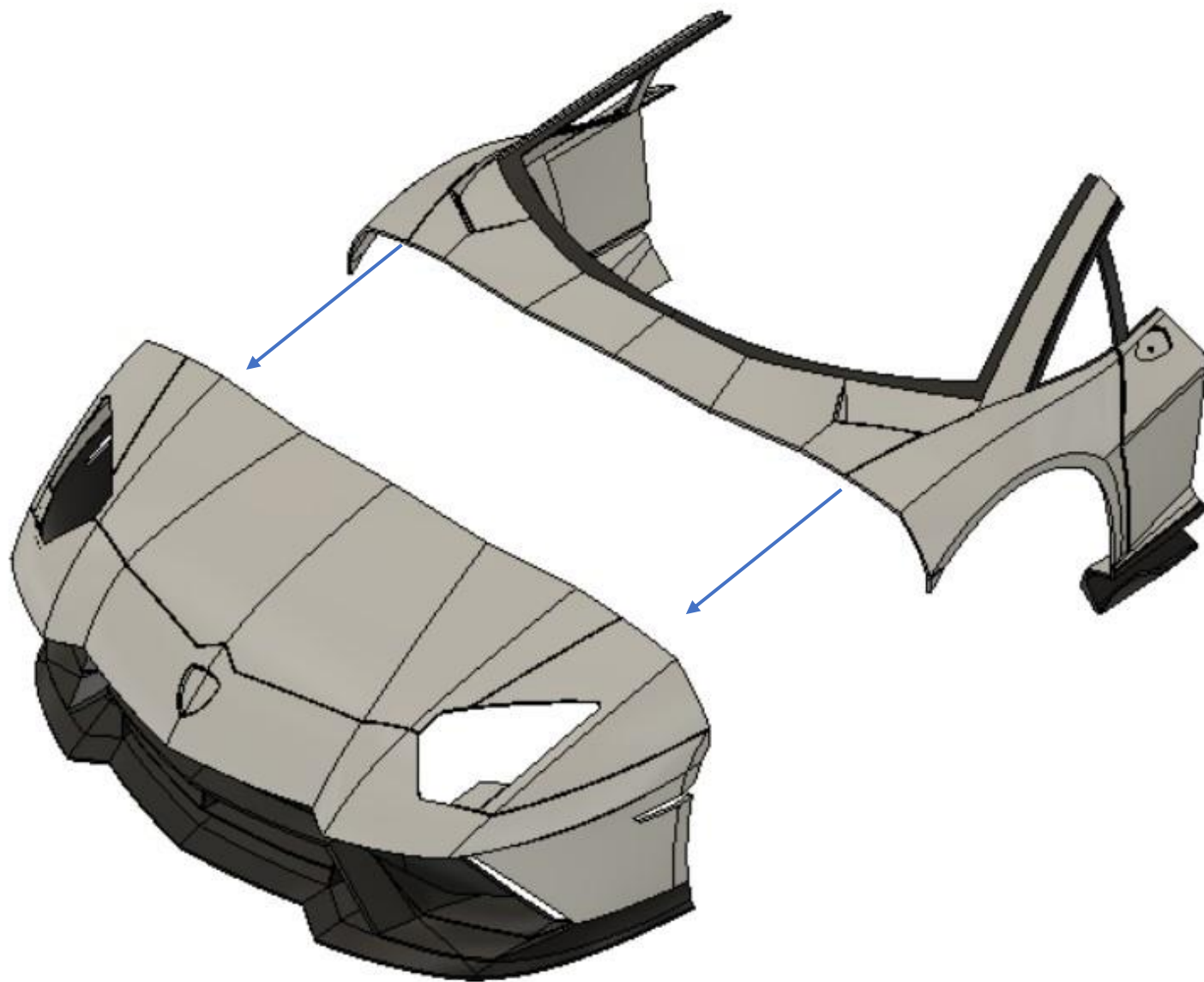


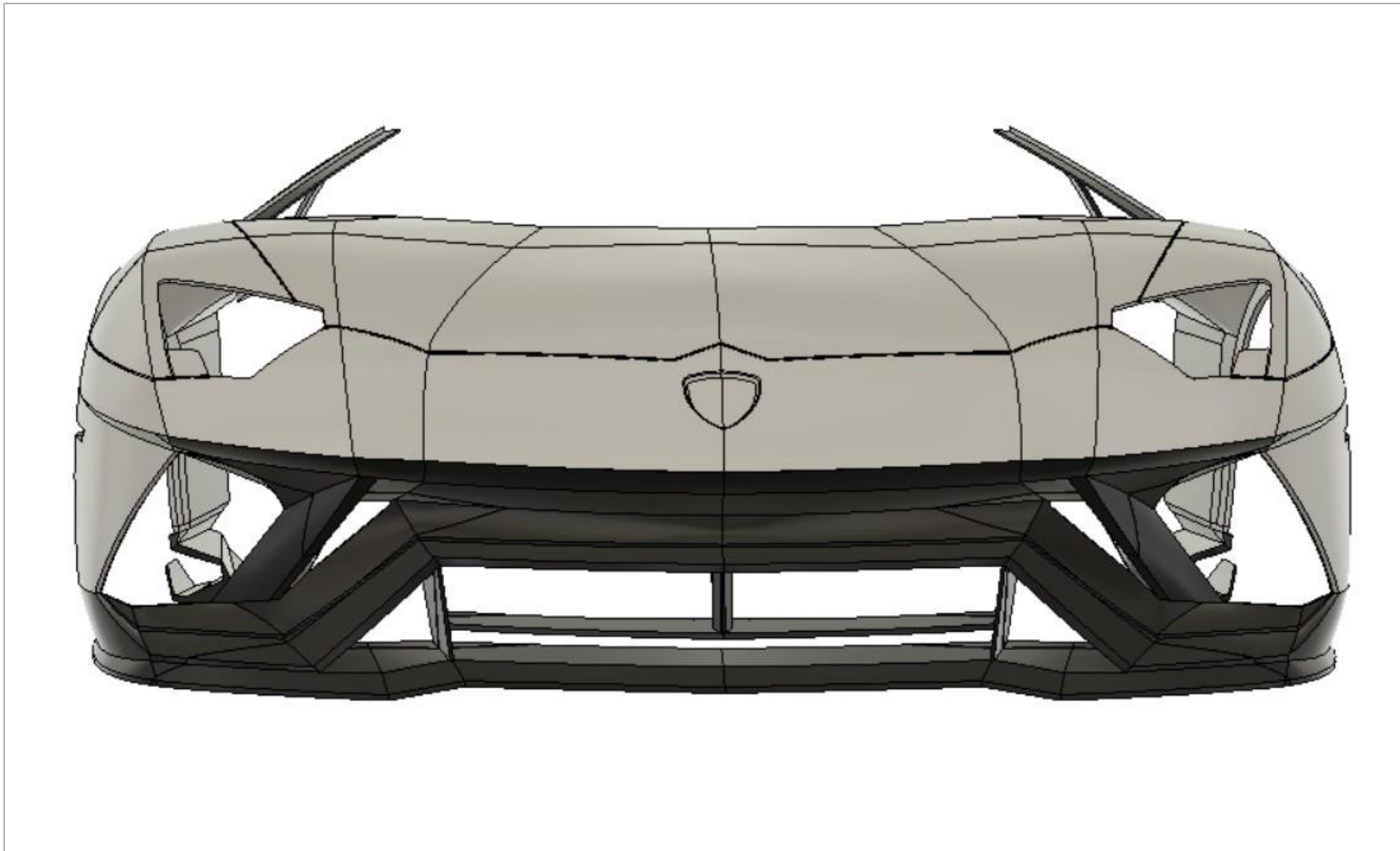


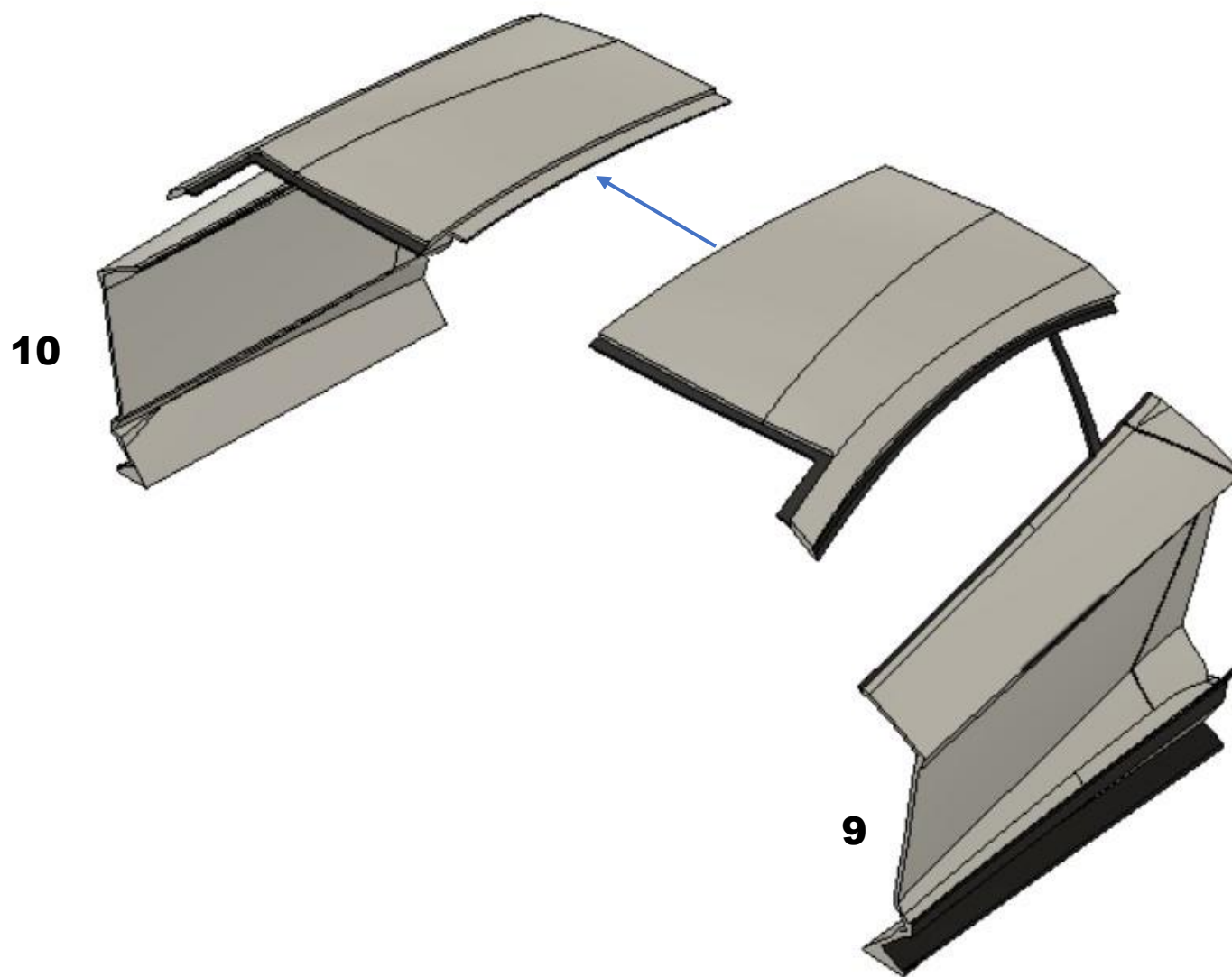


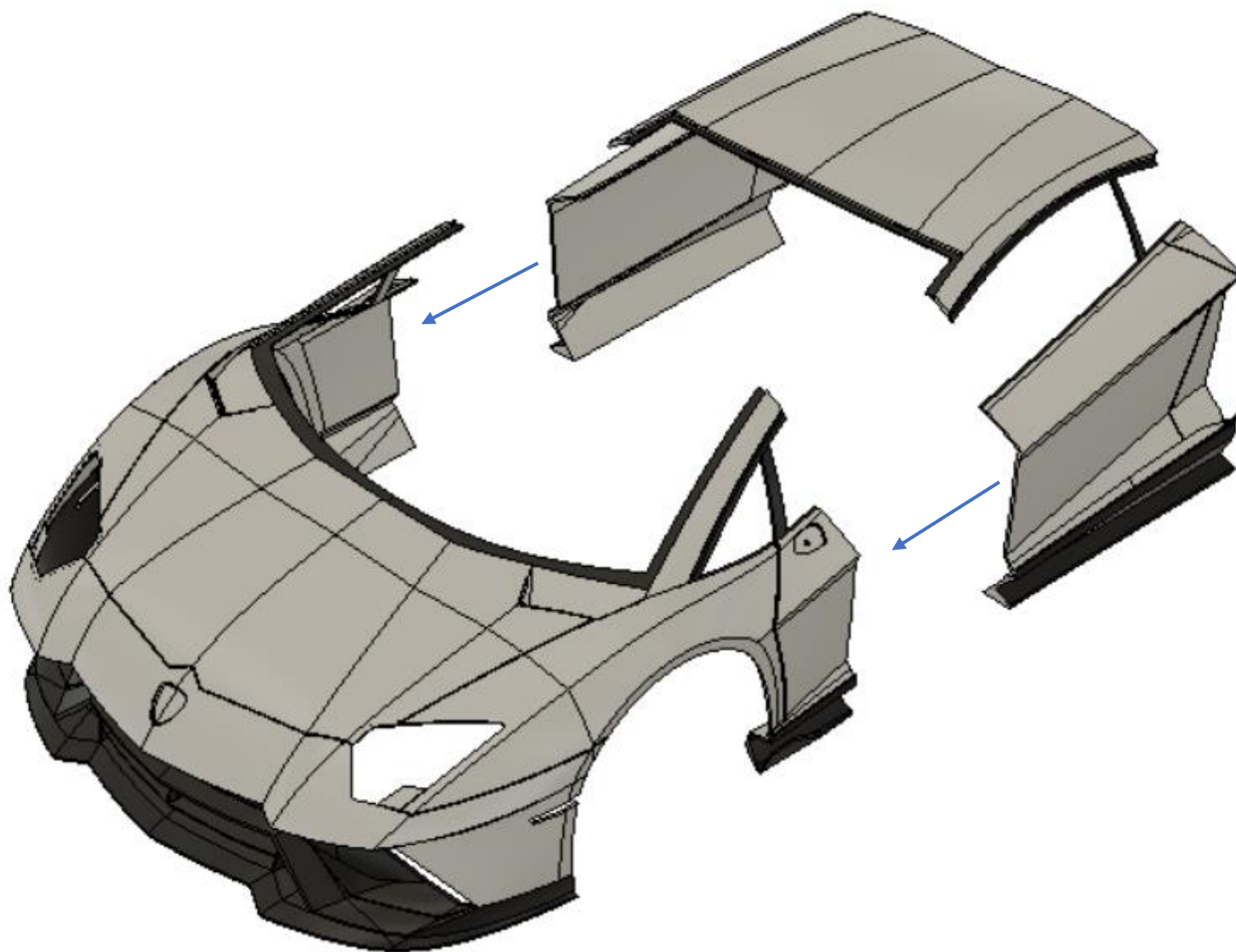


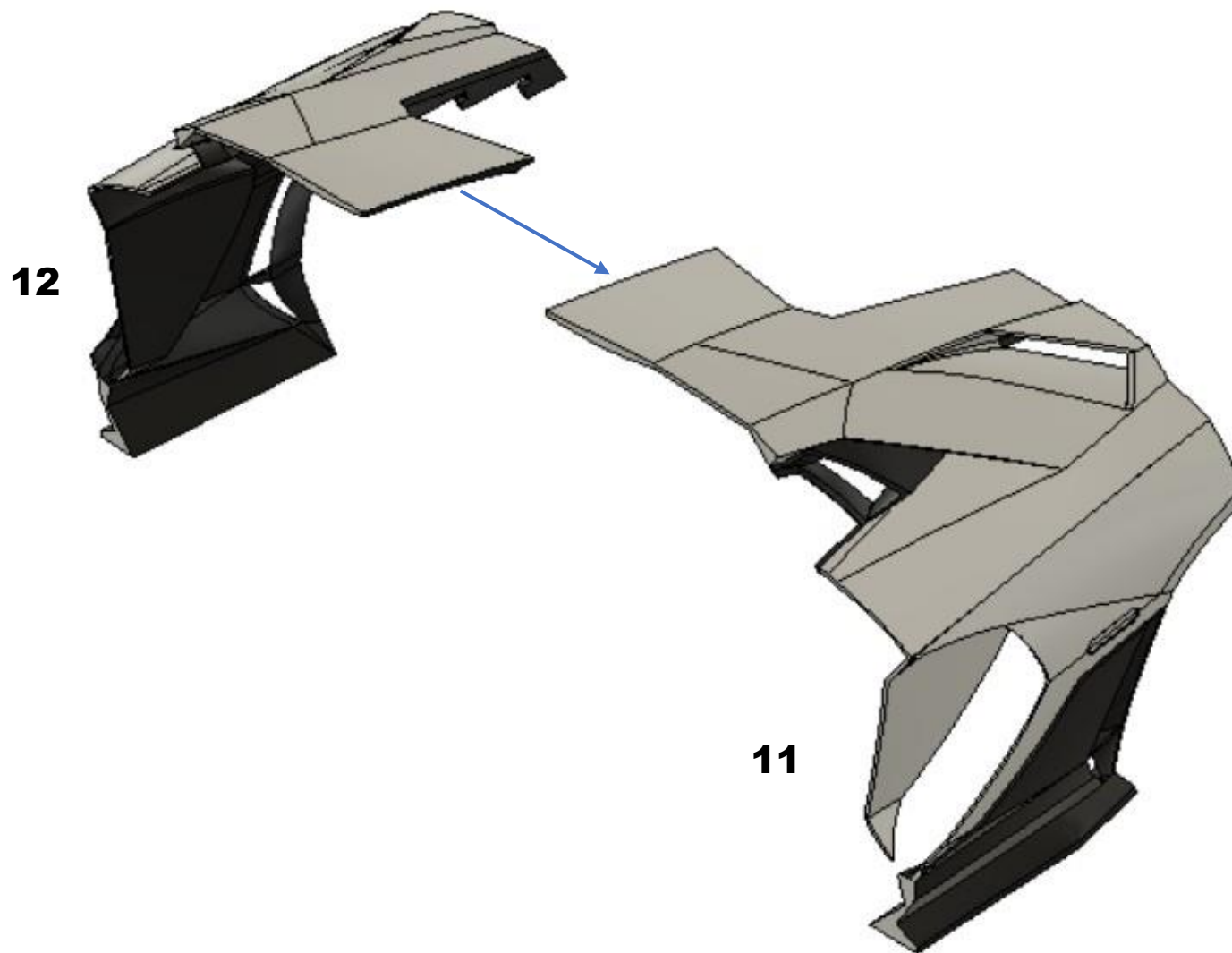




