

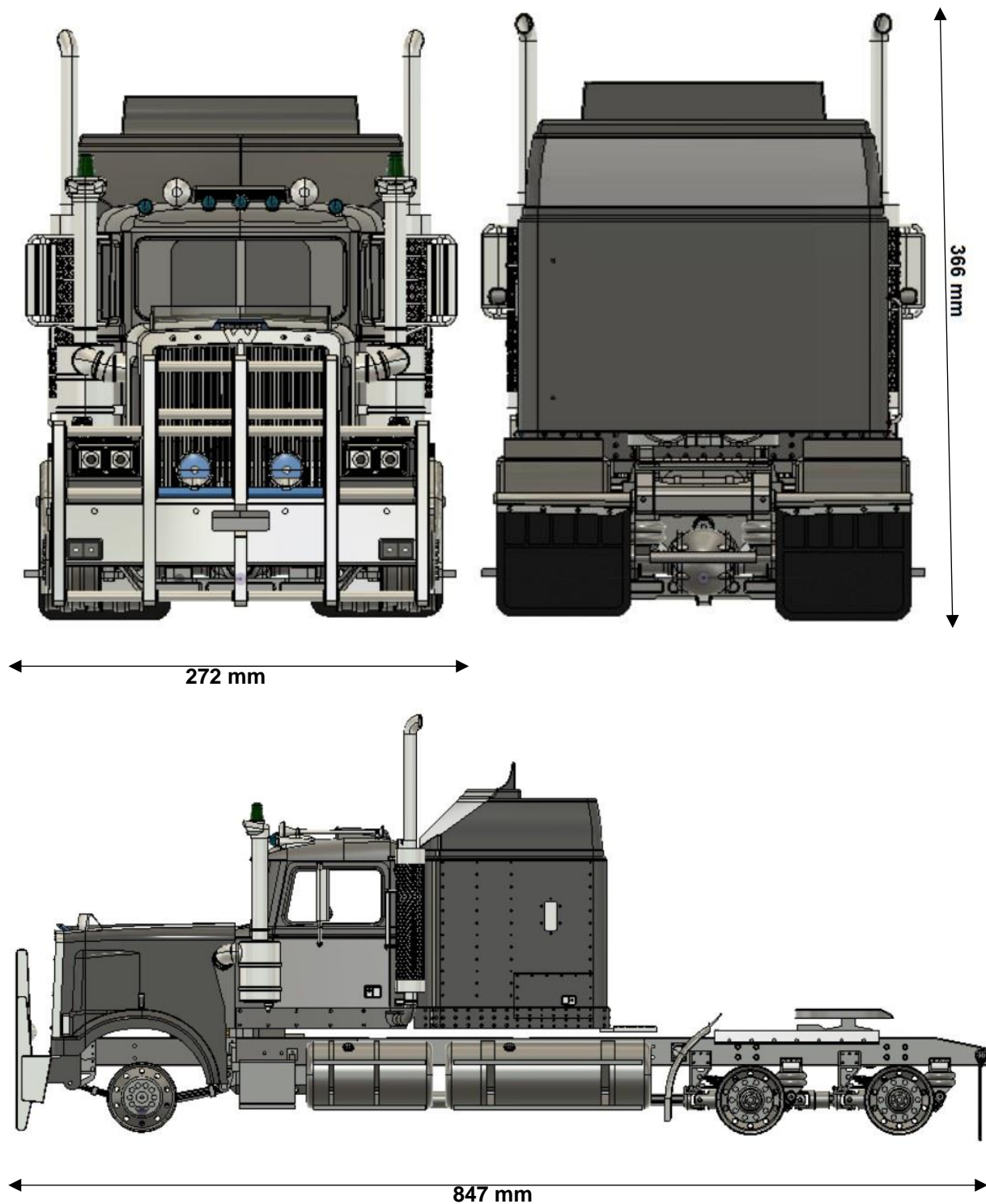
Návod na stavbu



Miroslav Liesner

Návod na stavbu Australian truck

1/10



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

E-mail: ssiforum@seznam.cz

v.1

Děkuji za zakoupení STL souborů modelu kamionu.

Díly jsem se snažil připravit
co nejpečlivěji s ohledem na jednoduchost a případnou opravitelnost.

Některé díly se nemusí přesně shodovat s obrázky v tomto návodu.

Jedná se o později upravené nebo vylepšené díly.

Sledujte prosím aktualizace:

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

Pro stavbu budete potřebovat:

[3D tiskárnu s tiskovou plochou 25x20 cm](#)

text odkazuje na prodejce kvalitních a perfektně postavených, vyladěných 3D tiskáren se zárukou + spoustu benefitů.

Rozhodně stojí za shlédnutí.

4 kg kvalitního PLA

Transparentní PLA Crystal Clear od Filamentum – díly jsou v návodu označené „Clear“

Flex filament (není podmínkou) - díly jsou v návodu označené „Flex“

Kuličková ložiska 10x15x4 – 23ks

[Pneumatiky 100 mm](#) – 10ks

Střední kyanoakrylátové lepidlo + aktivátor

DUROFOL 0,2 mm

M2 šroubky

M3 šroubky

M3 maticky

M3 červíky

[Neodymové kruhové magnety](#) 8x3mm – 12ks

Motor velikosti 540 + regulátor

Standartní servo – minimálně 30 kg

Vazelínu PTFE a pár dalších věcí (barvy, lak, a pod.)

2S1P Li-Po baterie 7,4 V

Vysílač + přijímač

Doporučené nastavení tisku:

Tryska: 0,4 mm

Šířka extruze: 0,48 mm

Výška vrstvy: 0,15 mm – 0,2 mm

Výplň: 25%, převody a hřídelky 100%

Perimetry: 2-3

Díly, které mají být tištěné jinak, to mají uvedeno v názvu.

Tisková rychlost: 70 mm/s, venkovní perimetry 30 mm/s

Teploty: 220°C HE, 50°C HB

Díly tištěné s podporou mají v názvu "support".

Toto je mé doporučené nastavení tiskárny,
můžete však použít i vaše osvědčené.

Před slepením dílů vyzkoušejte jejich usazení.

**Na srovnání styčných ploch použijte pilník,
ostrý nůž nebo smirkový papír.**

**Nejčastější problém je "sloní noha" - rozšíření tisku
na podložce. Toto se musí zabrousit.
Také důkladně plánujte umístění švů,
zejména u převodů.**

Fotogalerie:

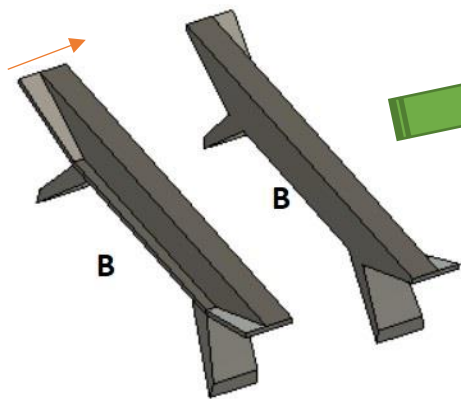
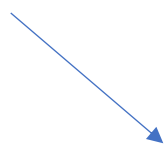
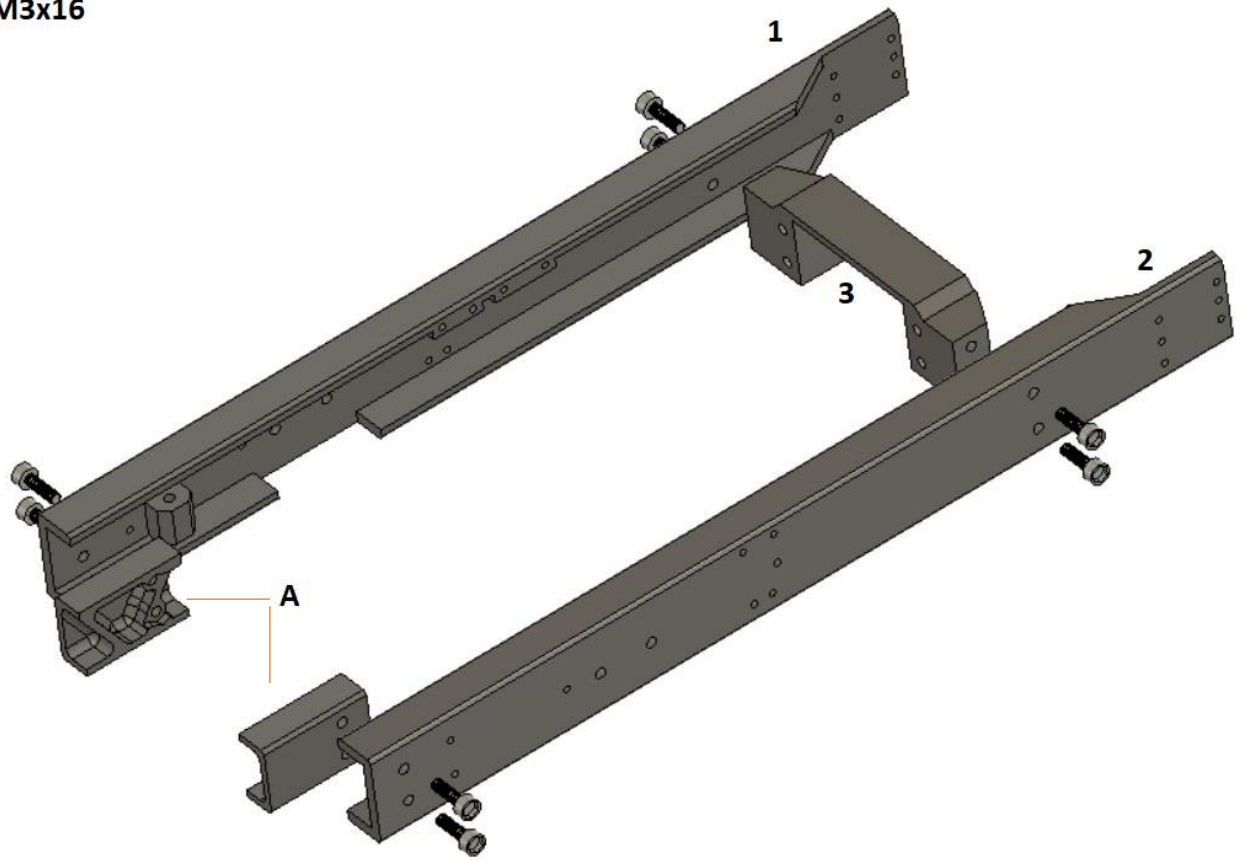
https://ssiforum.rajce.idnes.cz/3D_Print_1_10_RC_Australian_Truck_6x4/

Videa:

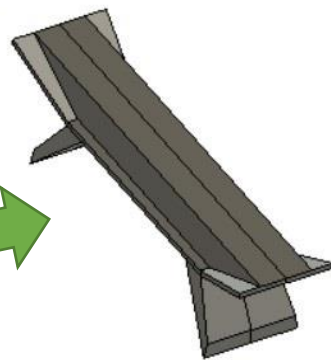
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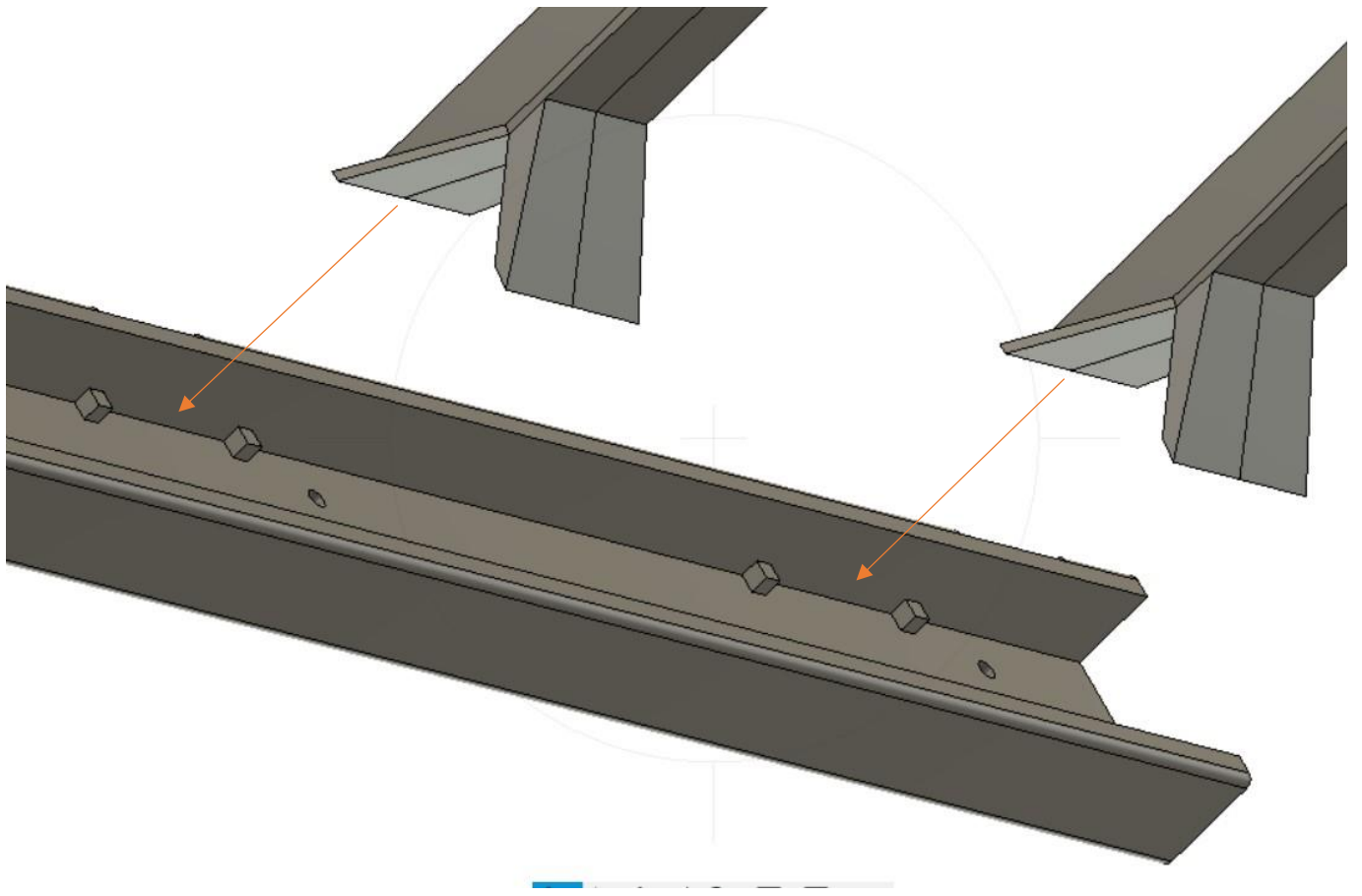
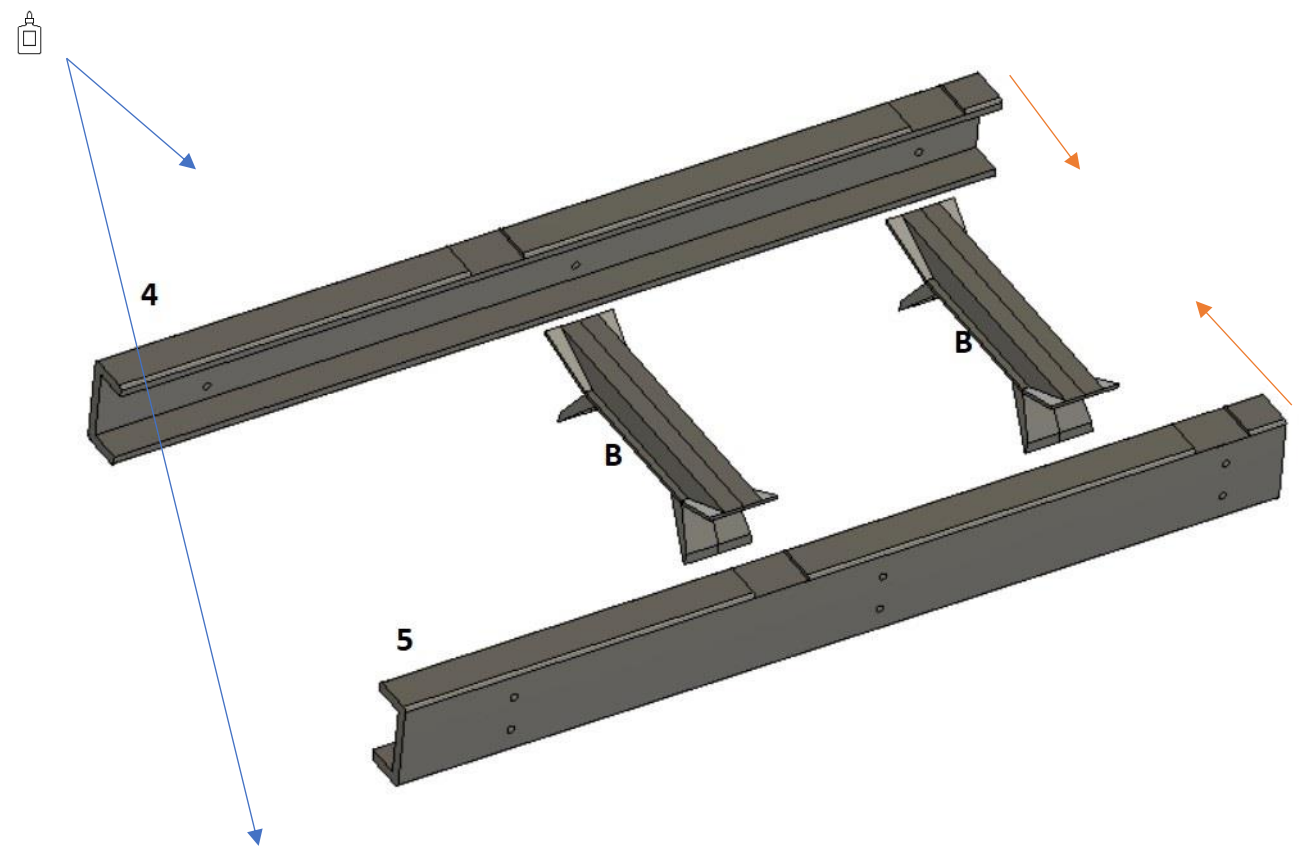
Šasi

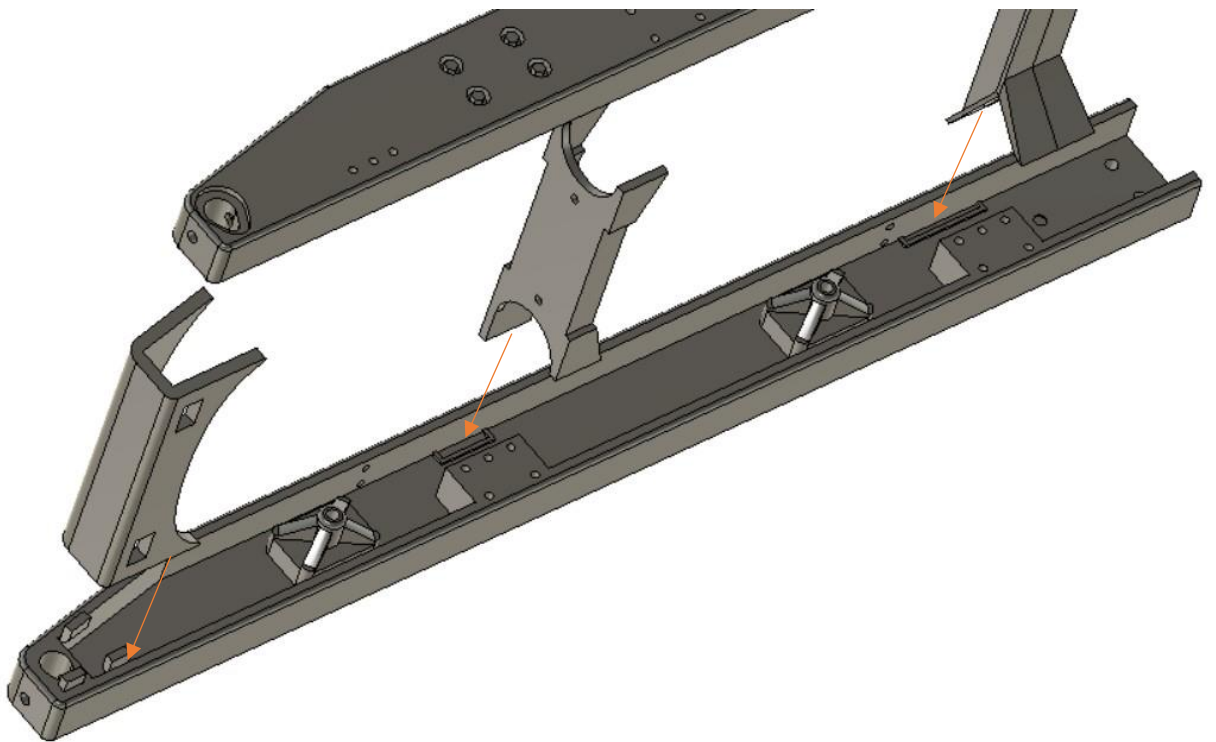
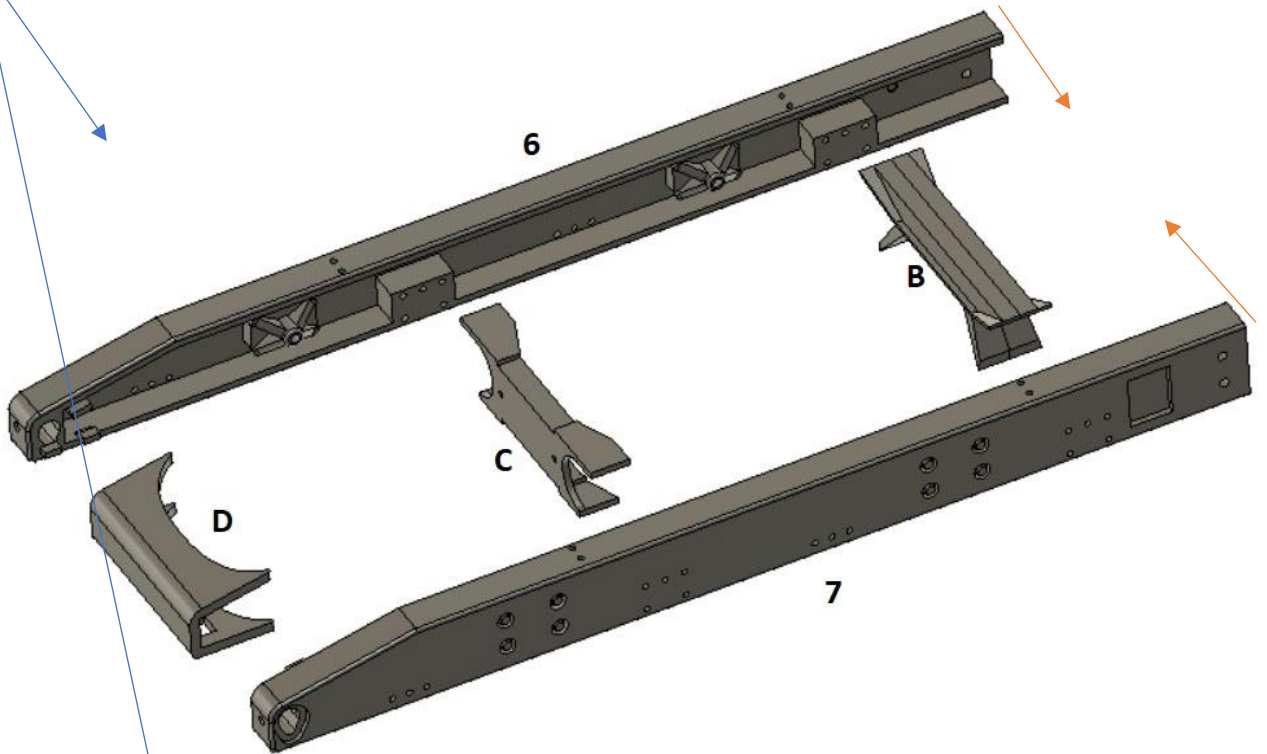
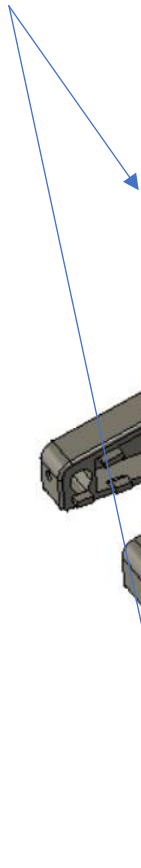
M3x16



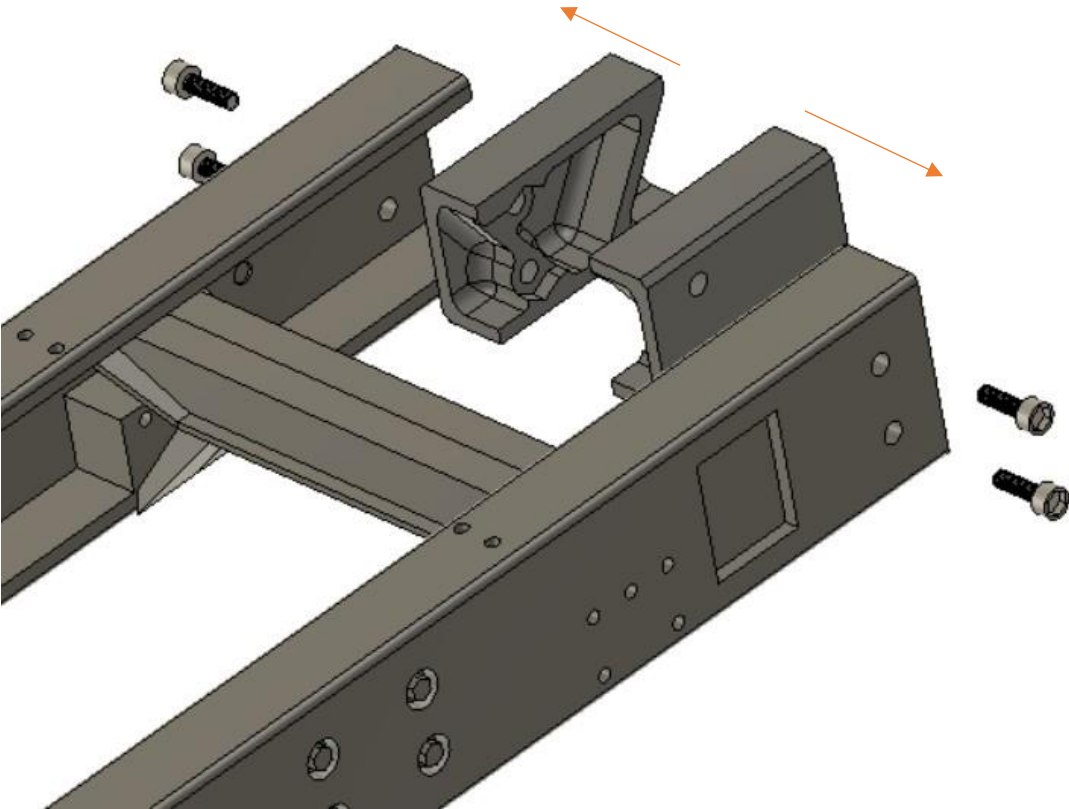
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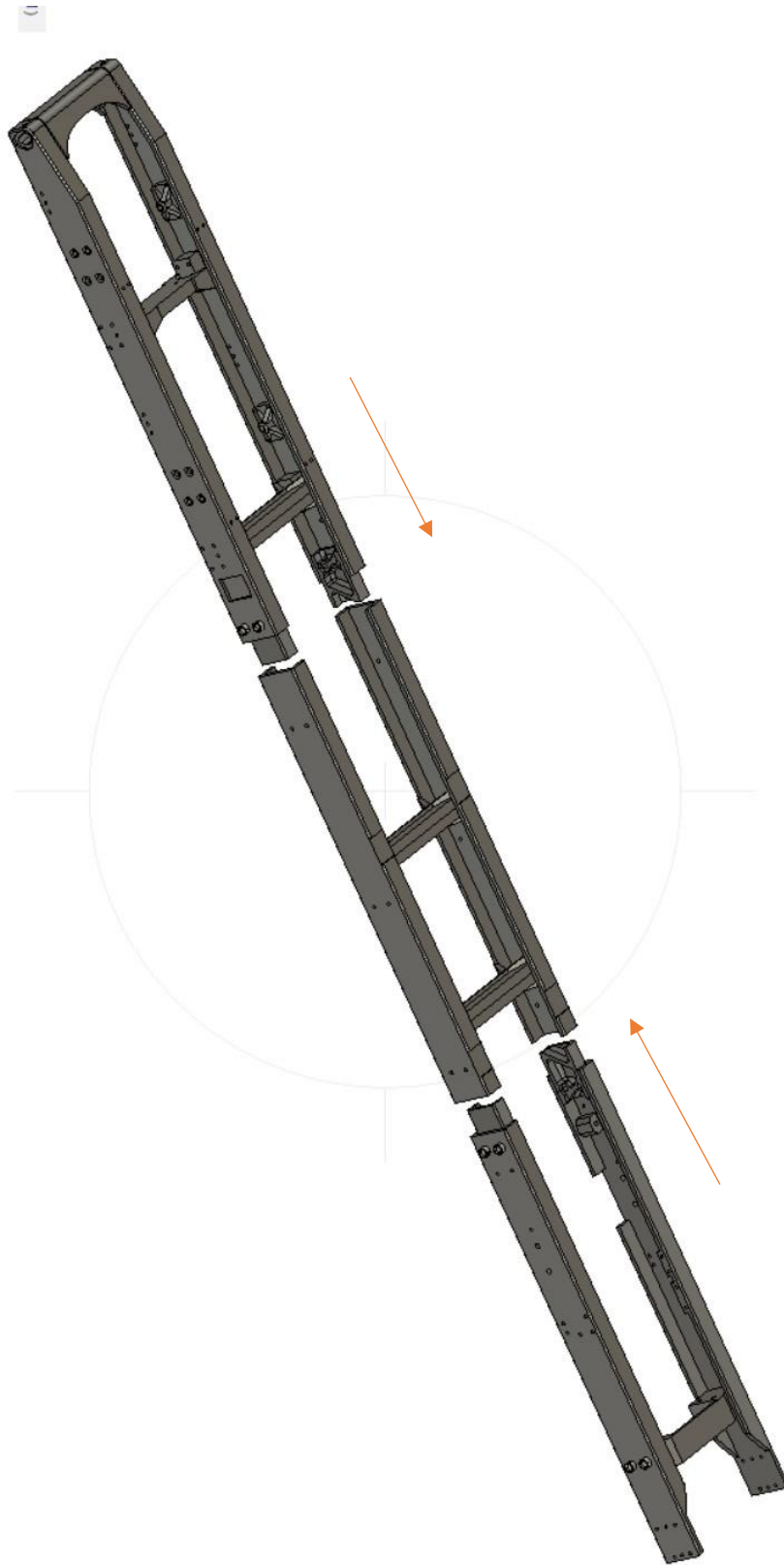
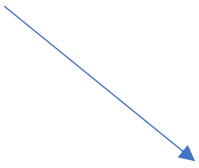






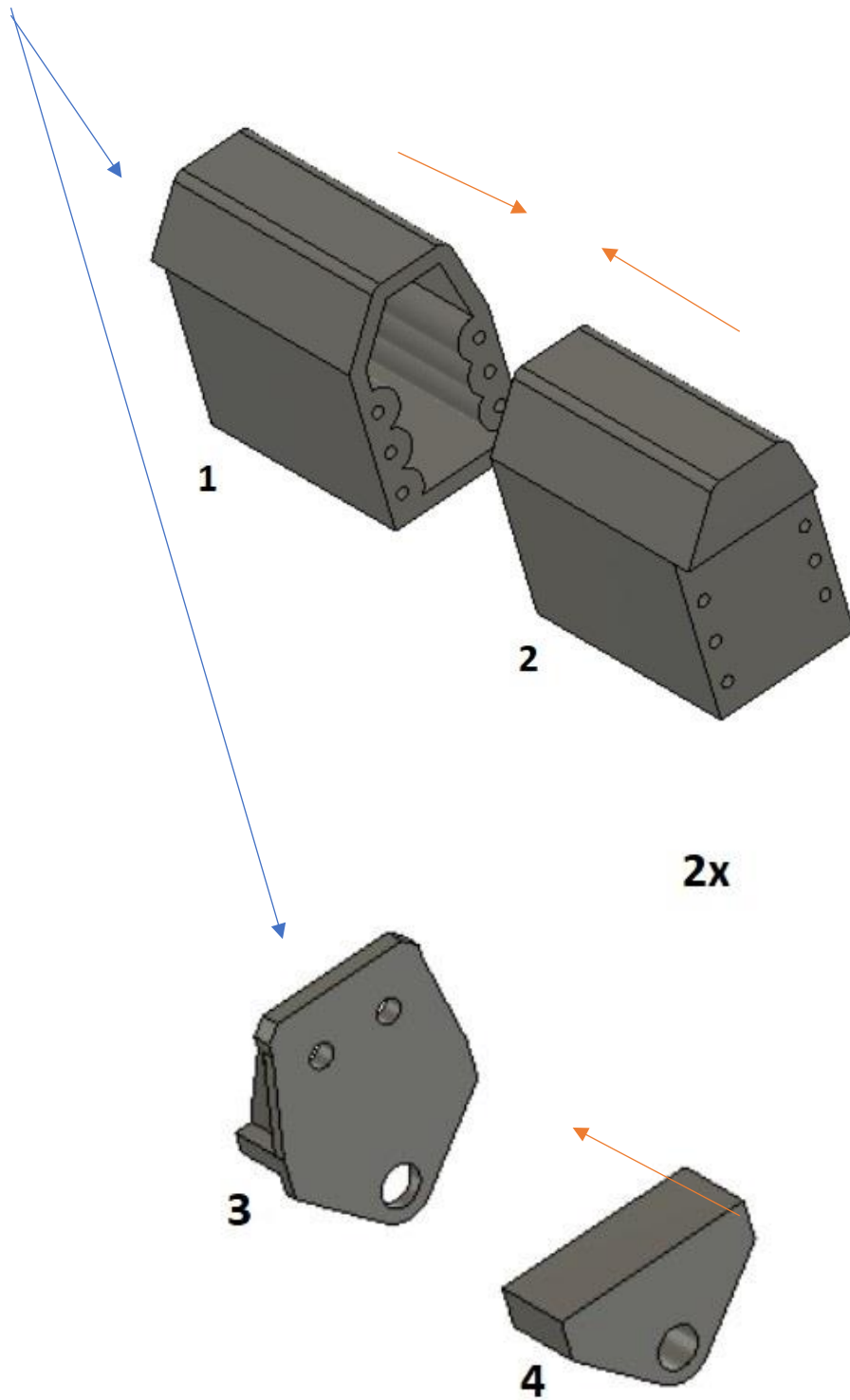
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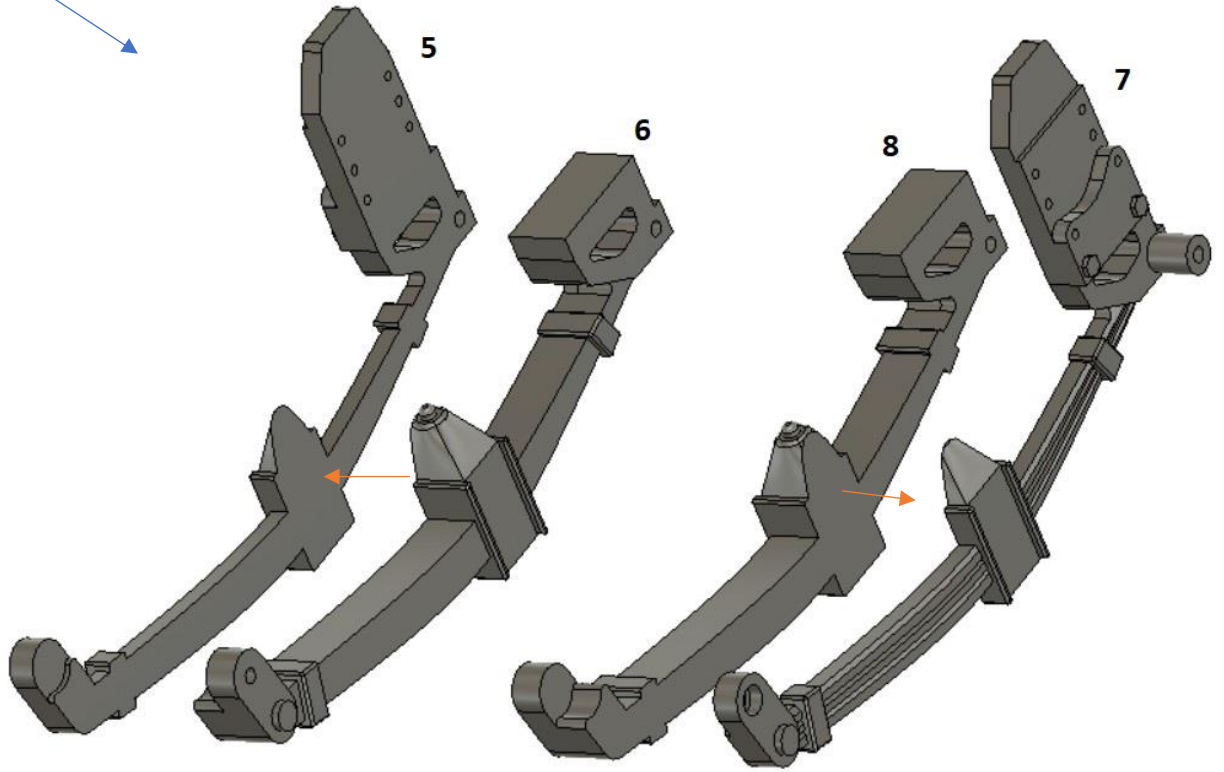
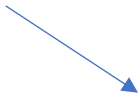