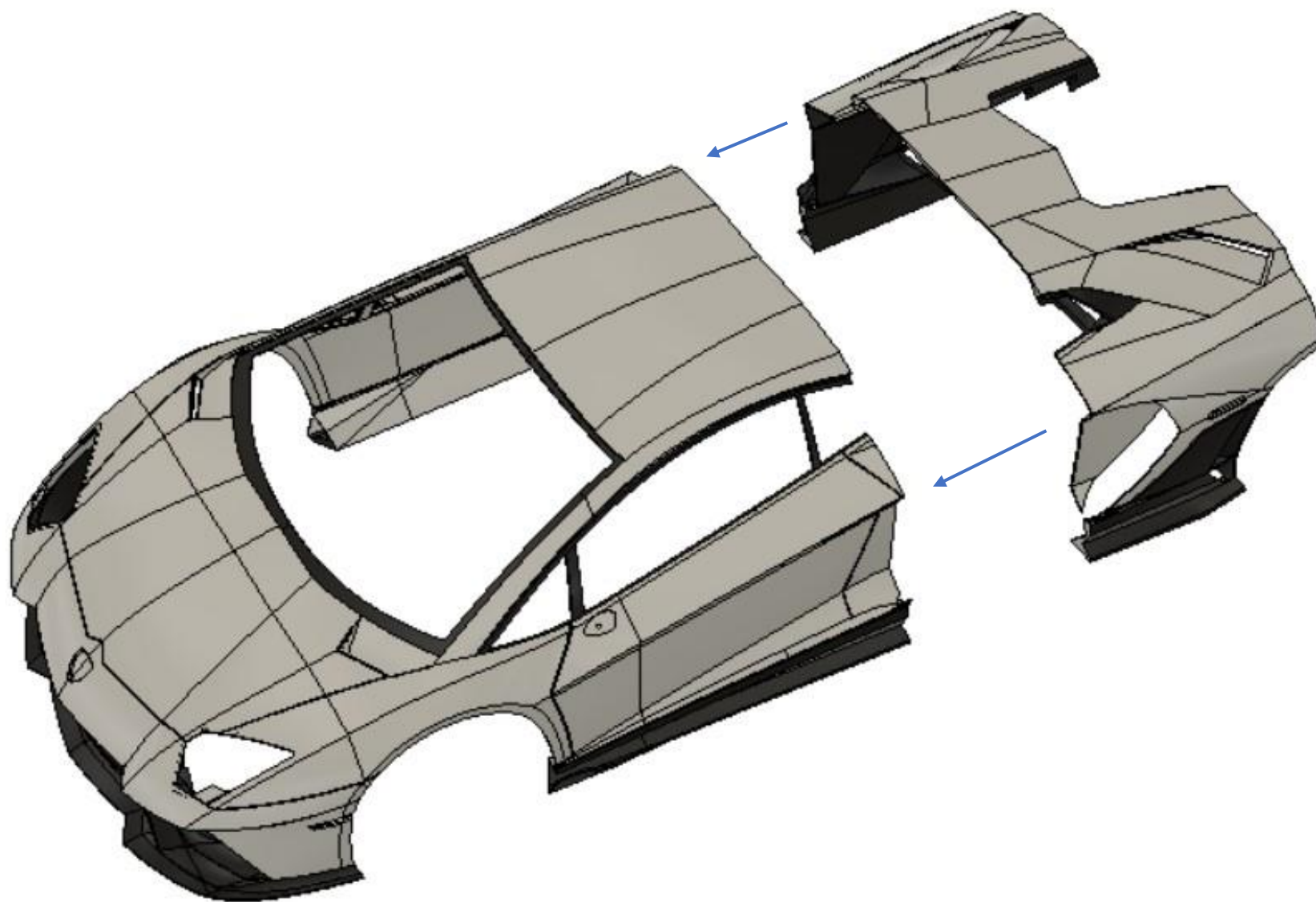


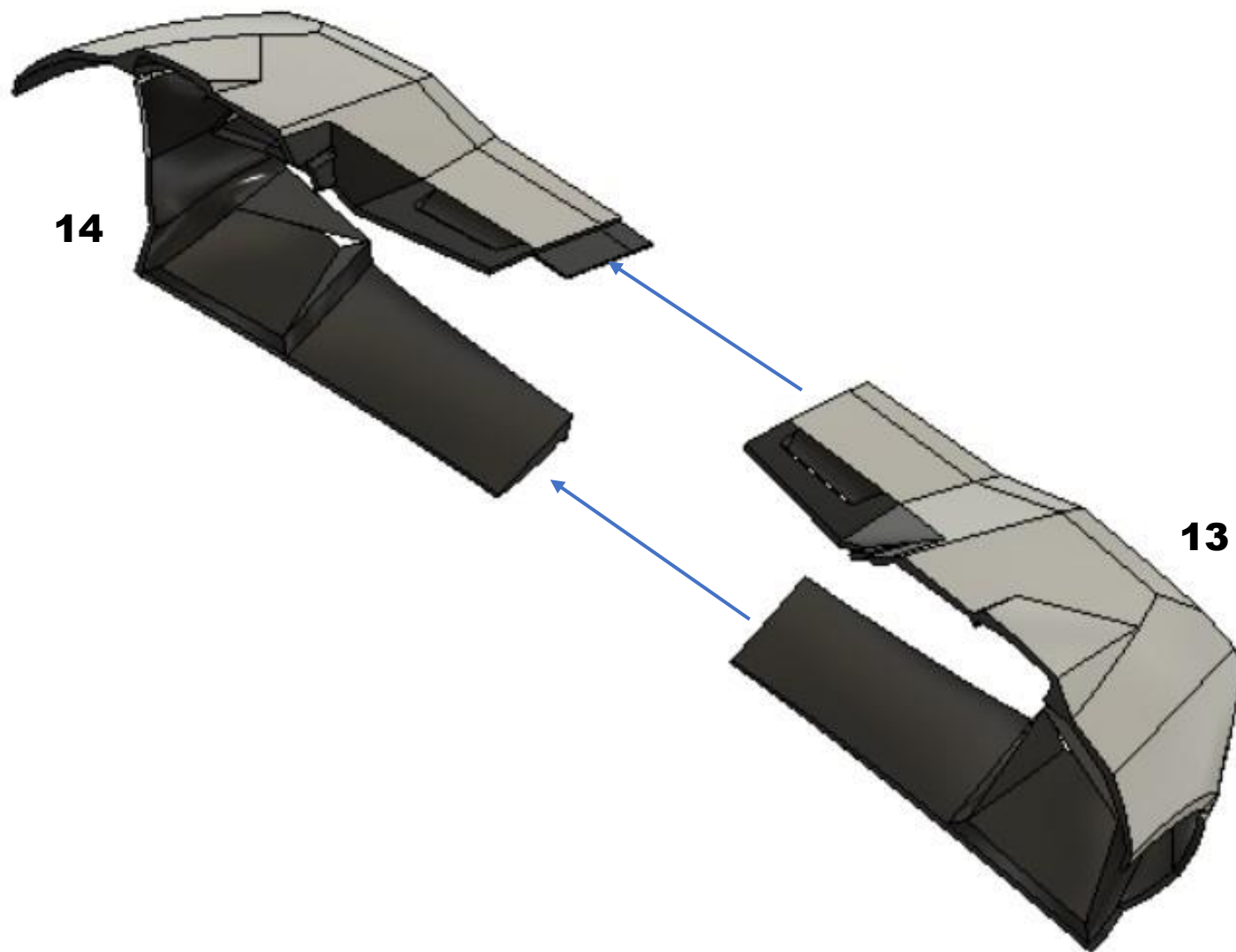


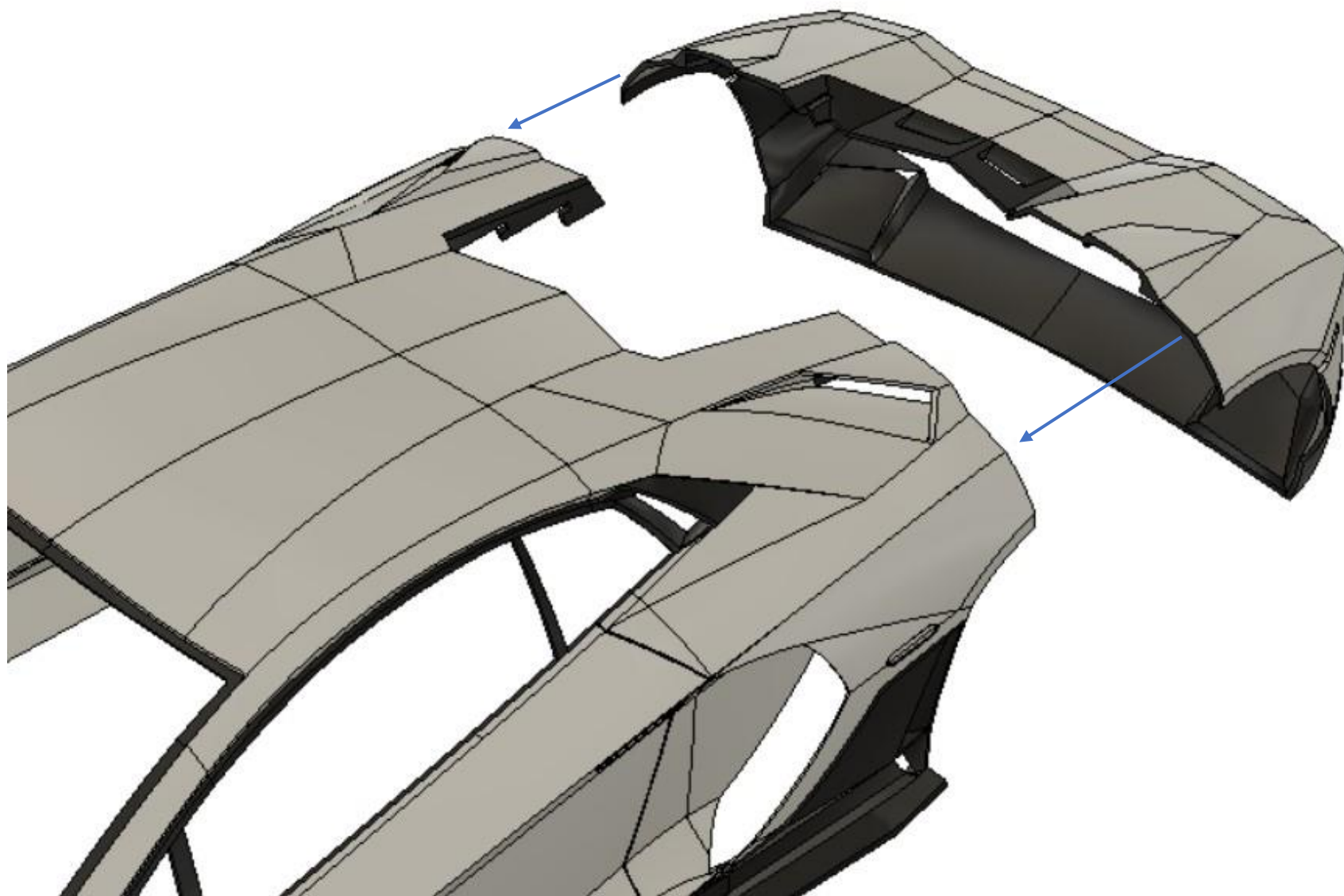


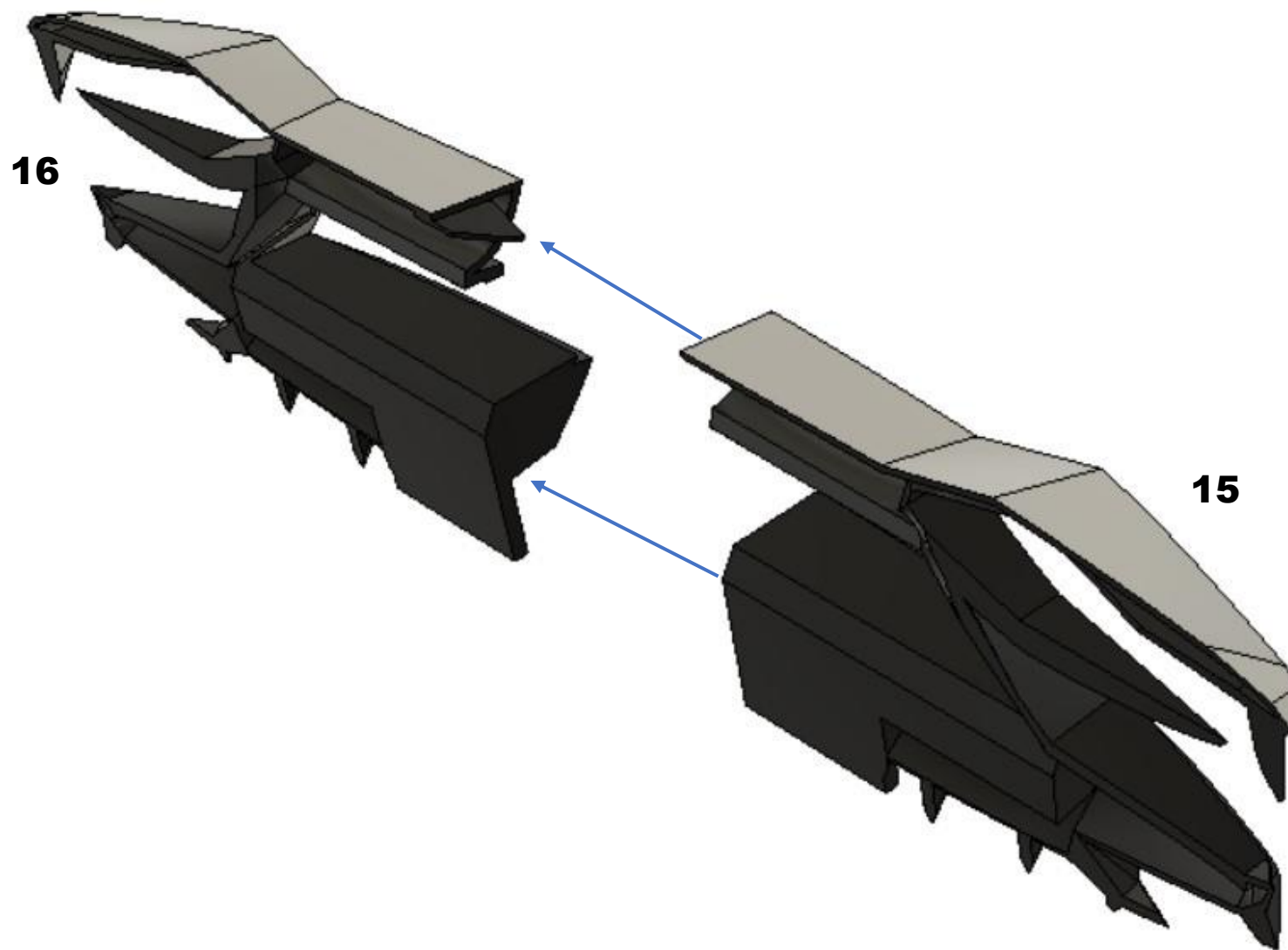


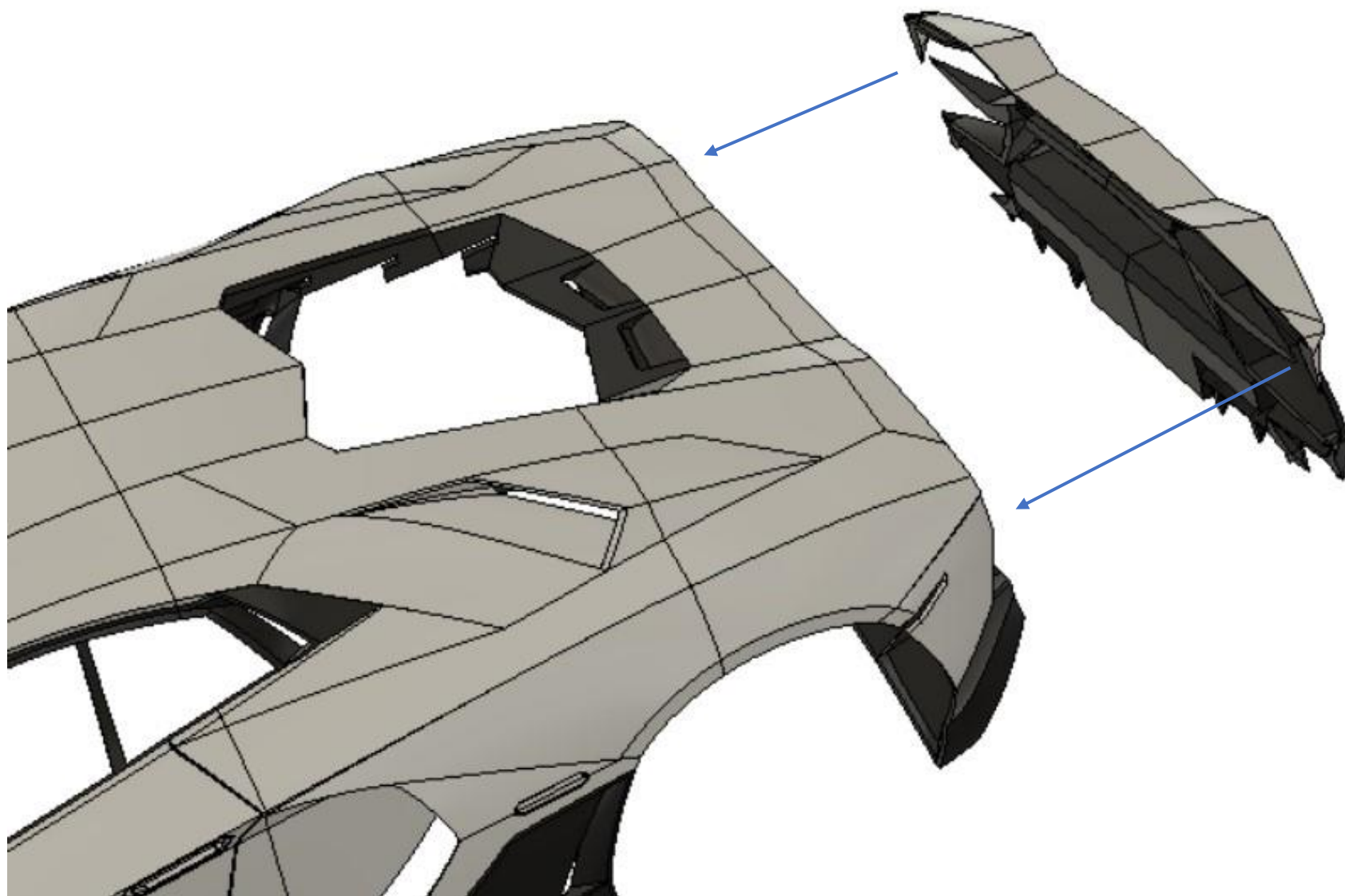


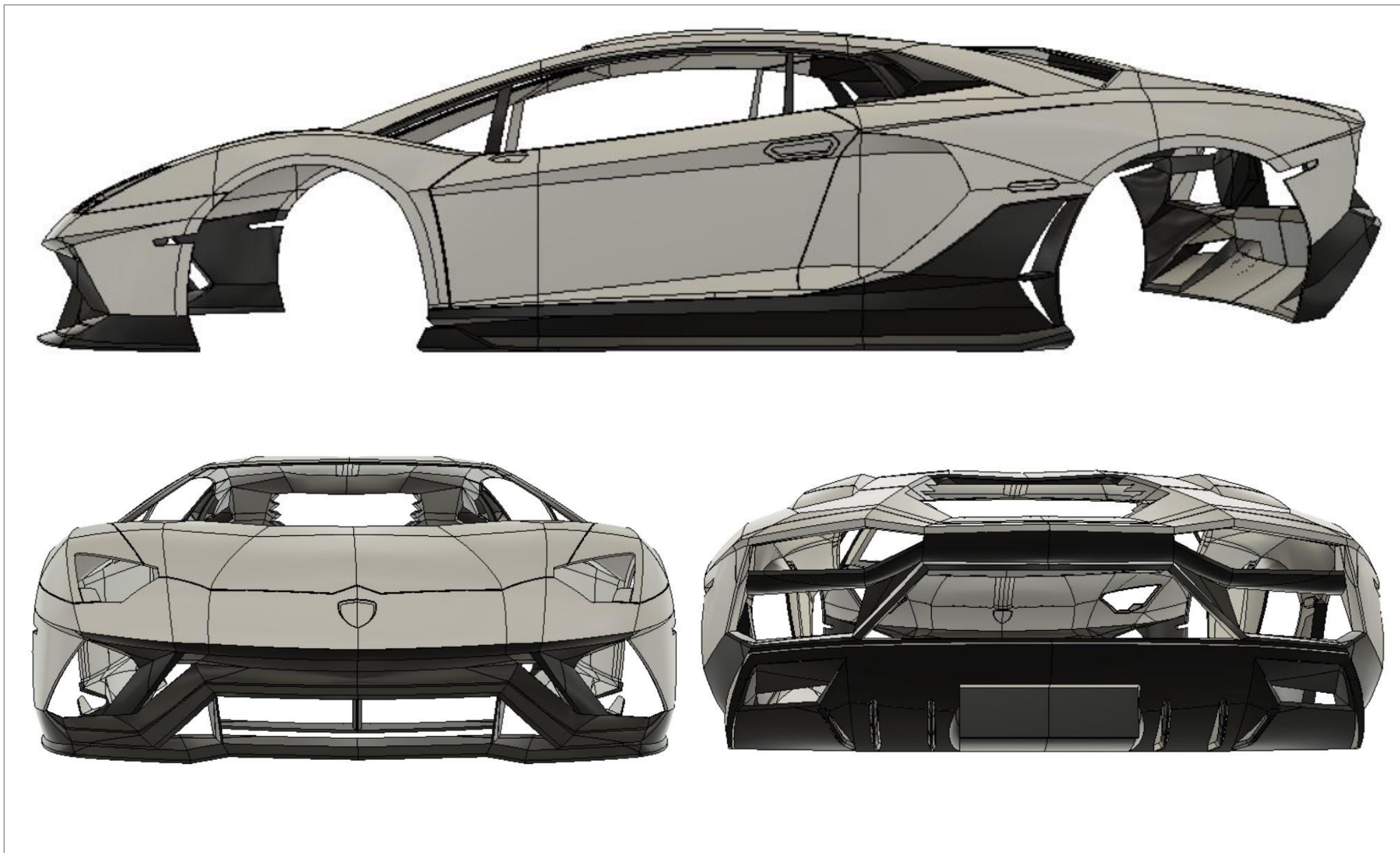




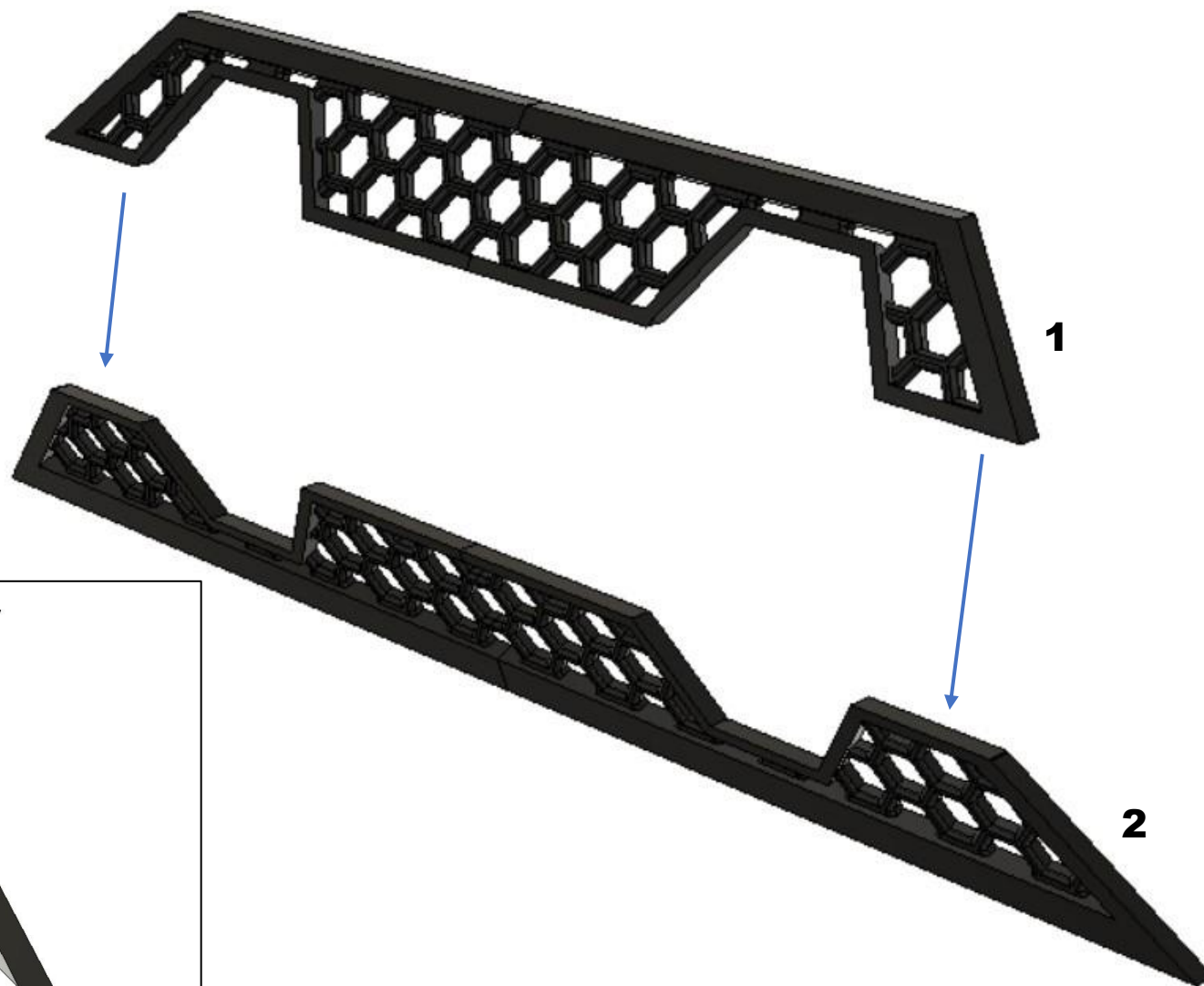






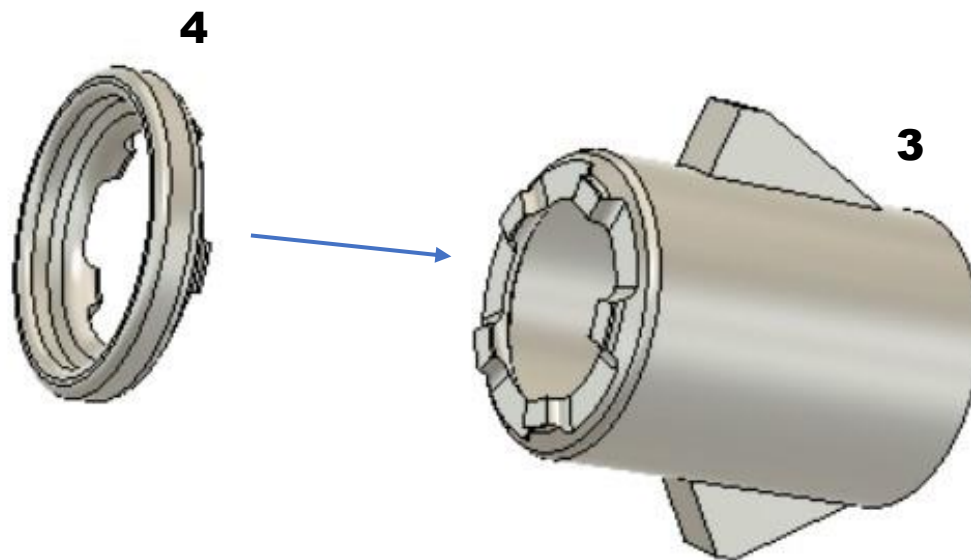


# Exhaust

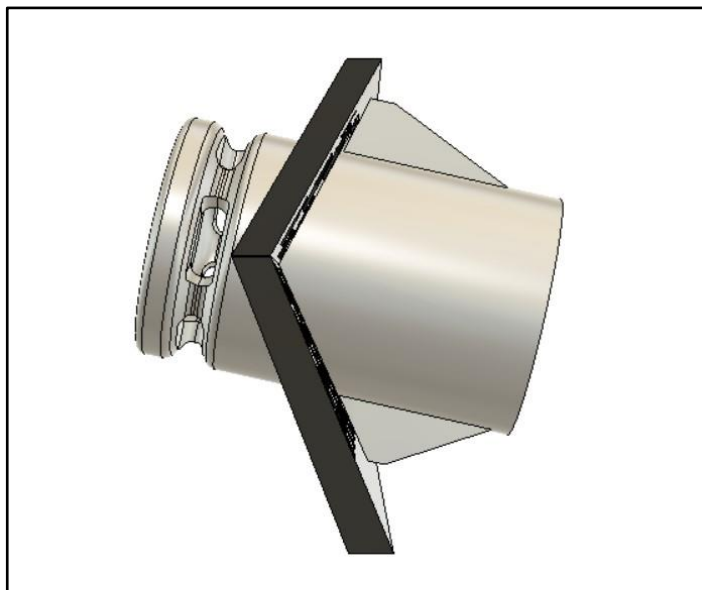
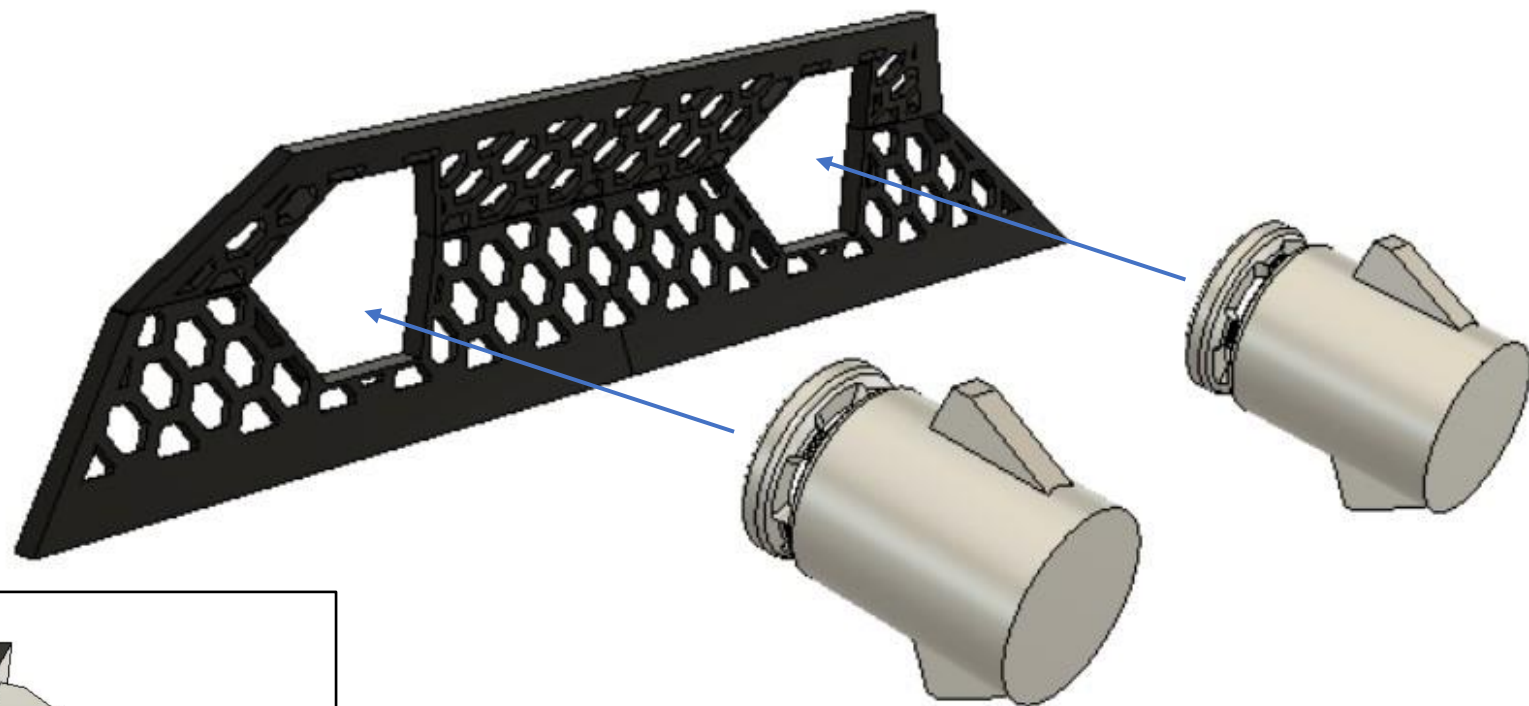