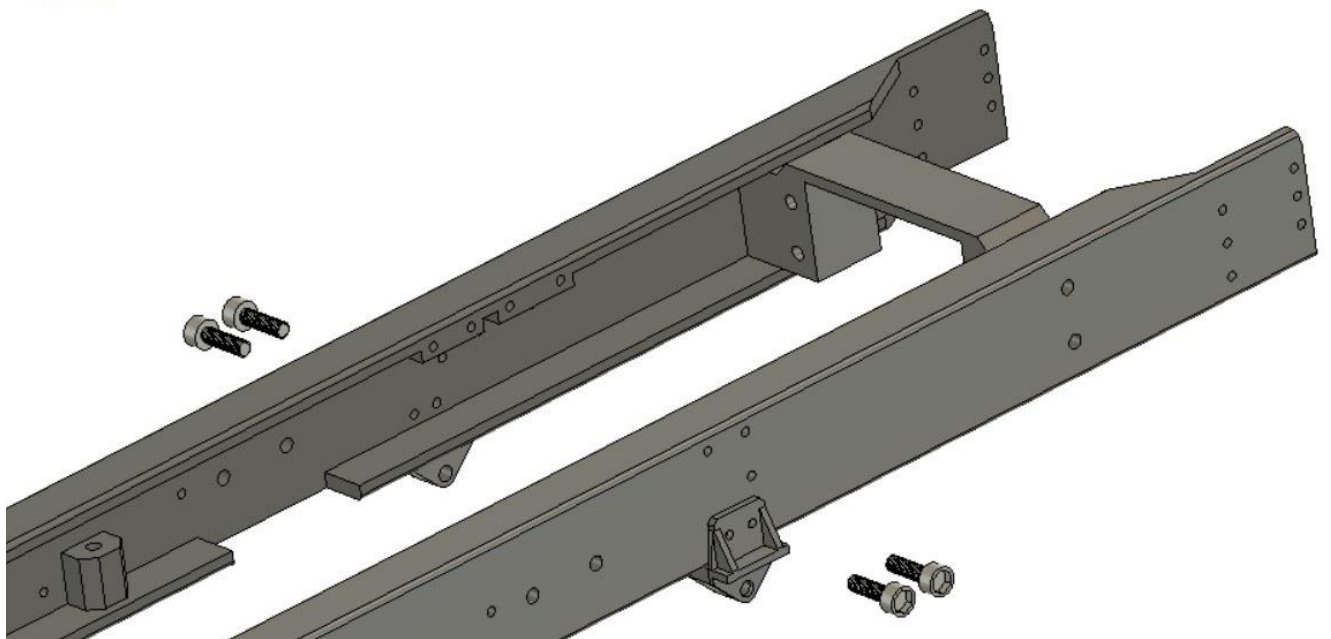


Pérování přední

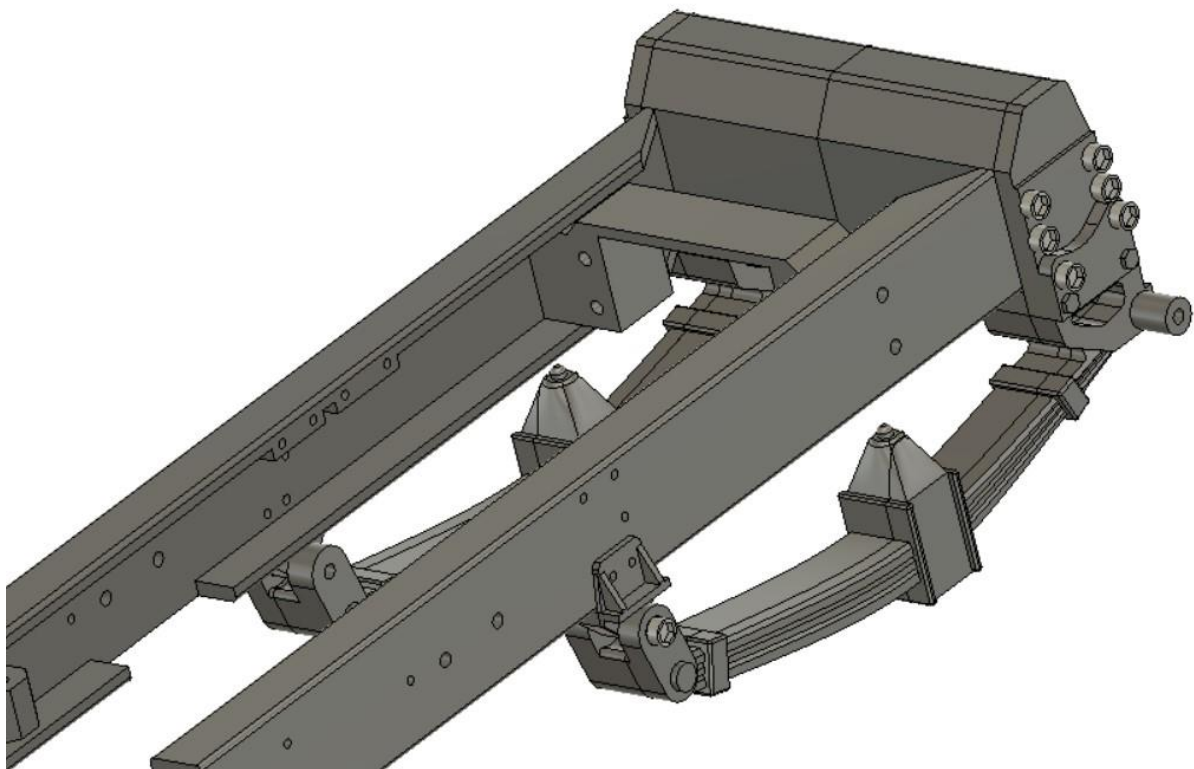
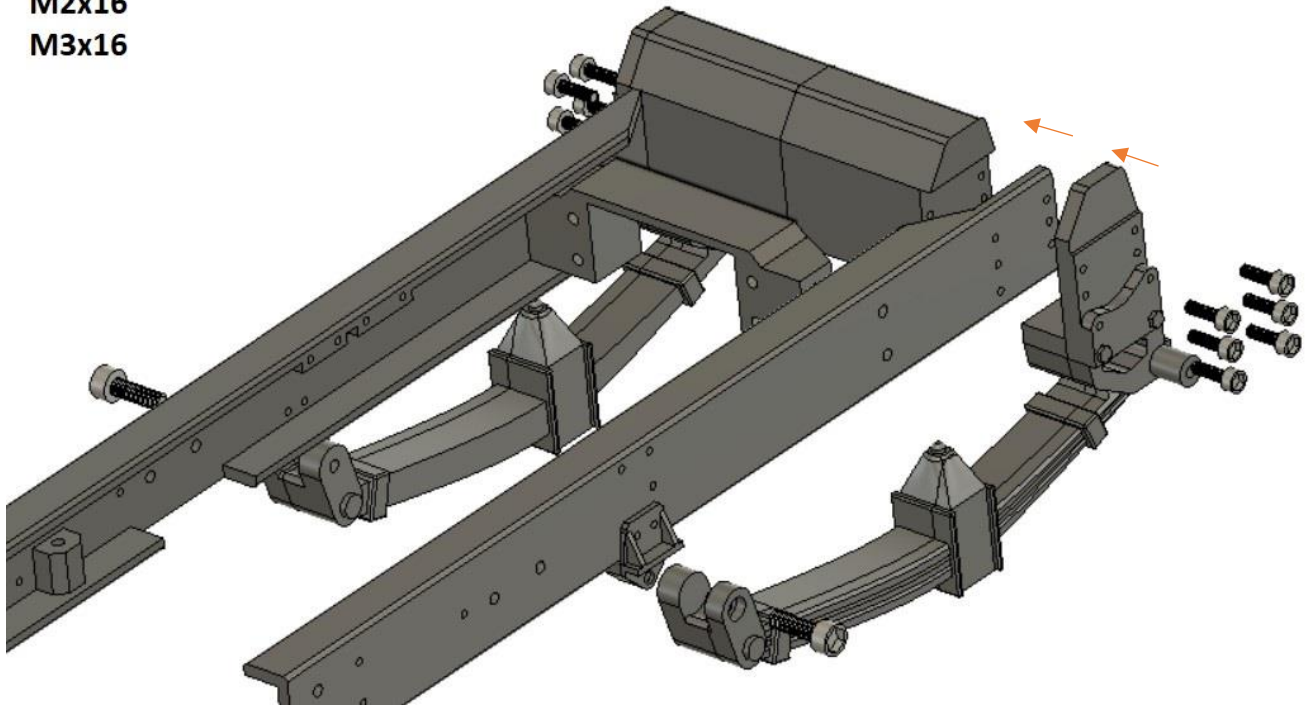




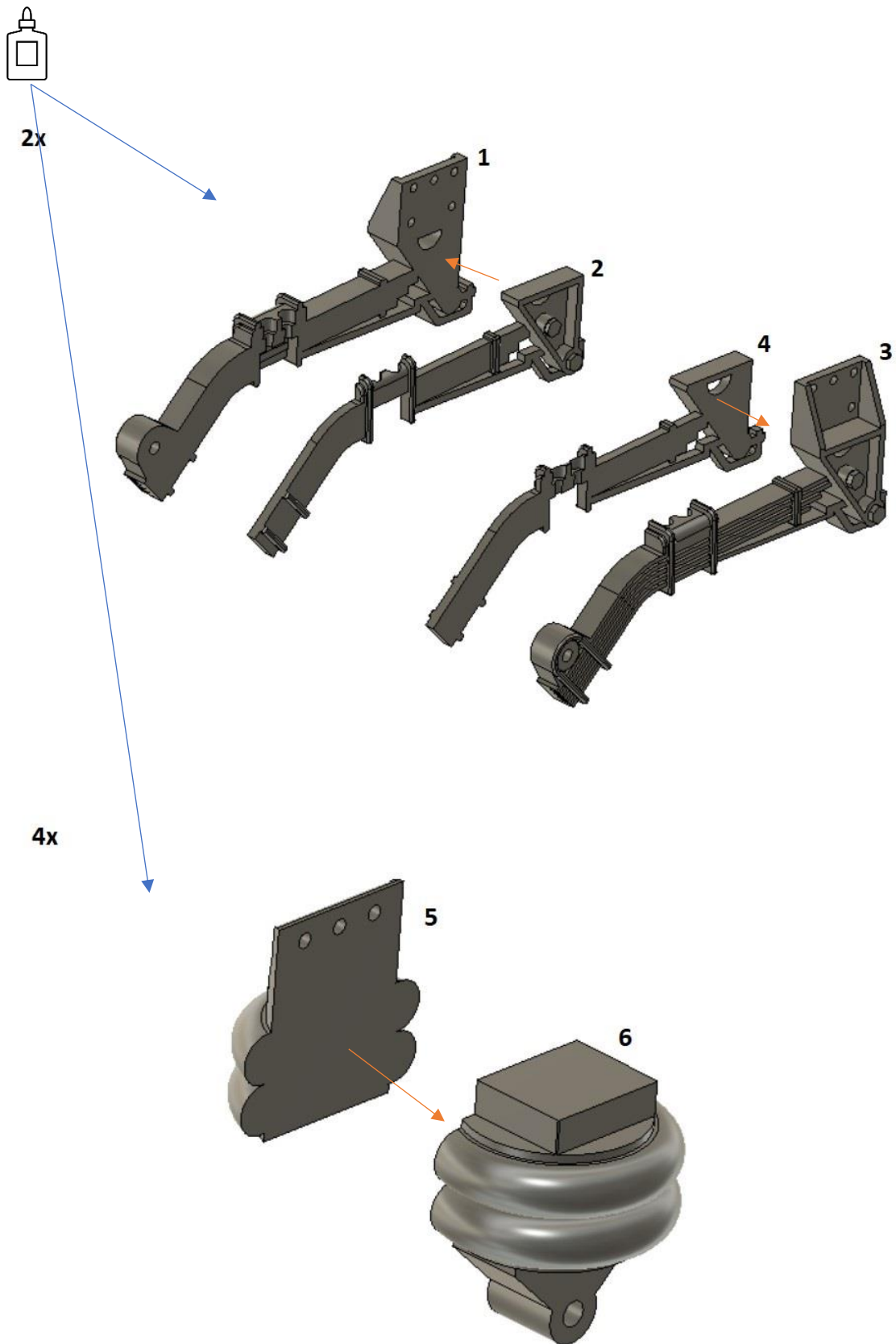
M2x6



M2x16
M3x16

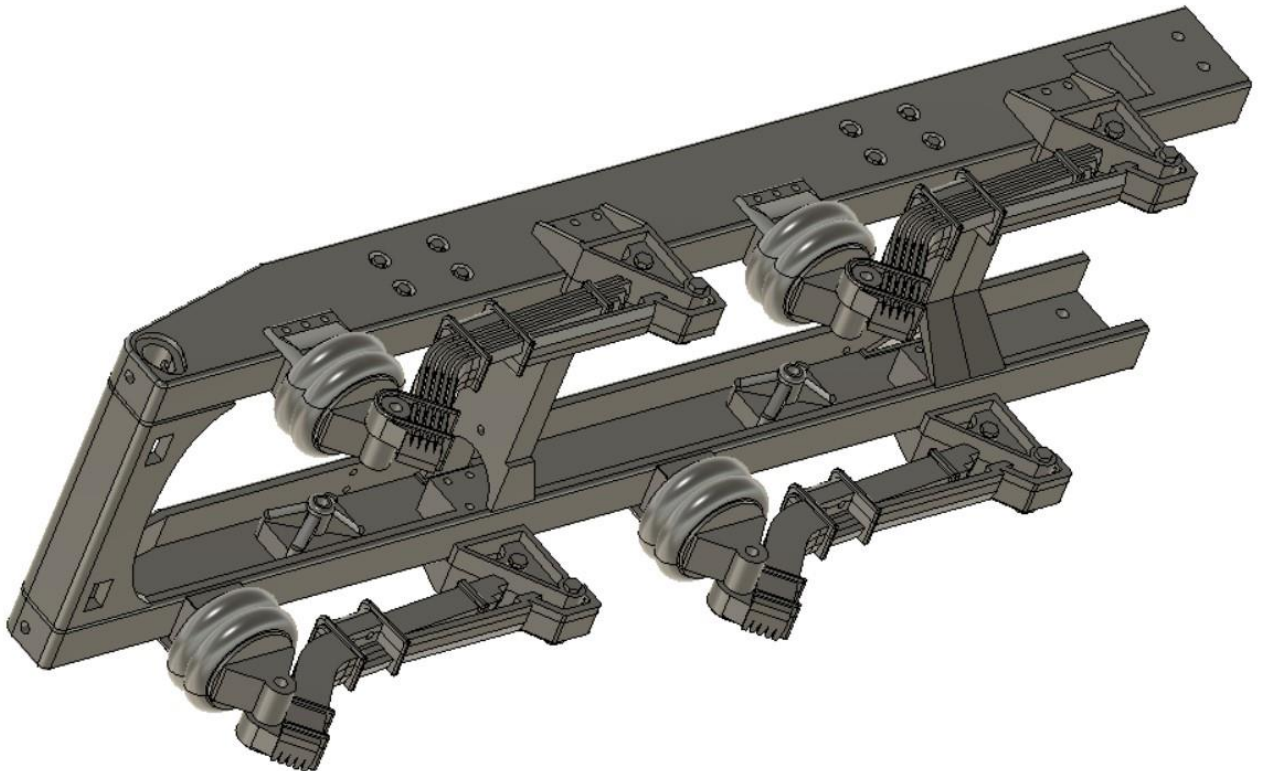
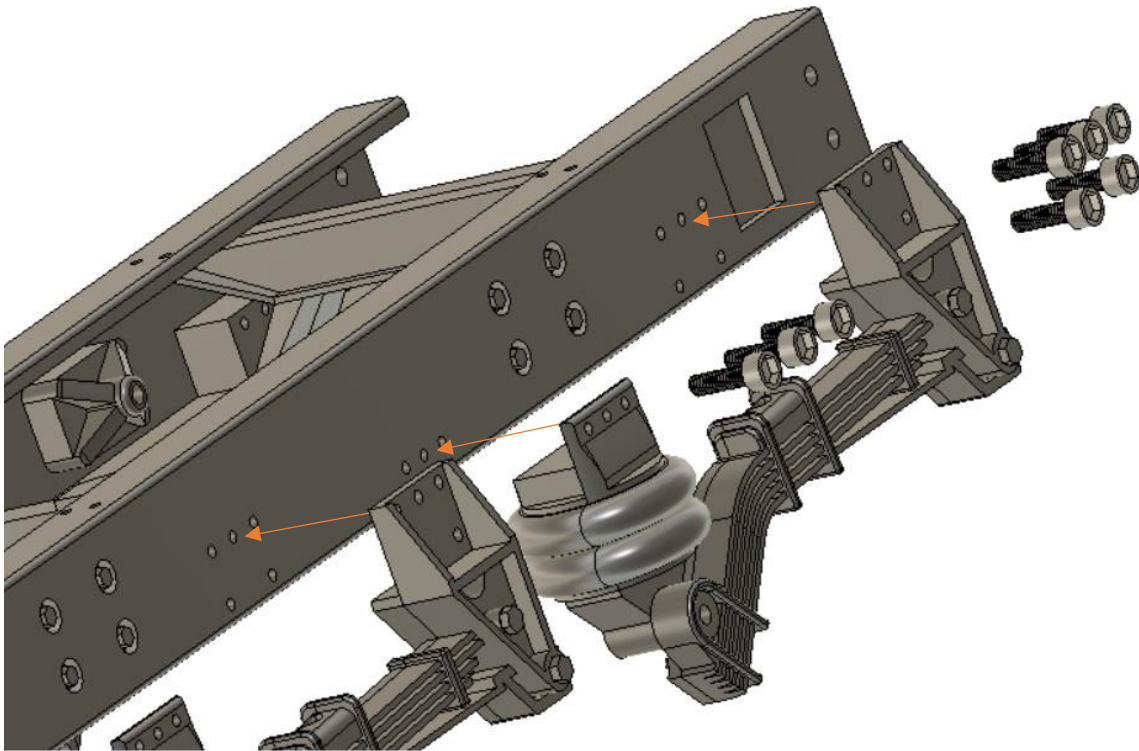


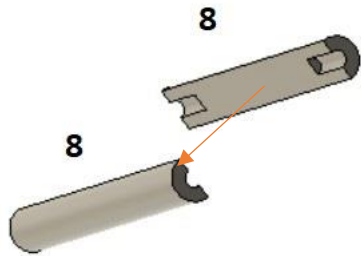
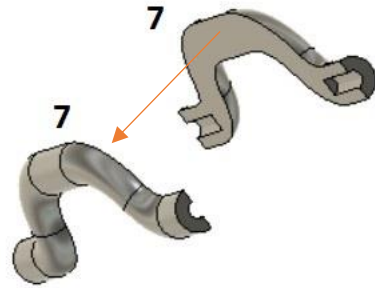
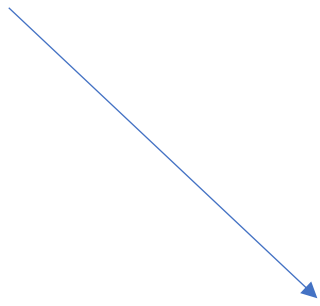
Pérování zadní



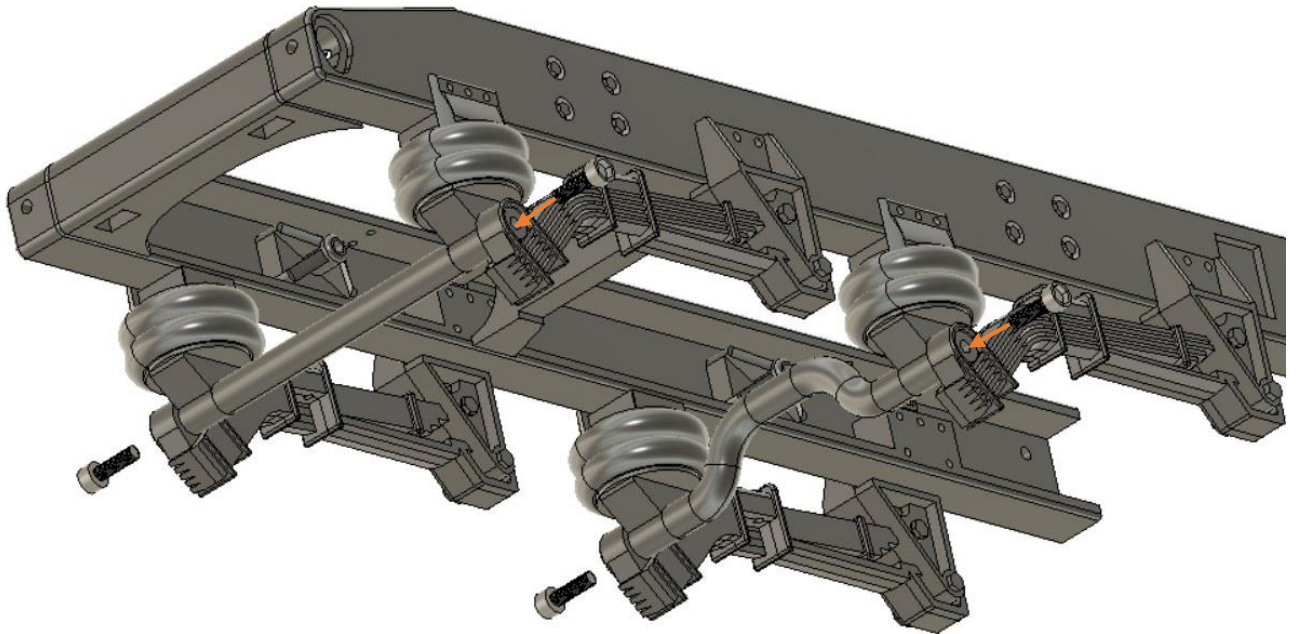
M2x16

4X



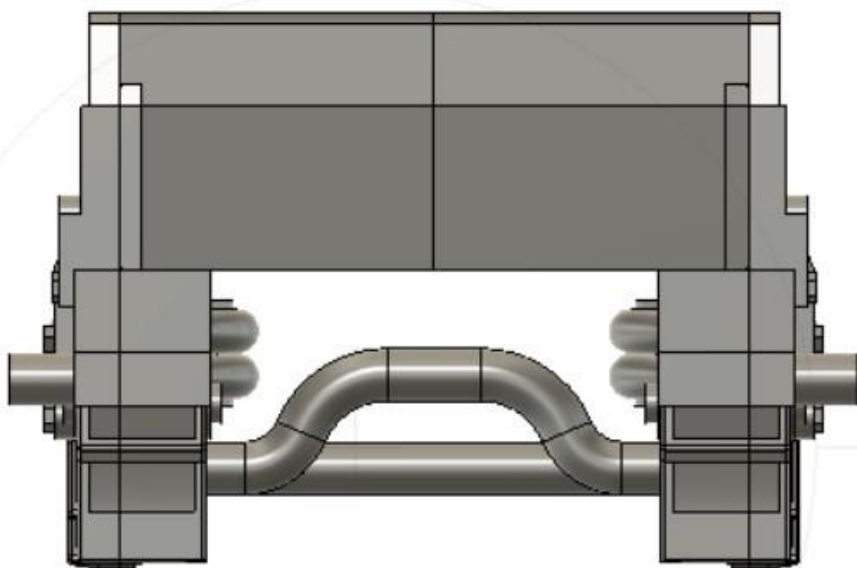
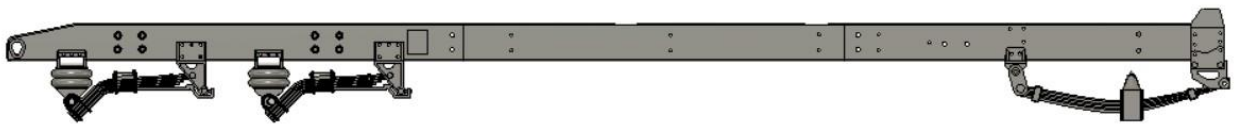
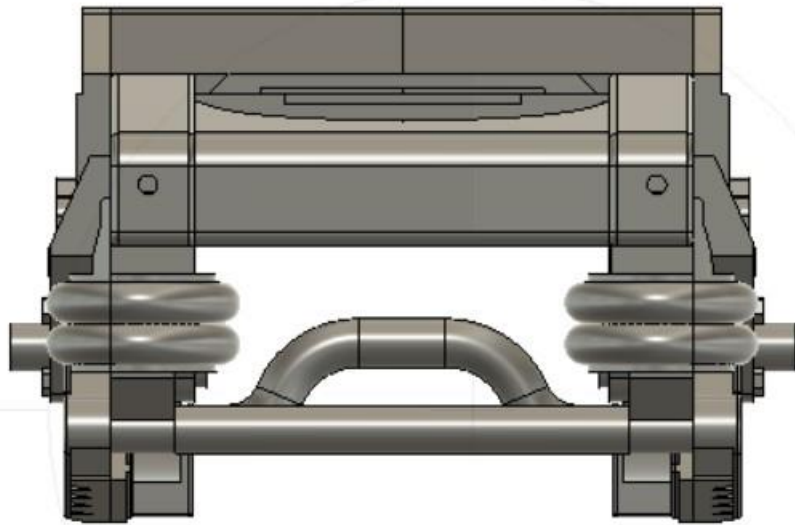


M3x20

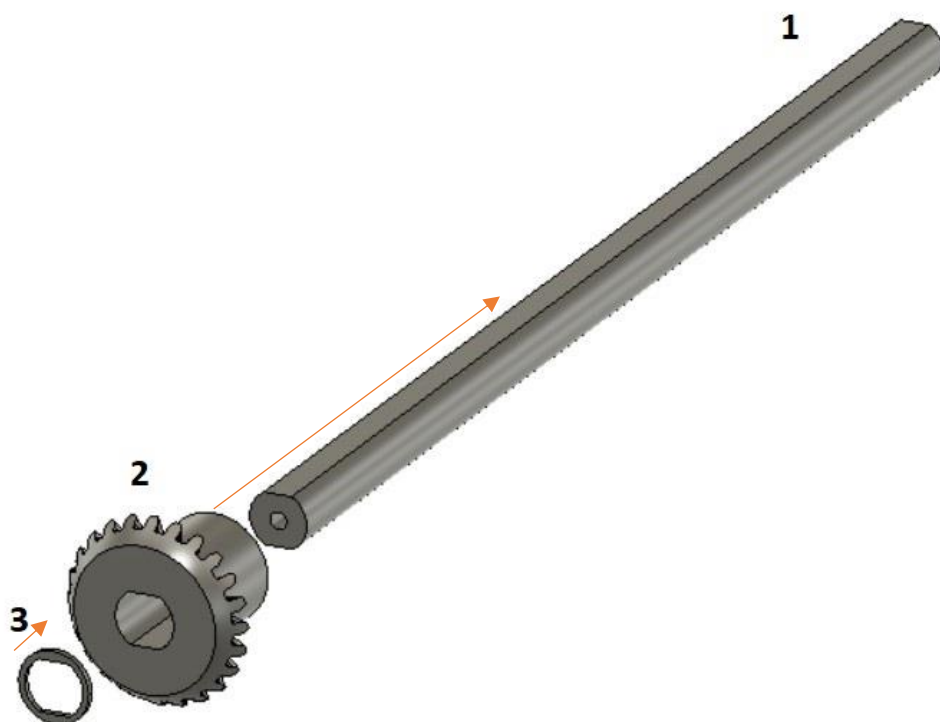


Pohledy

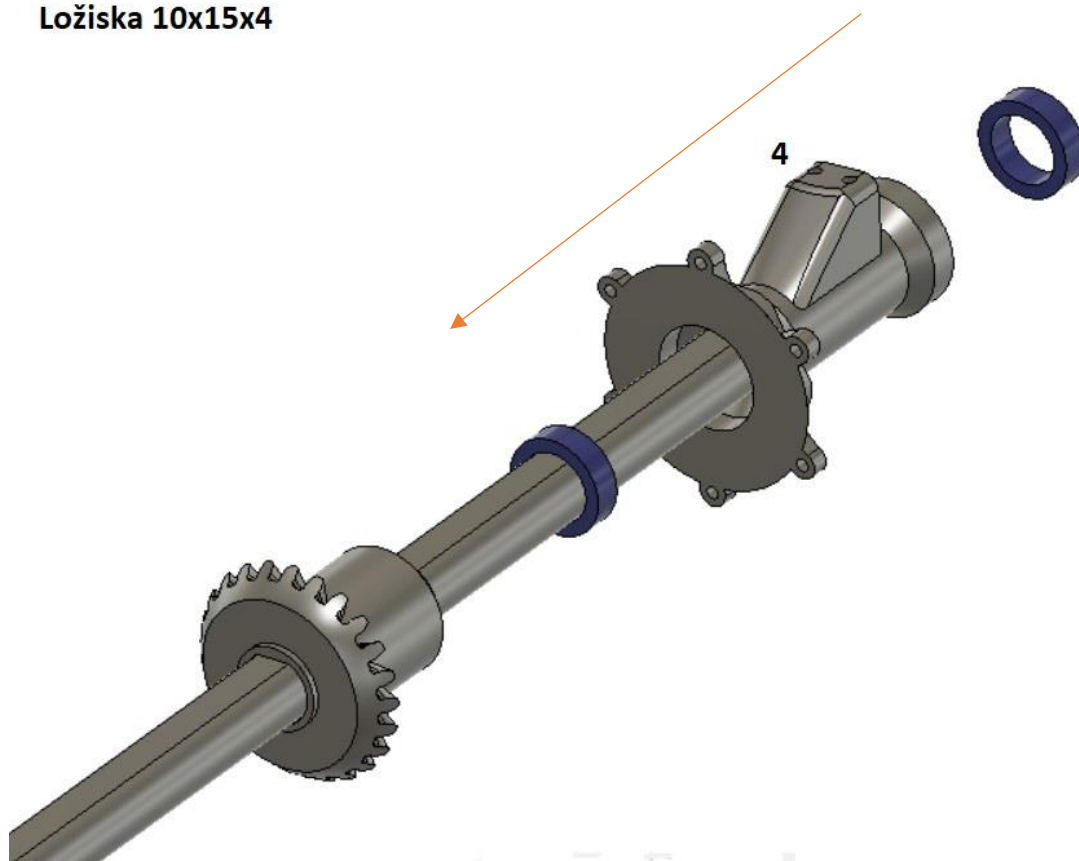
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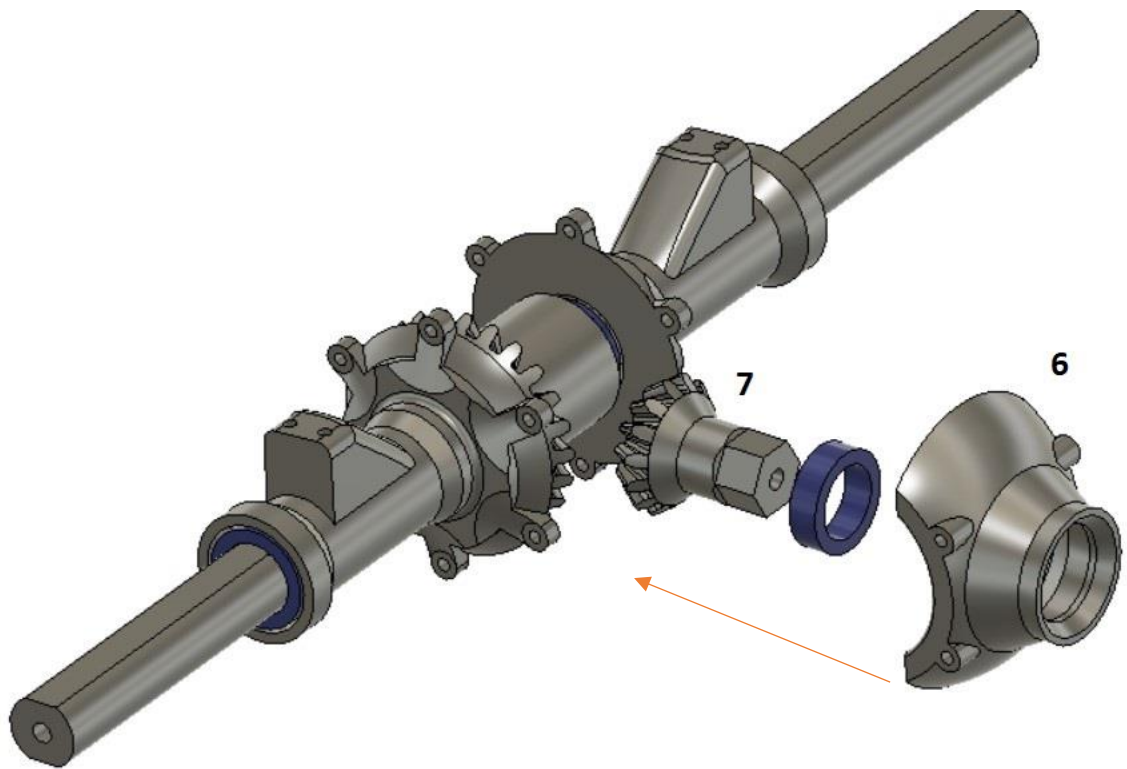
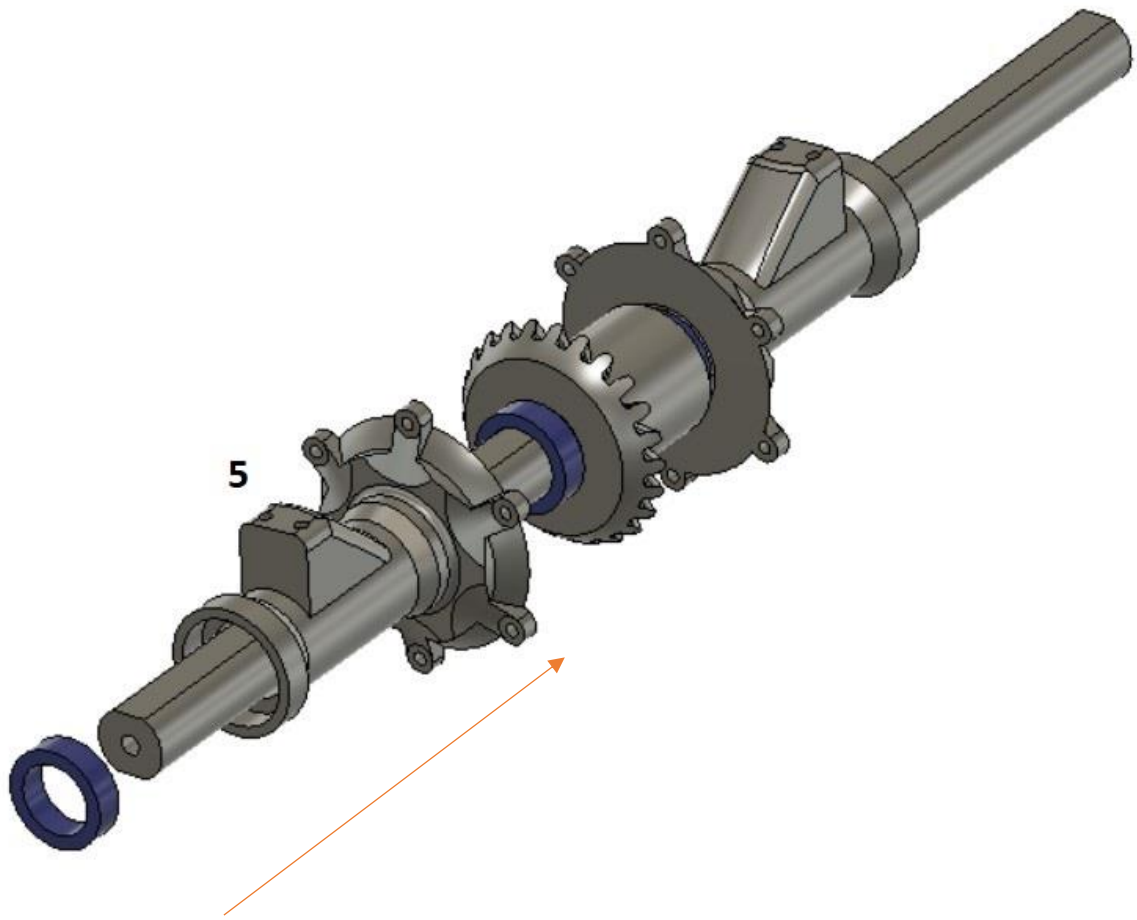