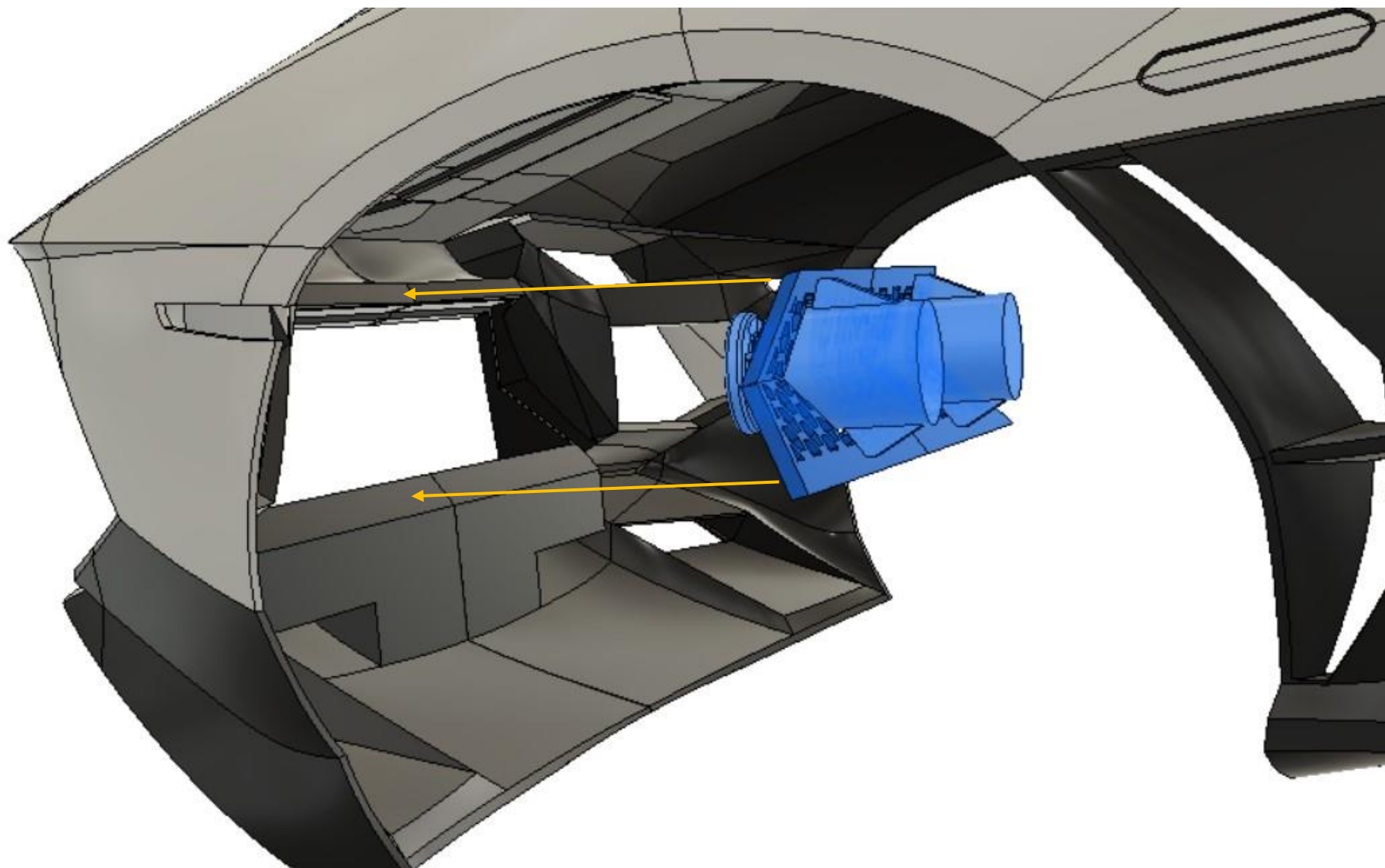


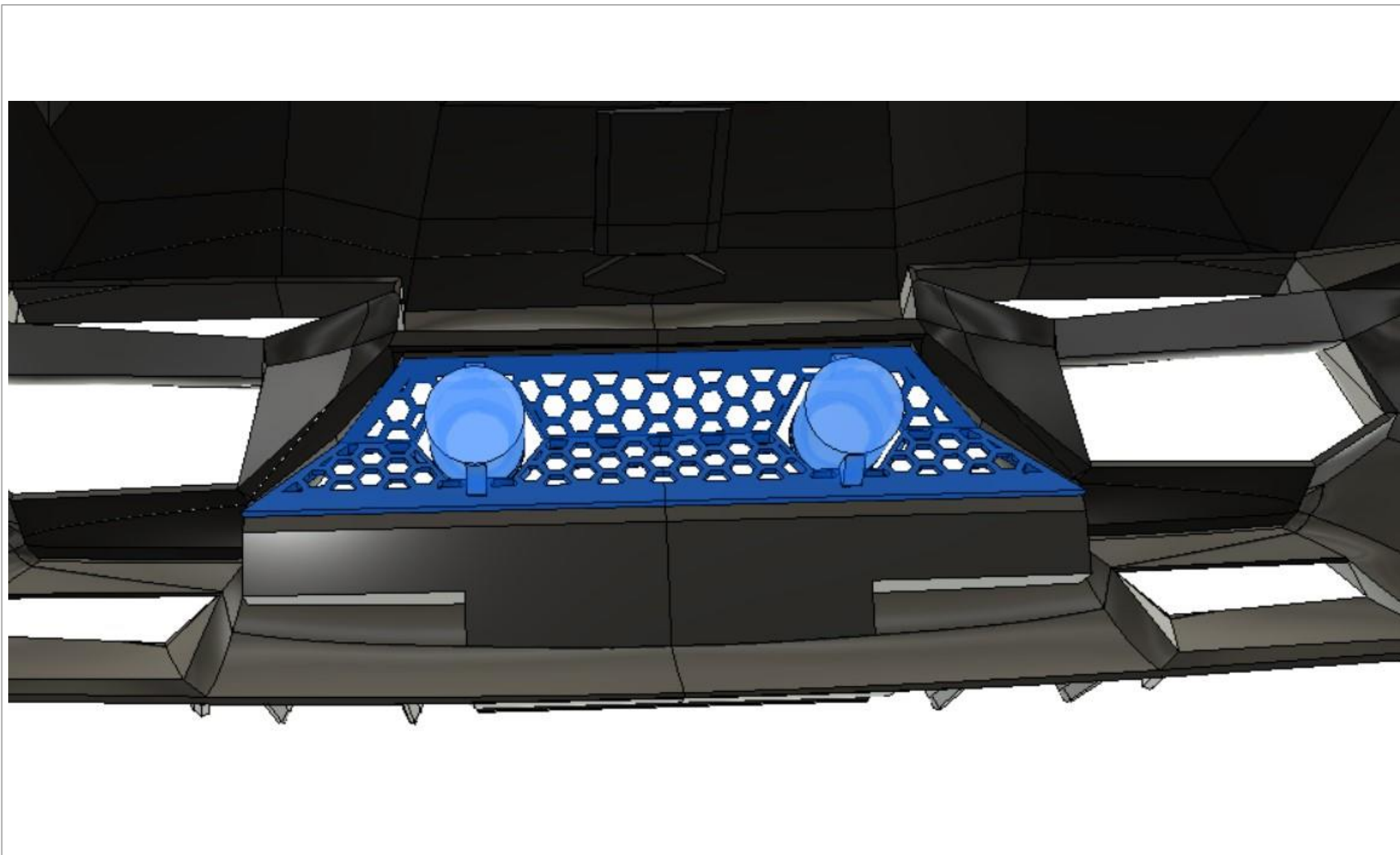
**2x**



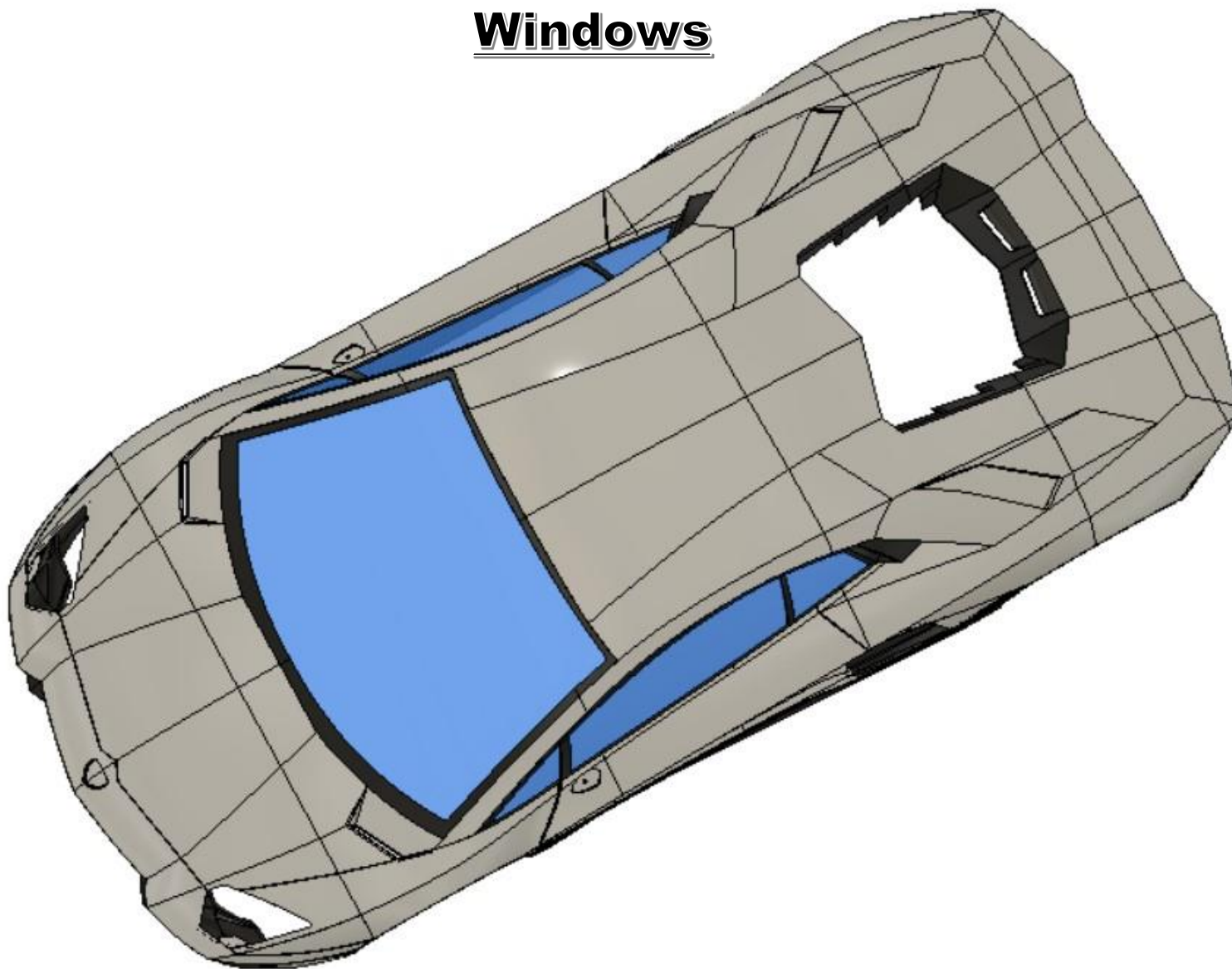


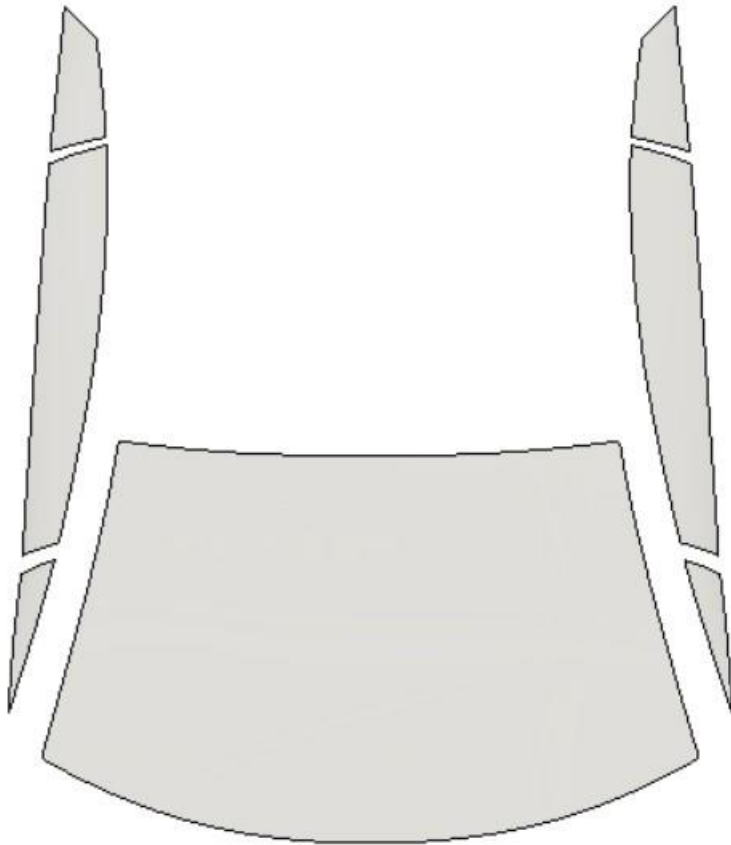






## Windows





**For windows Use DUROFOL 0.4mm**

**and stick**

**thick / medium cyanoacrylate adhesive**

**+ activator.**

**First, cut out an approximate piece of durofol, place it at the destination, and gradually trim until you are satisfied with the shape and size.**

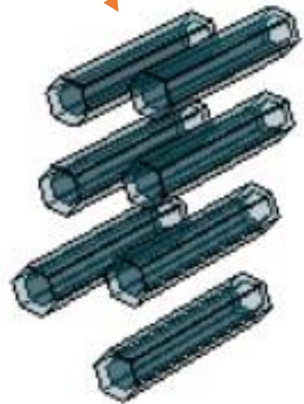
**Carefully glue the durofol from inside the body so that the glue is not visible from the visible side. Durofol is enough to glue in spots (so I recommend it), it will be easier to keep track of flowing glue. Then spray the glued dot with the activator.**

**Then spray the windows:**

**Spray TS71 Smoke– Tamiya**

**It's not a condition, but it looks nice. Apply the spray in several thin coats from inside the body. The spray darkens only when it dries, so be careful with it. It may happen that the window will be darker than intended.**

# Front light



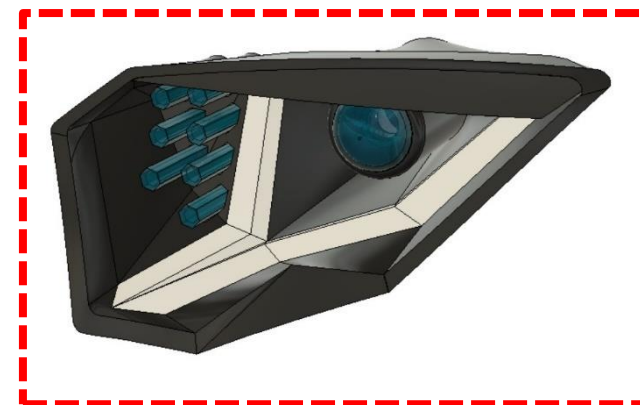
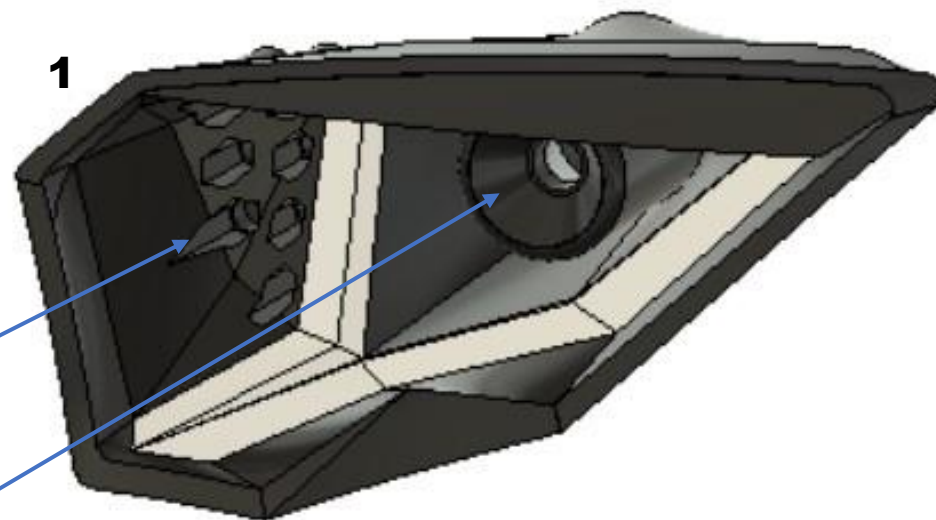
**4\_7x\_clear**

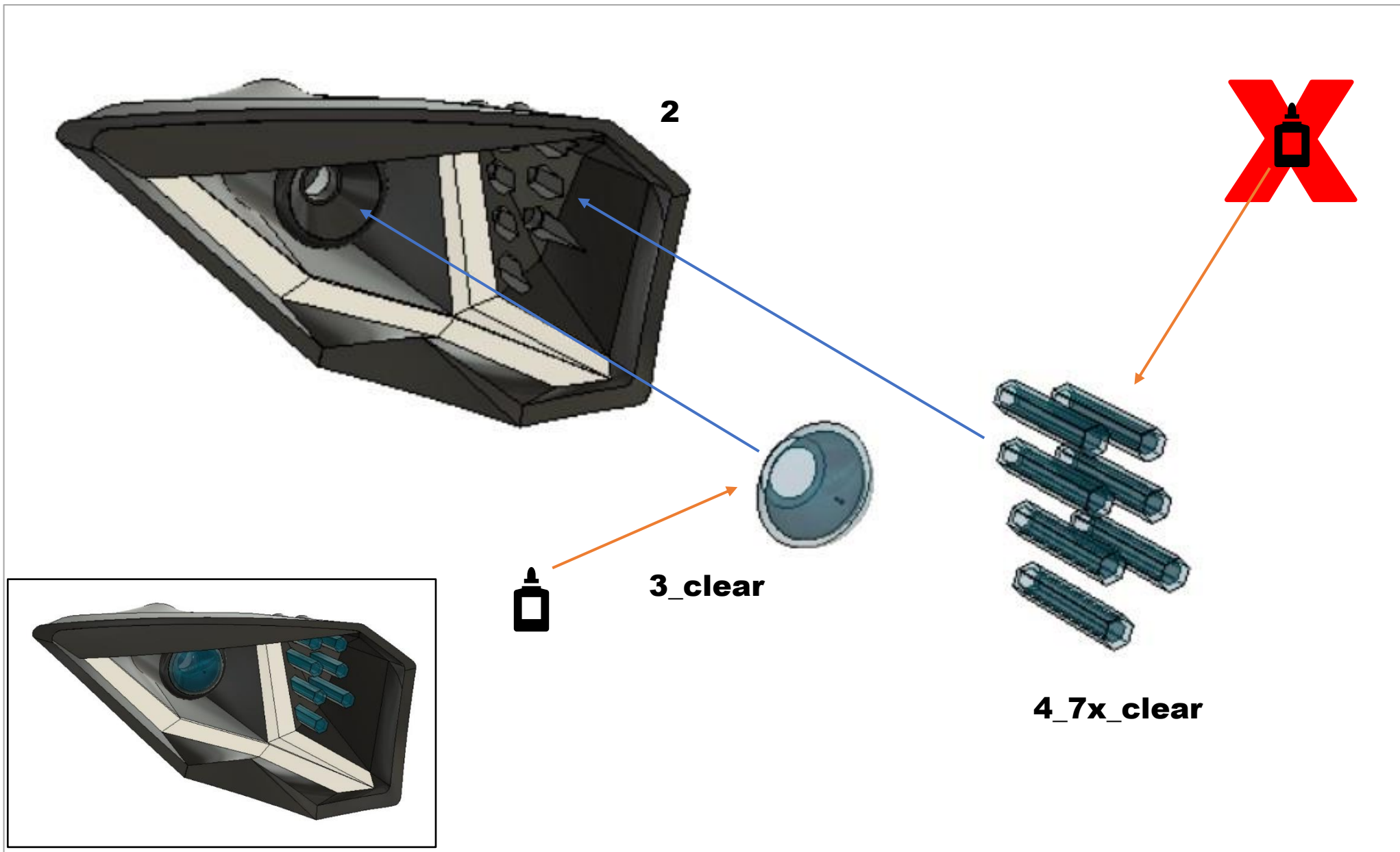


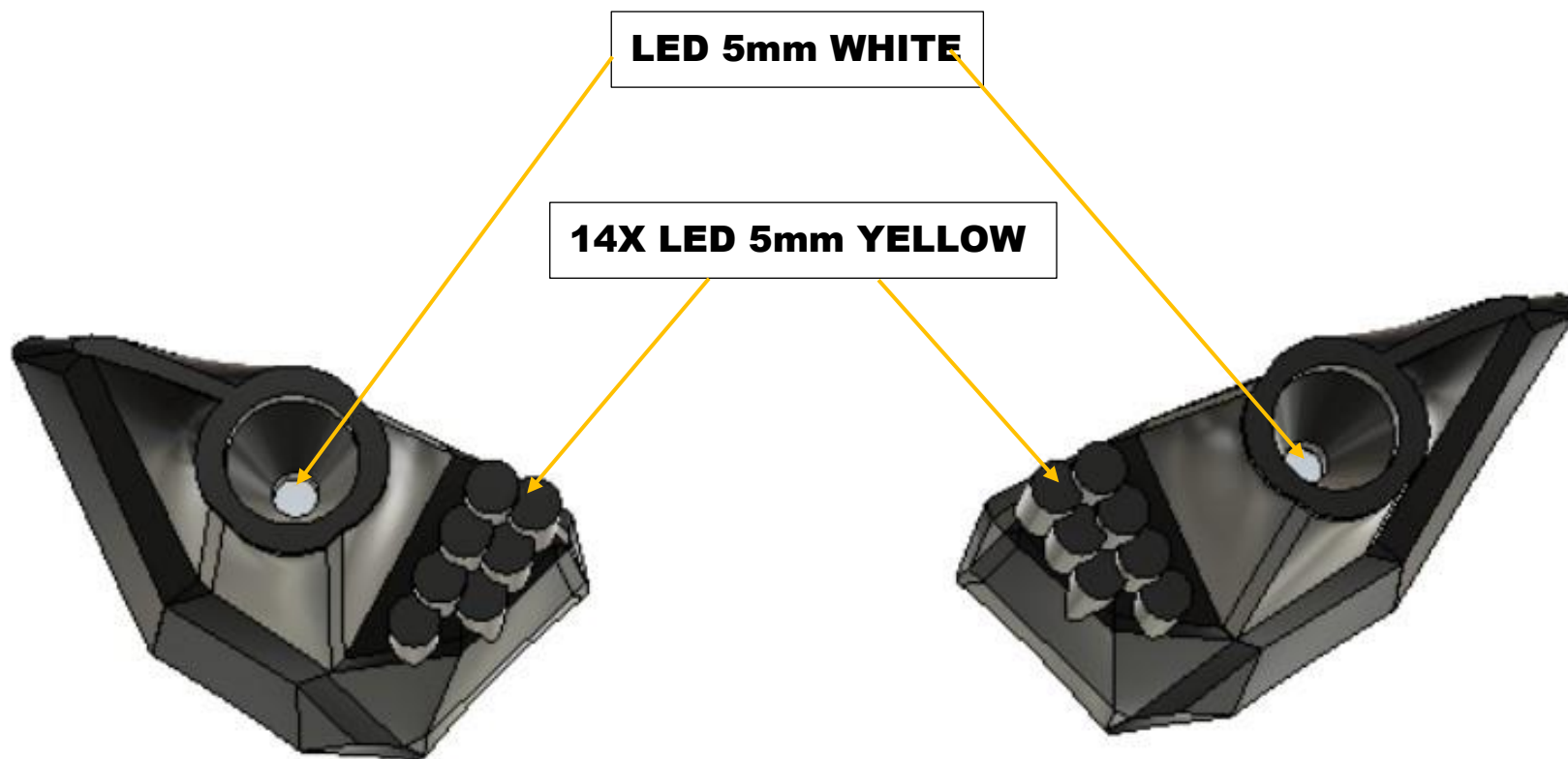
**3\_clear**



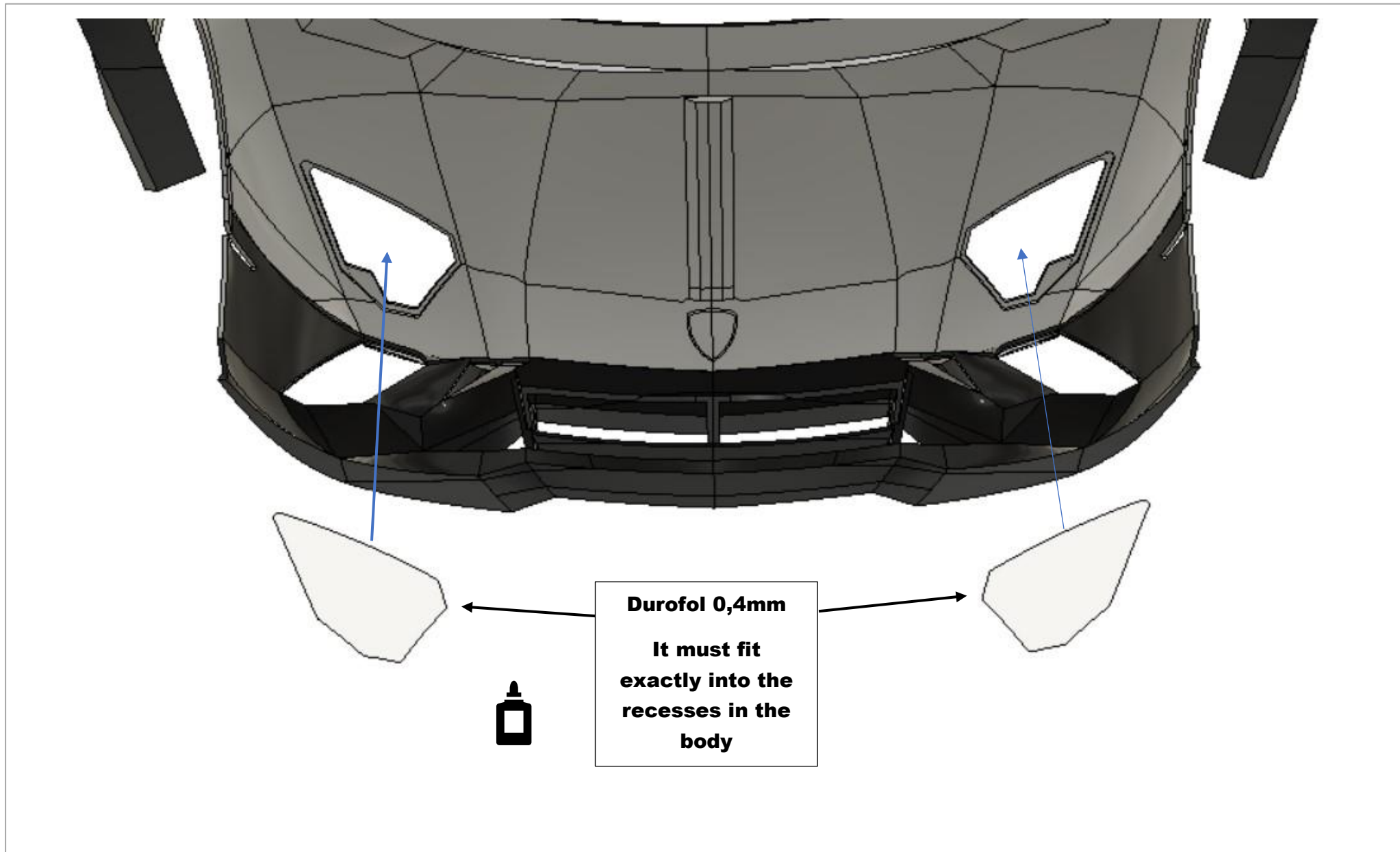
**1**

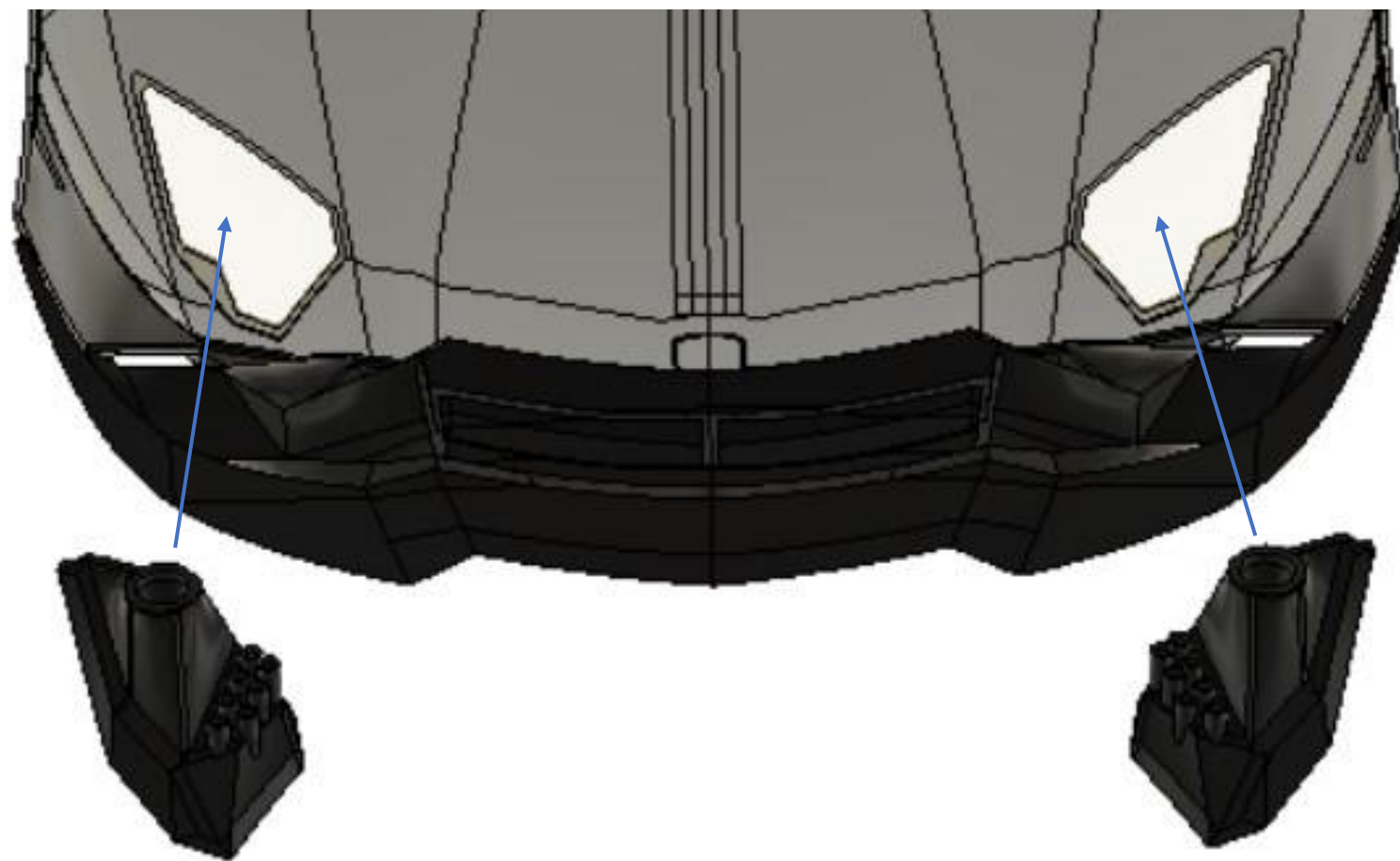










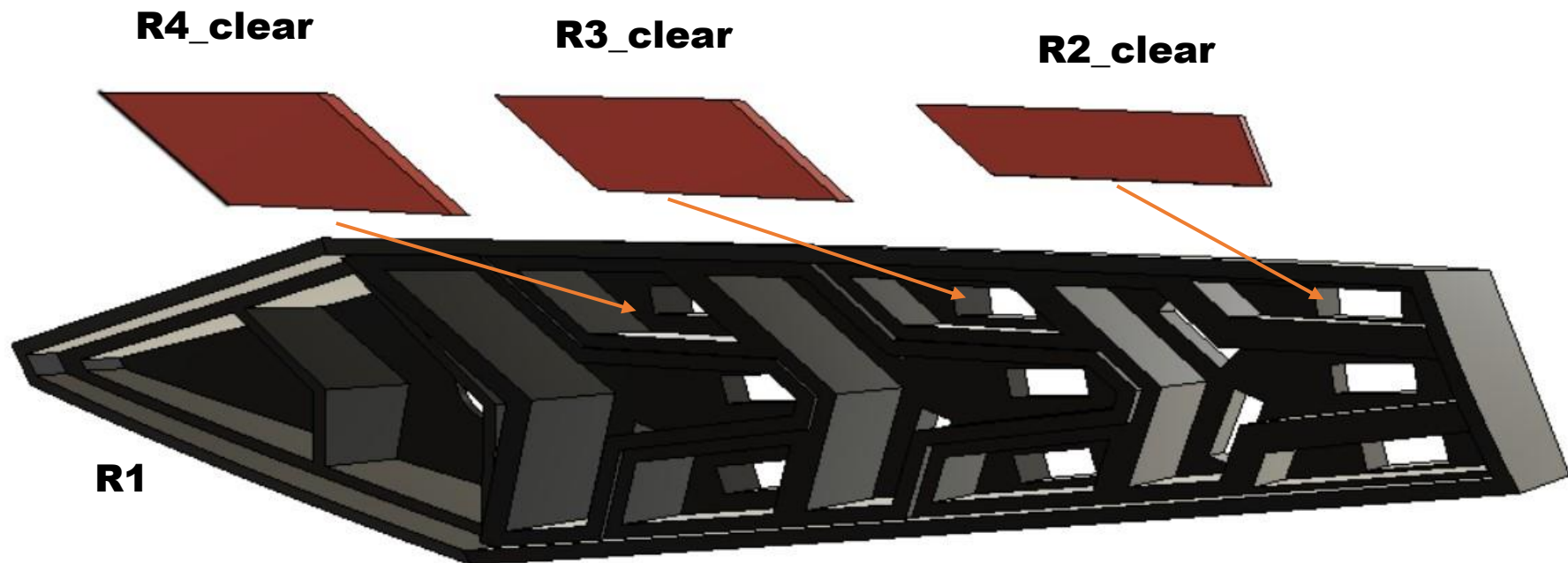


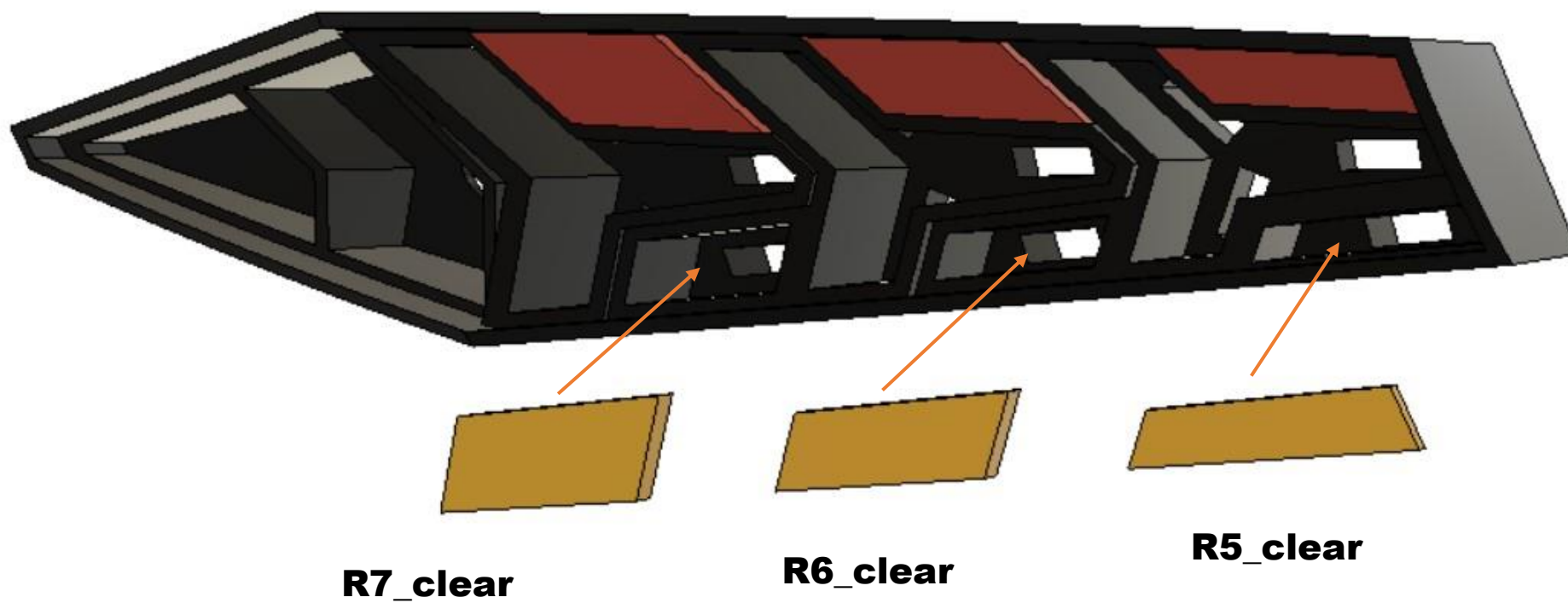


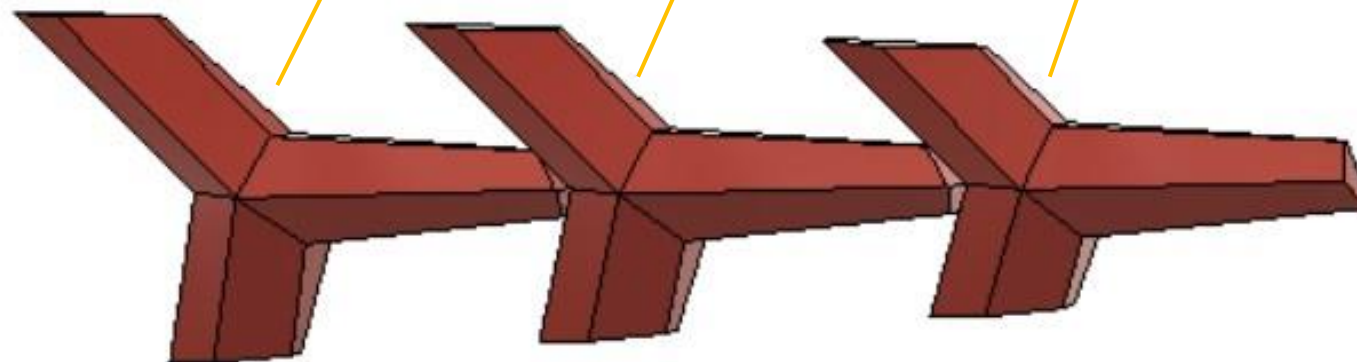
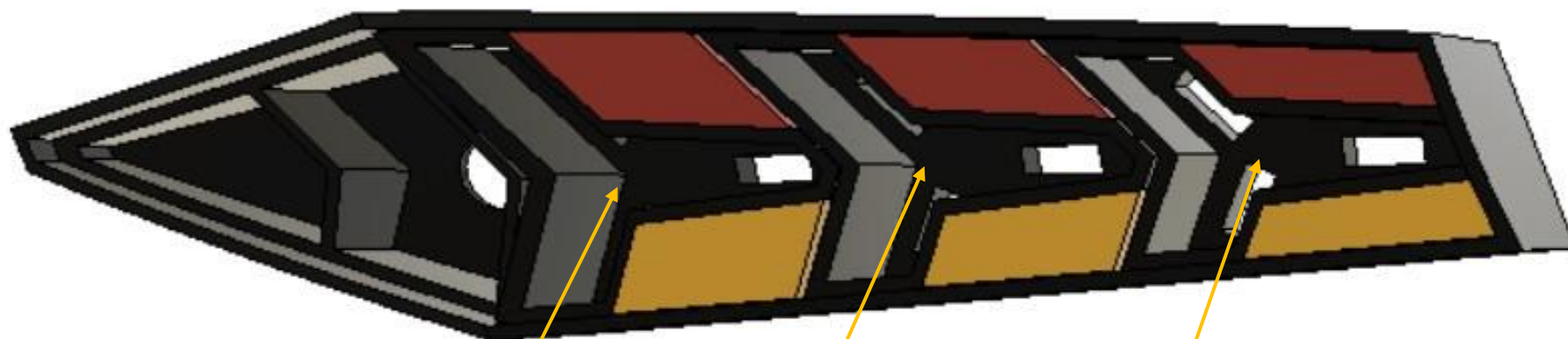
## Front light