Převody

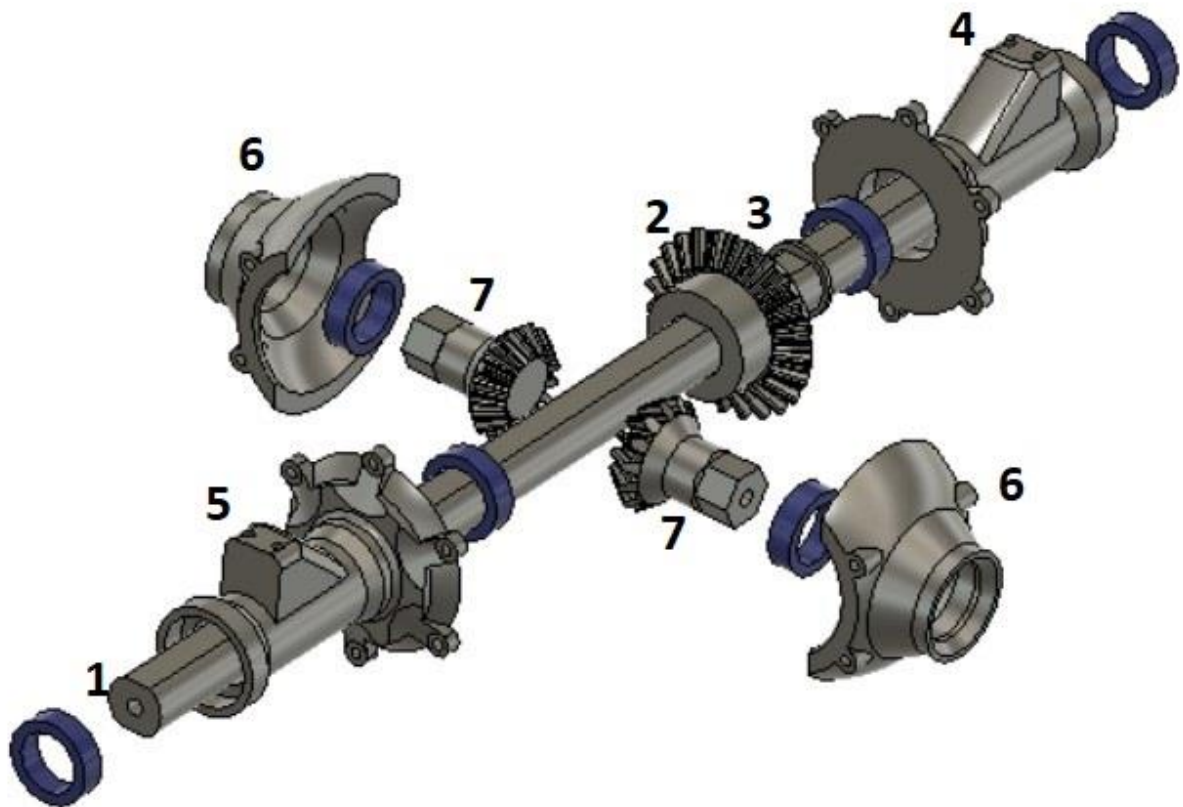
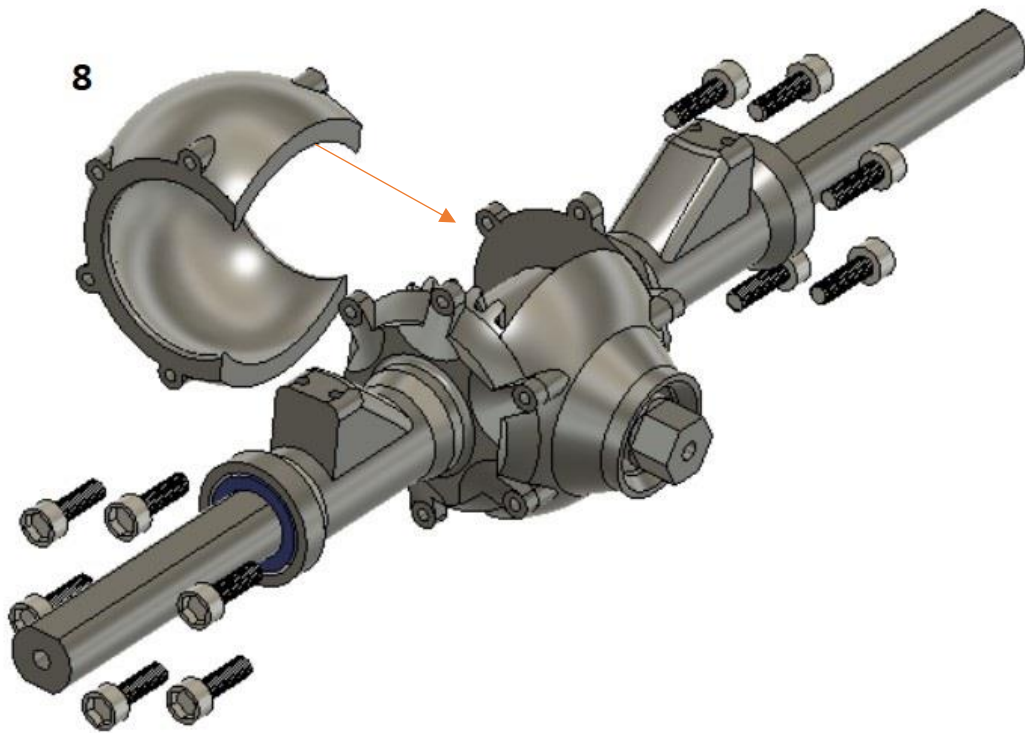


Ložiska 10x15x4

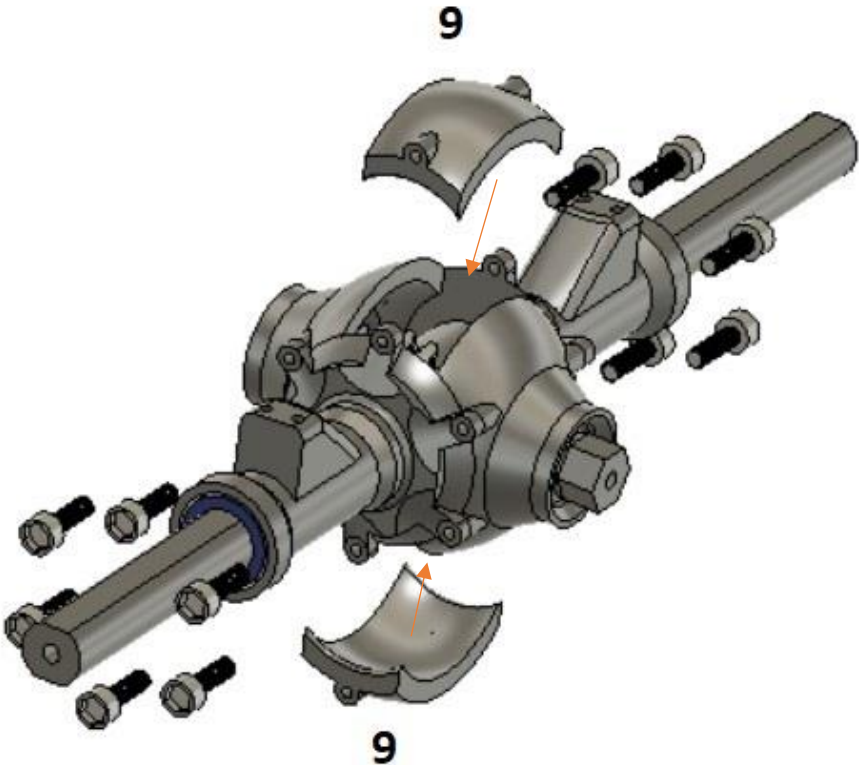




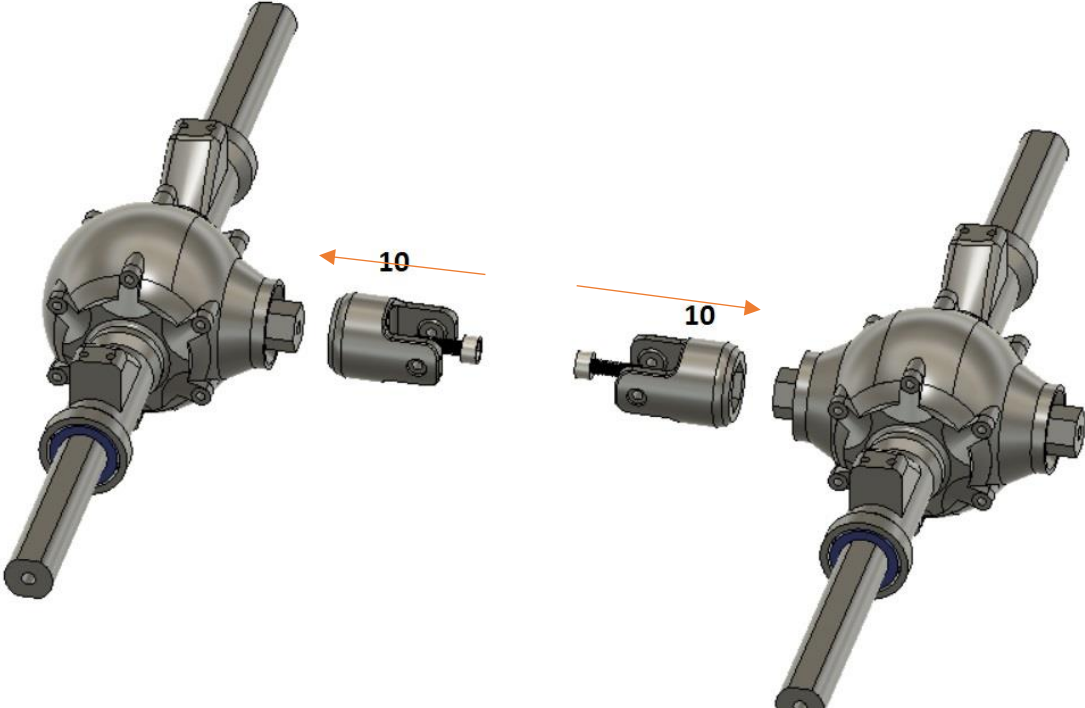
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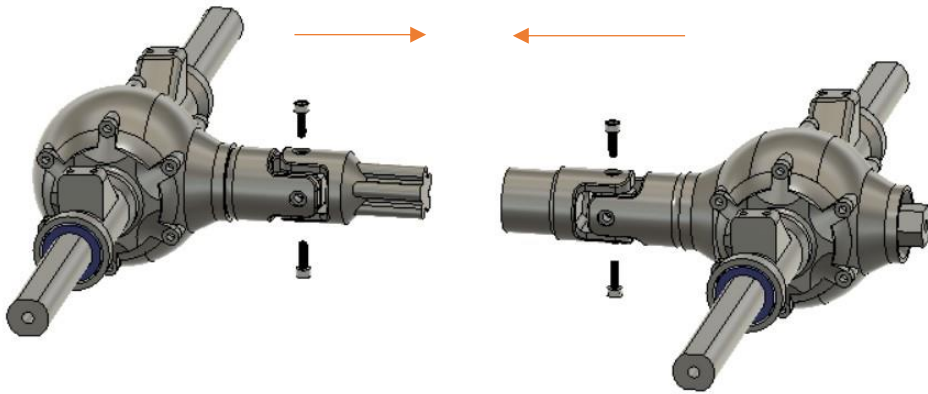
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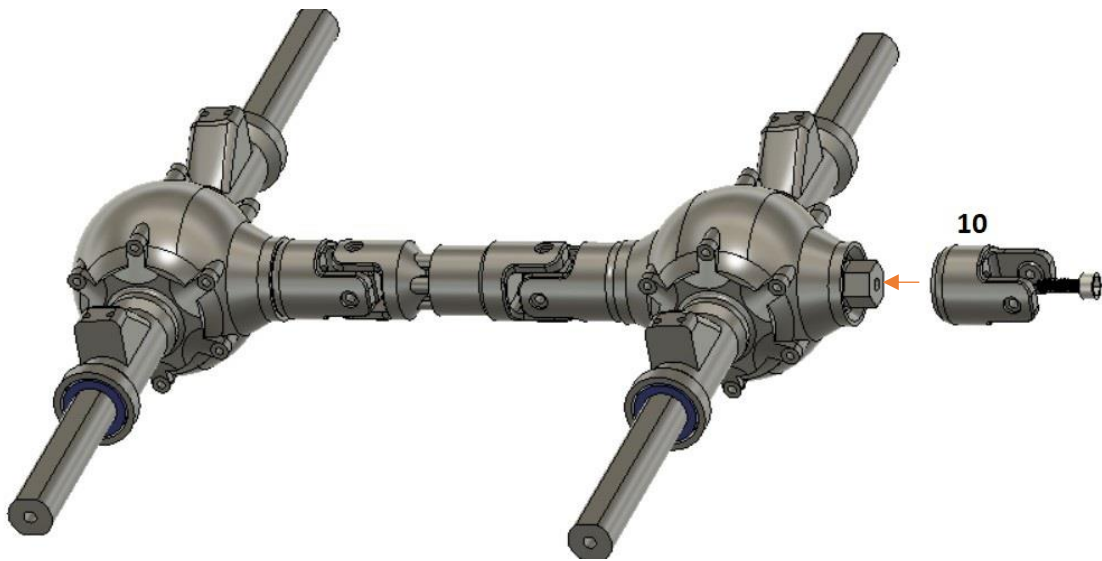
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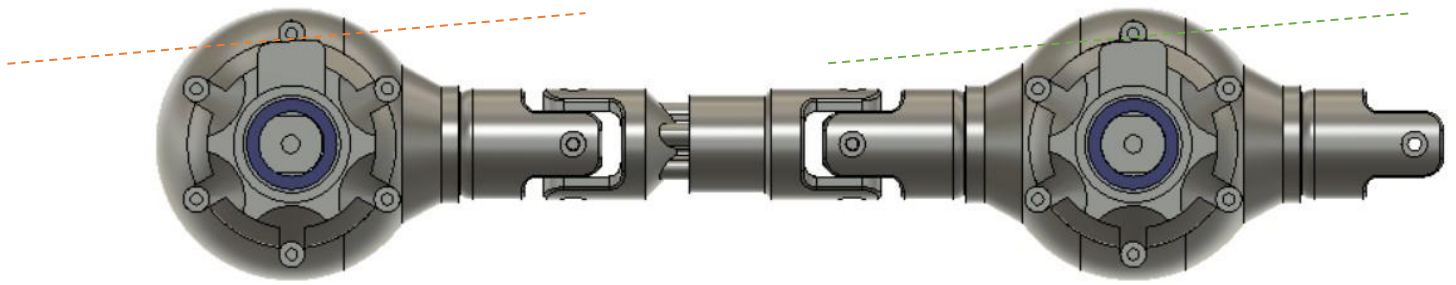
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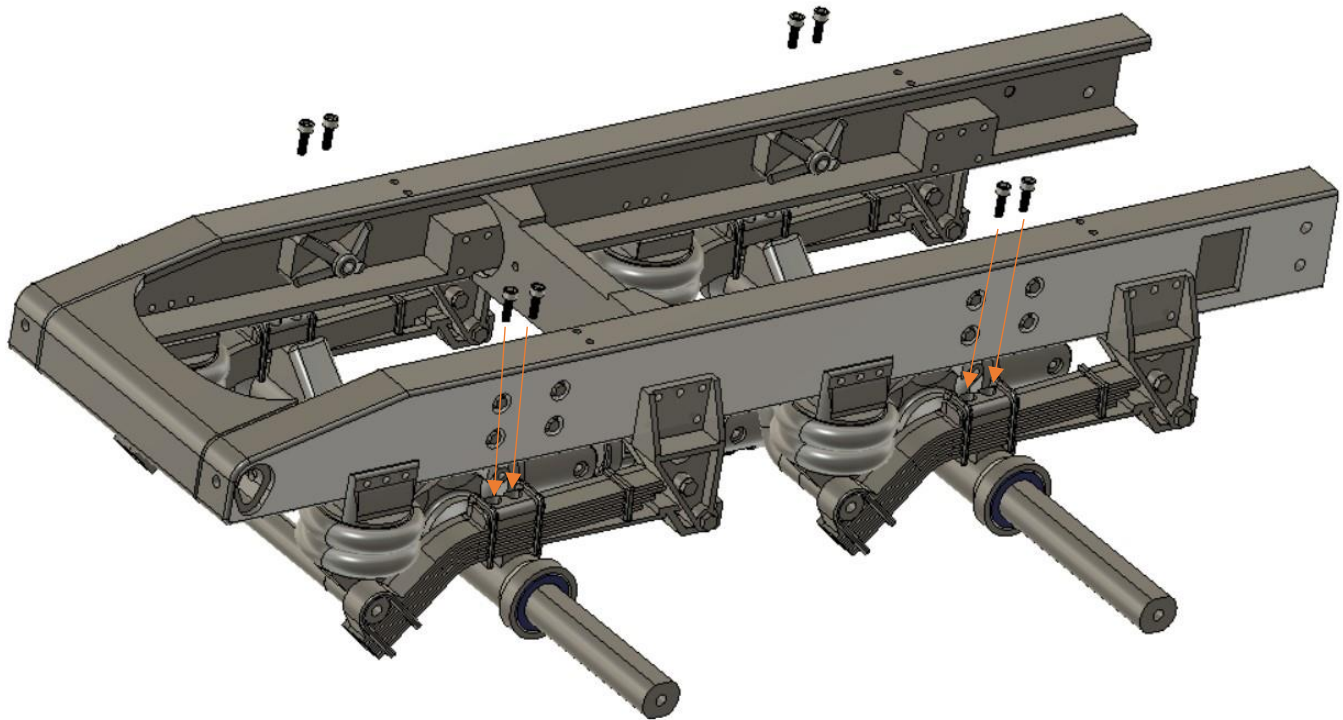
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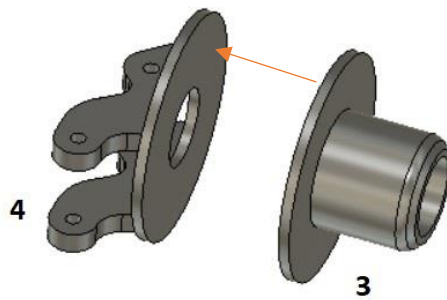
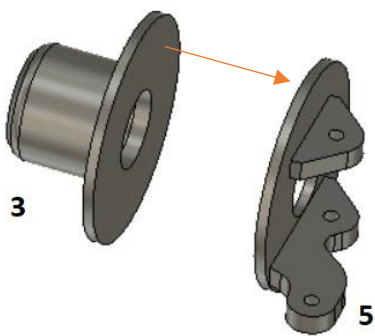
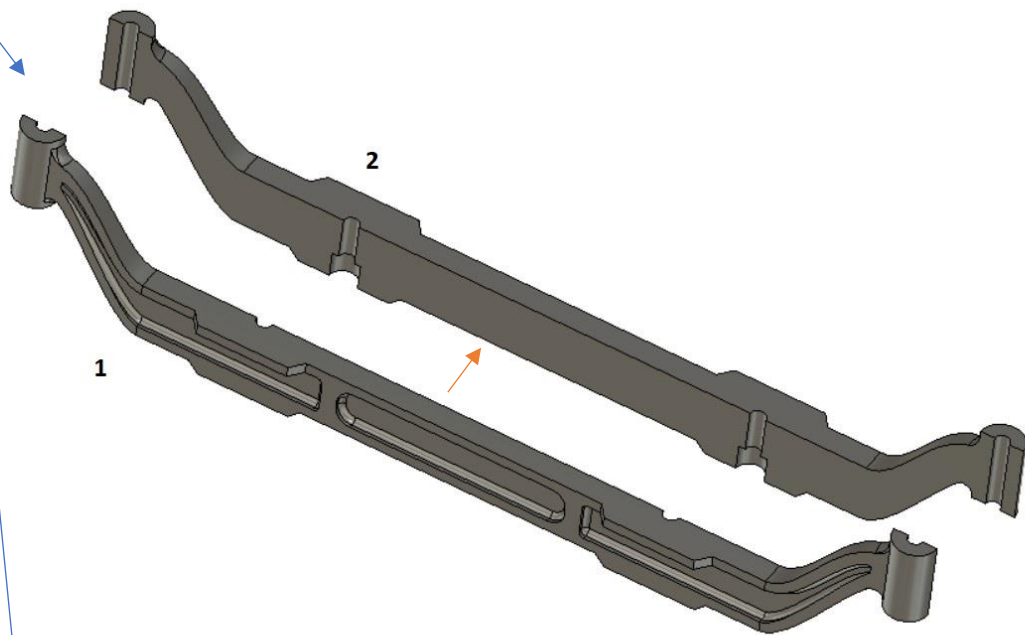
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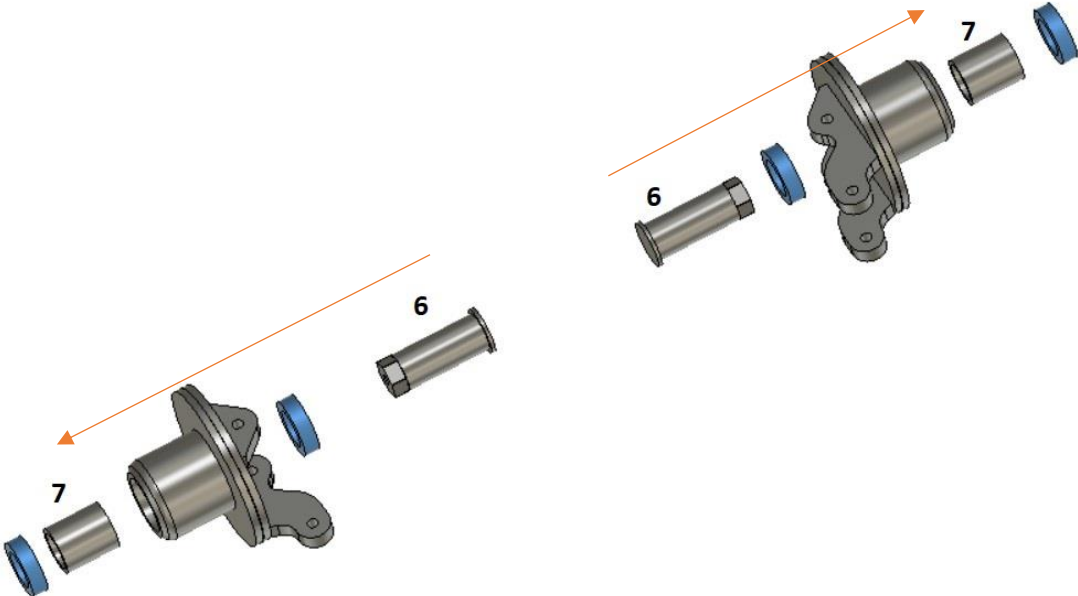
M2x10



Řízení

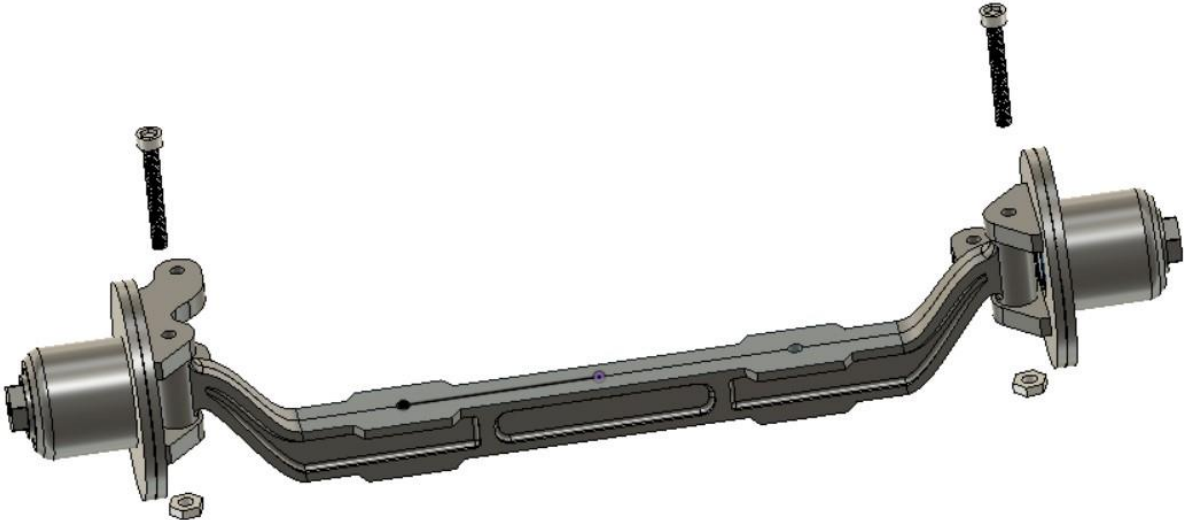


Ložiska 10x15x4

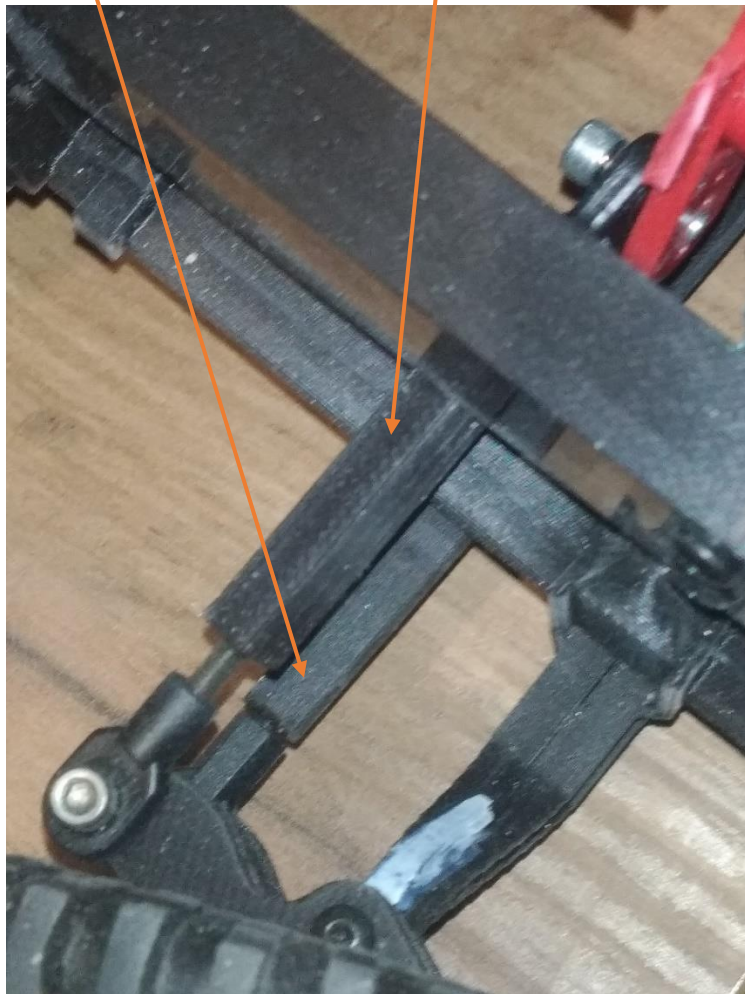
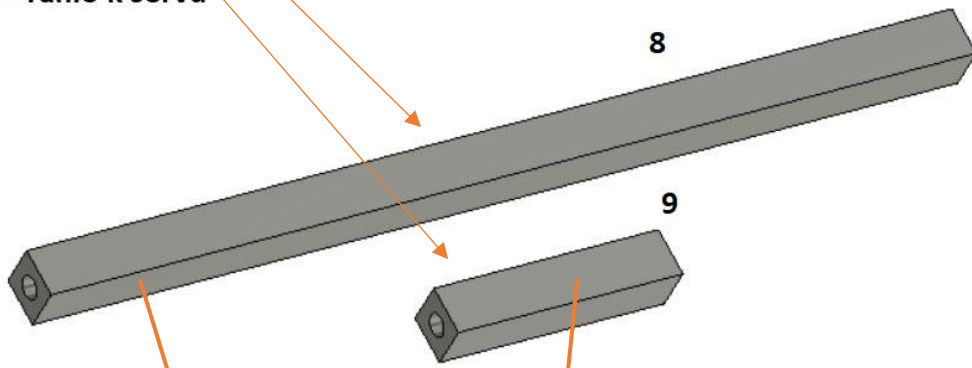