**First seat all parts without gluing. Then gradually stick with a small amount of glue.**



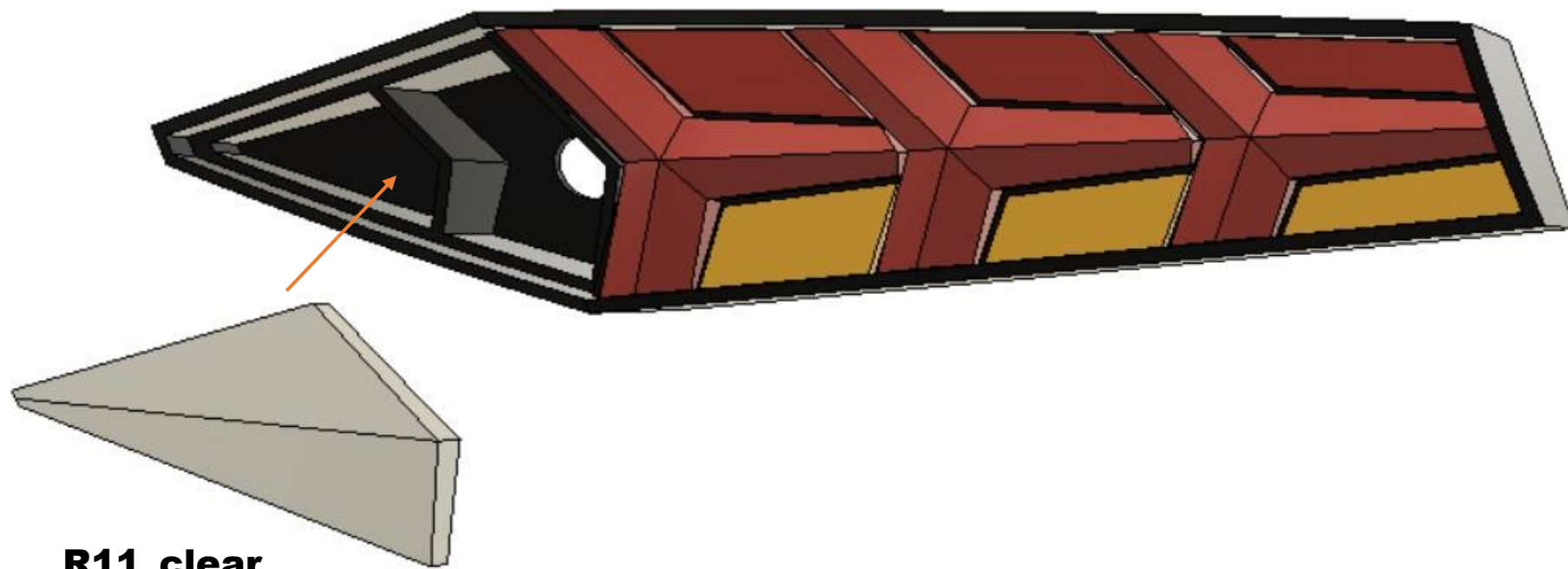




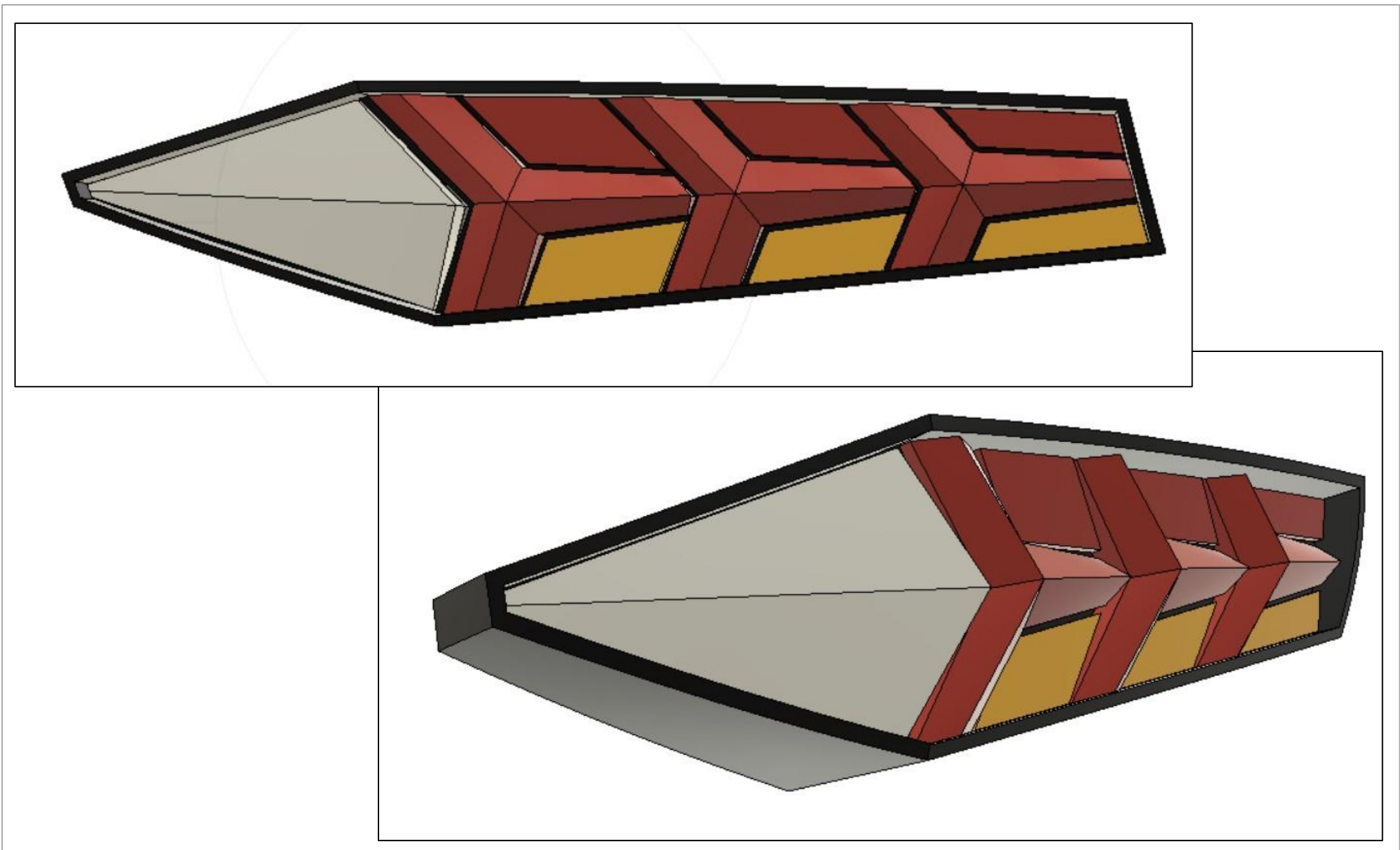
**R10\_clear**

**R9\_clear**

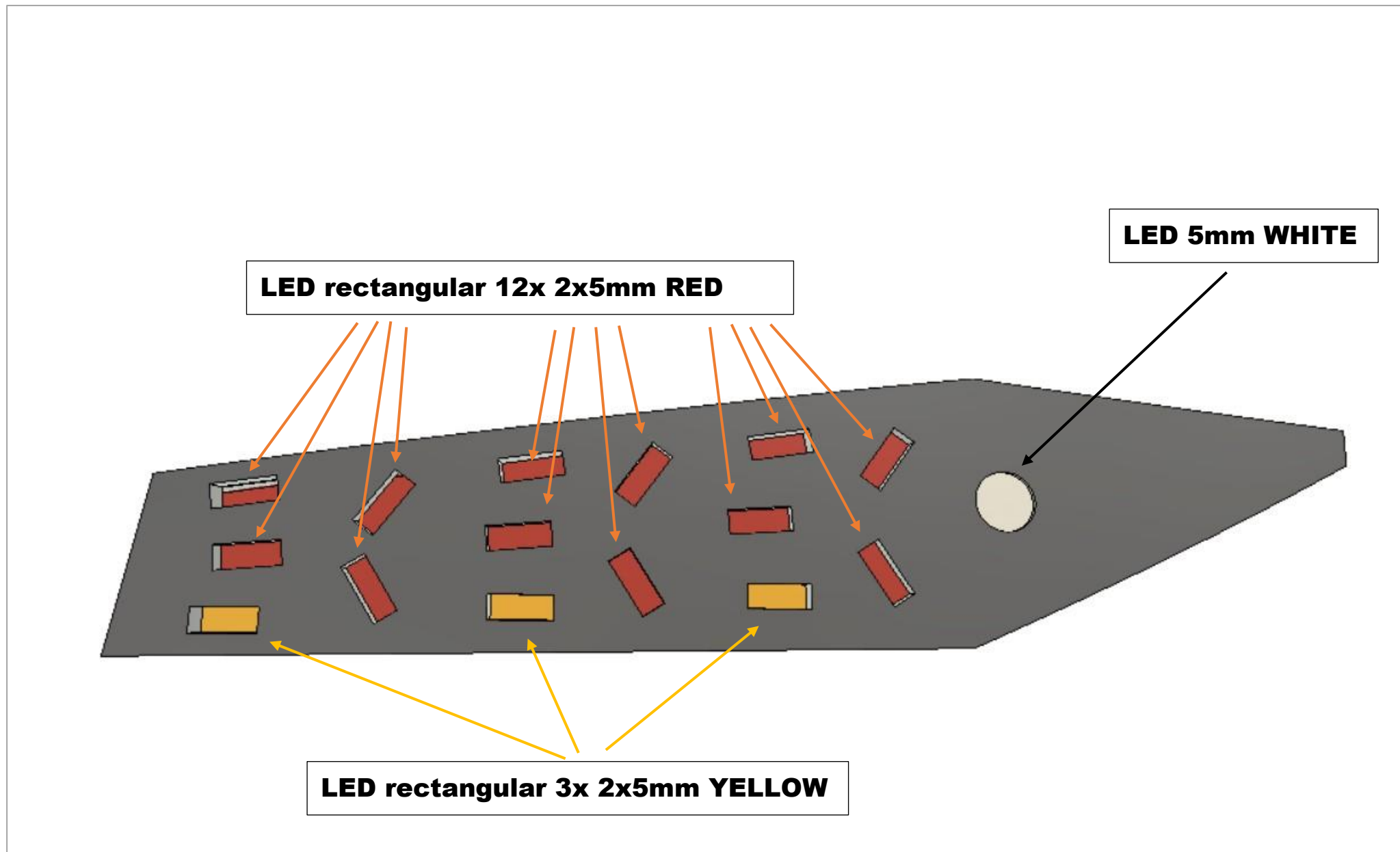
**R8\_clear**



**R11\_clear**

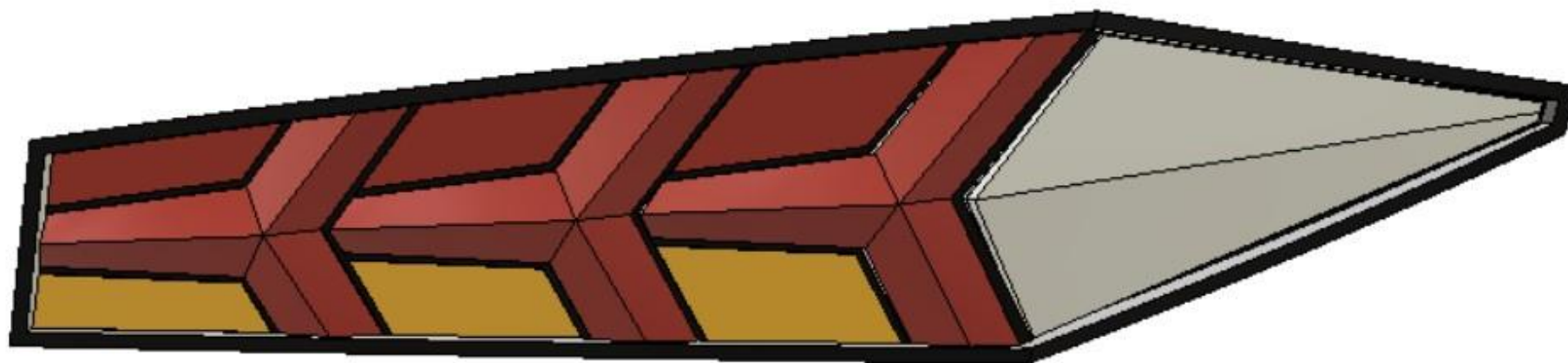


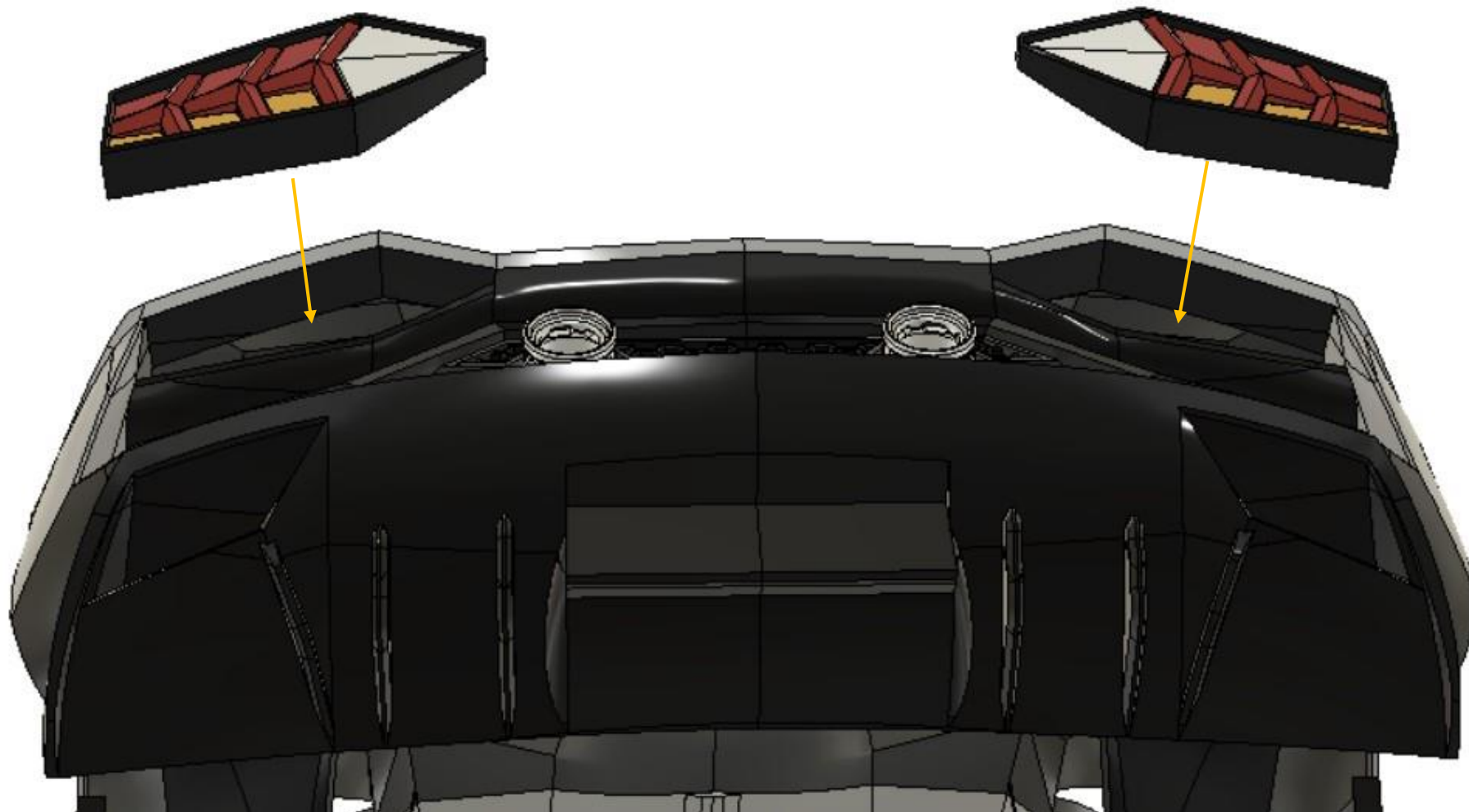


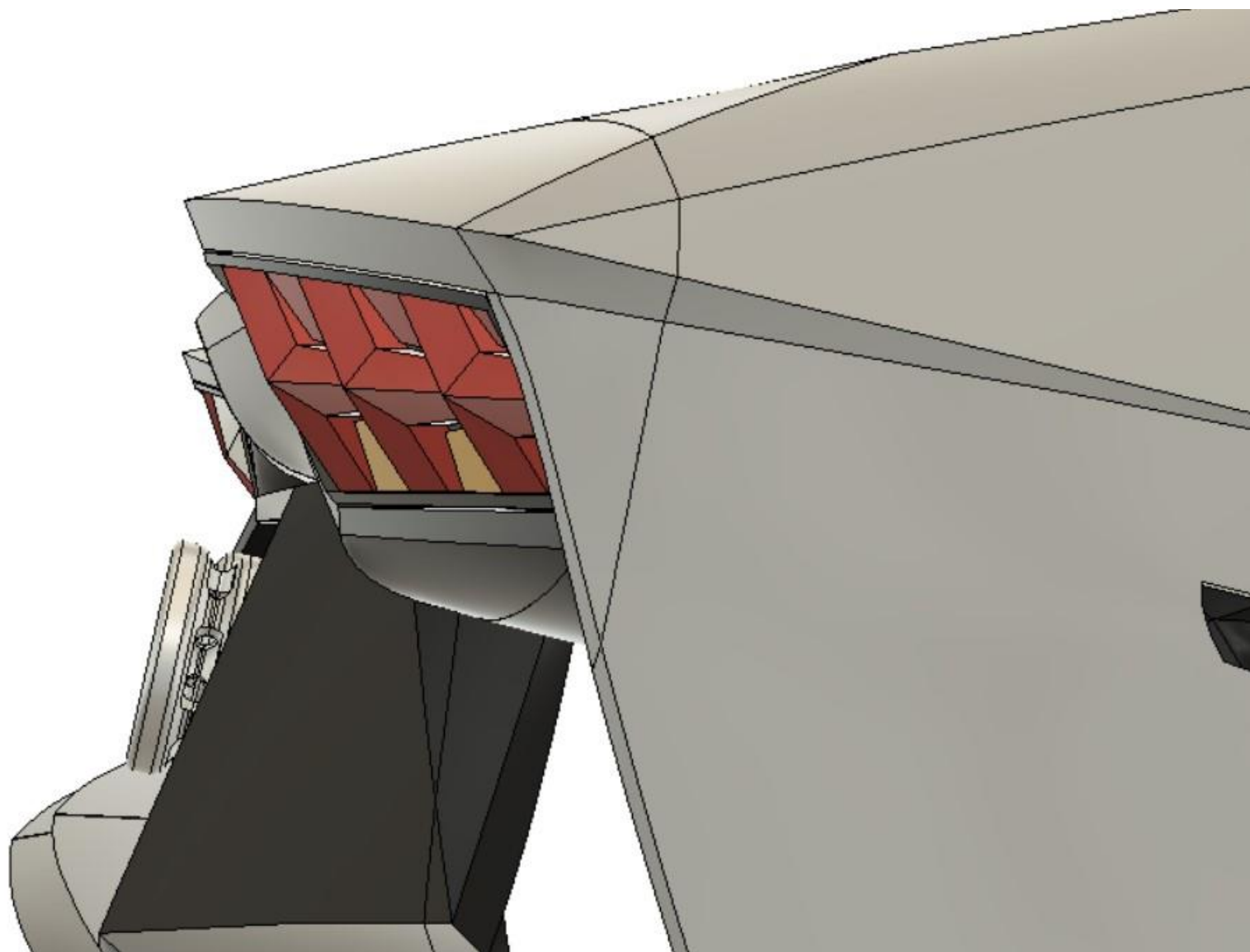


**Use parts for Left tail light**

**L1 to L11**



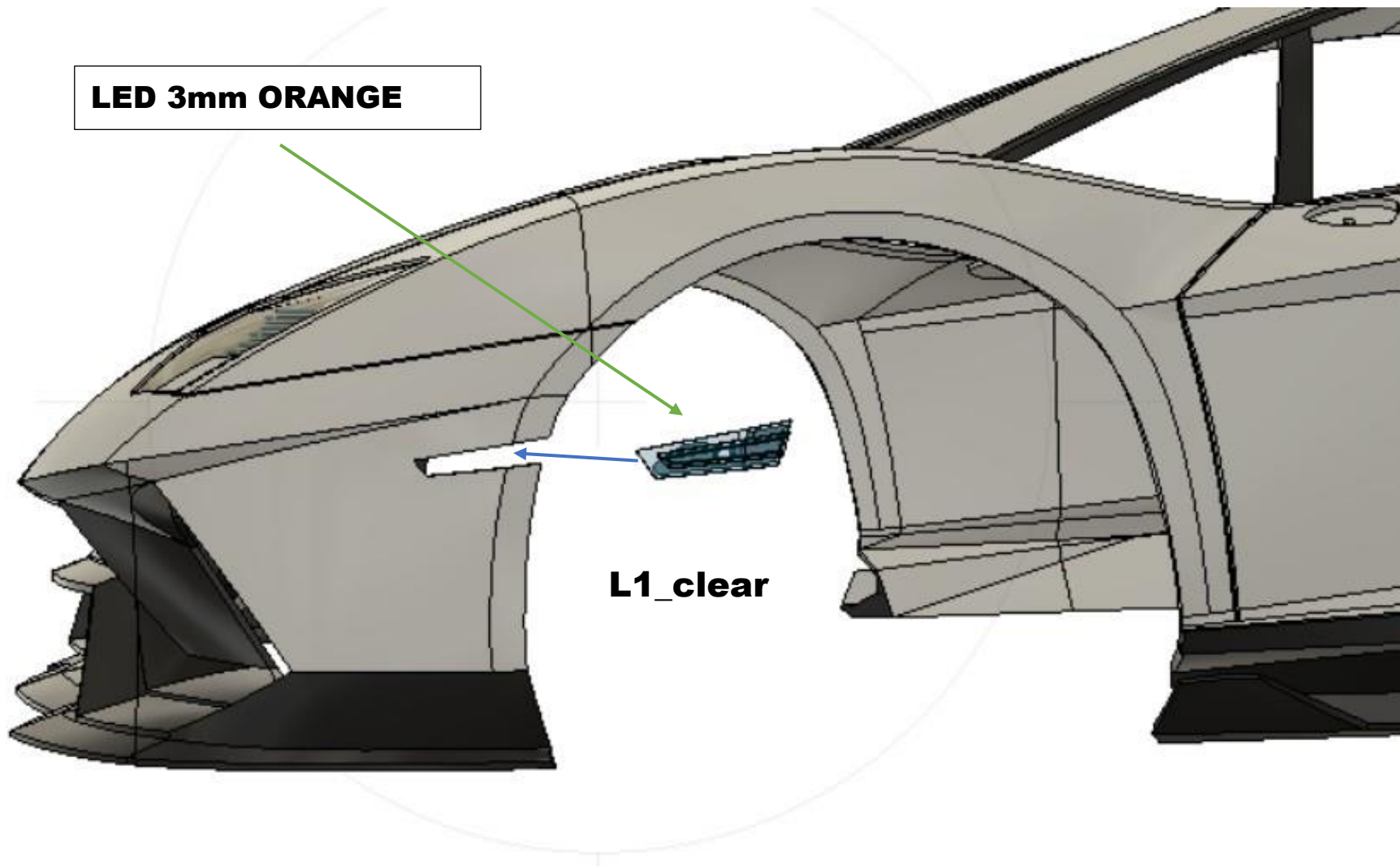




## Position light



**LED 3mm ORANGE**

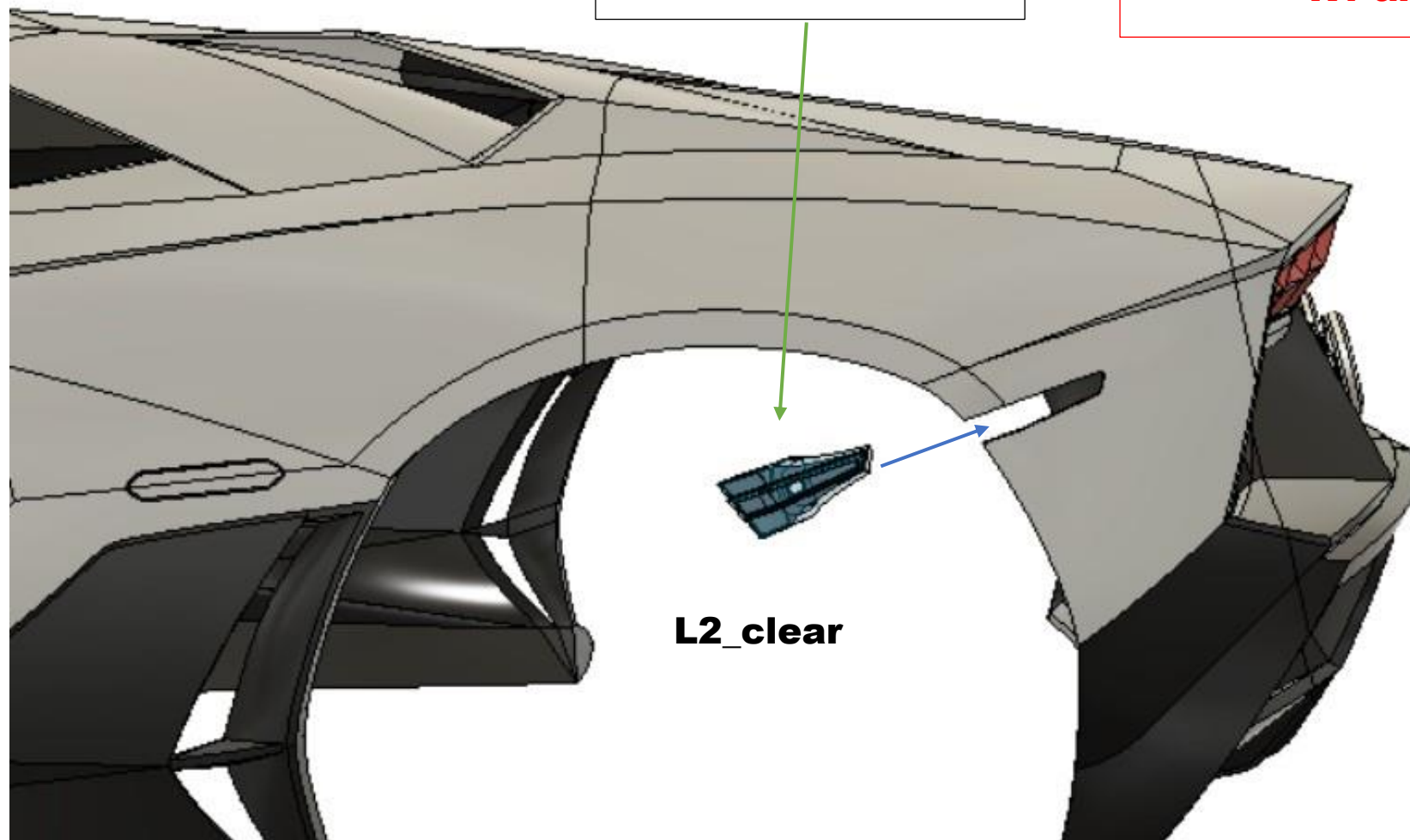