M3x30

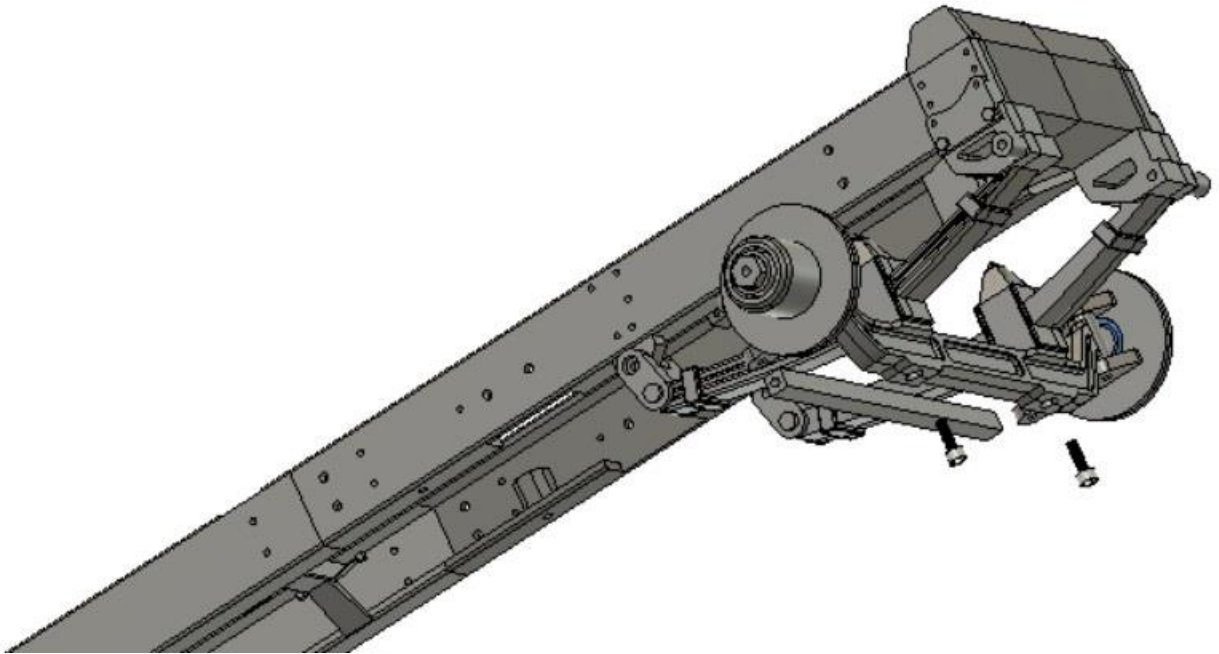
Matička M3



Táhlo ke kolům
Táhlo k servu



M3x16

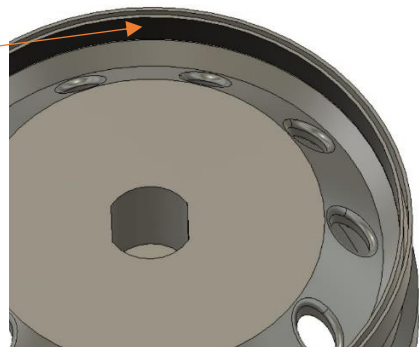


Kola

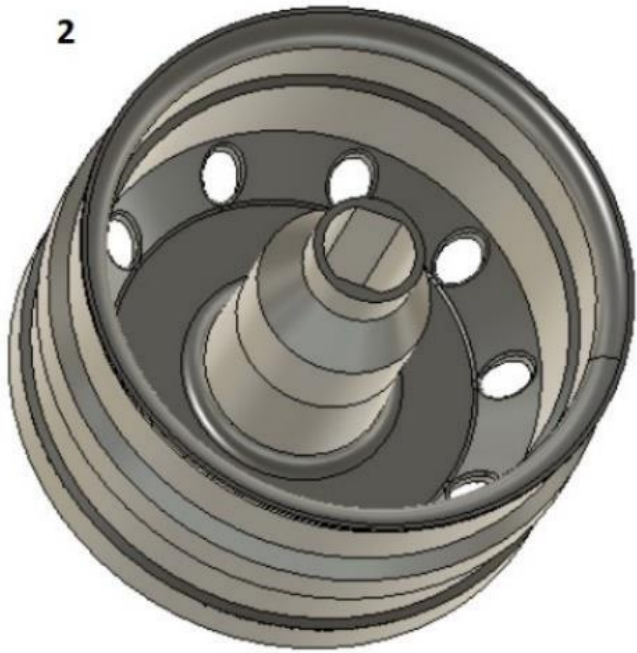
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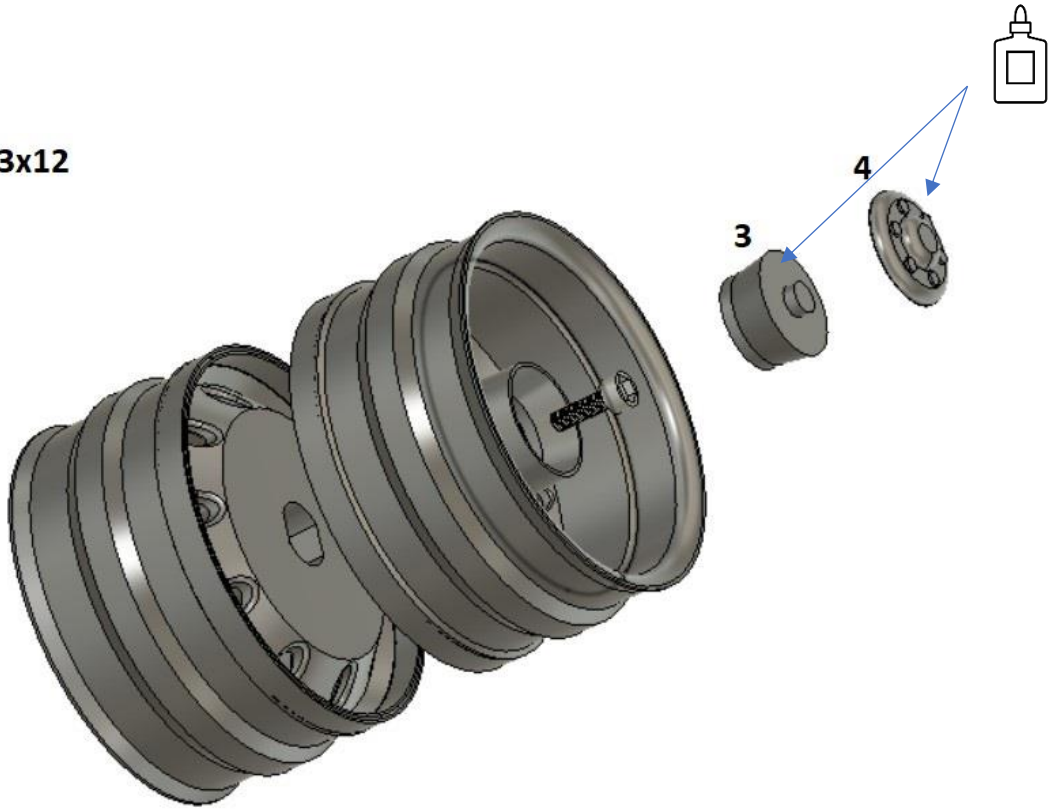
Podpora
Nutno odstranit

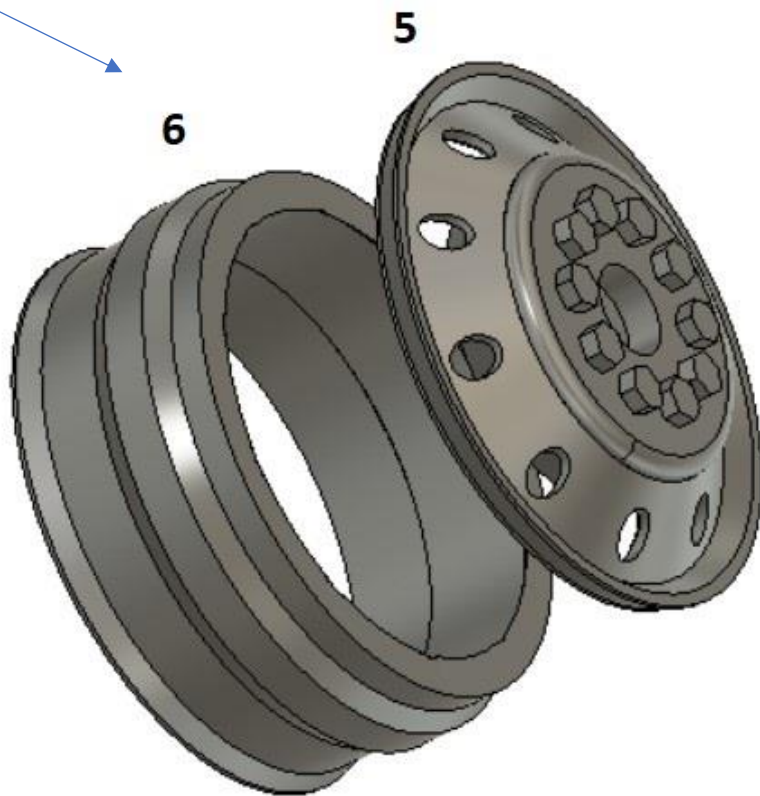
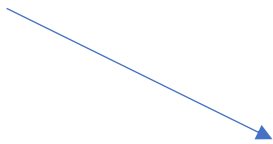
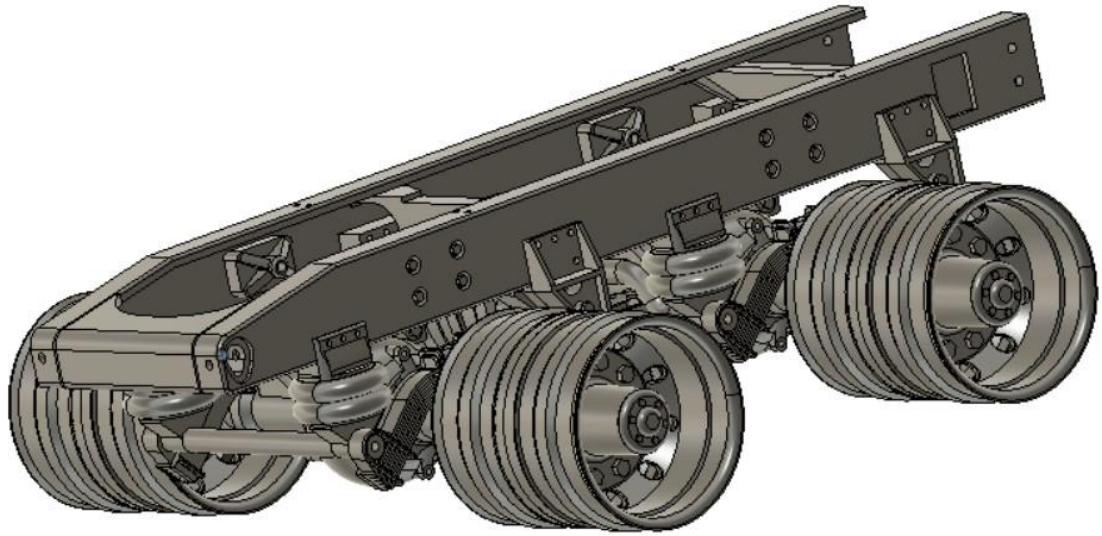


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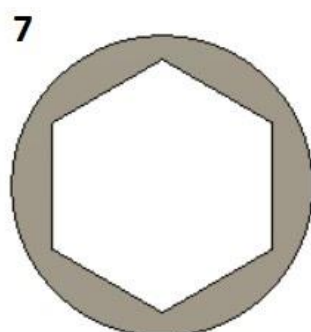


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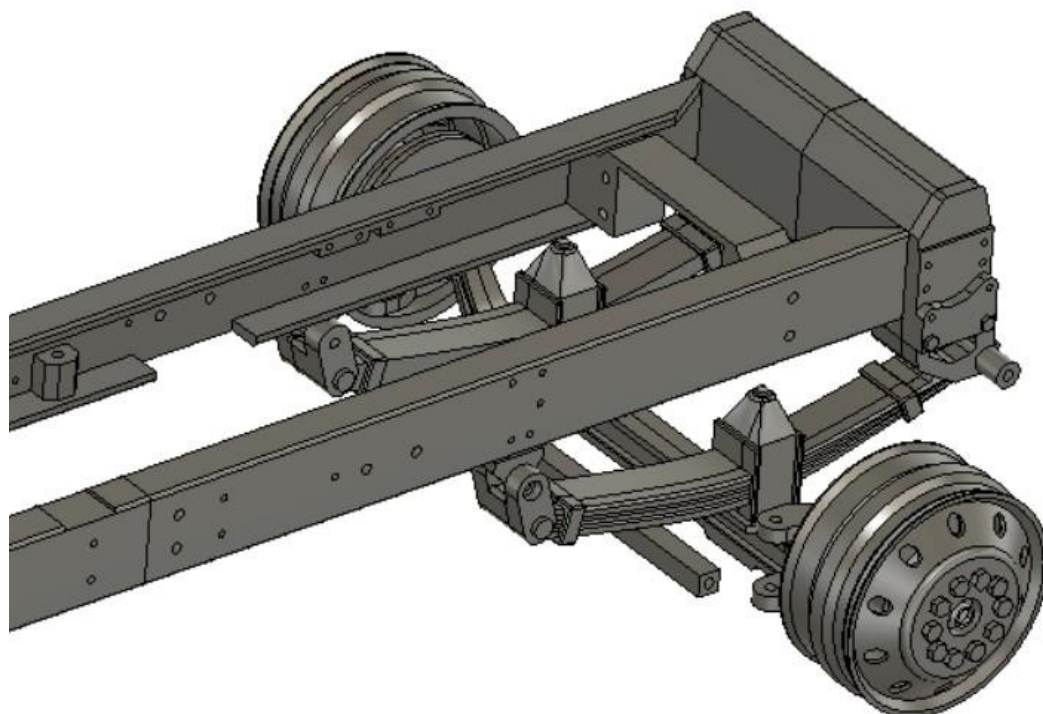




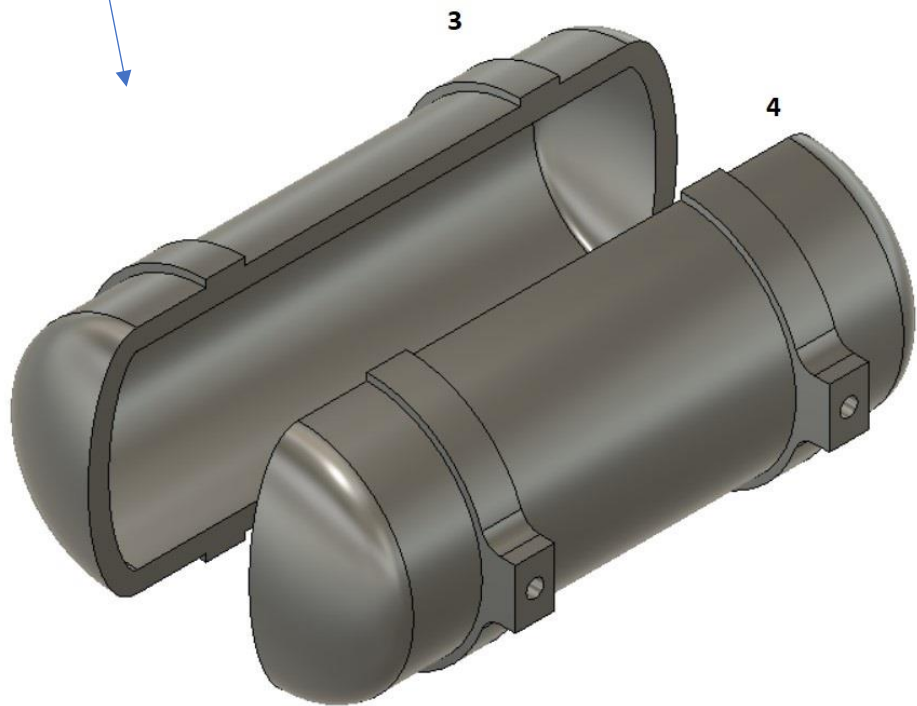
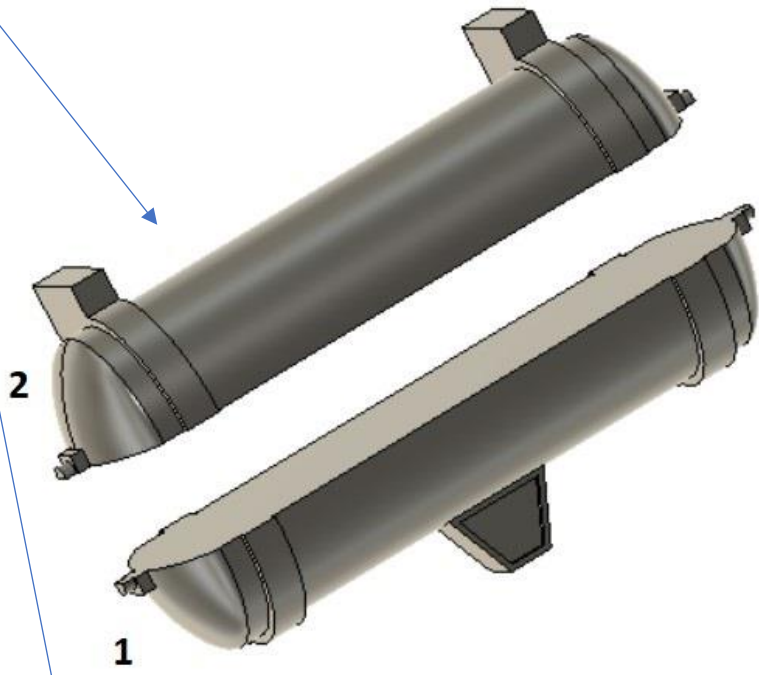
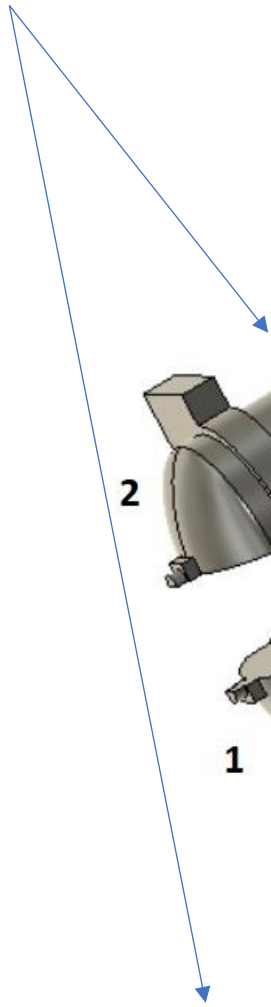
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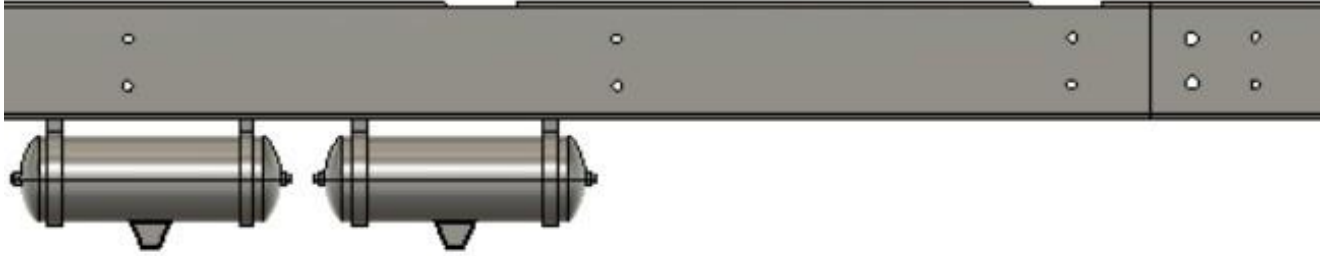


M3x10

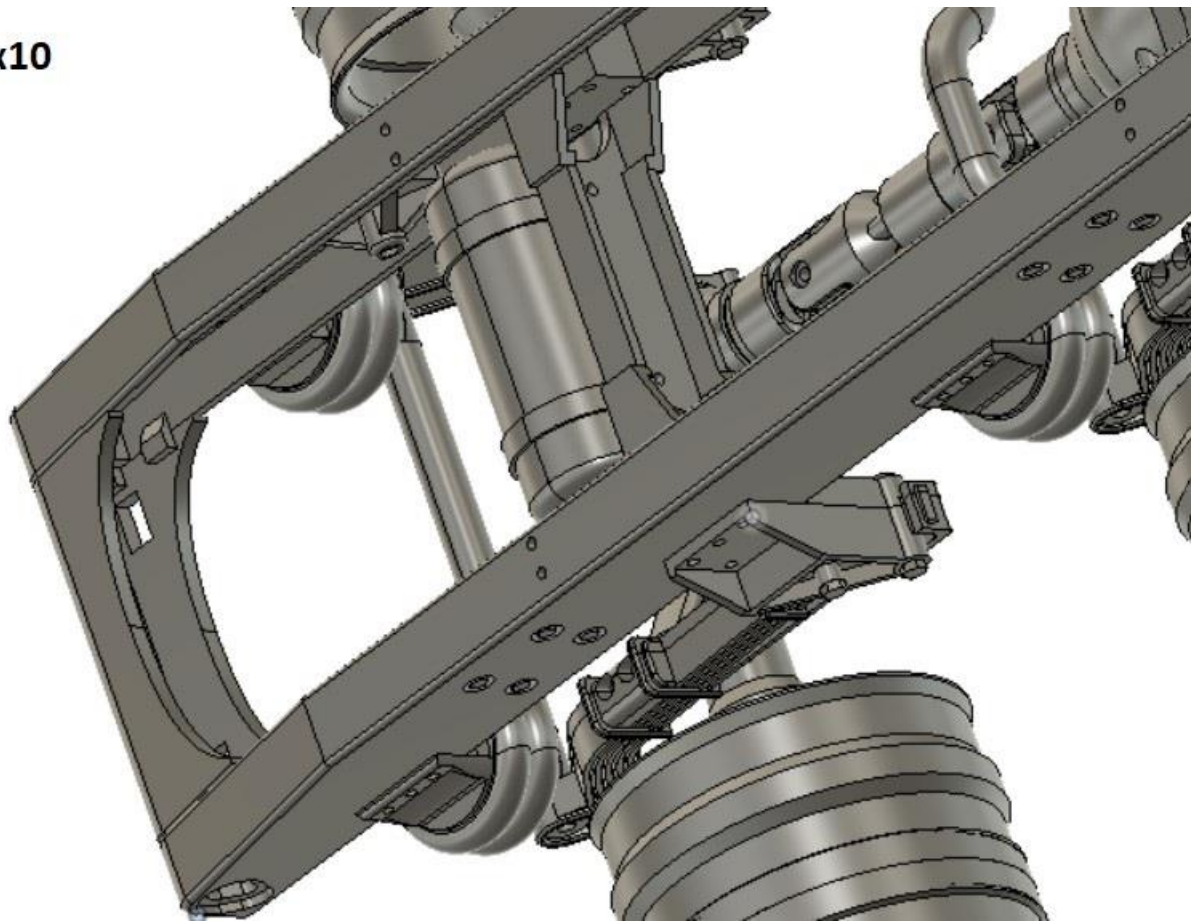


Doplňky



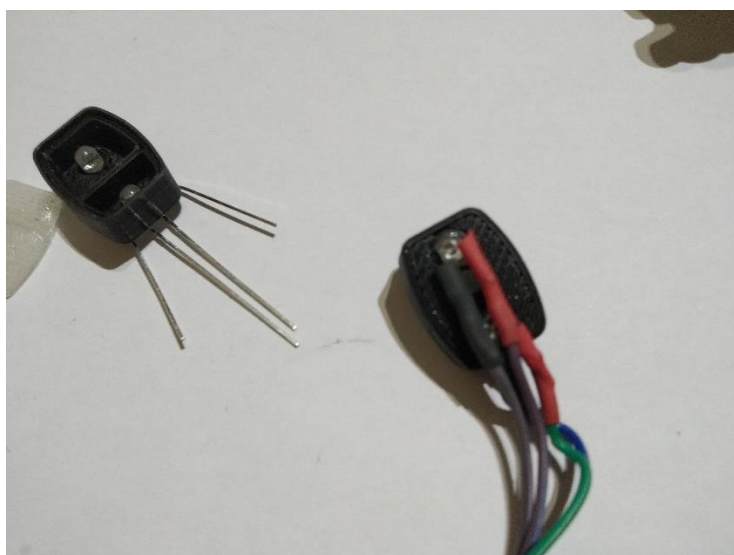
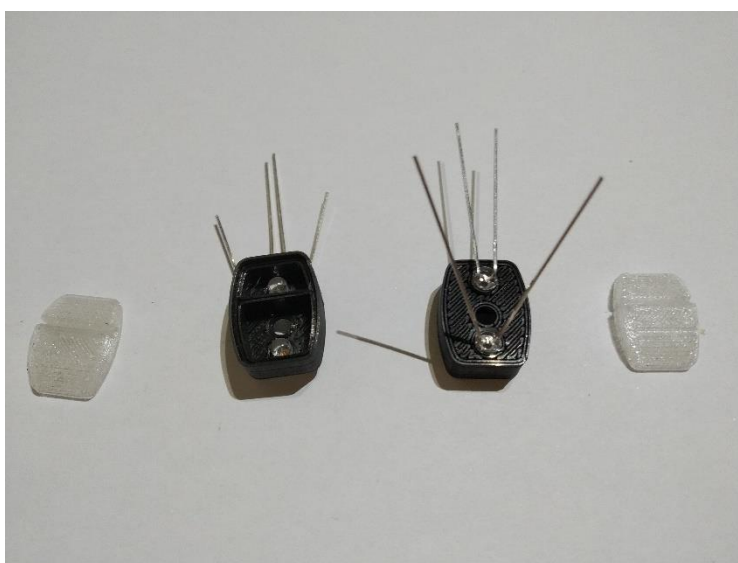
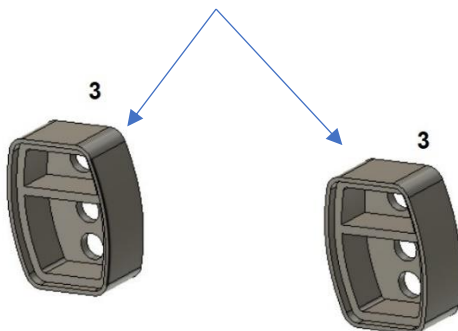


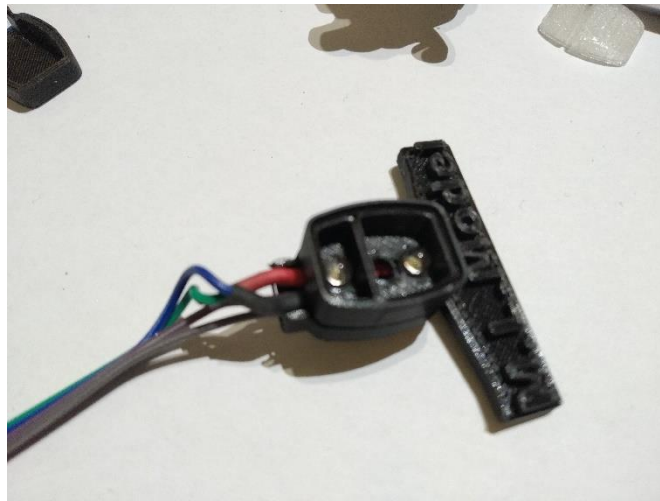
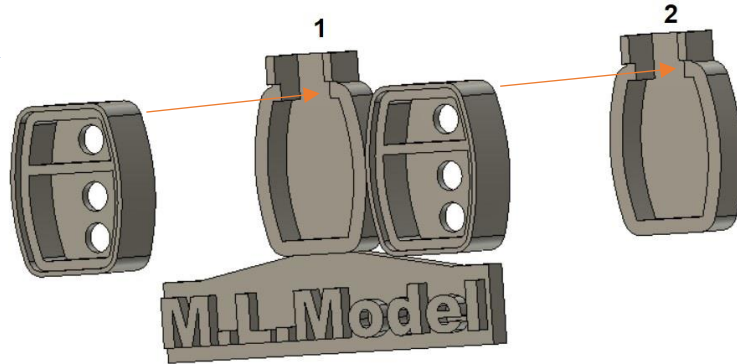
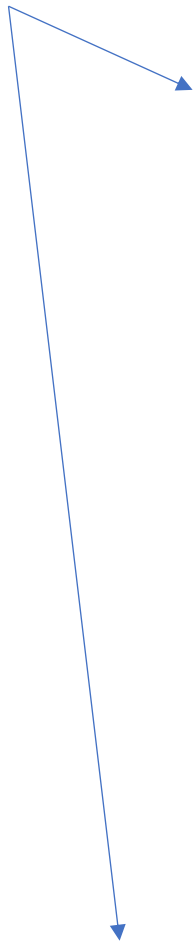
M2x10



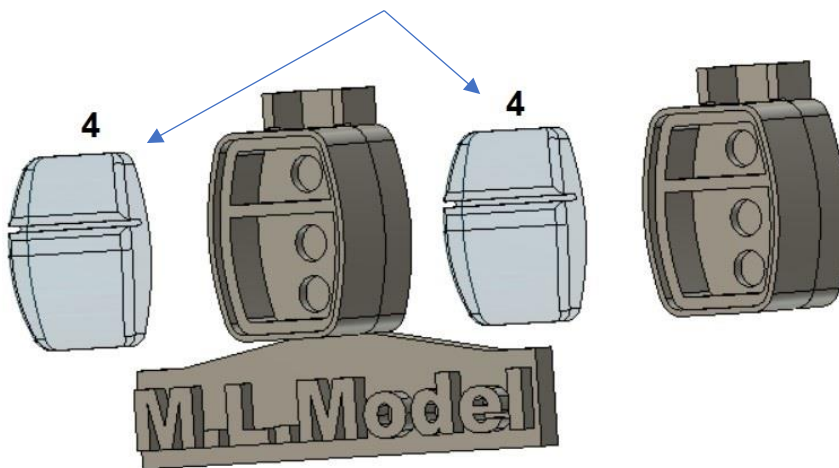
Zadní světla

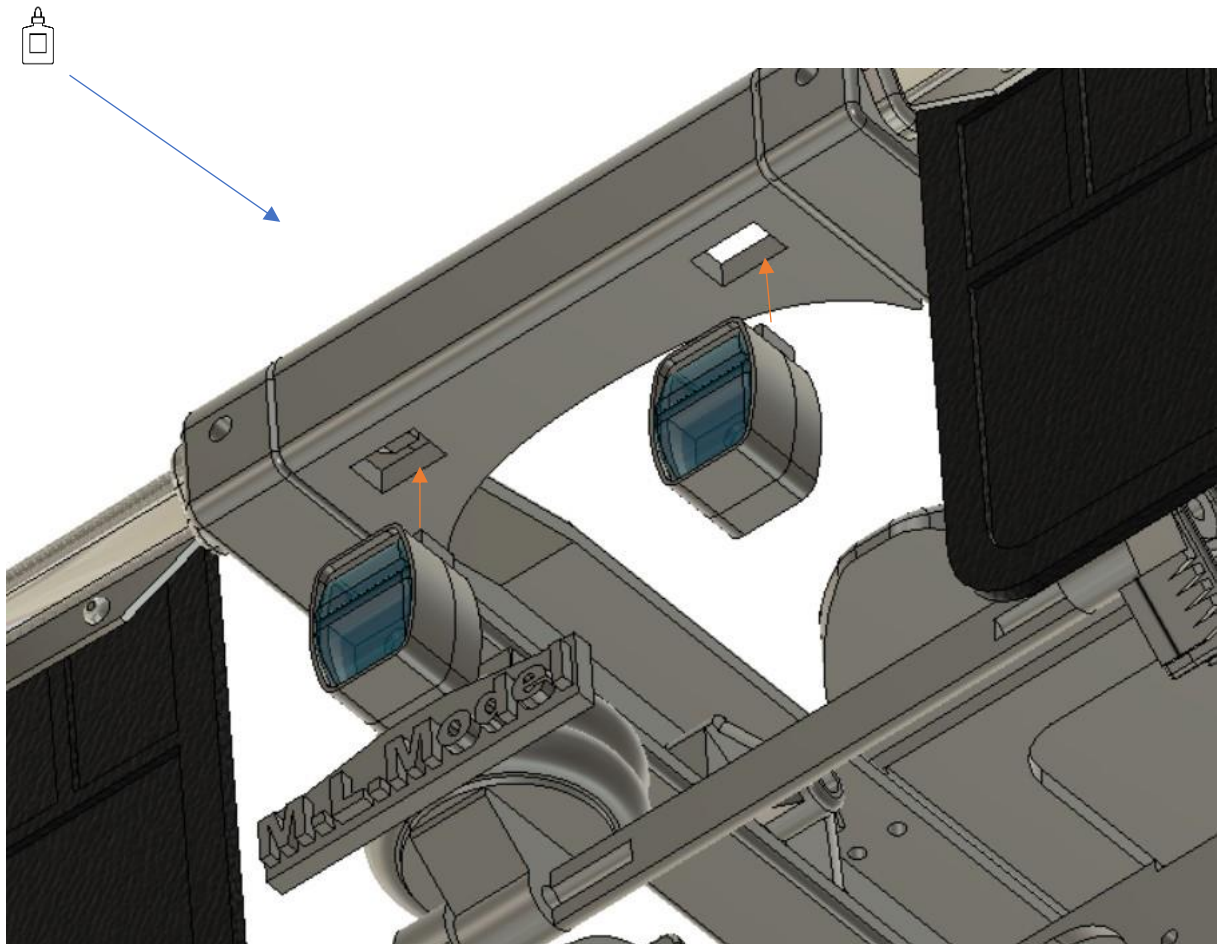
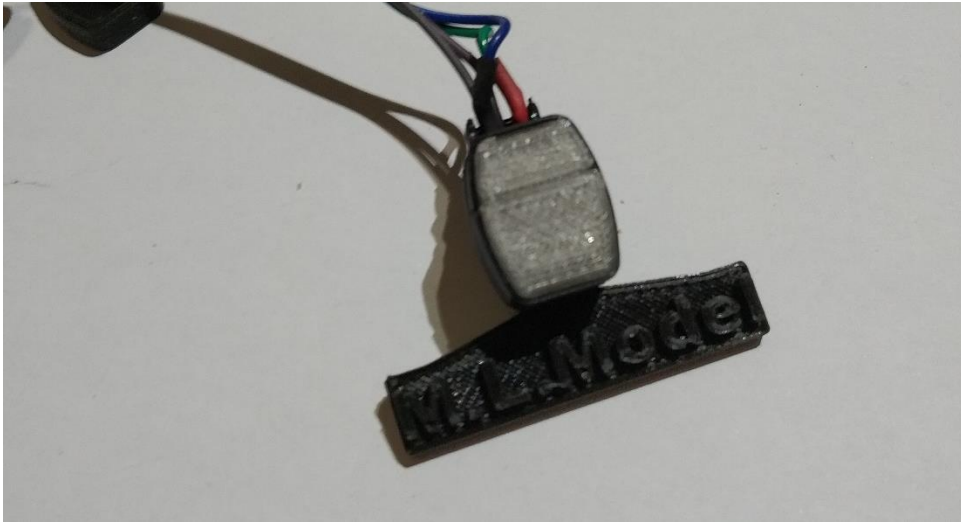
Do dílů 3 vložte LED 3mm podle vlastního uvážení.





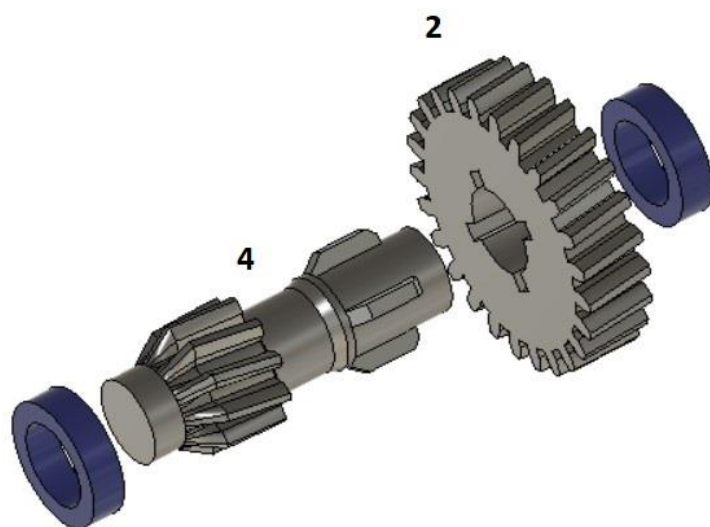
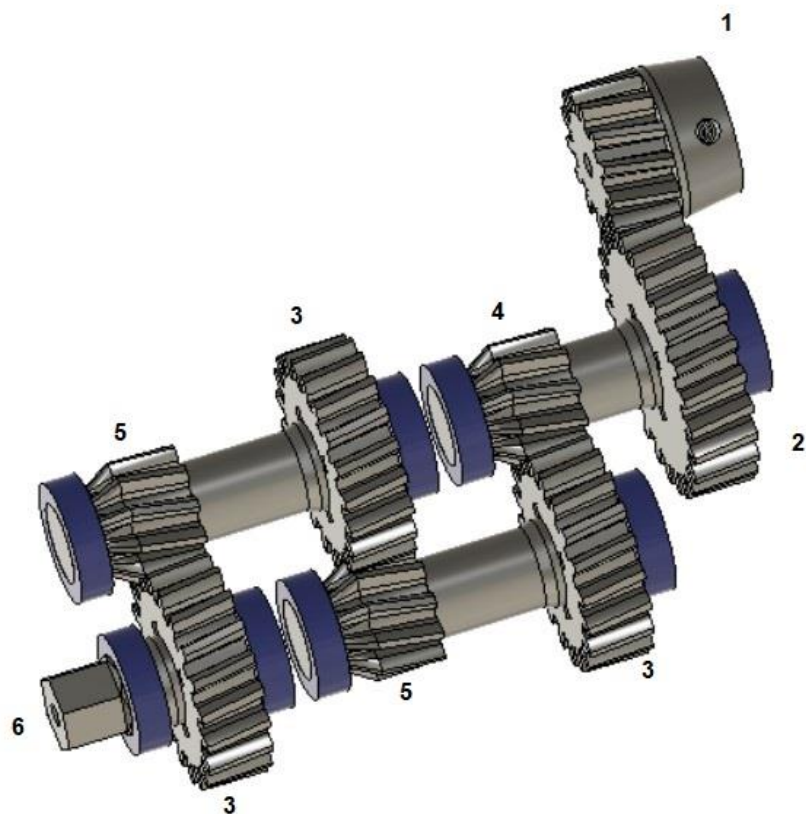
Clear



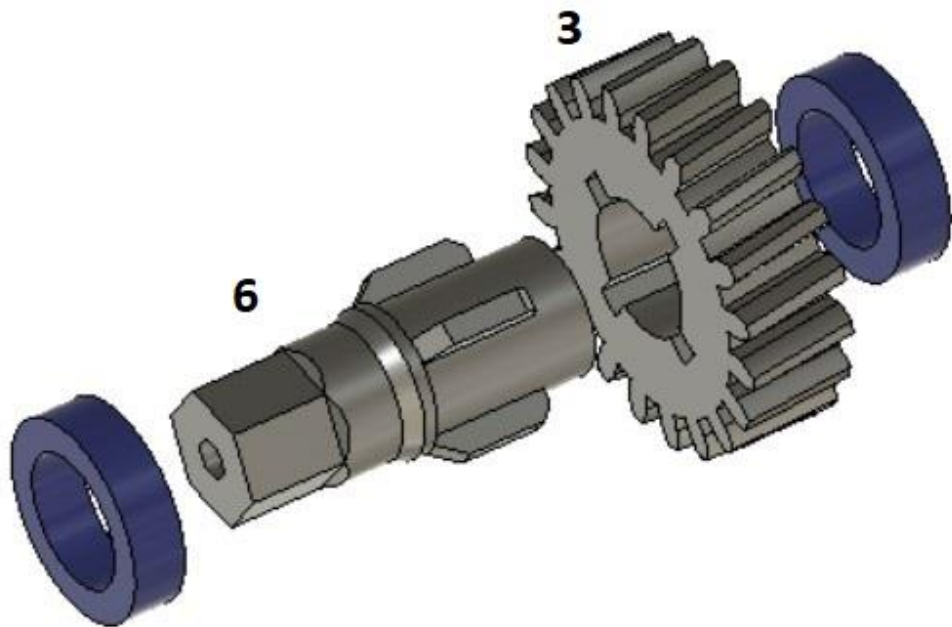
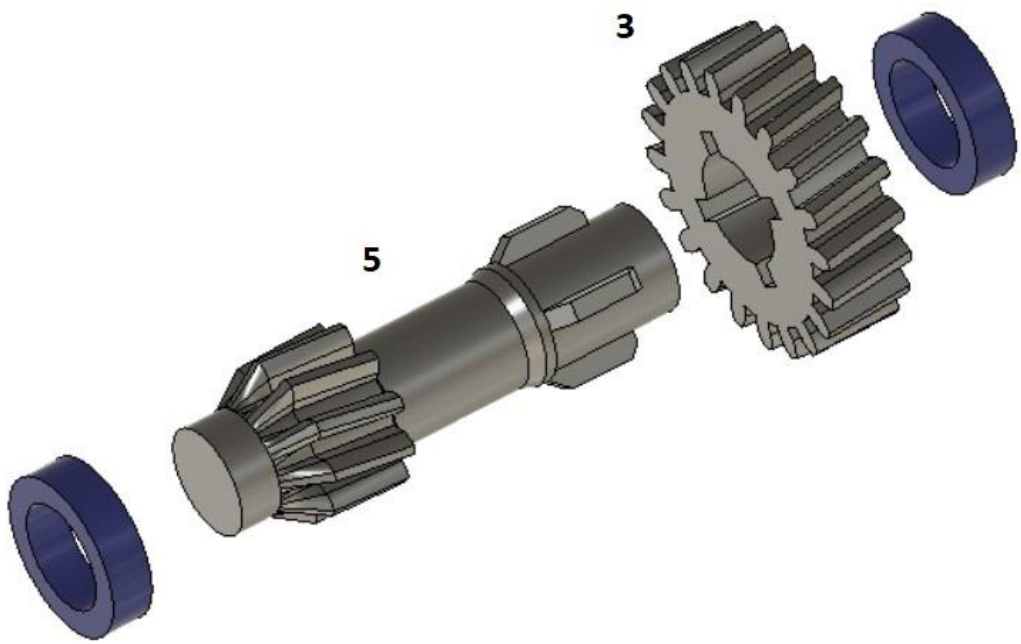


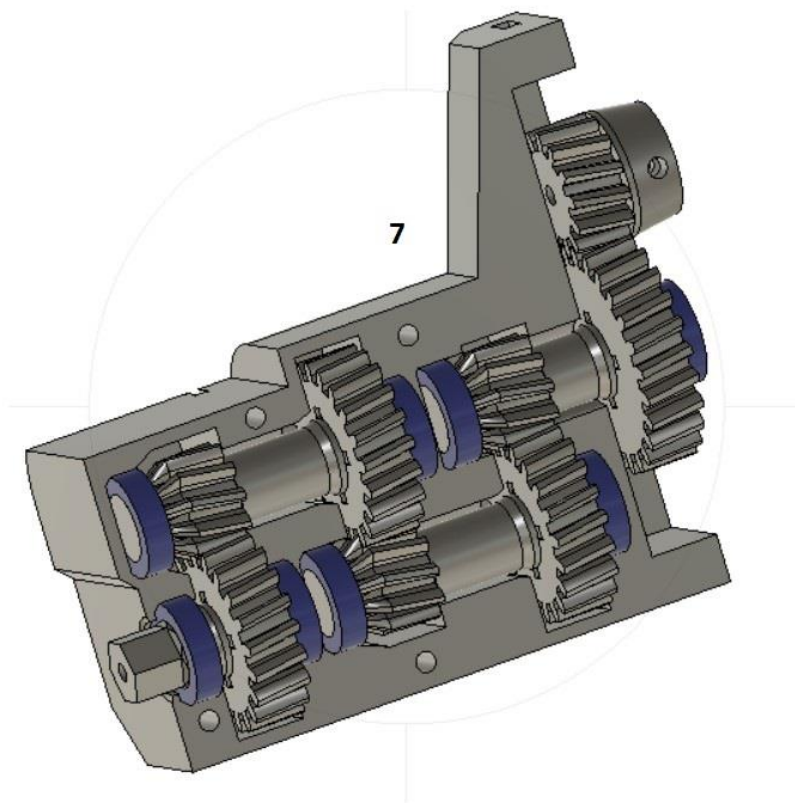
Převodovka

Ložiska 10x15x4



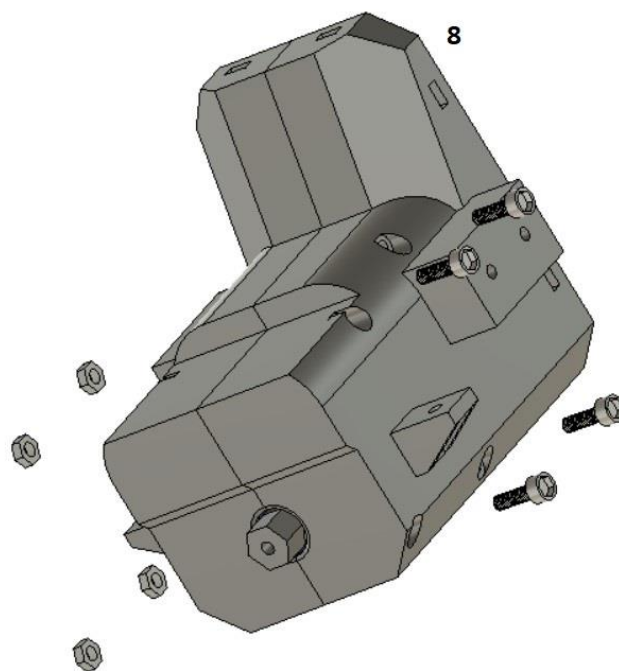
2x





M3x45

Matičky M3

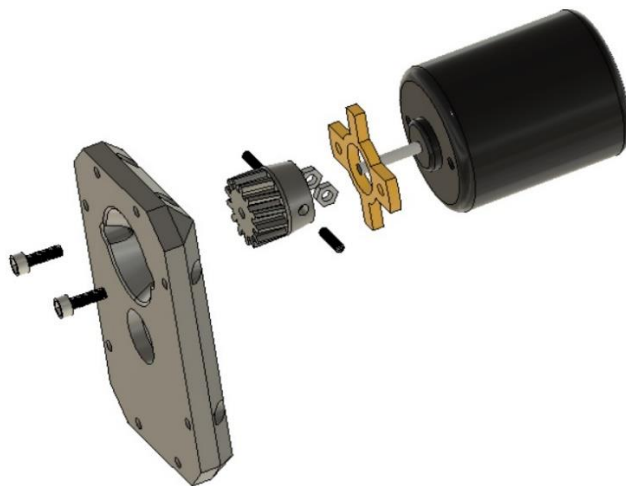


Díl 10 doporučuji vytisknout z teplotně odolného materiálu jako třeba ABS, CPE HG100 a podobné.

M3x10

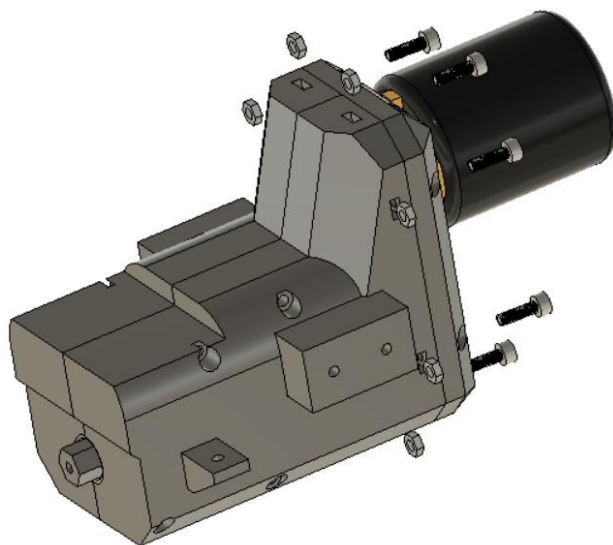
Červík M3x6

Matičky M3

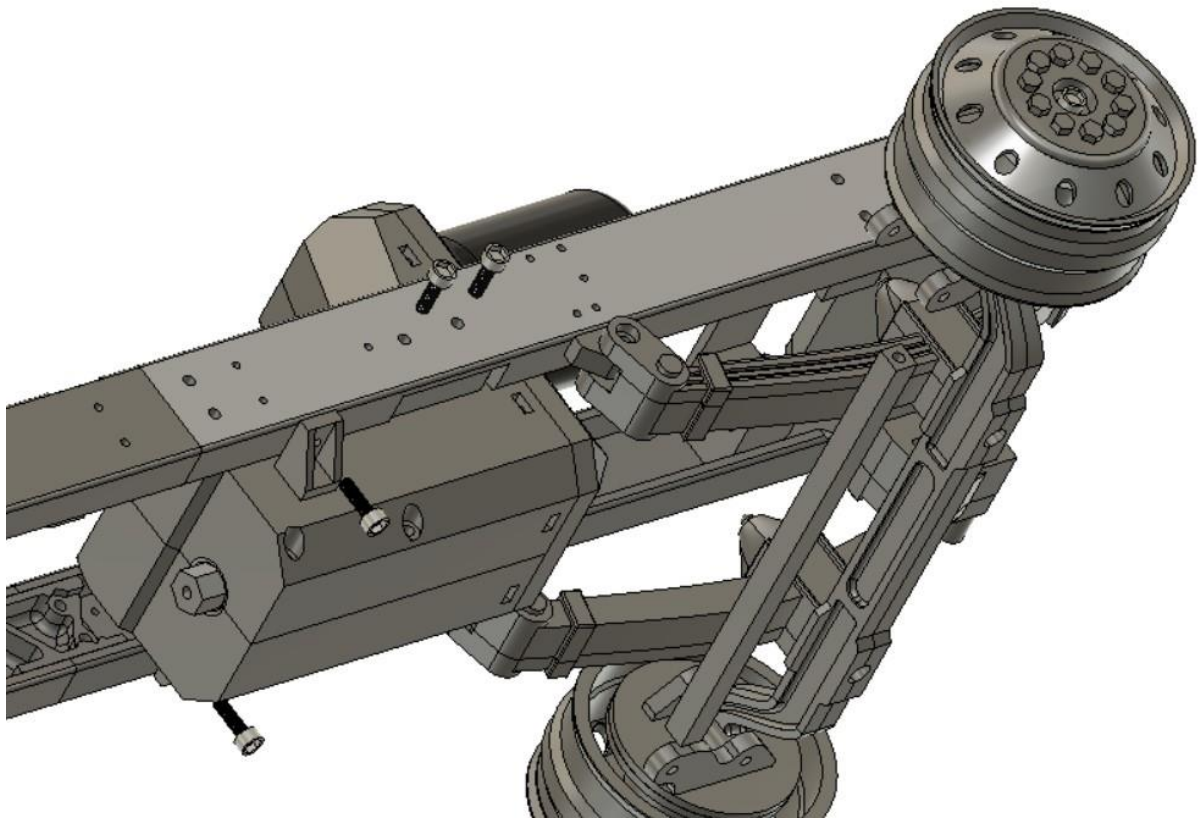


M3x14

Matičky M3

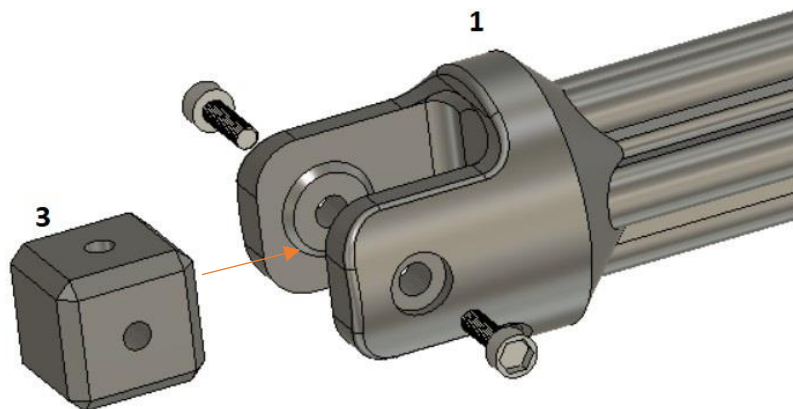


M3x10

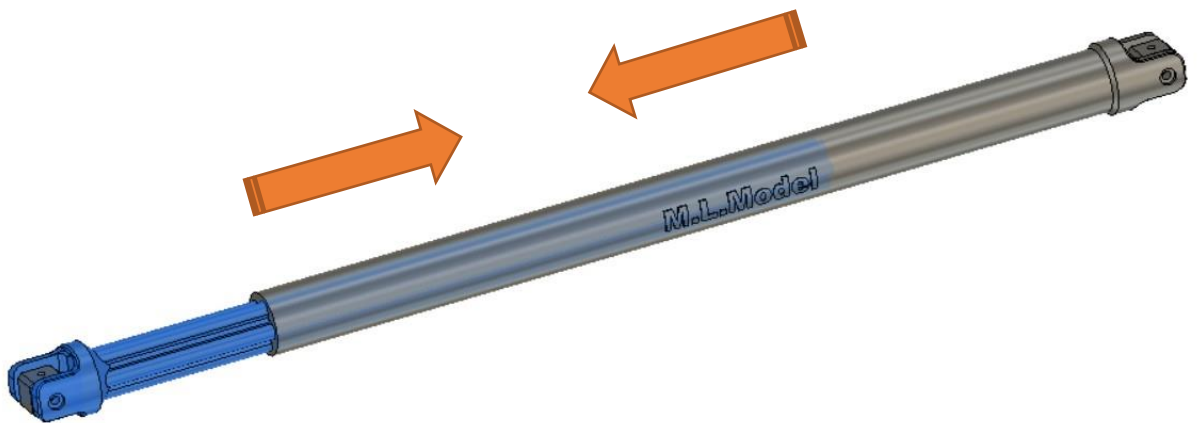
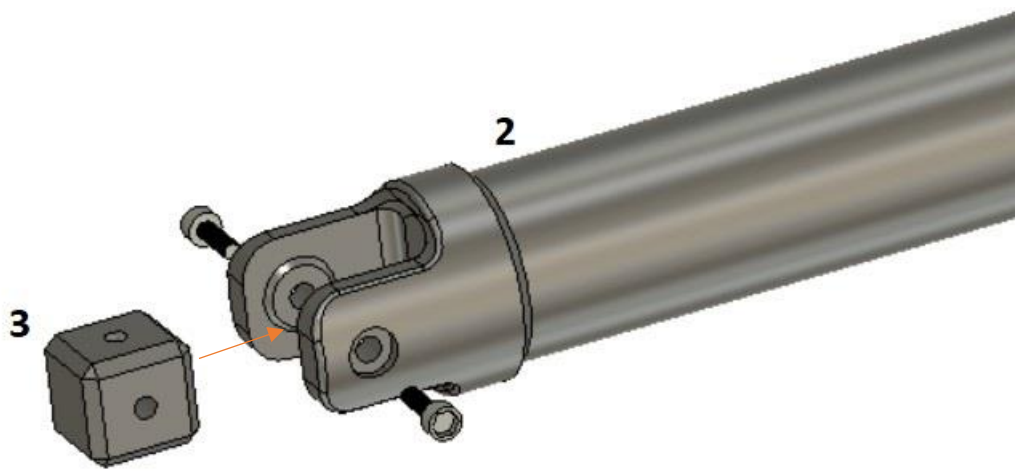