**L1\_clear**

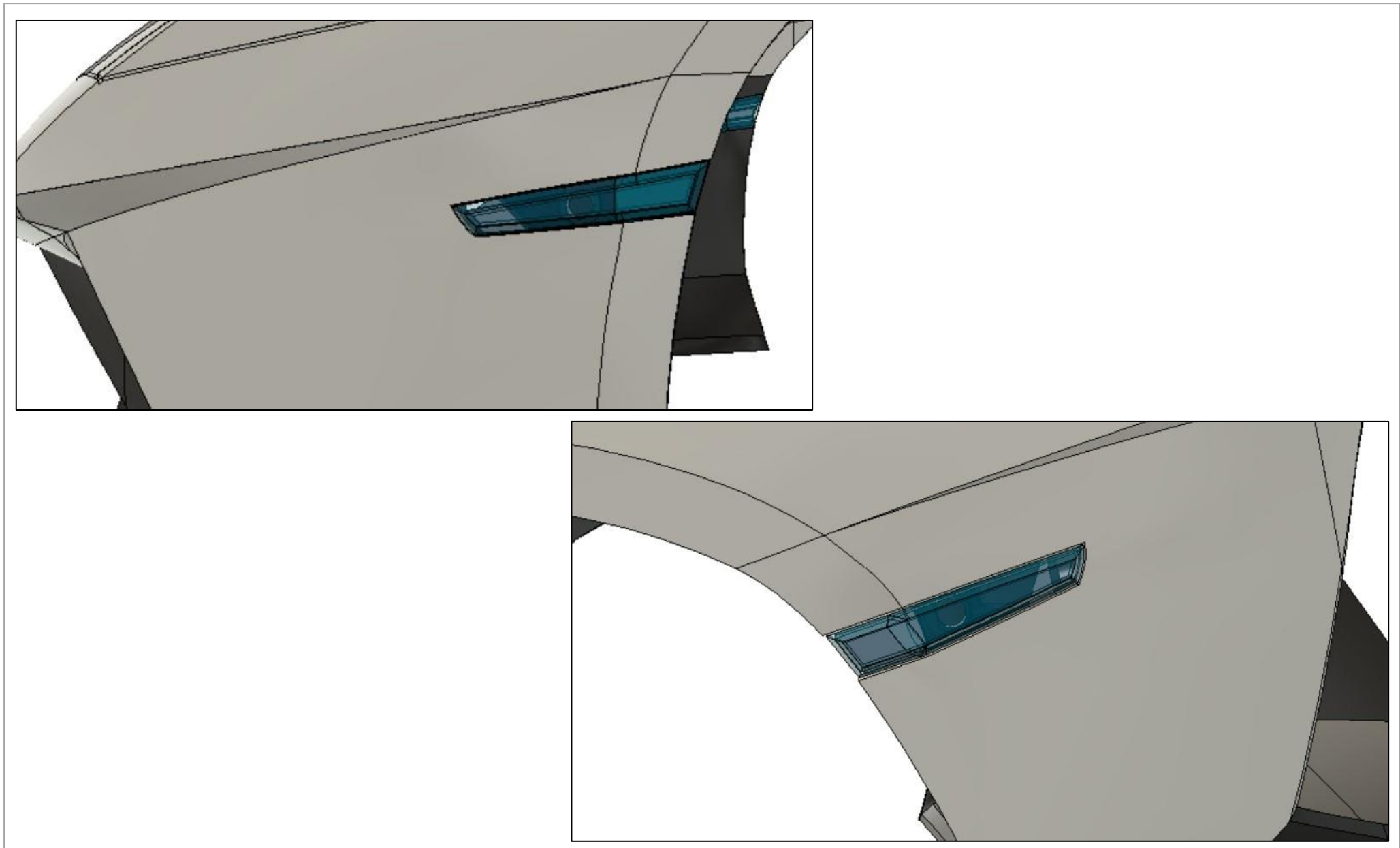


**Use parts for right position  
lights  
R1 and R2**

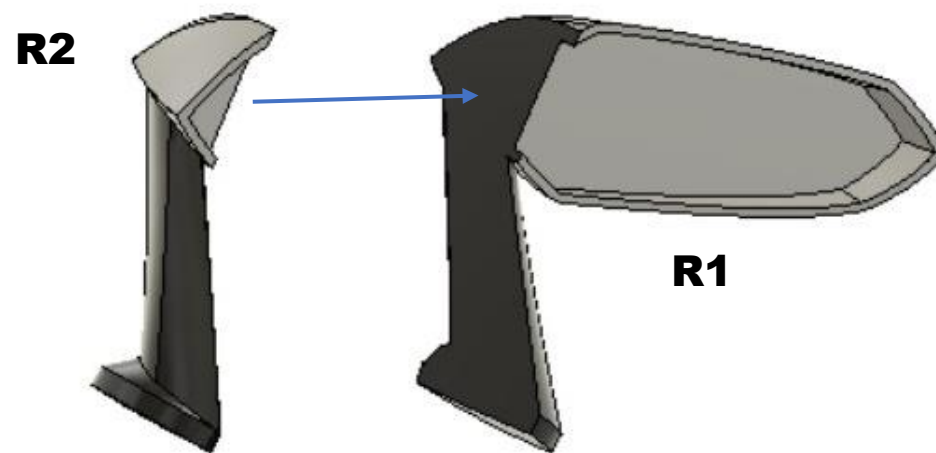
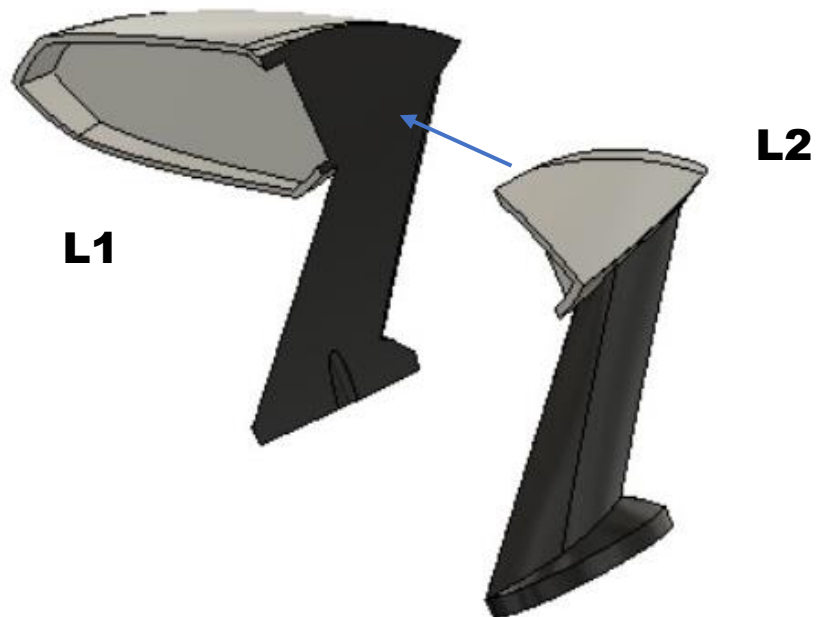
**LED 3mm ORANGE**



**L2\_clear**

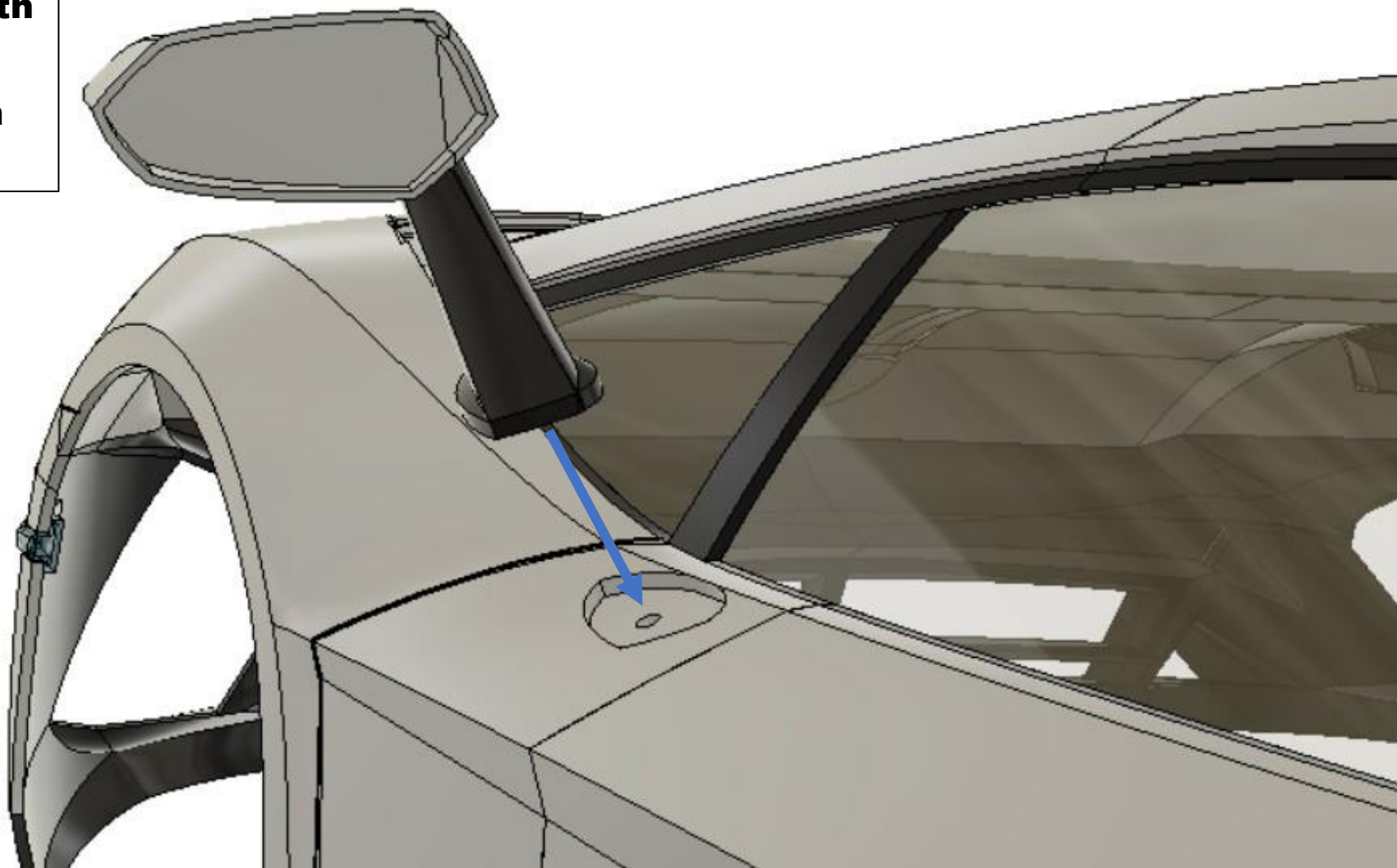


# Mirror

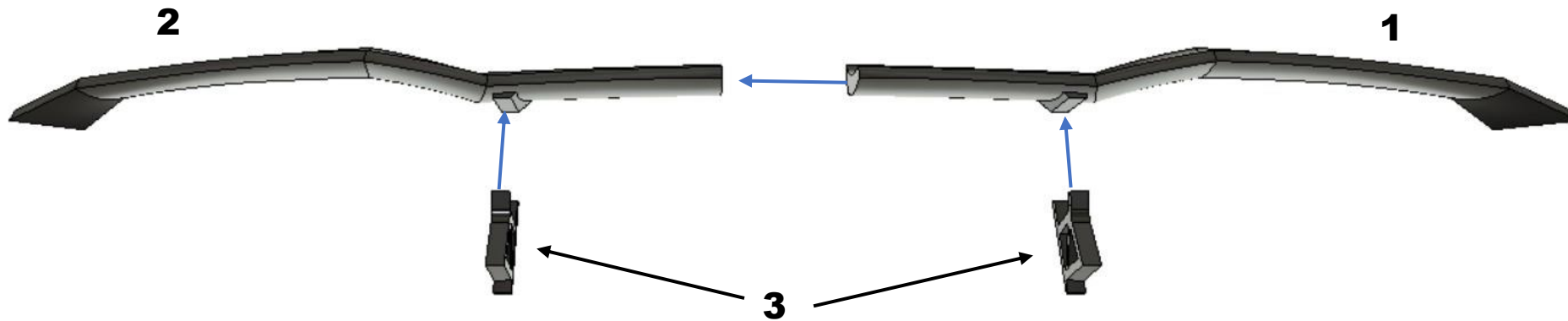


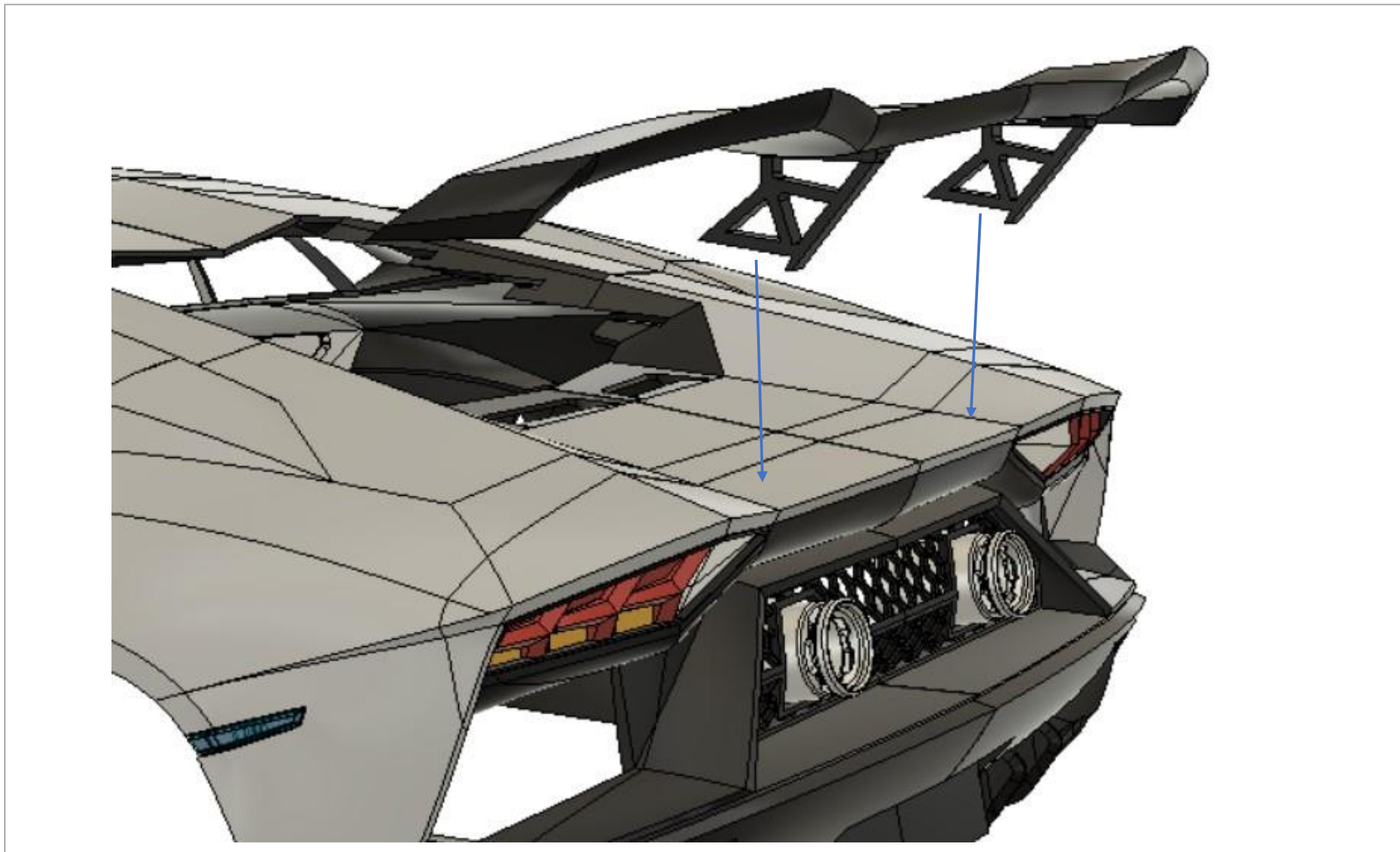


**Secure the  
mirrors with  
screws  
M3x6mm**



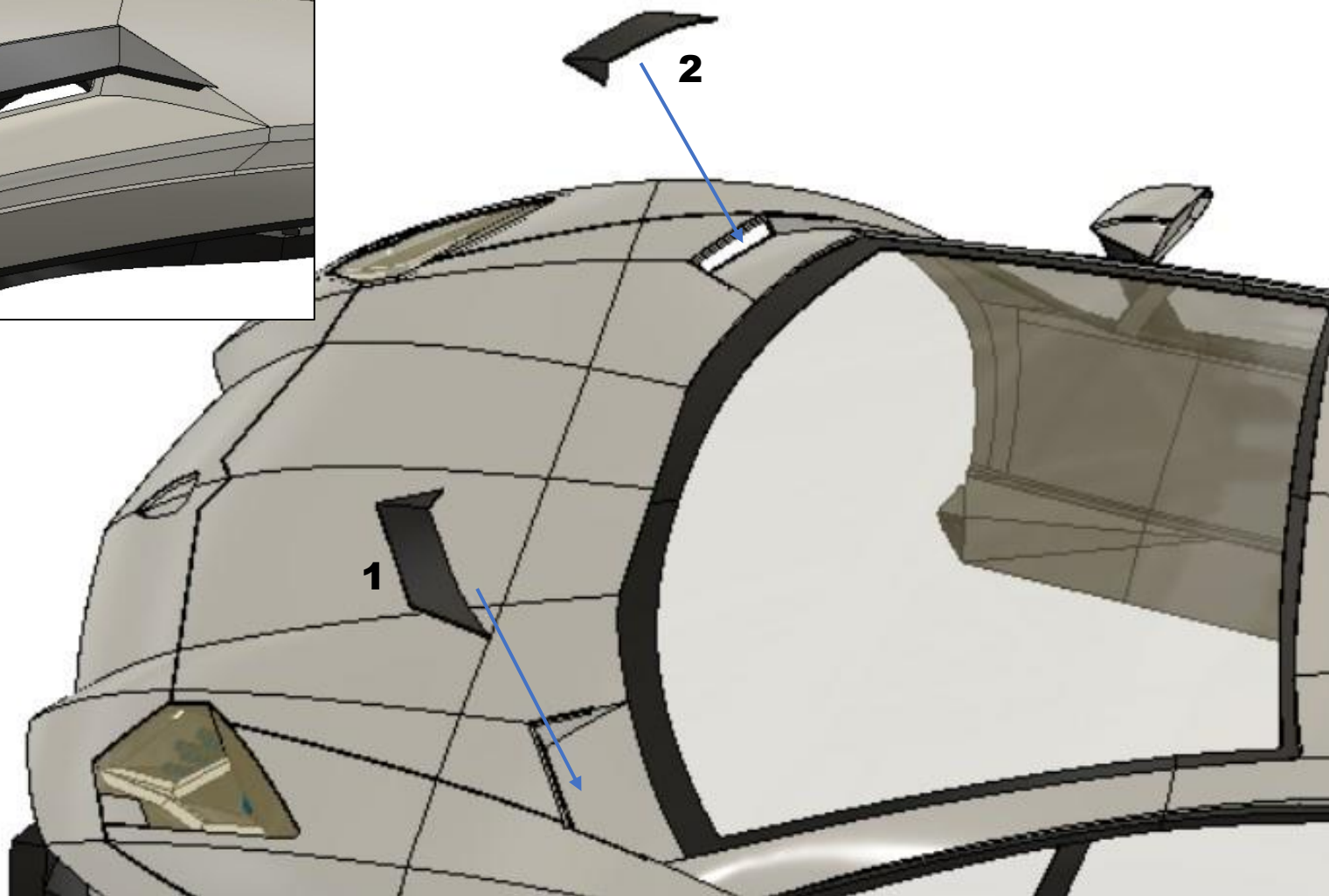
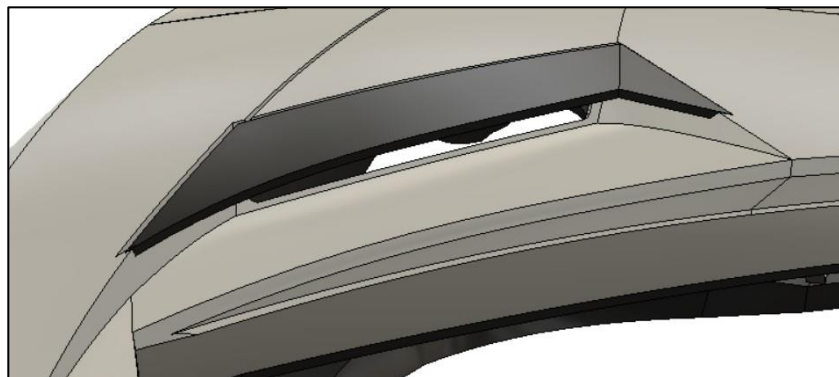
# Wings

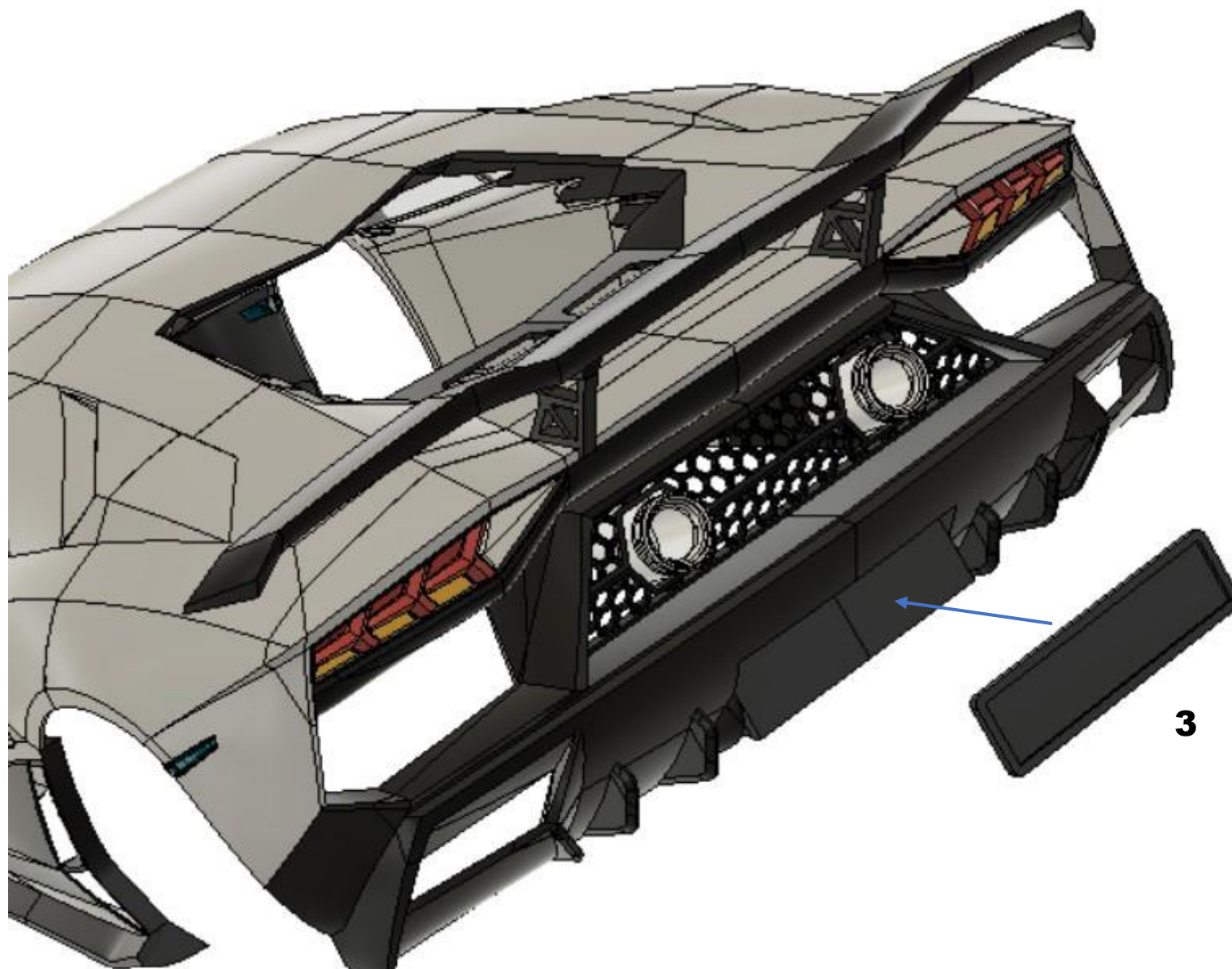






## Accessories

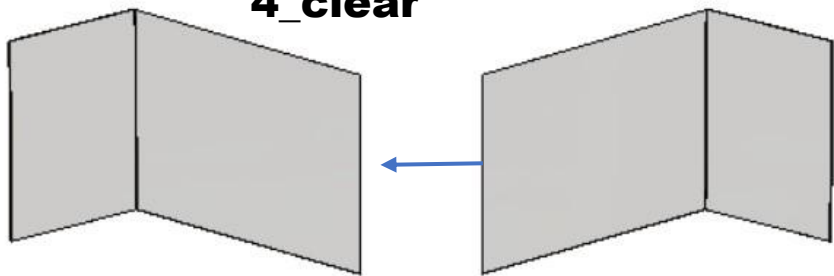




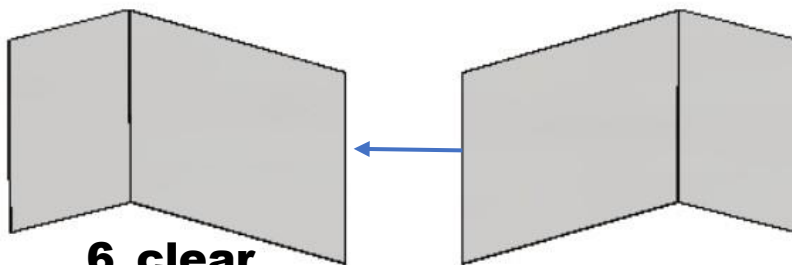


**4\_clear**

**5\_clear**



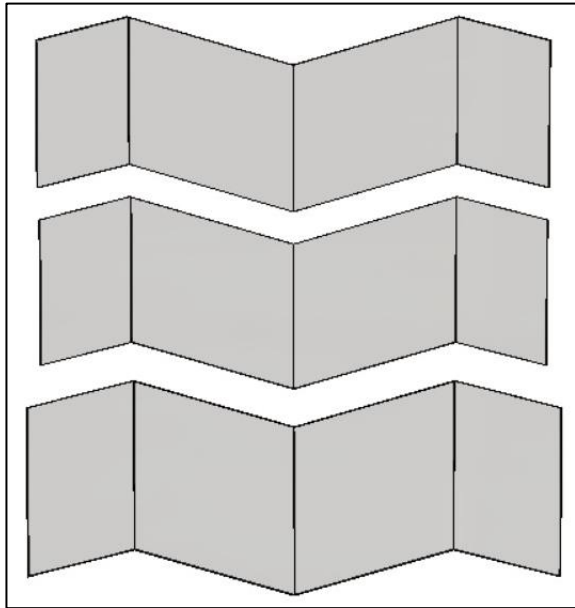
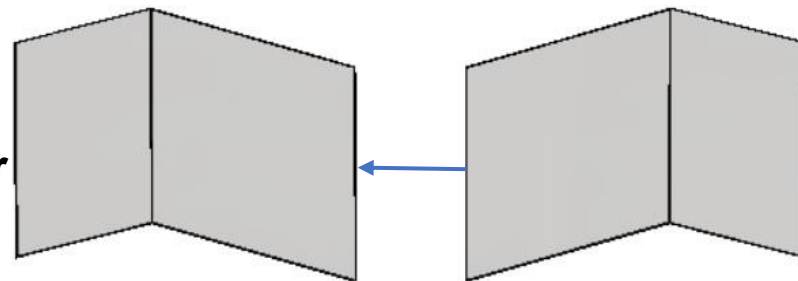
**7\_clear**

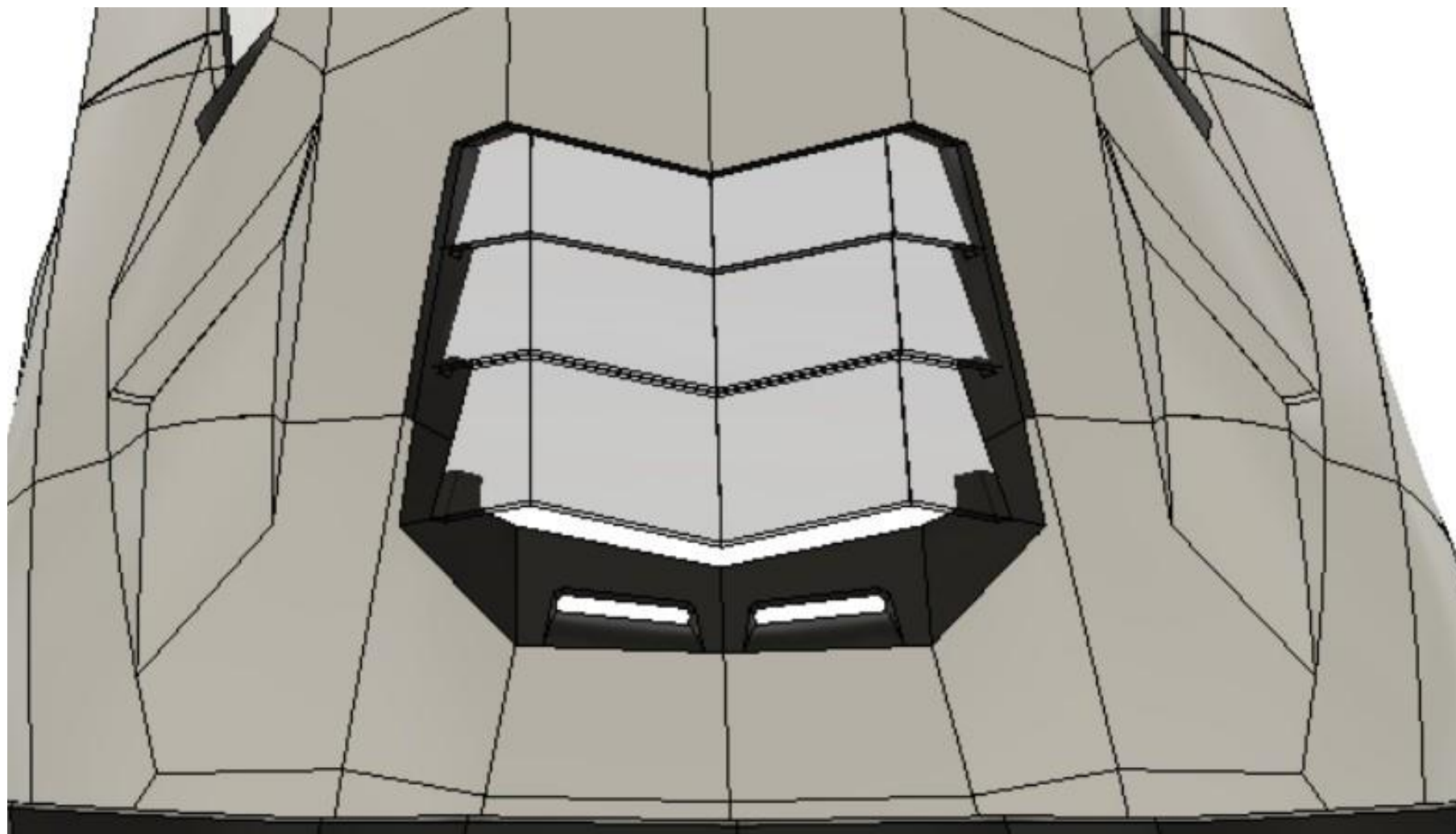


**6\_clear**

**9\_clear**

**8\_clear**





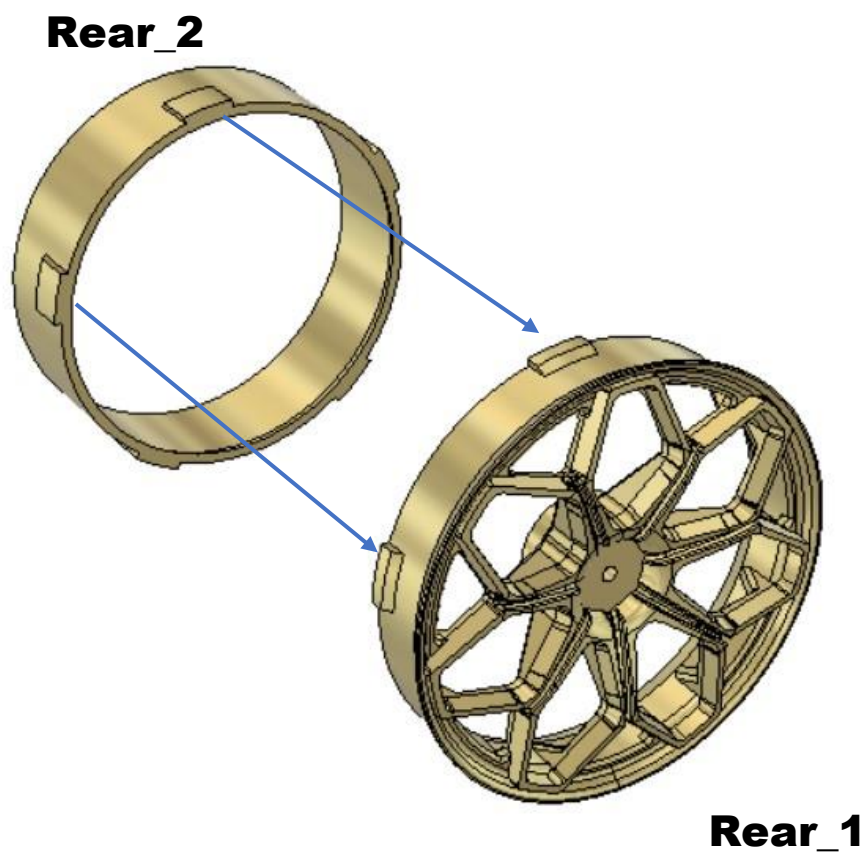




# Wheels



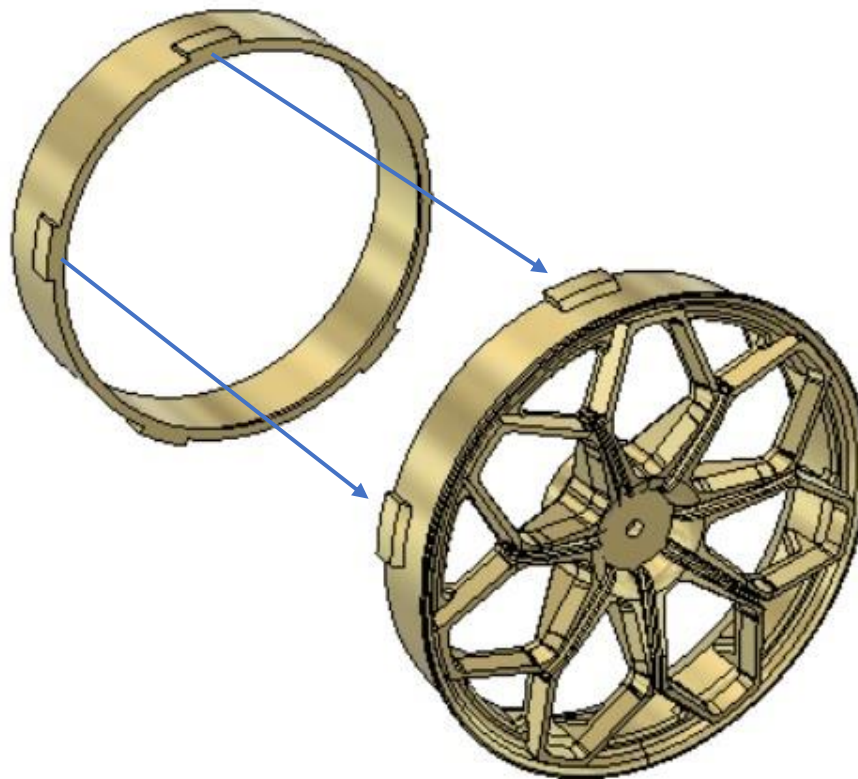
**2x**





**2x**

**Front\_2**



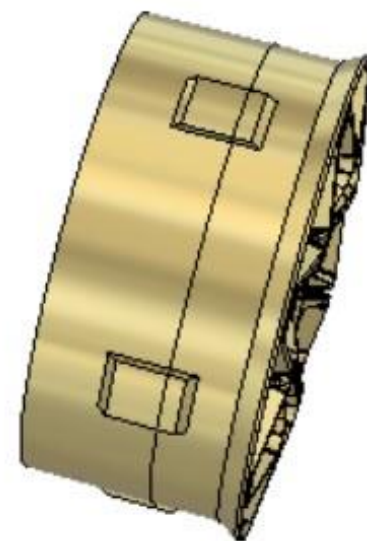
**Front\_1**



**Right Rear**



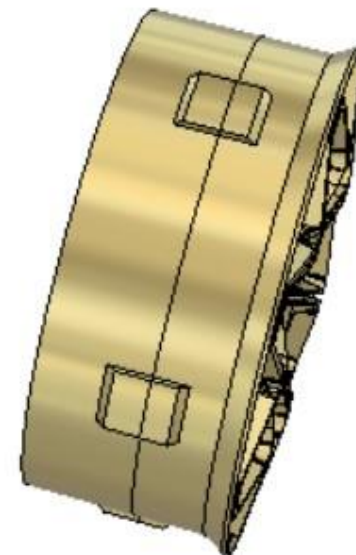
**Left Rear**





**Right Front**

**Left Front**



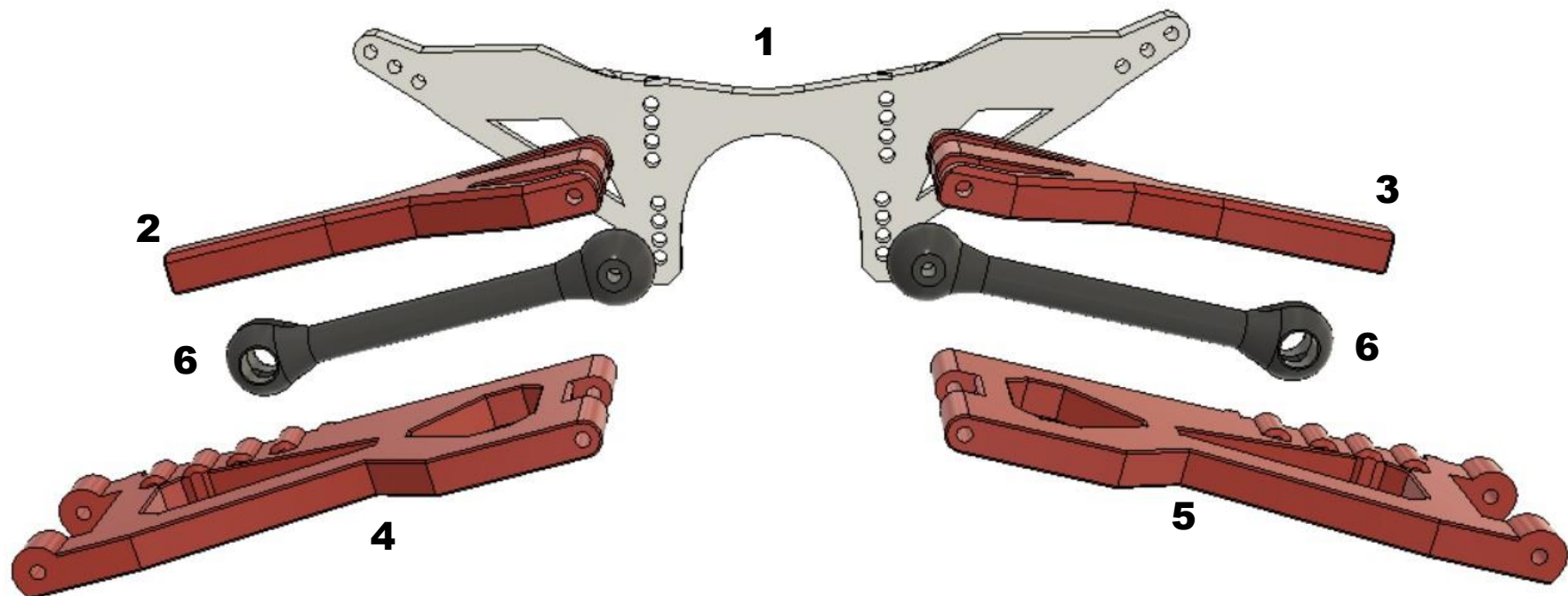
This completes the body shell.

"UNIchassis4x4\_1 / 5" still needs to be adapted

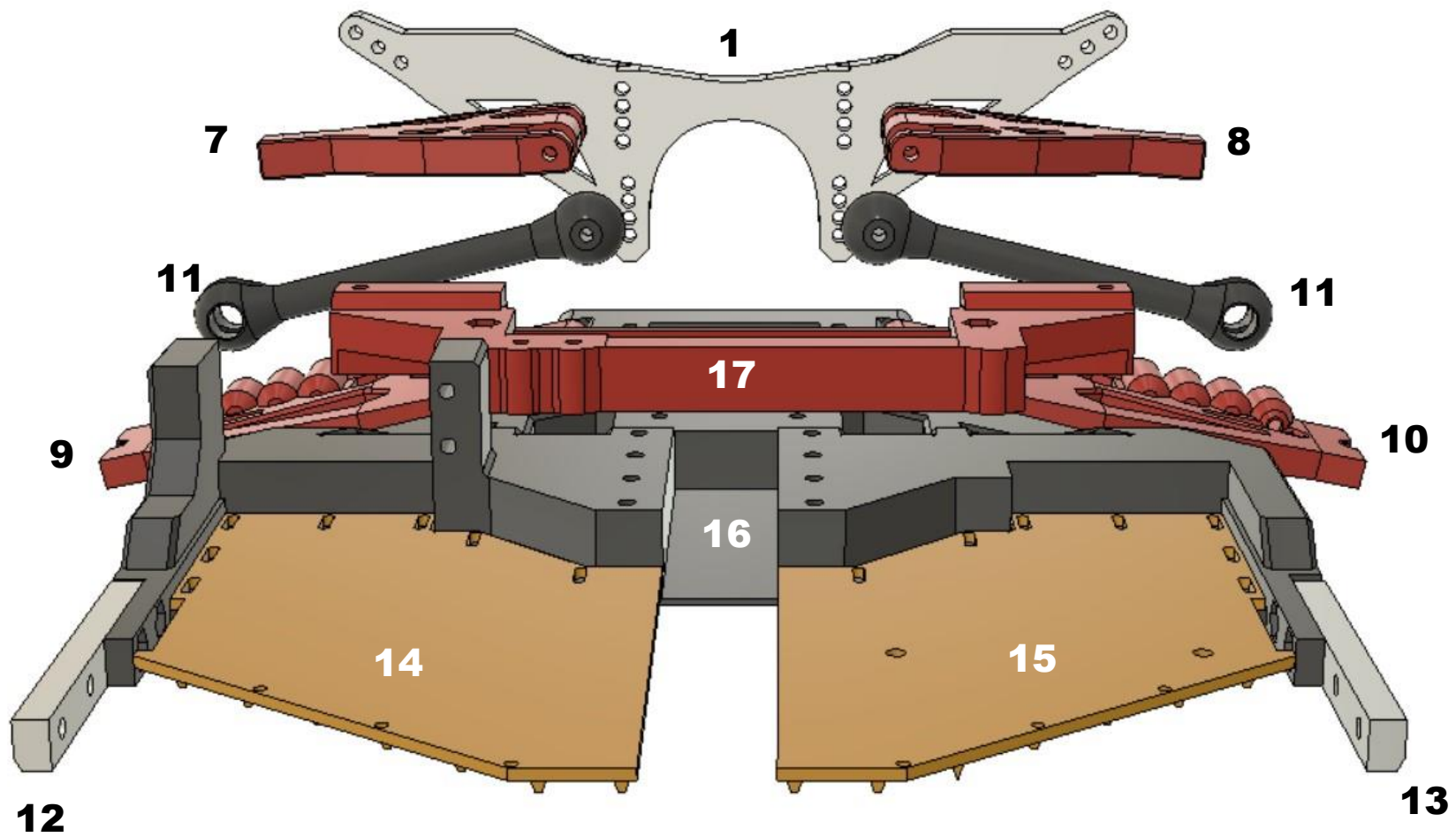
Only move the front to extend the chassis. It is necessary to make a longer front cardan shaft. The chassis needs to be lengthened and stretched. All necessary parts are in the "Chassis" folder

**I strongly recommend - print all stressed parts + part 6, 11 from the "Prusament PC Blend Jet" filament !!**

### **Parts for the rear of the chassis-**



### Parts for the front of the chassis-



**Enjoy the model**