Kardan

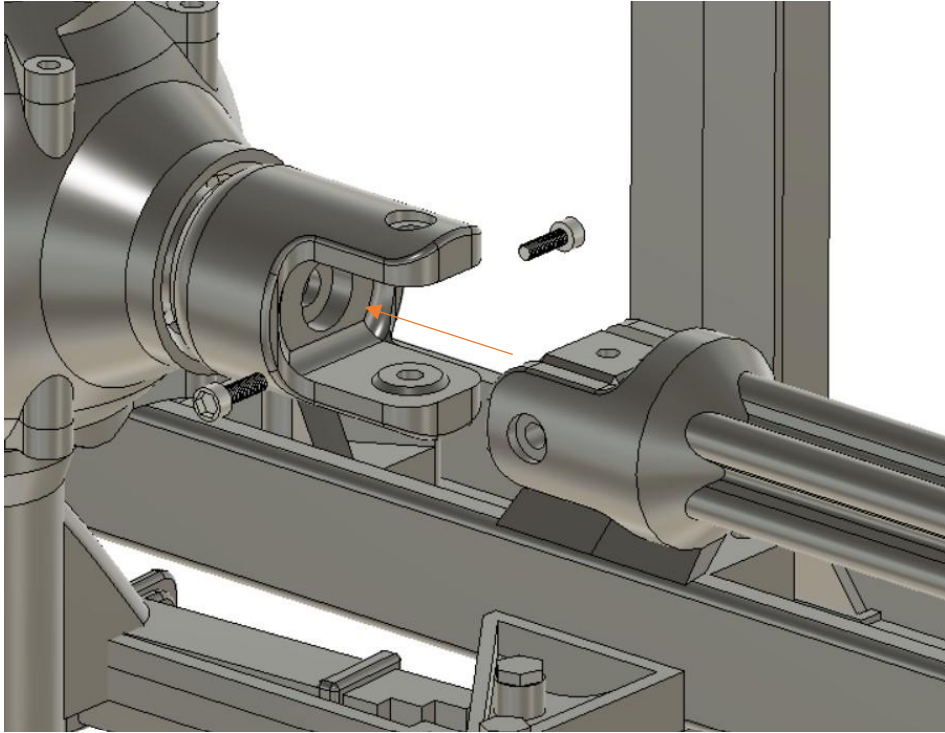
M2x5



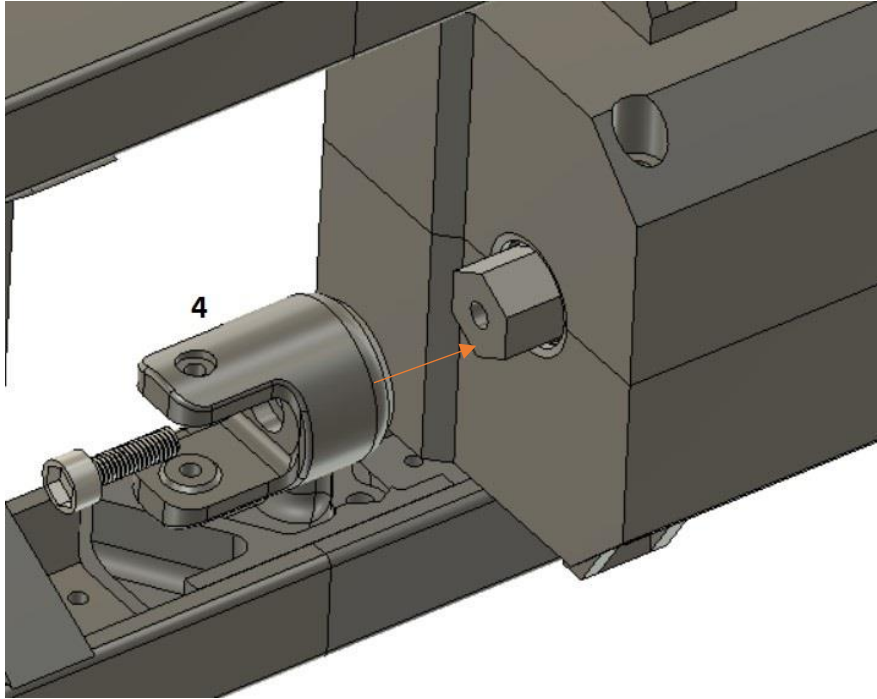
M2x5



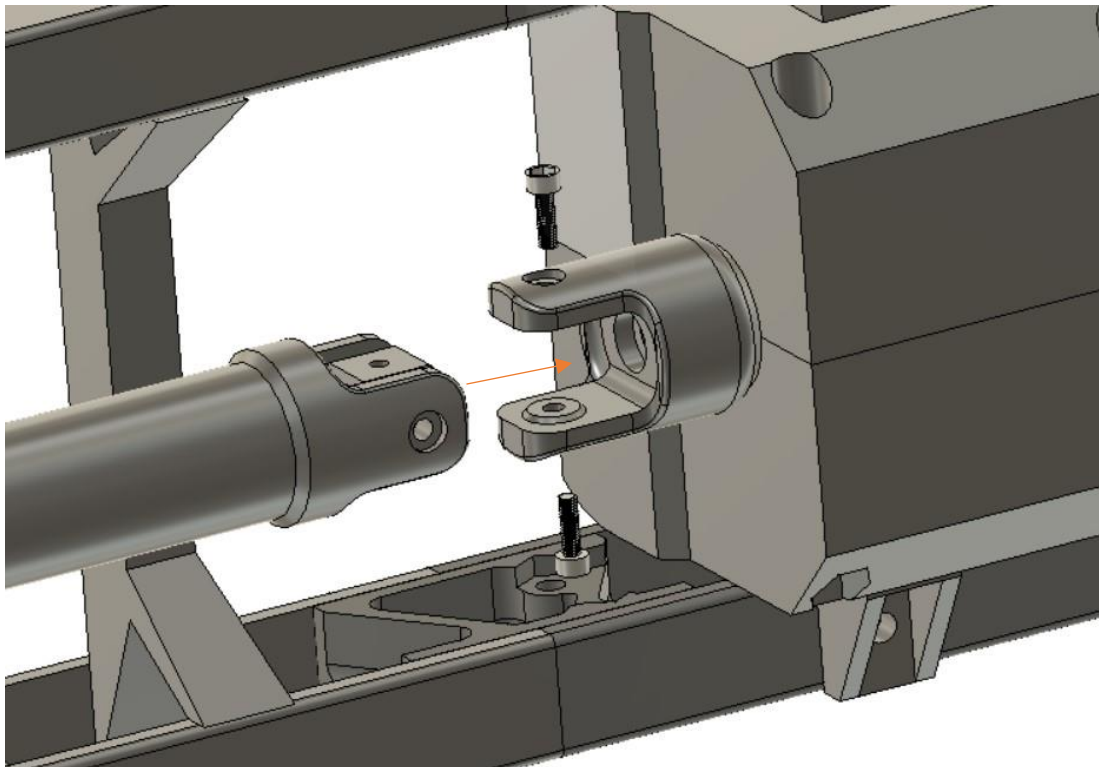
M2x5

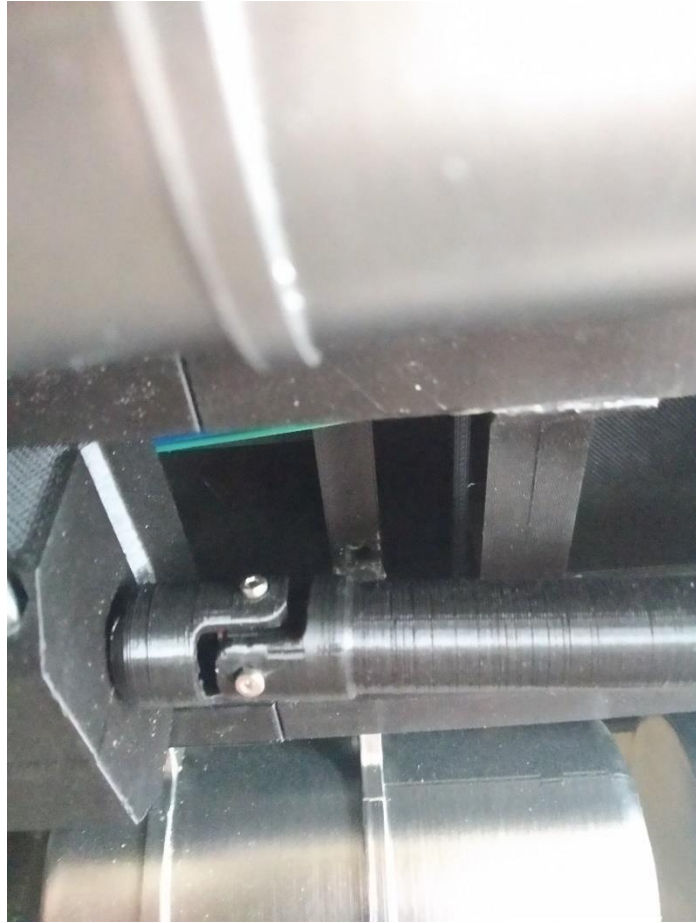


M3x8

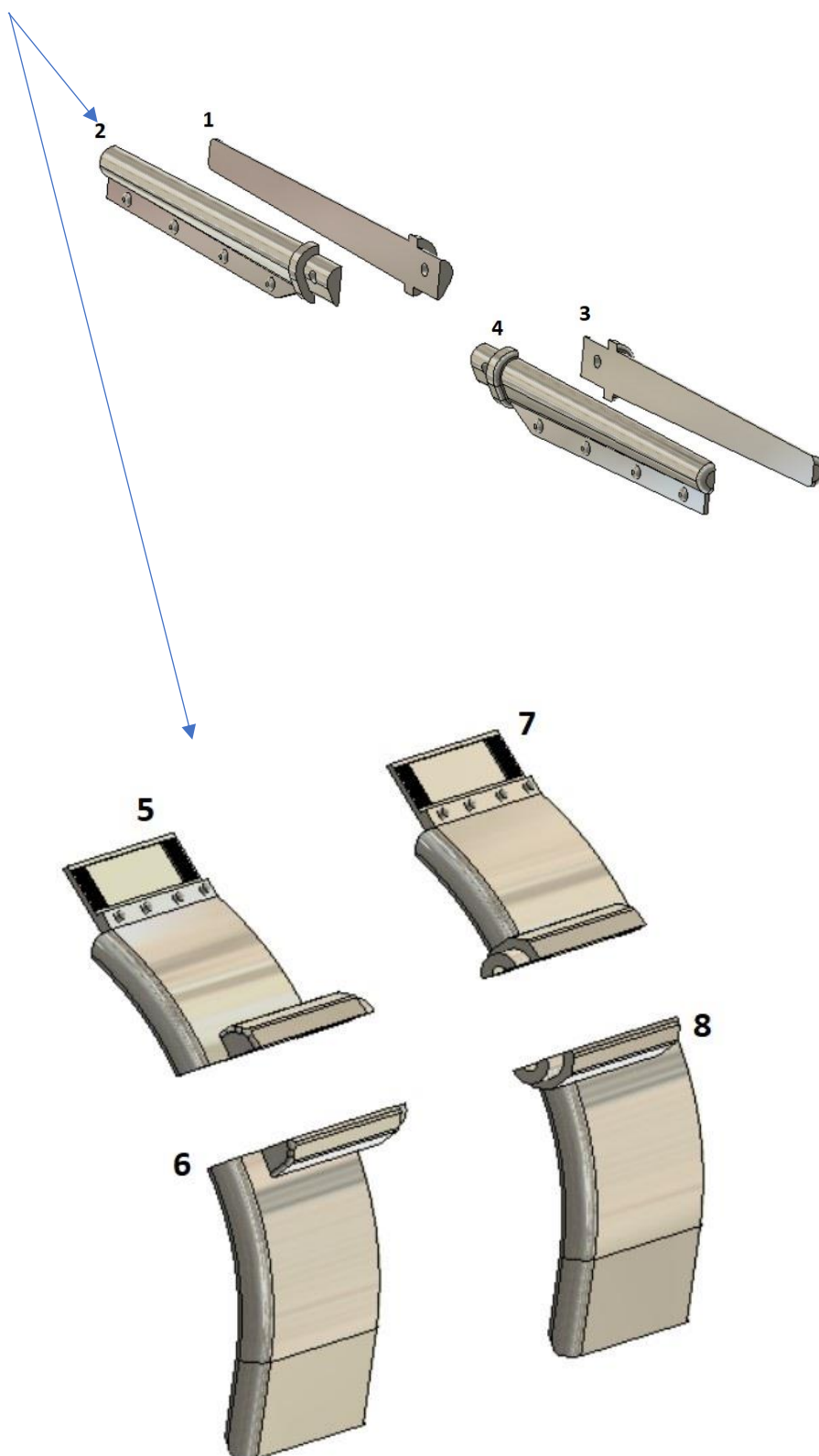


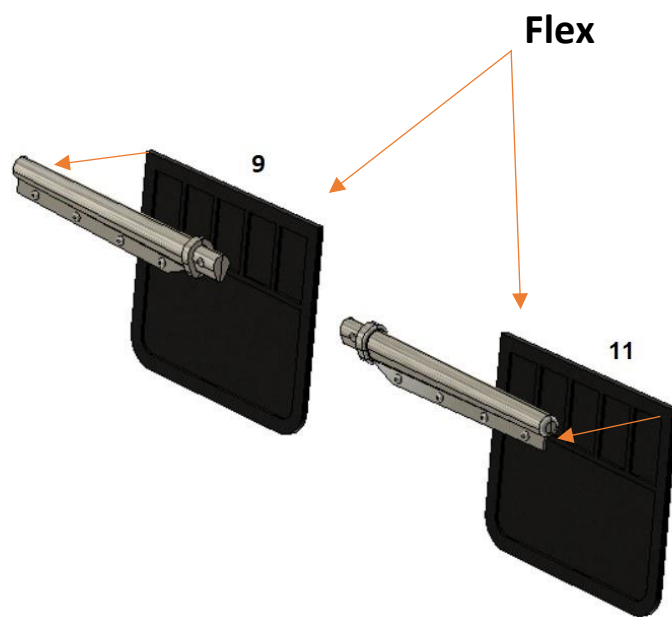
M2x5



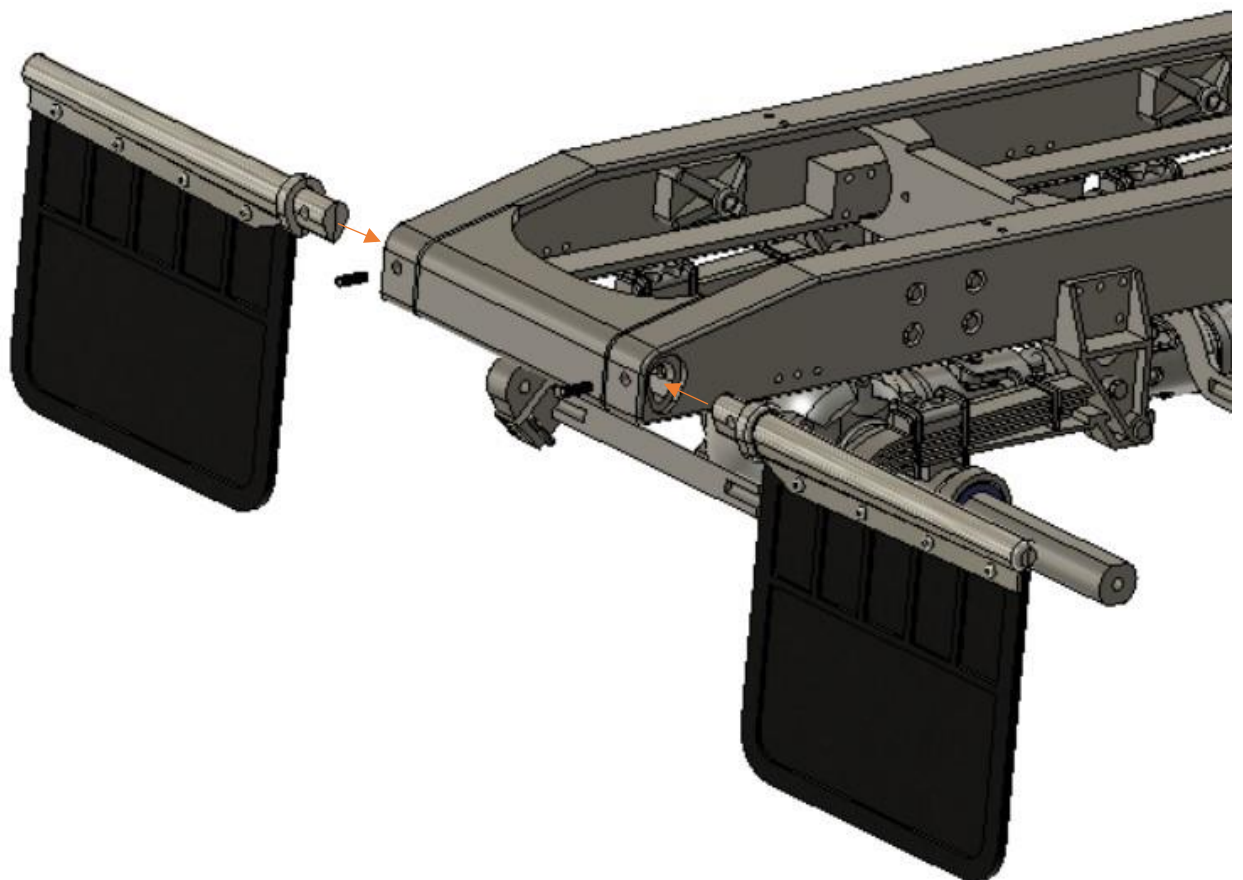


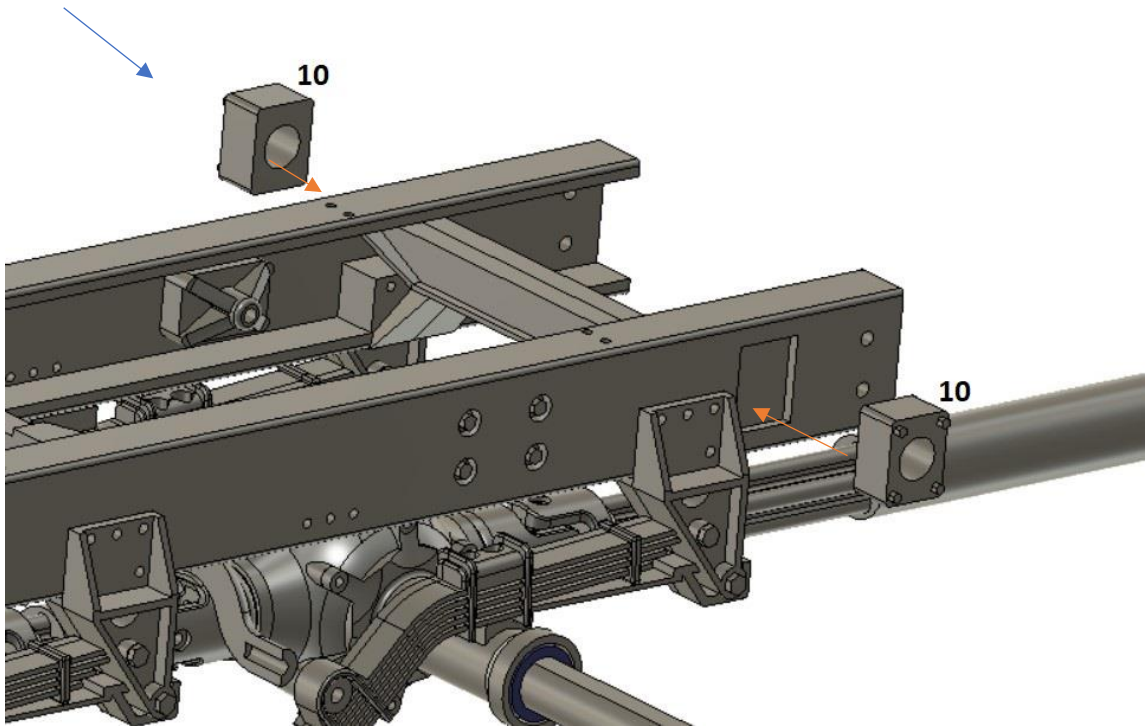
Blatníky





Červík M3x10

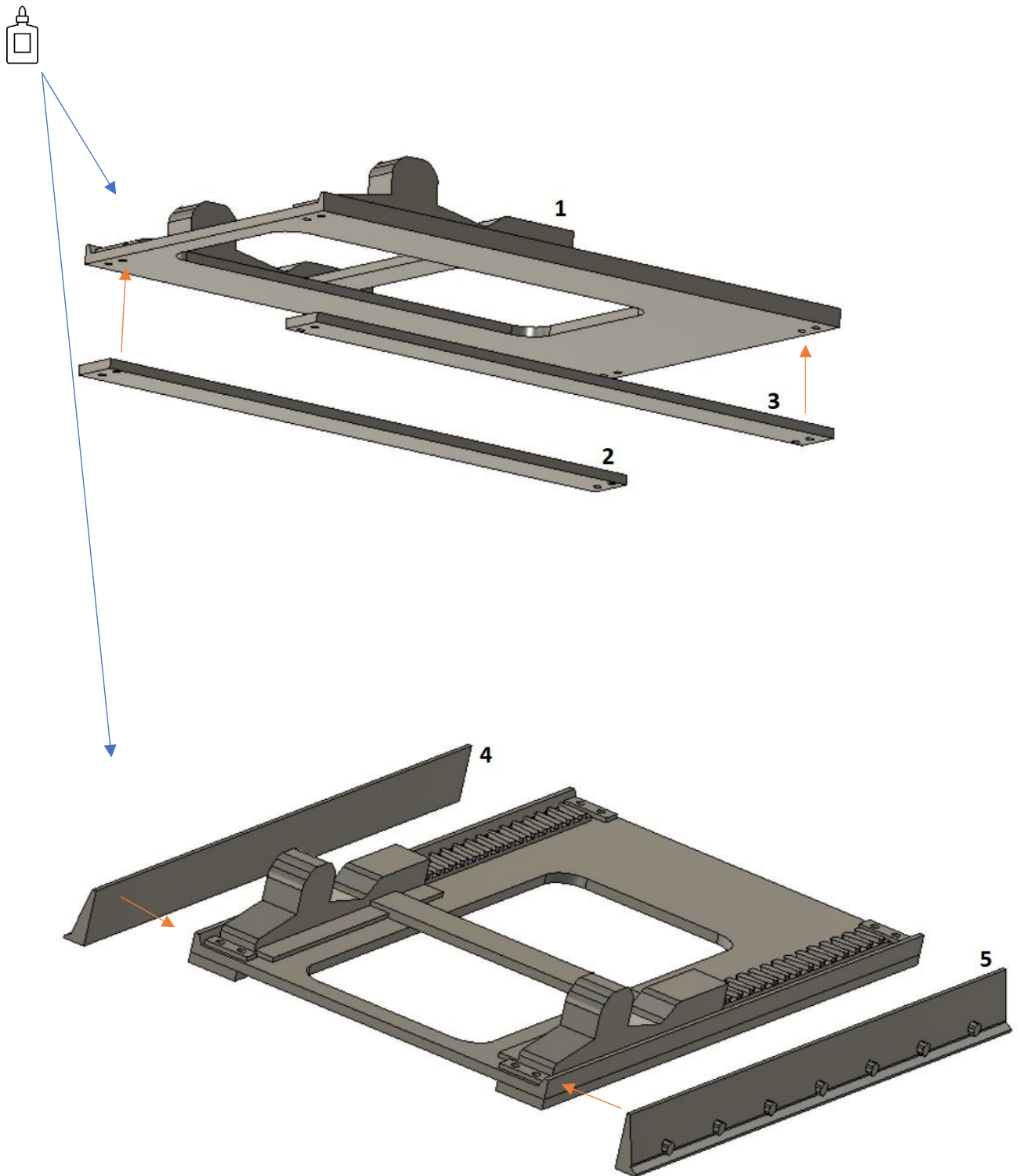


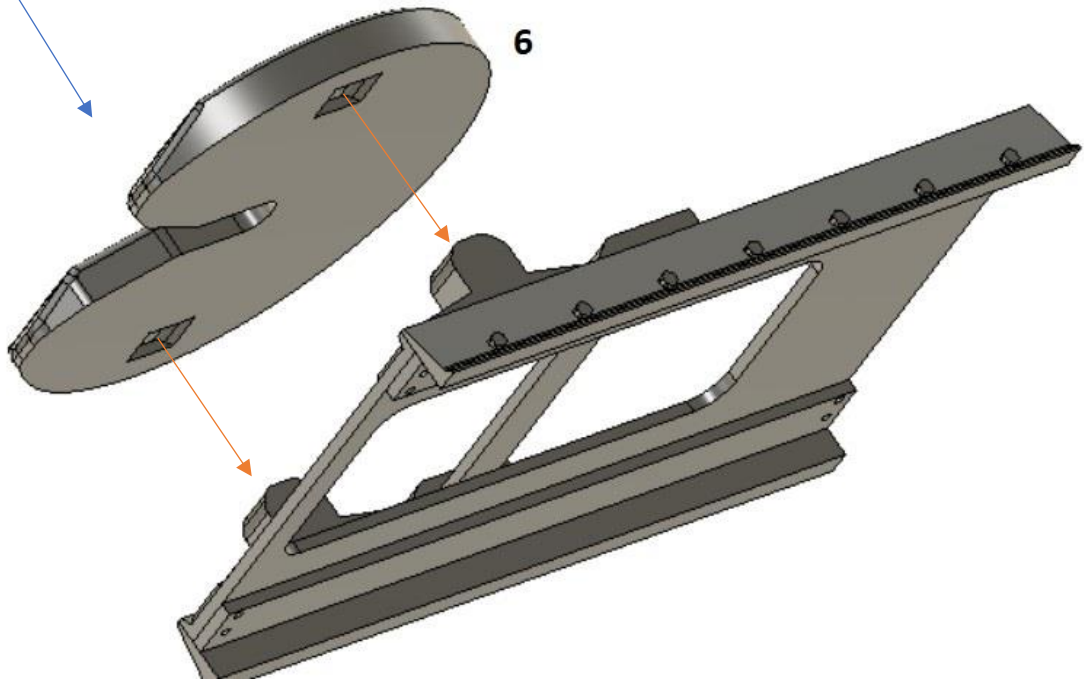
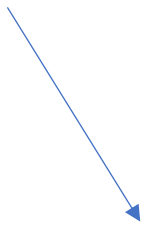
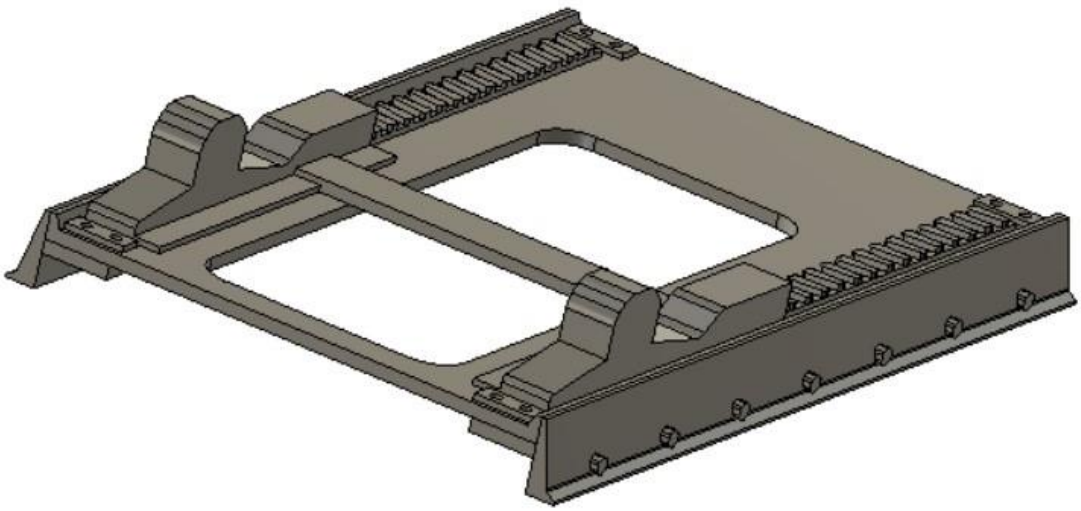


M3x10

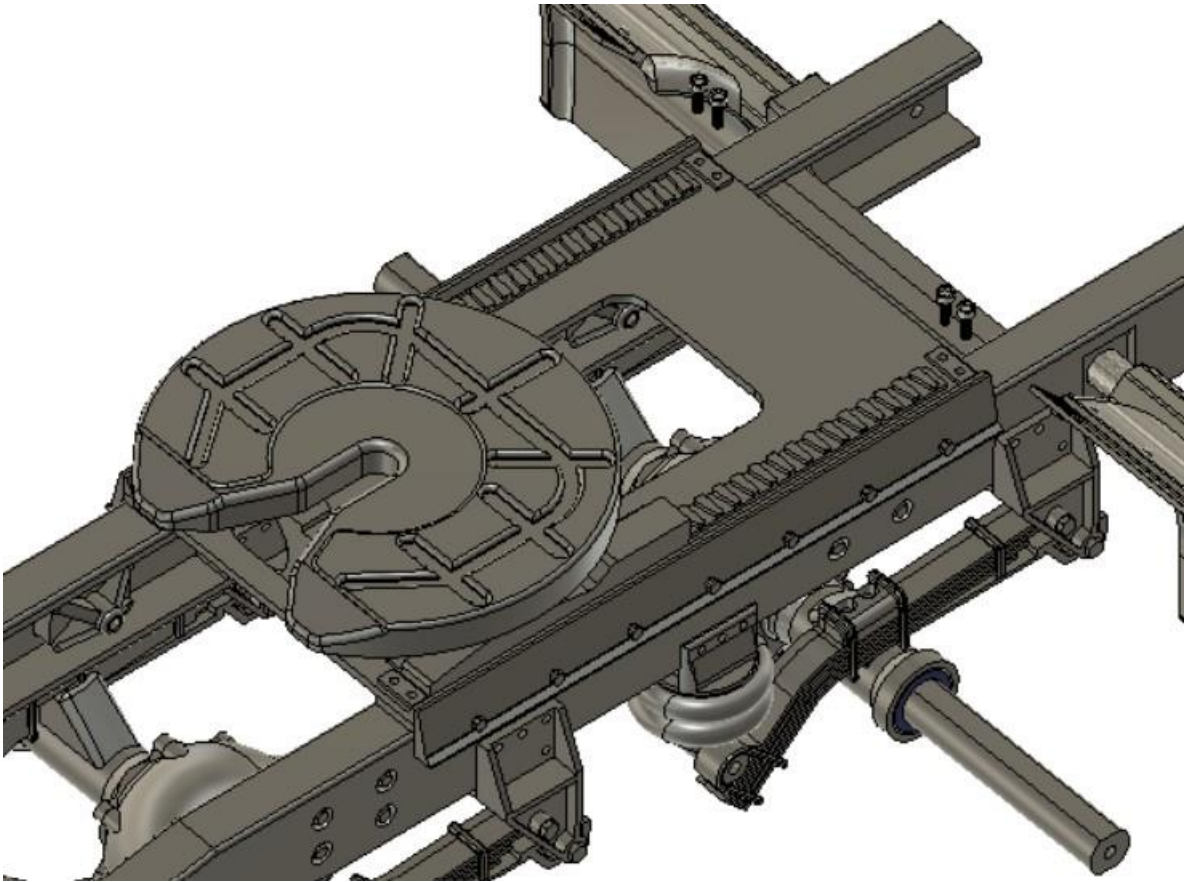


Točna

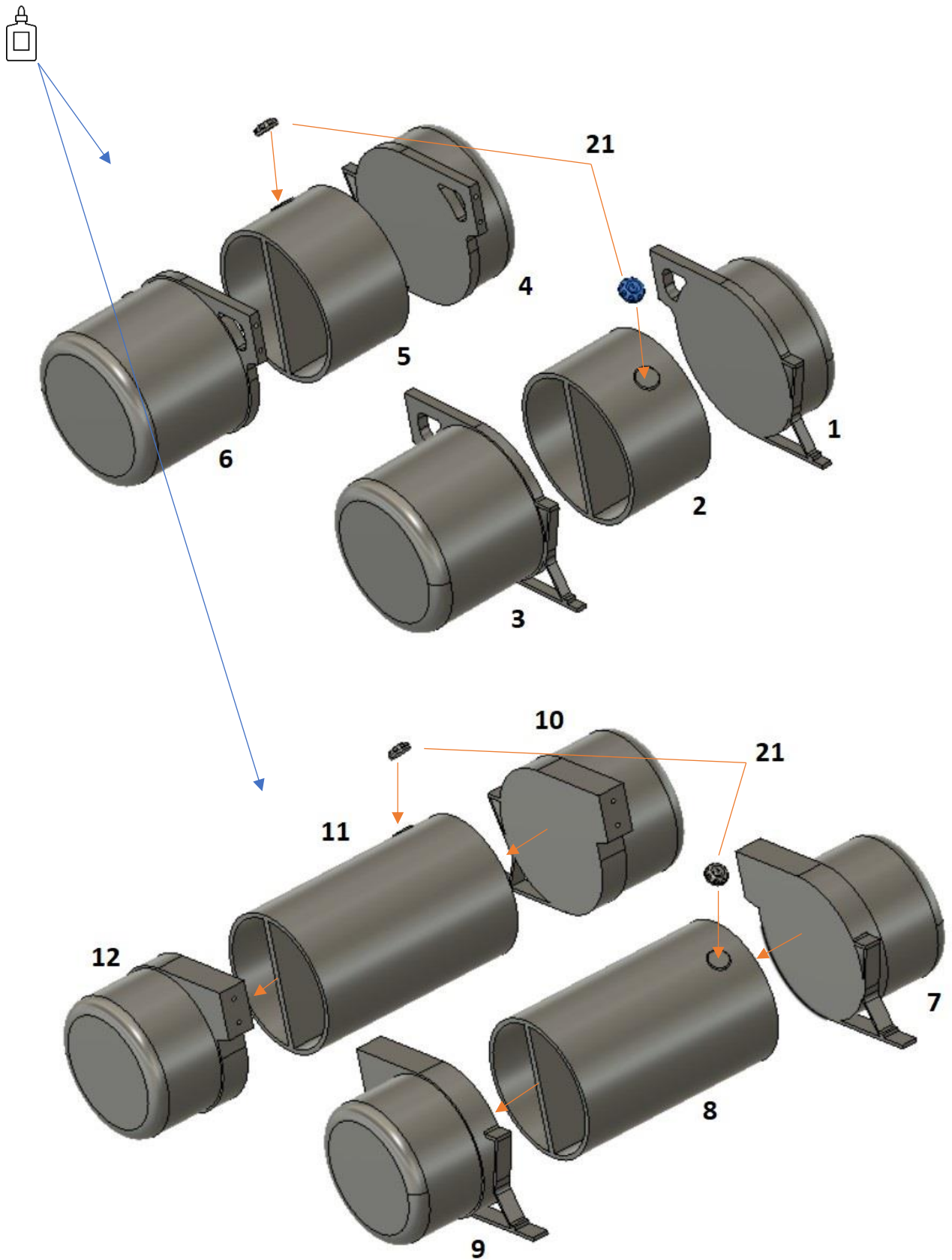


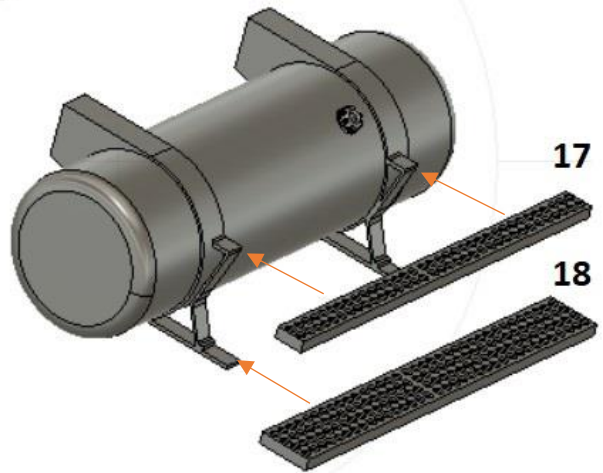
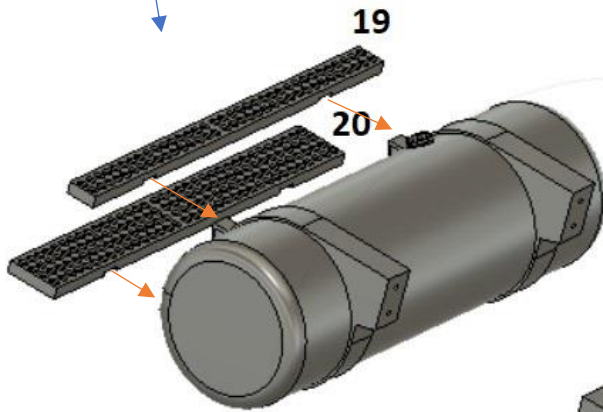
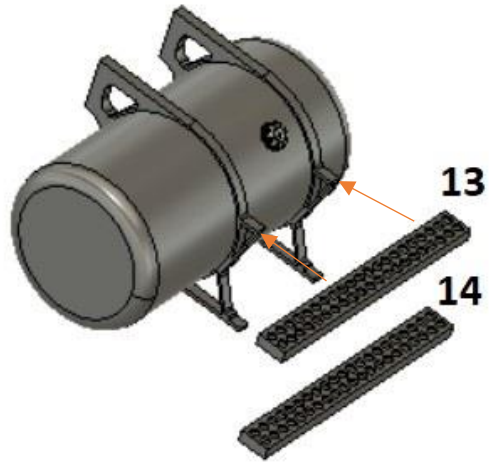
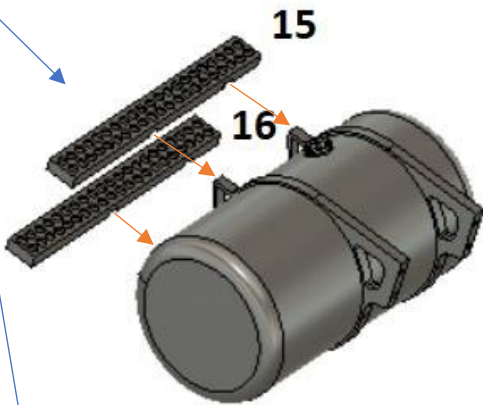


M2x10



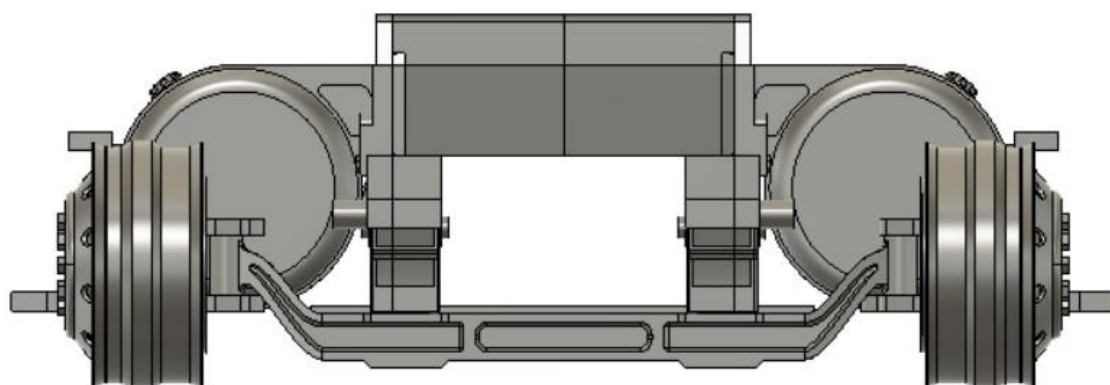
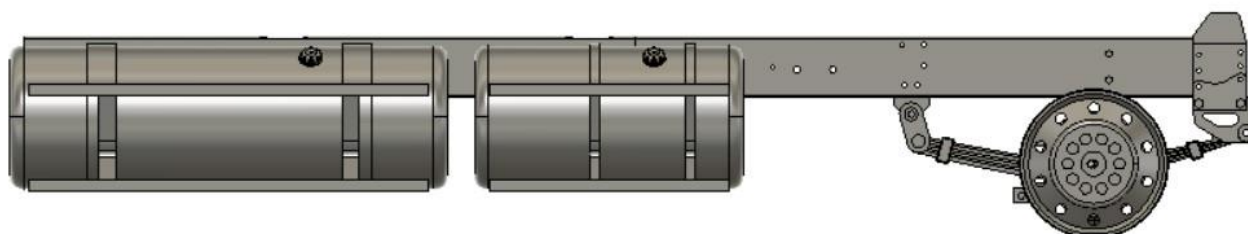
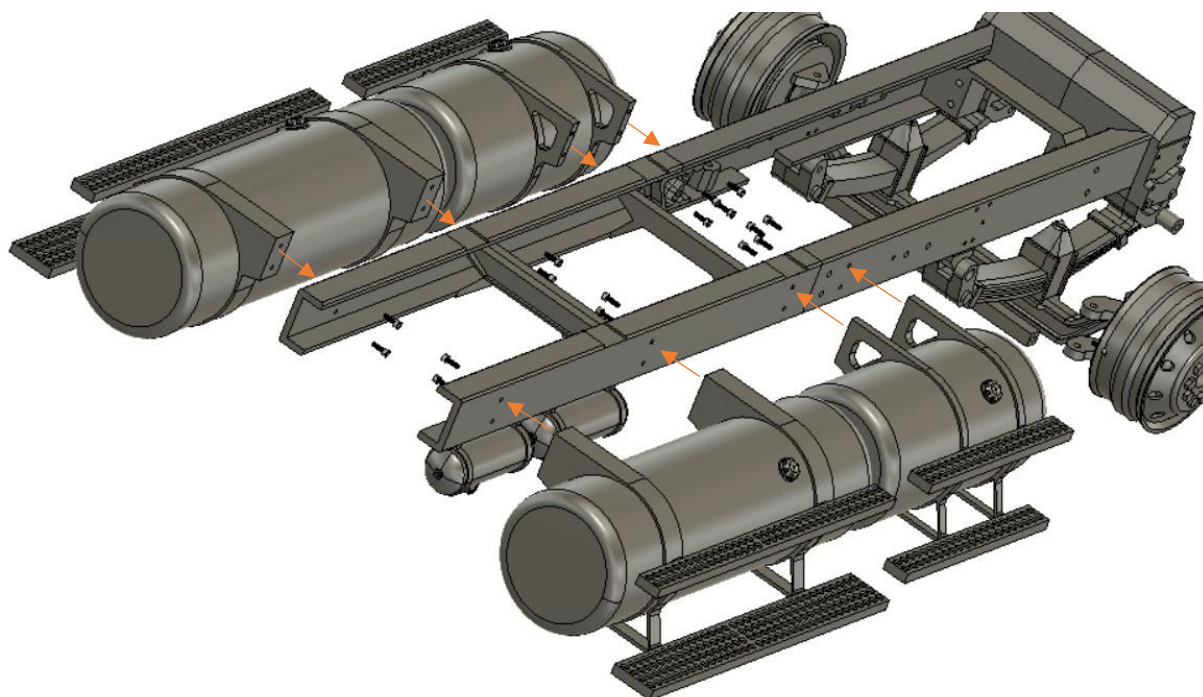
Nádrže



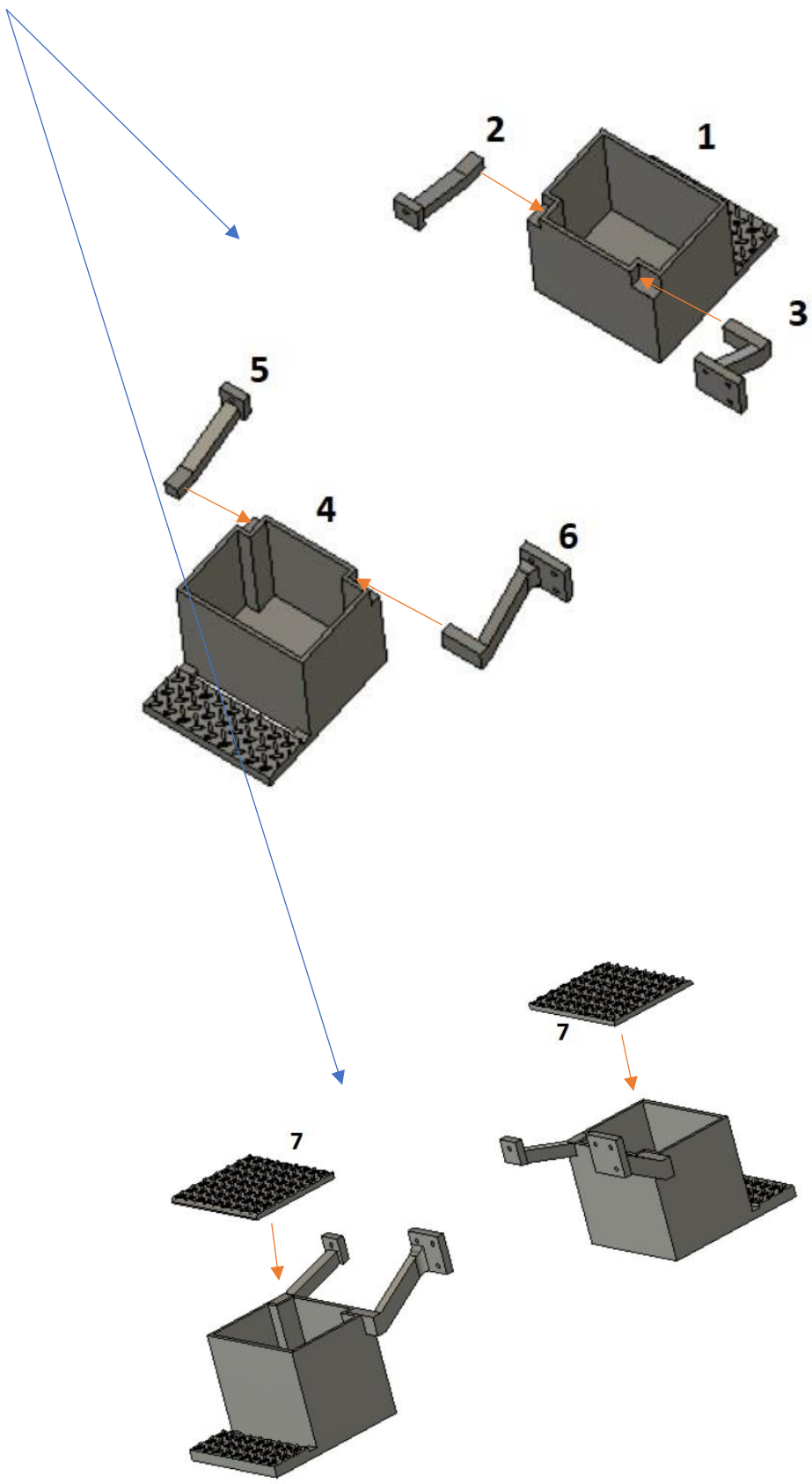


Před montáží demontujte převodovku s kardanem pro lepší přístup ke šroubkům.

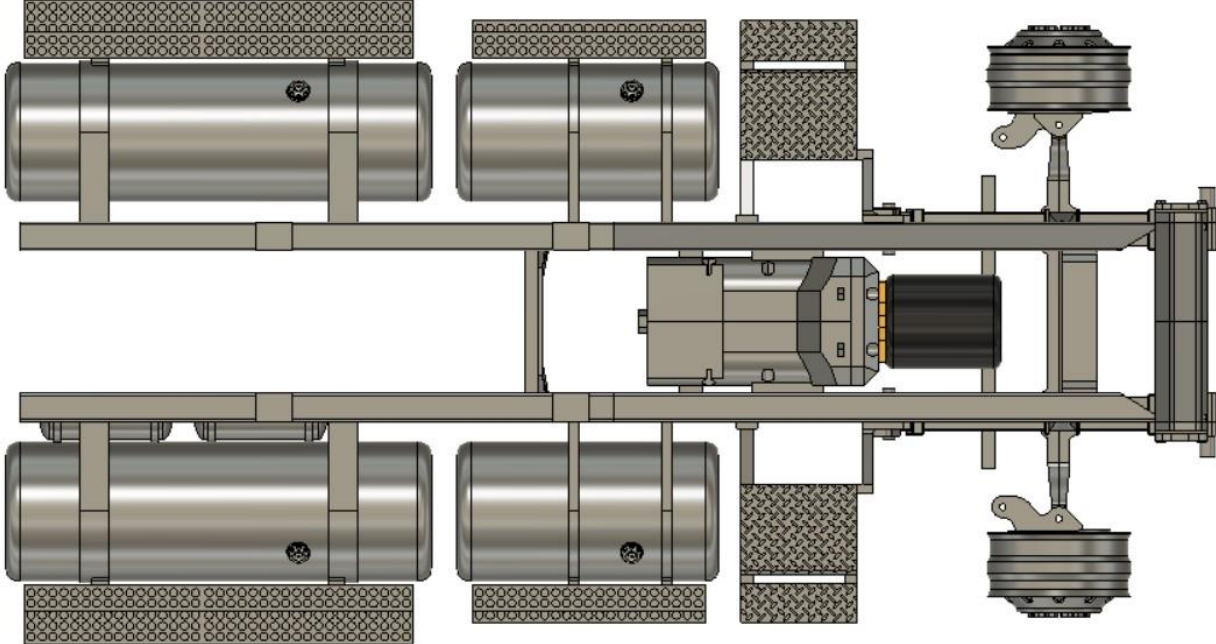
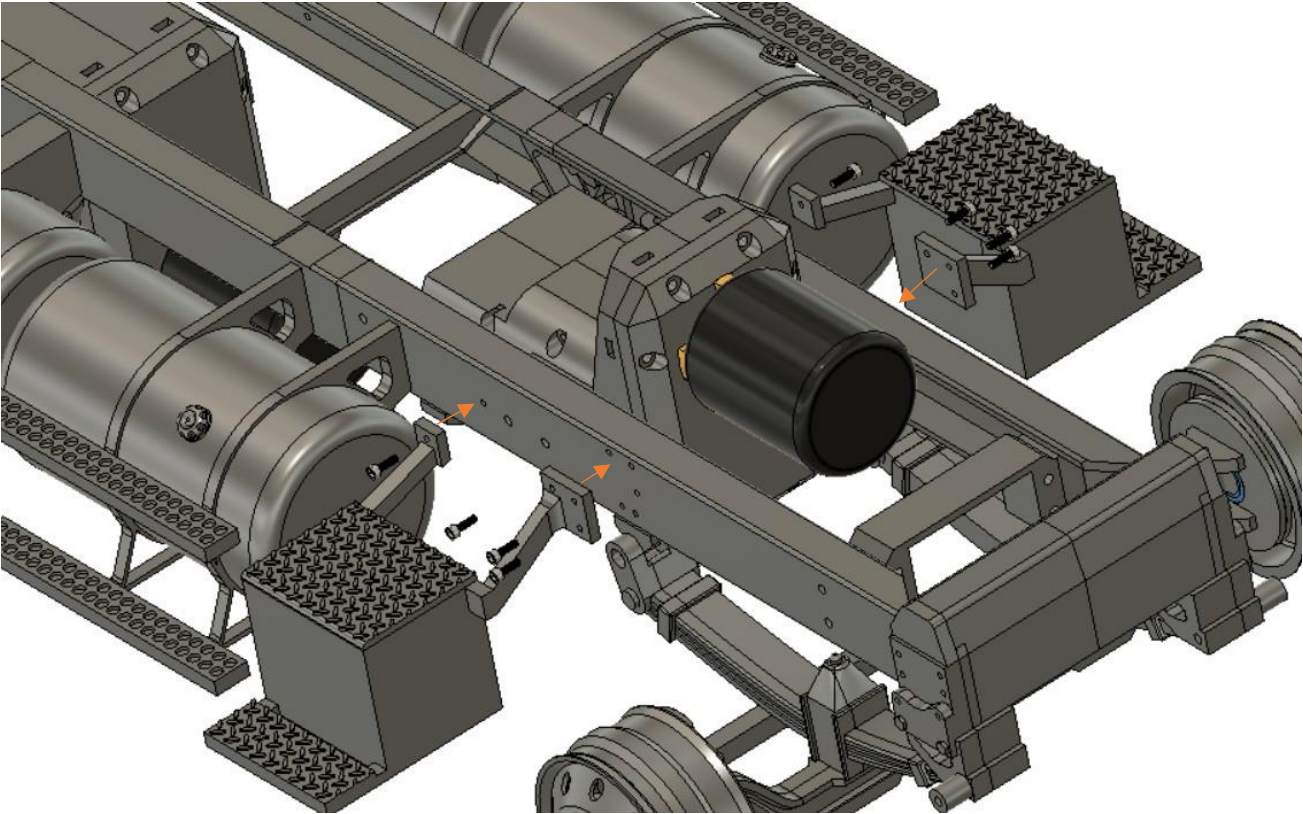
M2x8



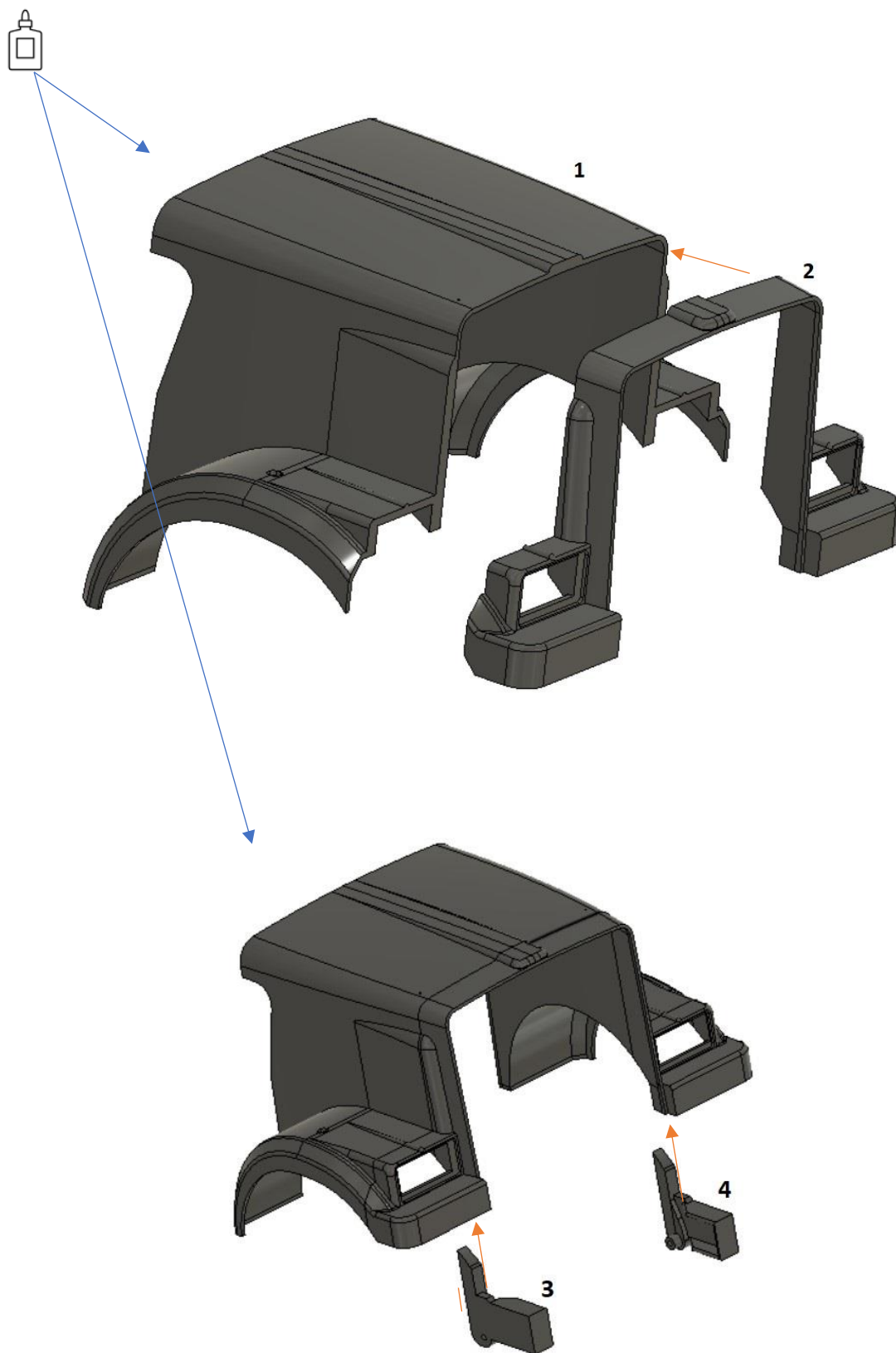
Schody

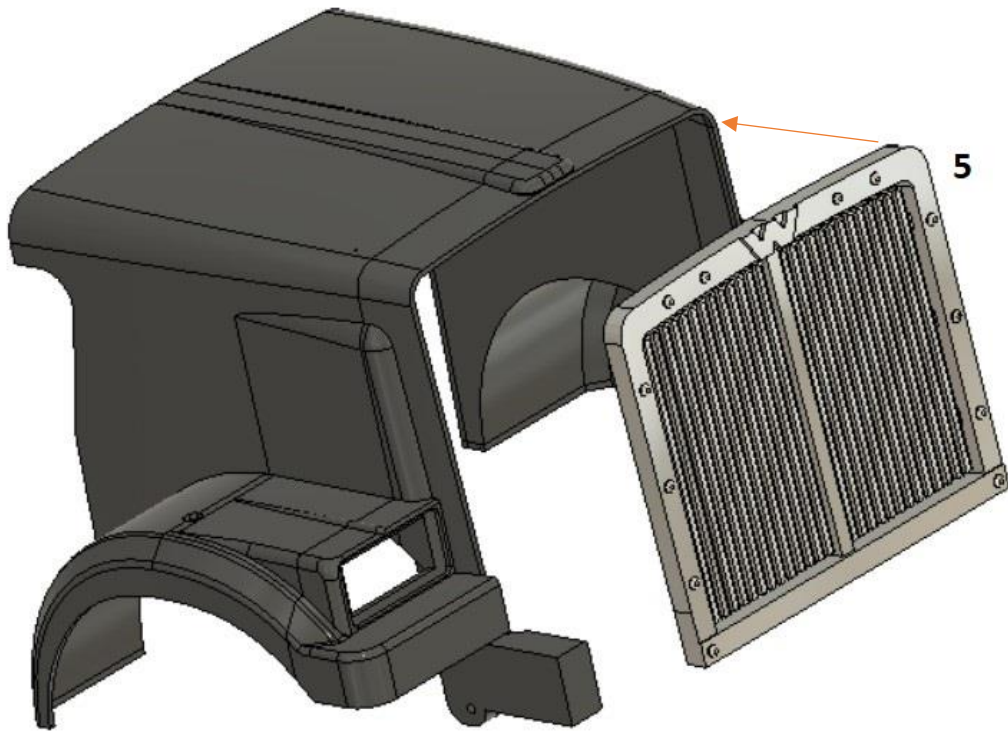
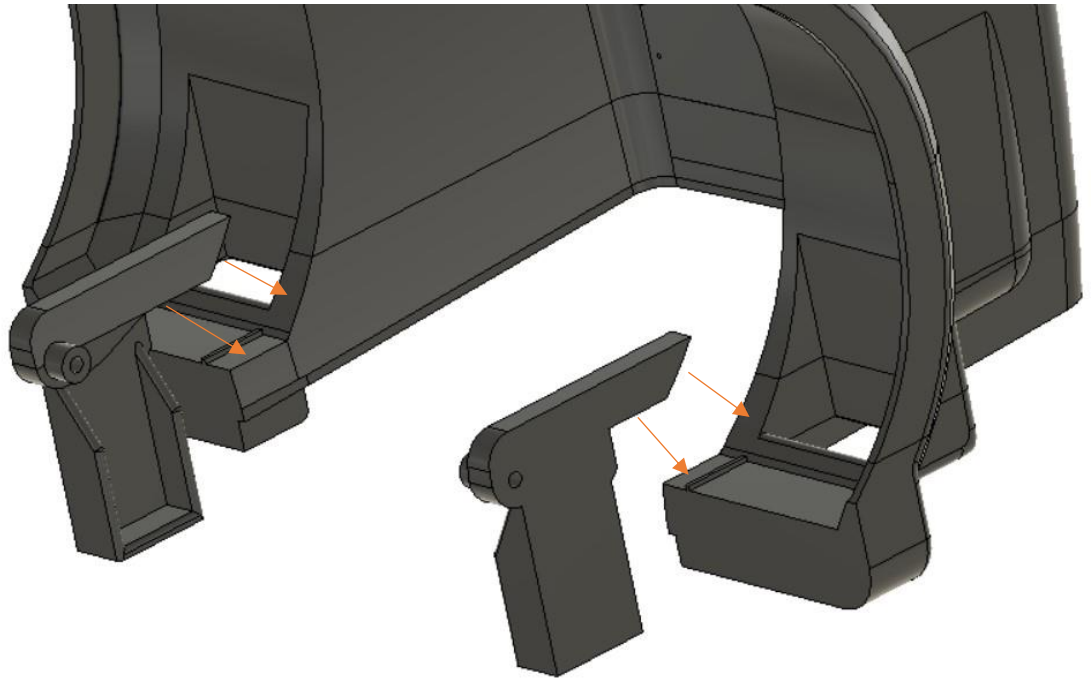


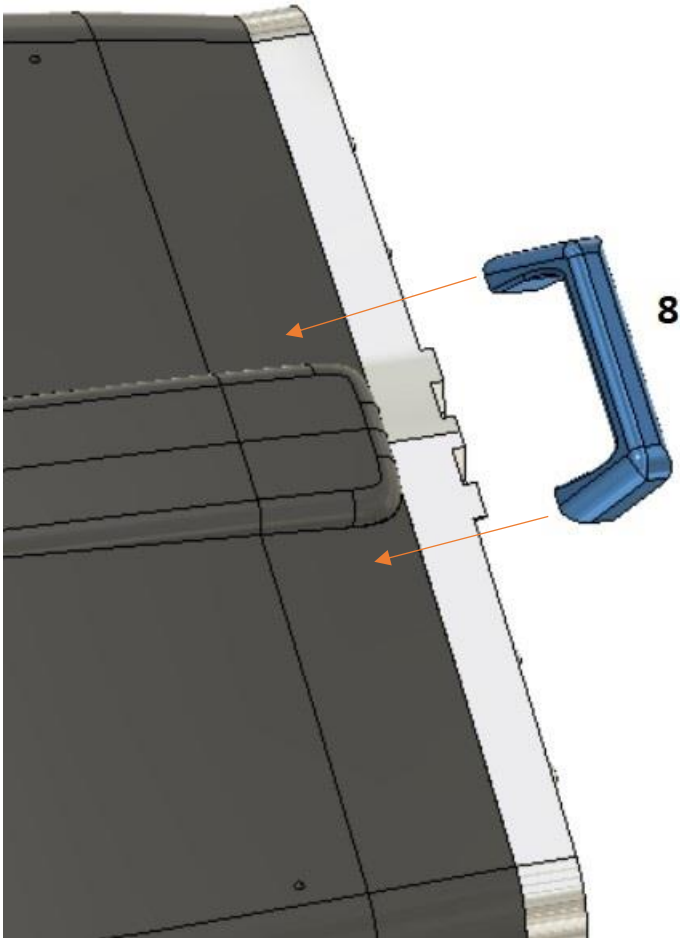
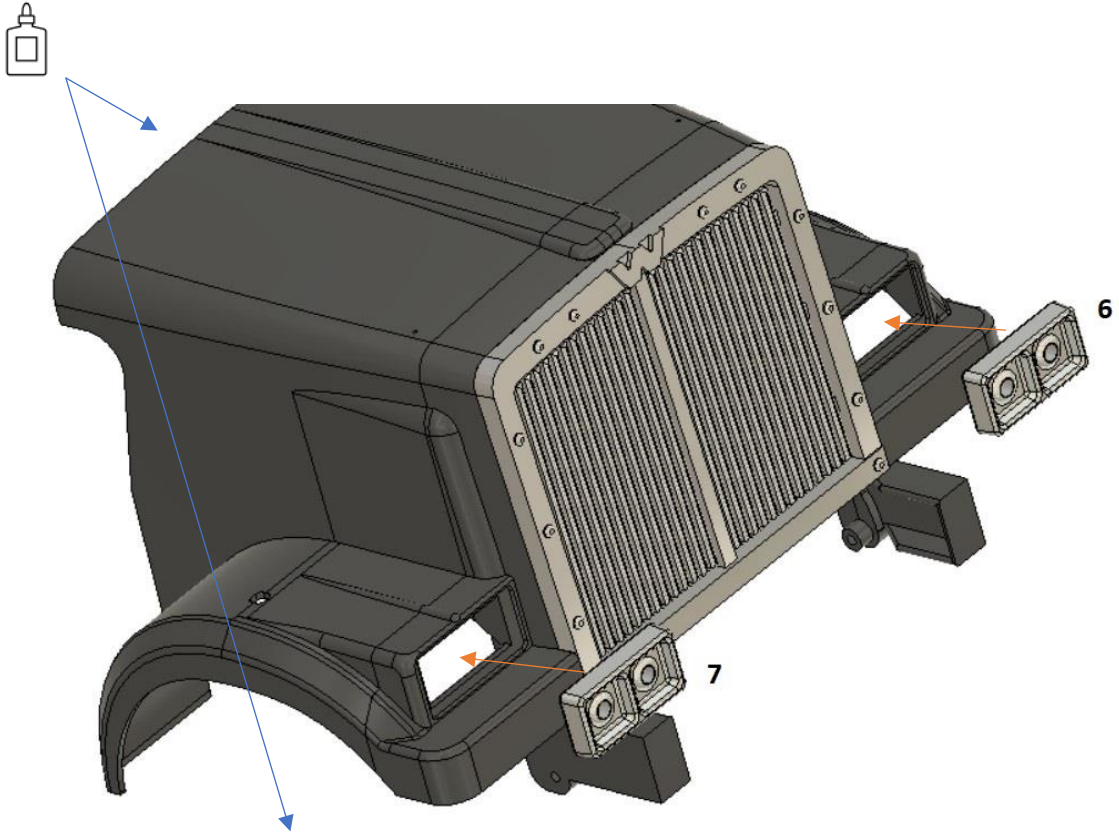
M2x6

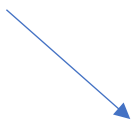
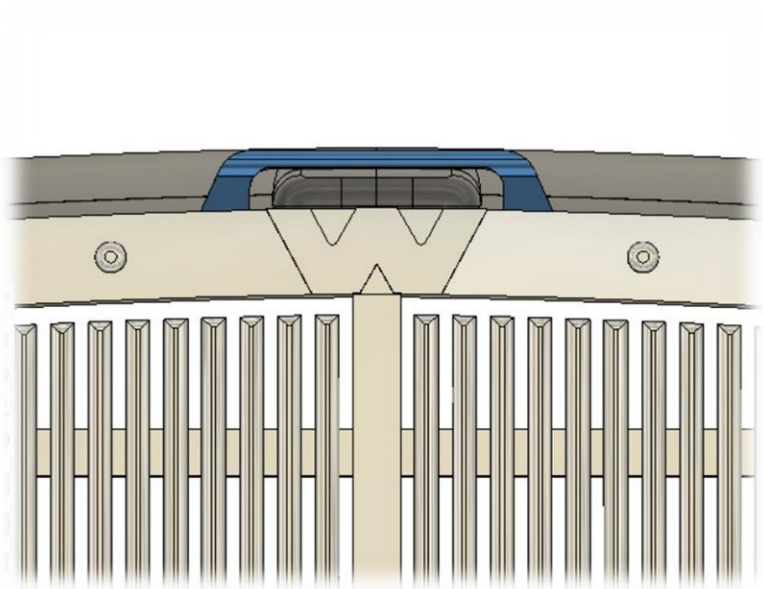
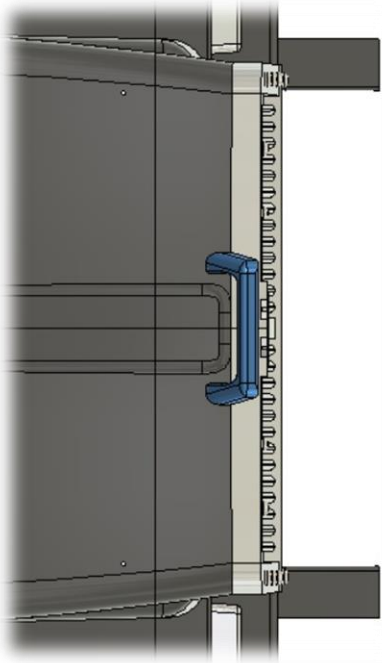


Kapota

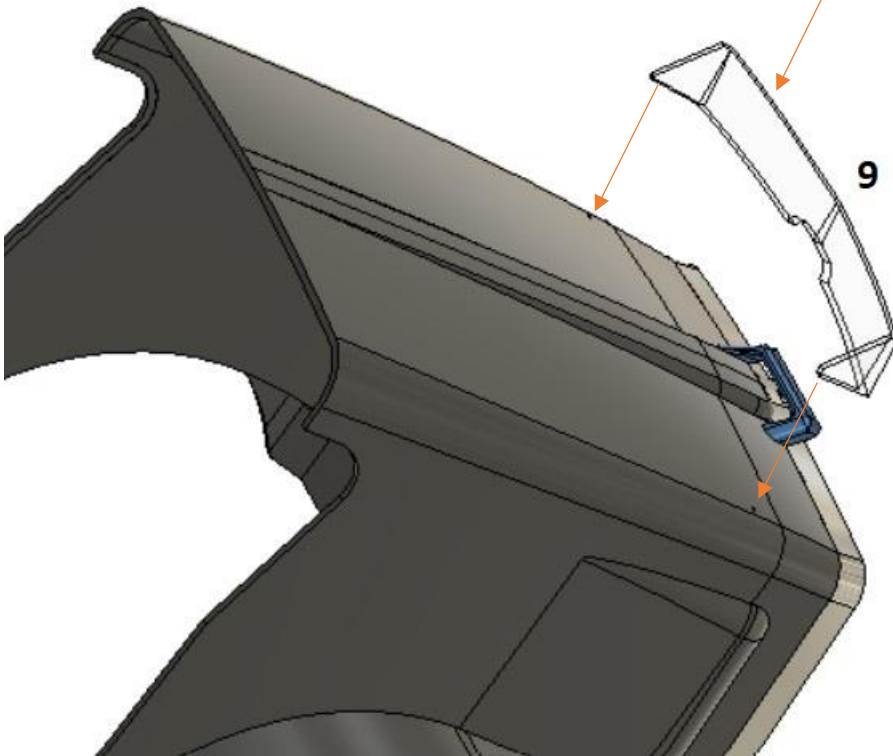






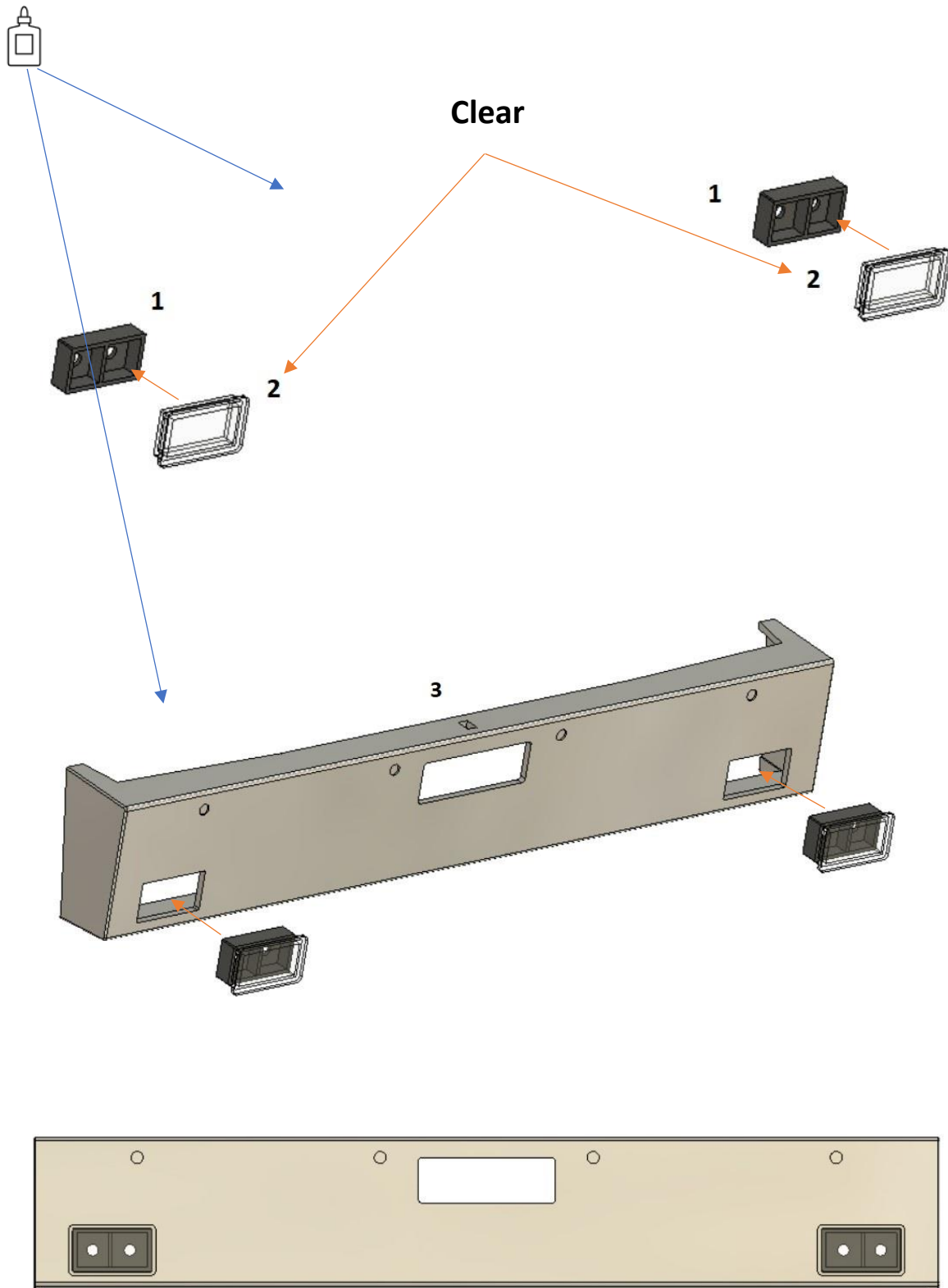


Clear

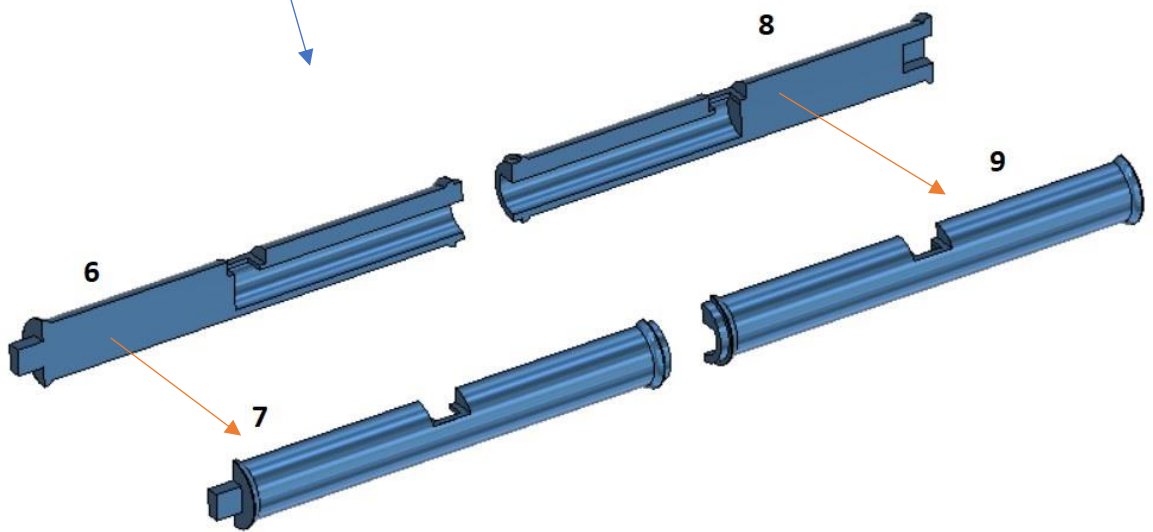
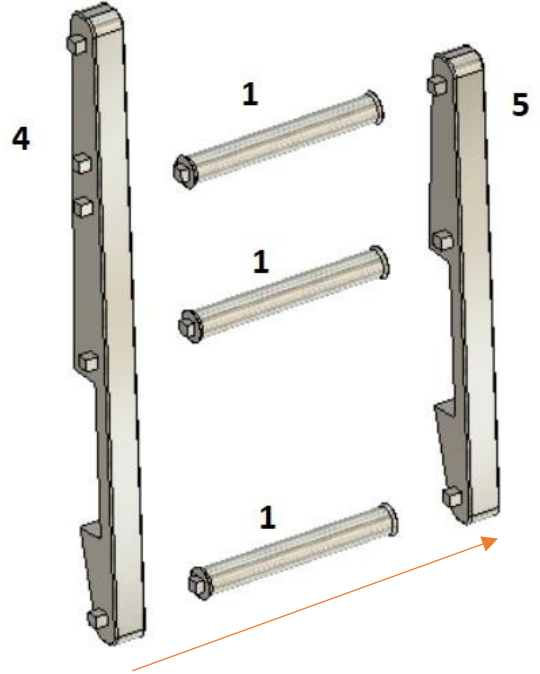
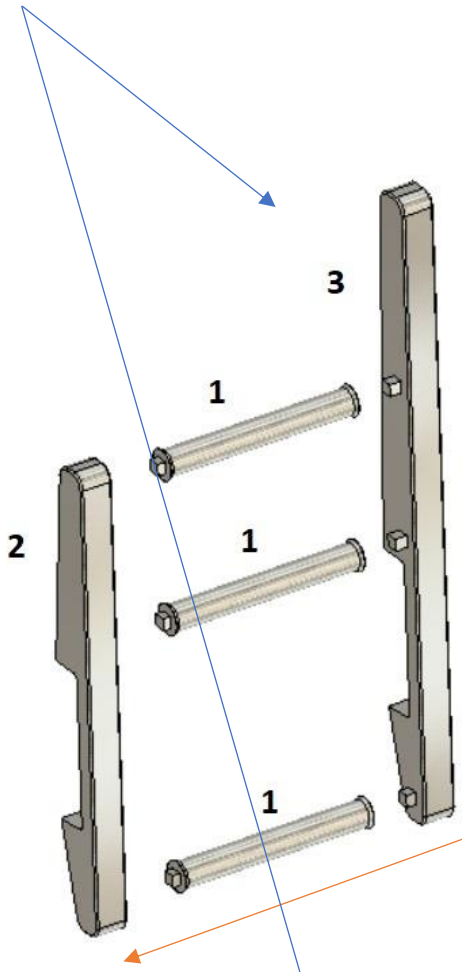




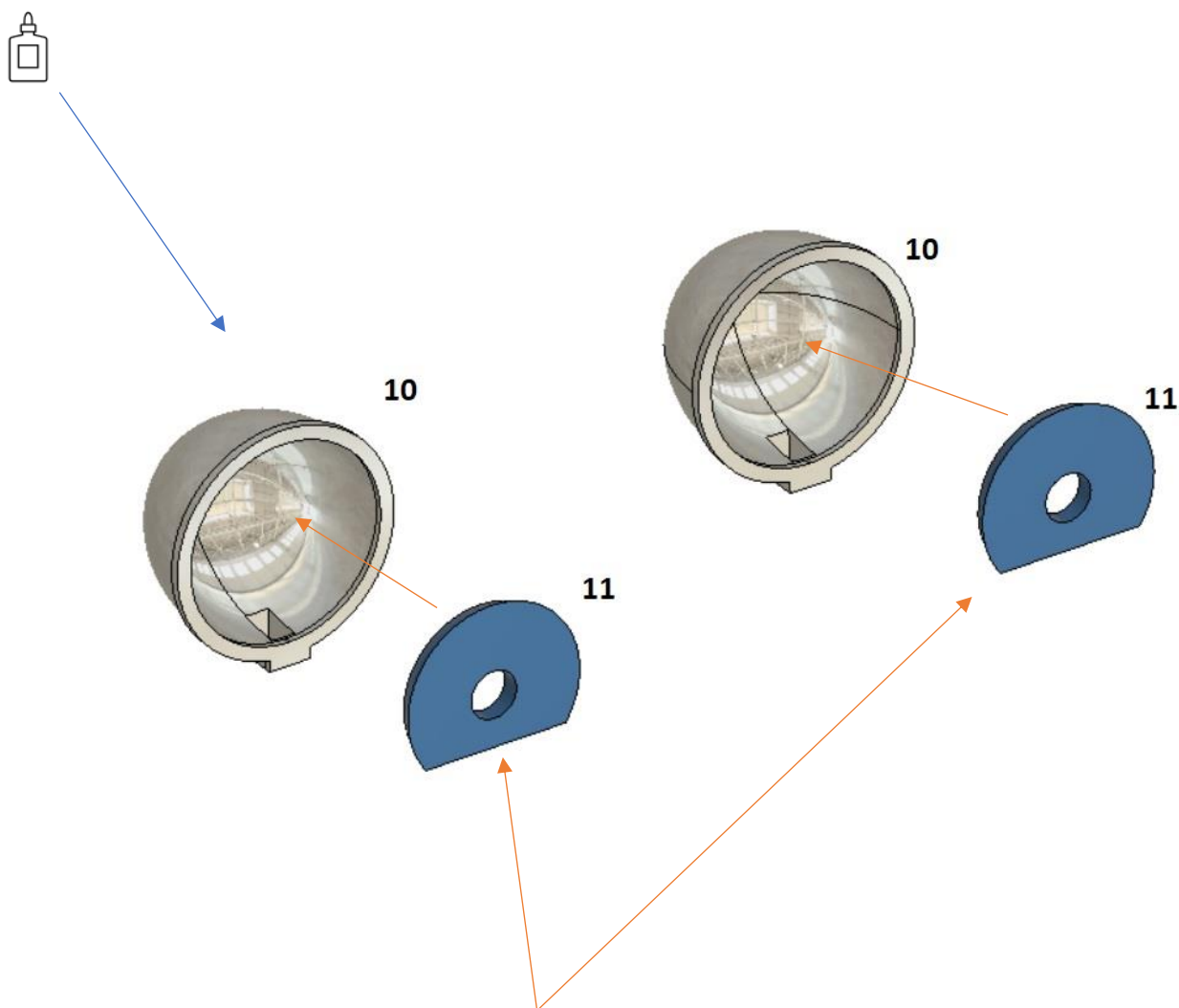
Nárazník



Rám

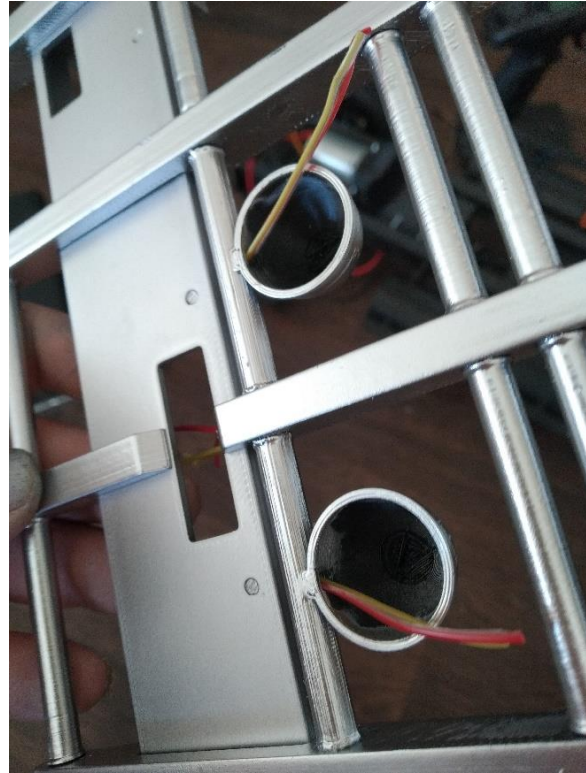


Před následujícím krokem si připravte 2LED 5 mm bílé barvy.
Připájíme vodiče, které musí být tak hubené, aby prošly otvory
v dílech (nejlépe: <https://www.gme.cz/kabel-plochy-awg28-fbk64h-1-2mm>).



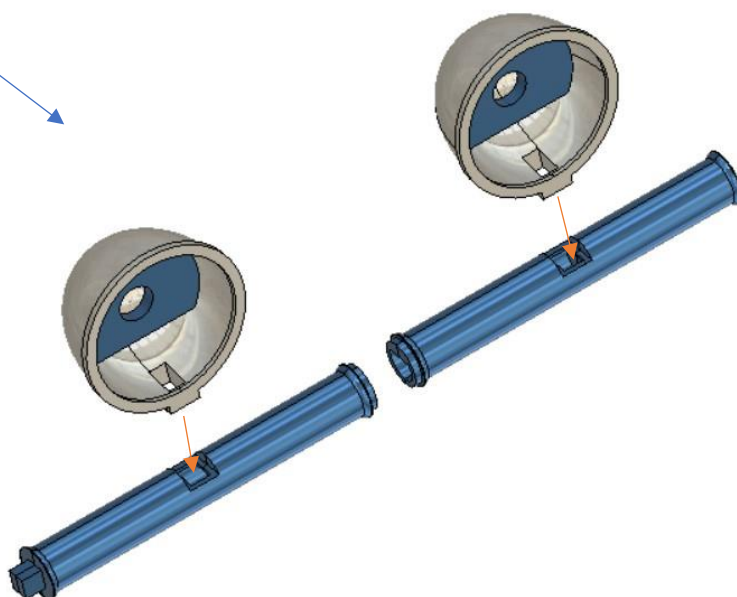
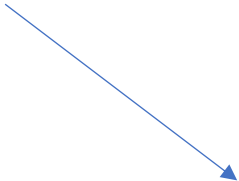
Do dílu 11 vložíme ledky a vodiče prostrčíme otvory v dílu 10.
Díly 11 s led vložíme až na doraz do dílů 10 a následně zalepíme.

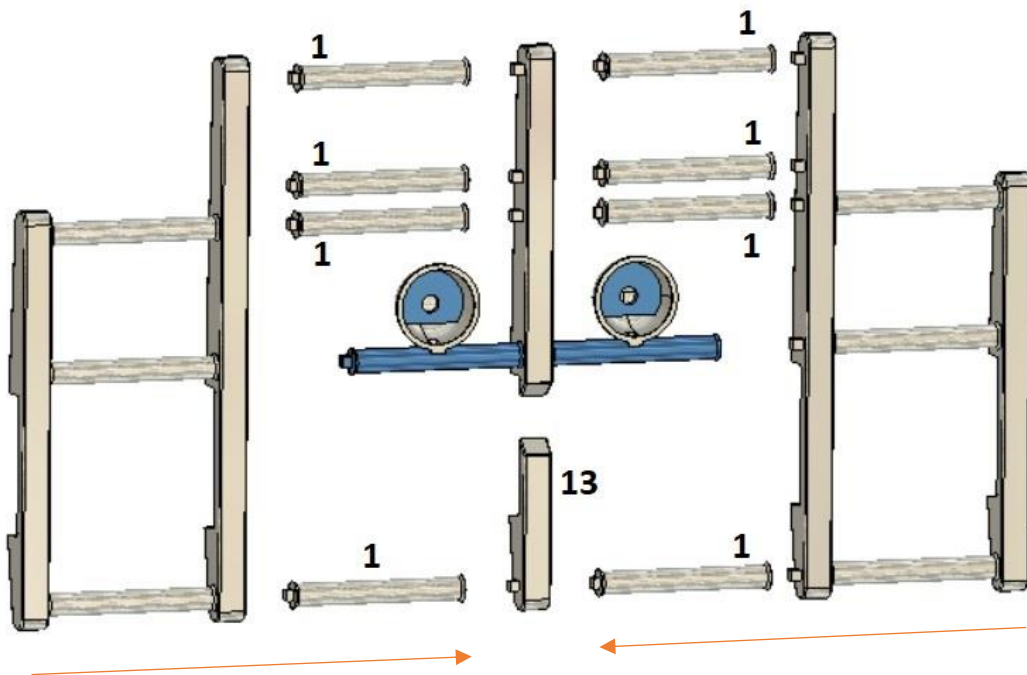
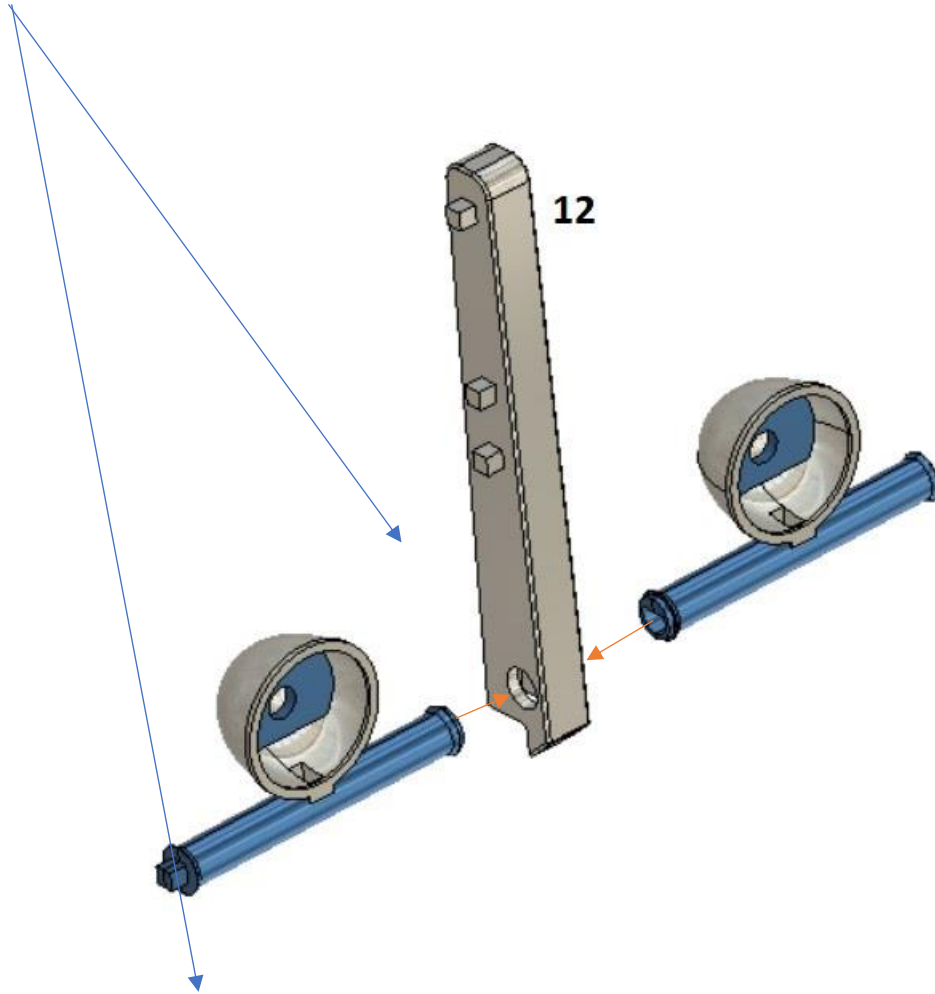
Podívejte se detailně na následující fotky.

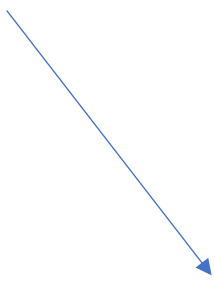
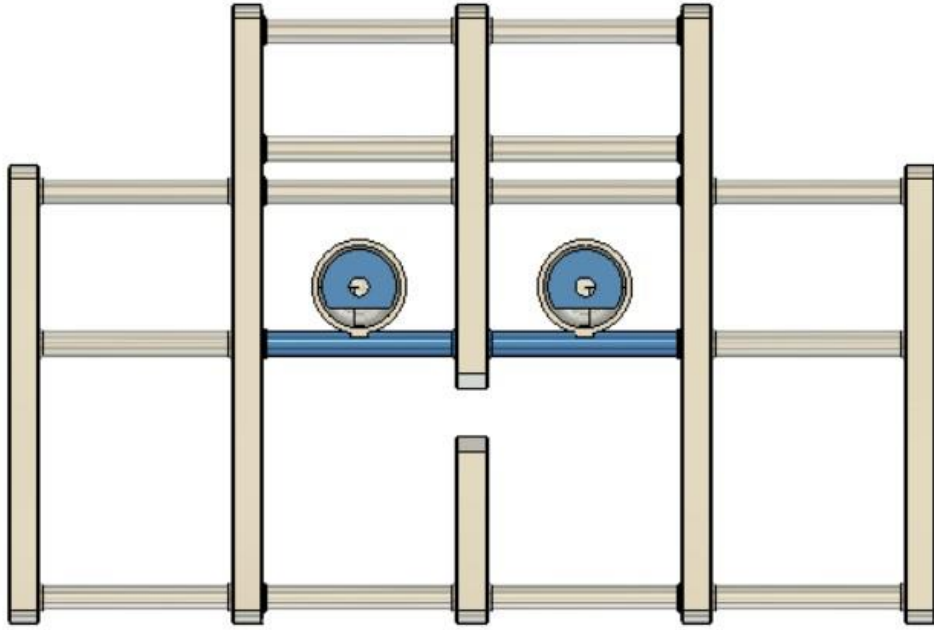




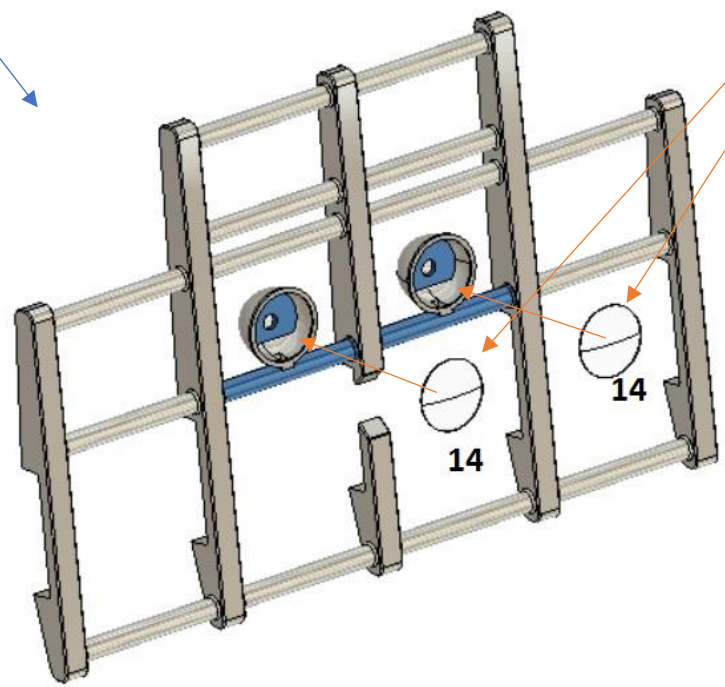
Pozdější montáž ledek by byla velice komplikovaná.

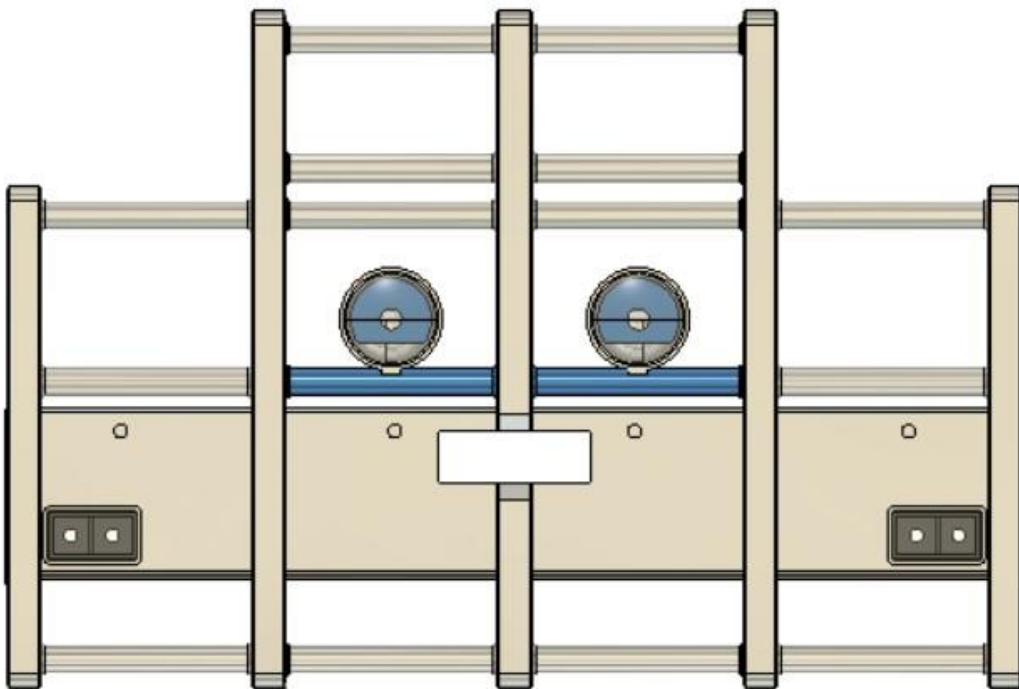
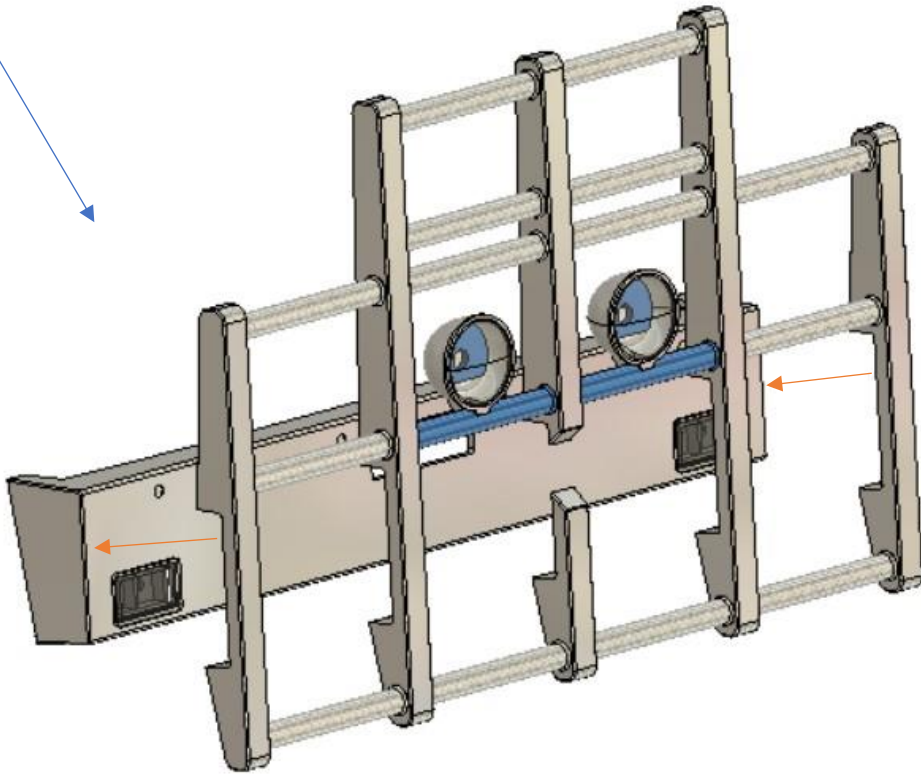
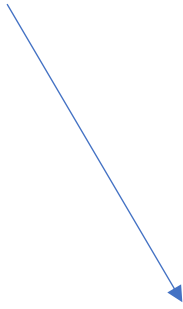


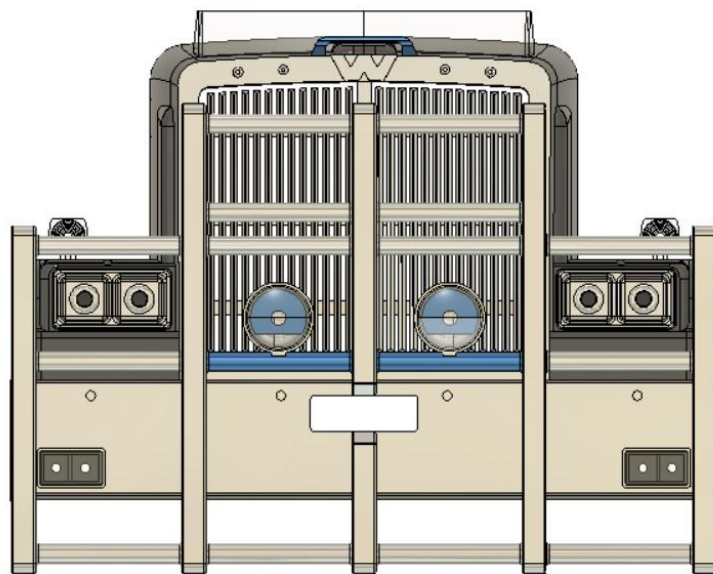
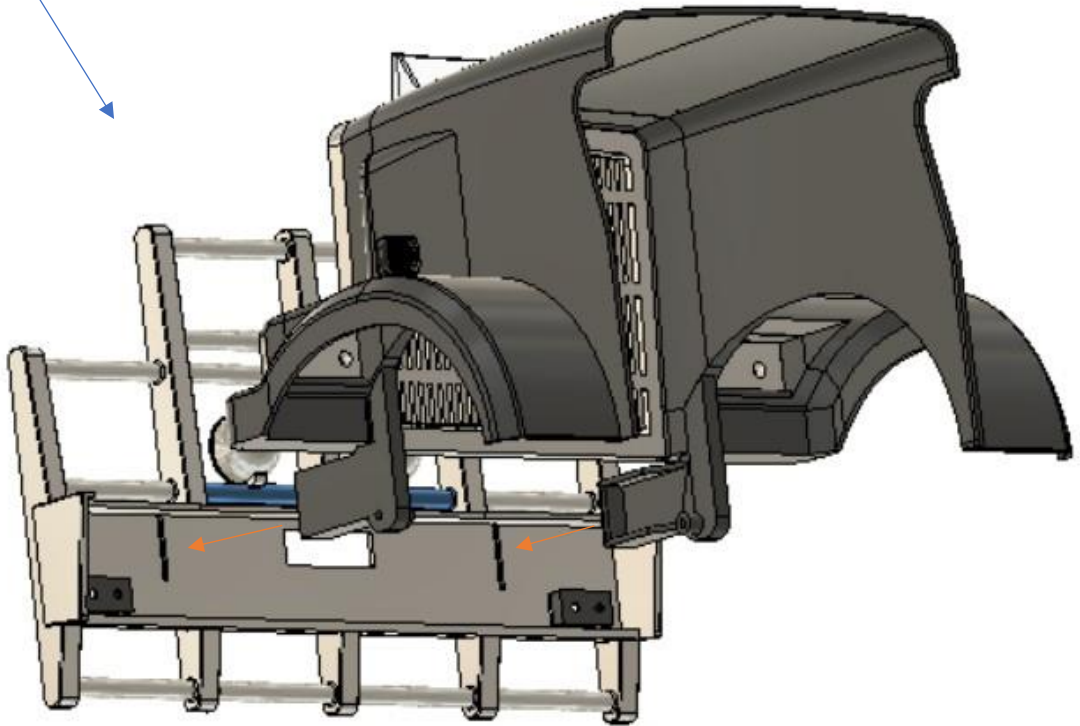
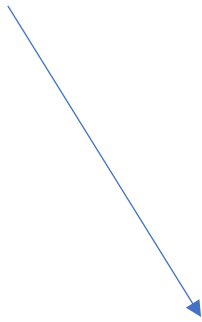




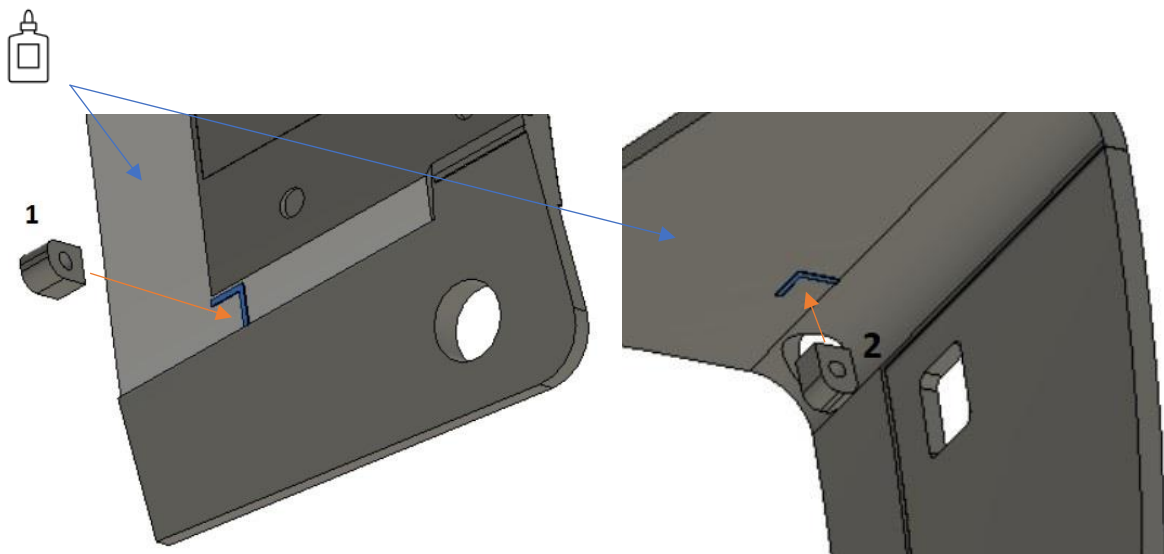
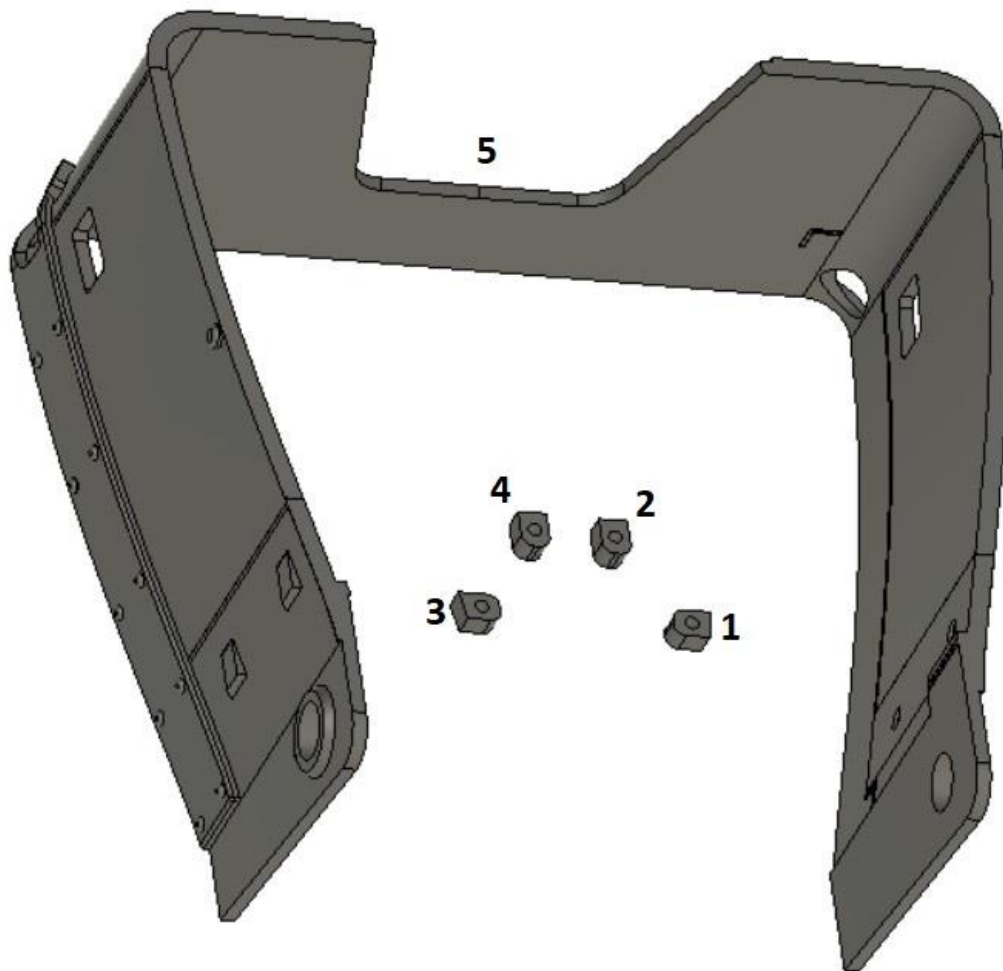
Clear

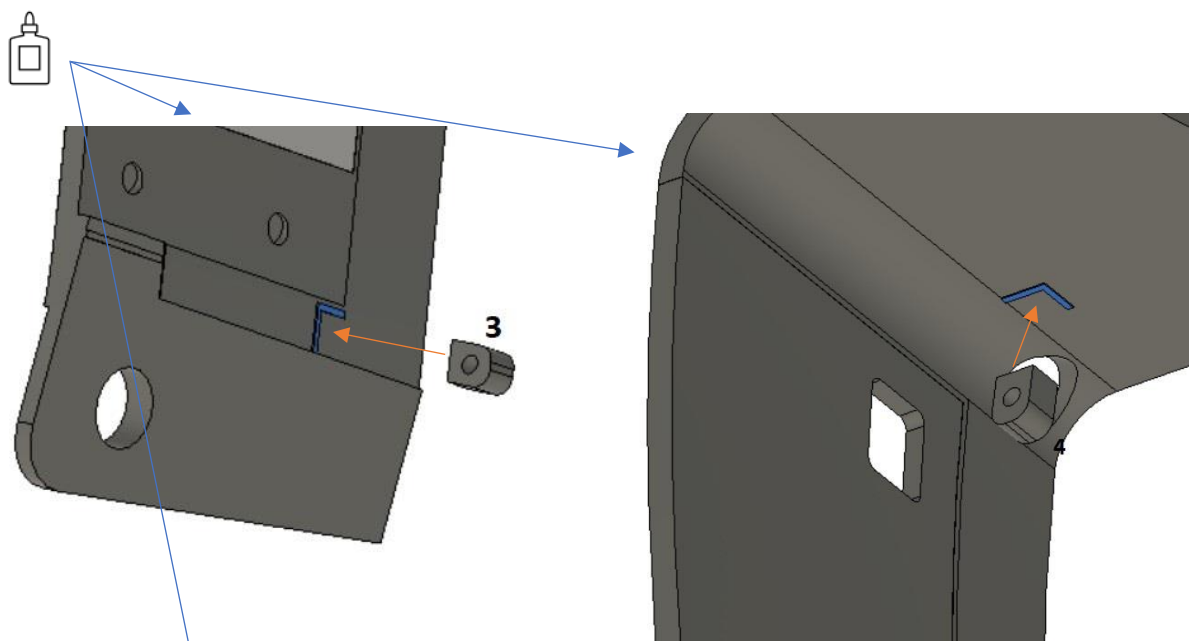




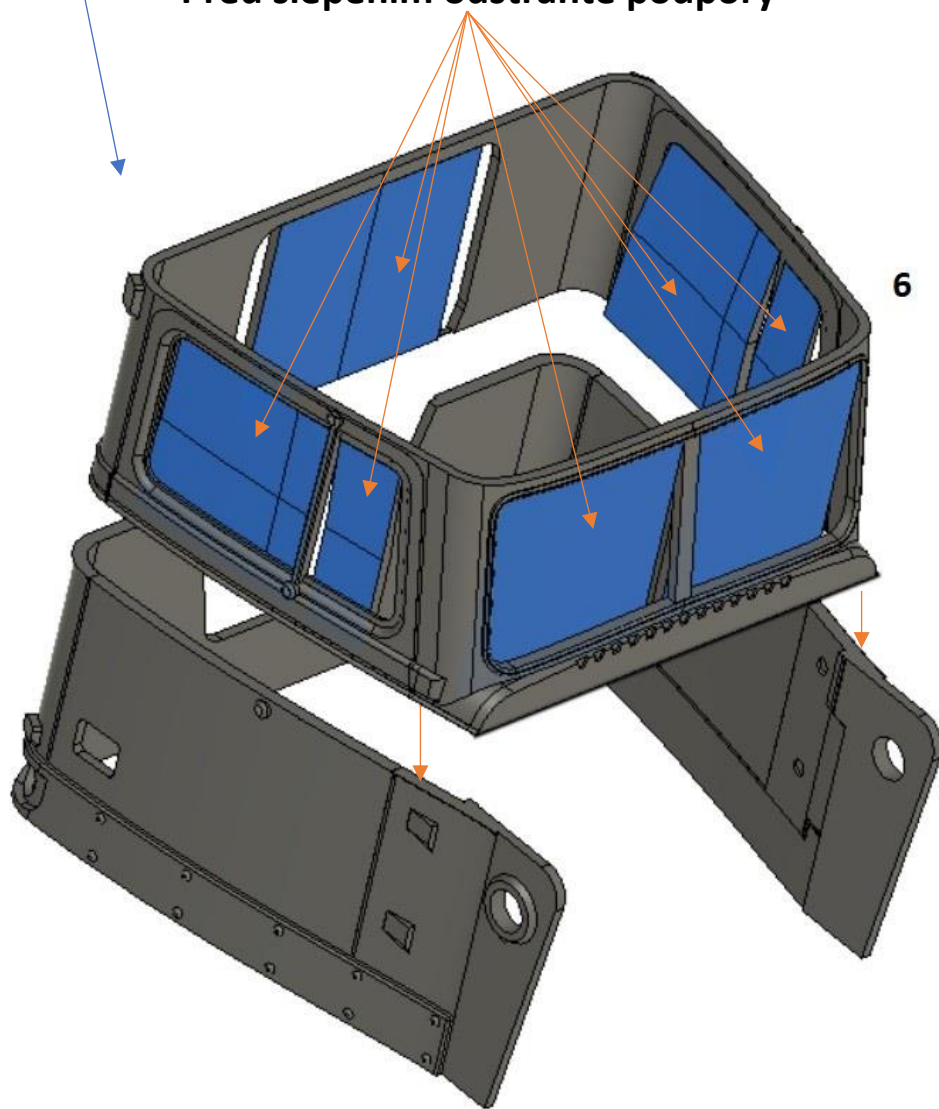


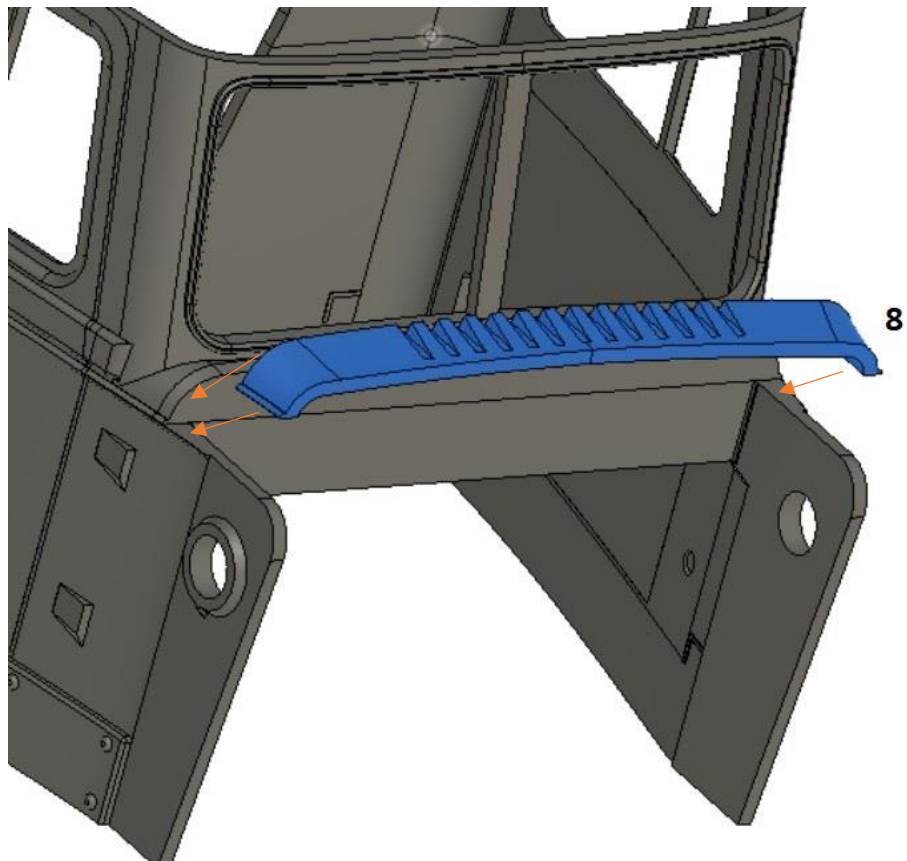
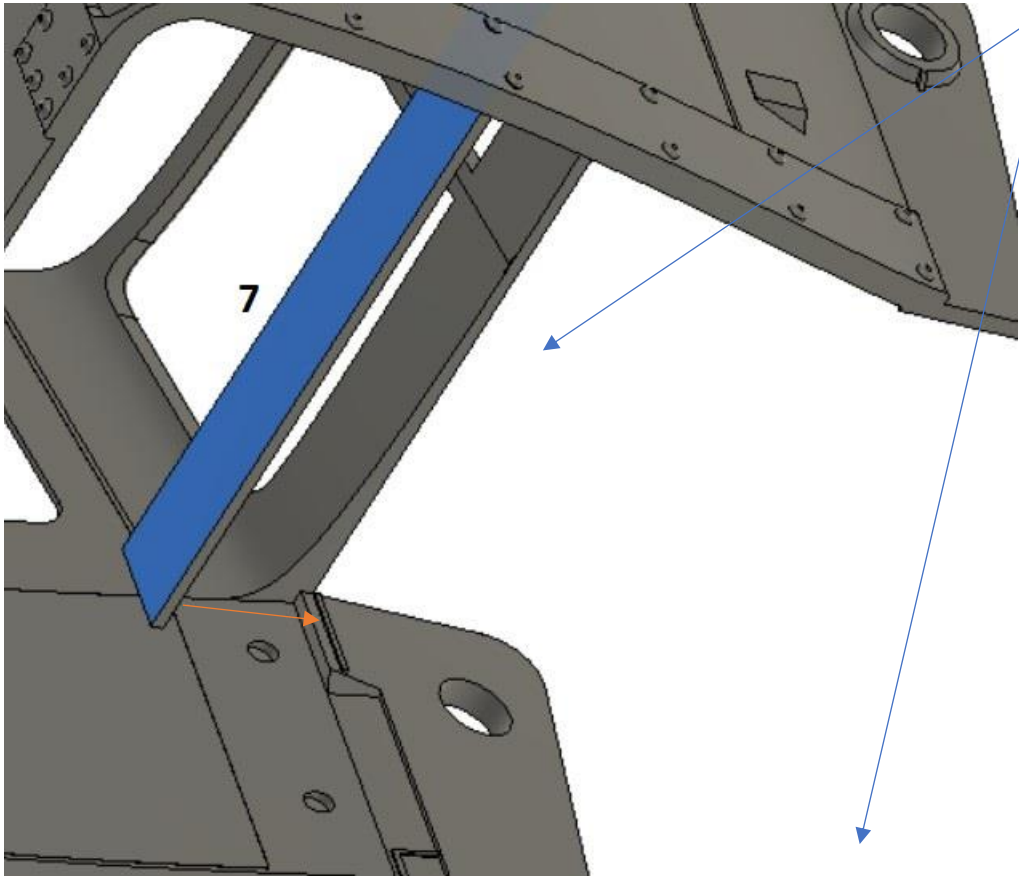
Kabina-1



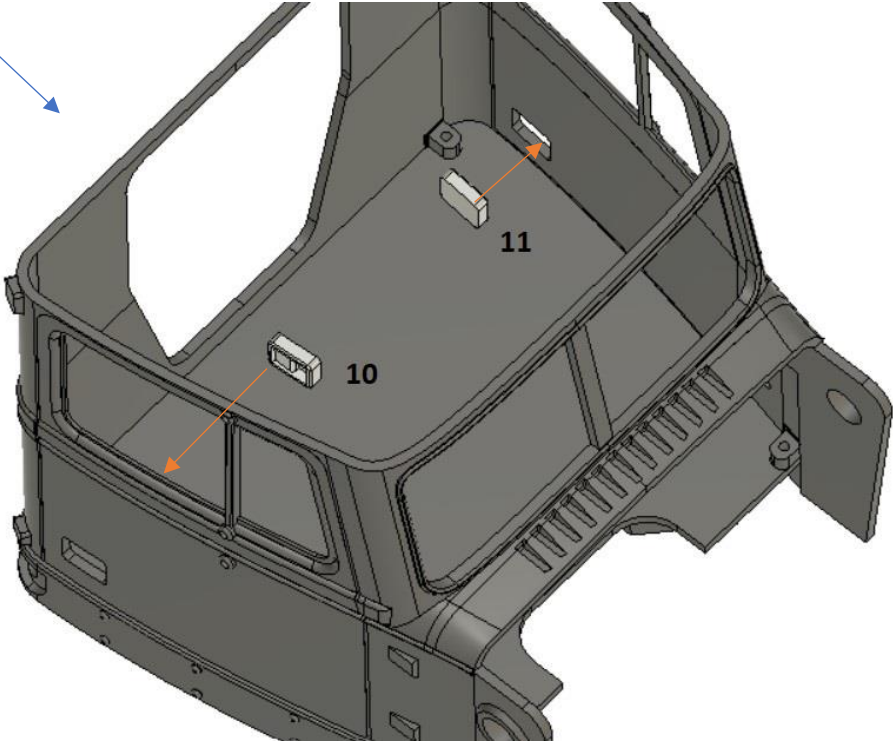


Před slepením odstraňte podpory

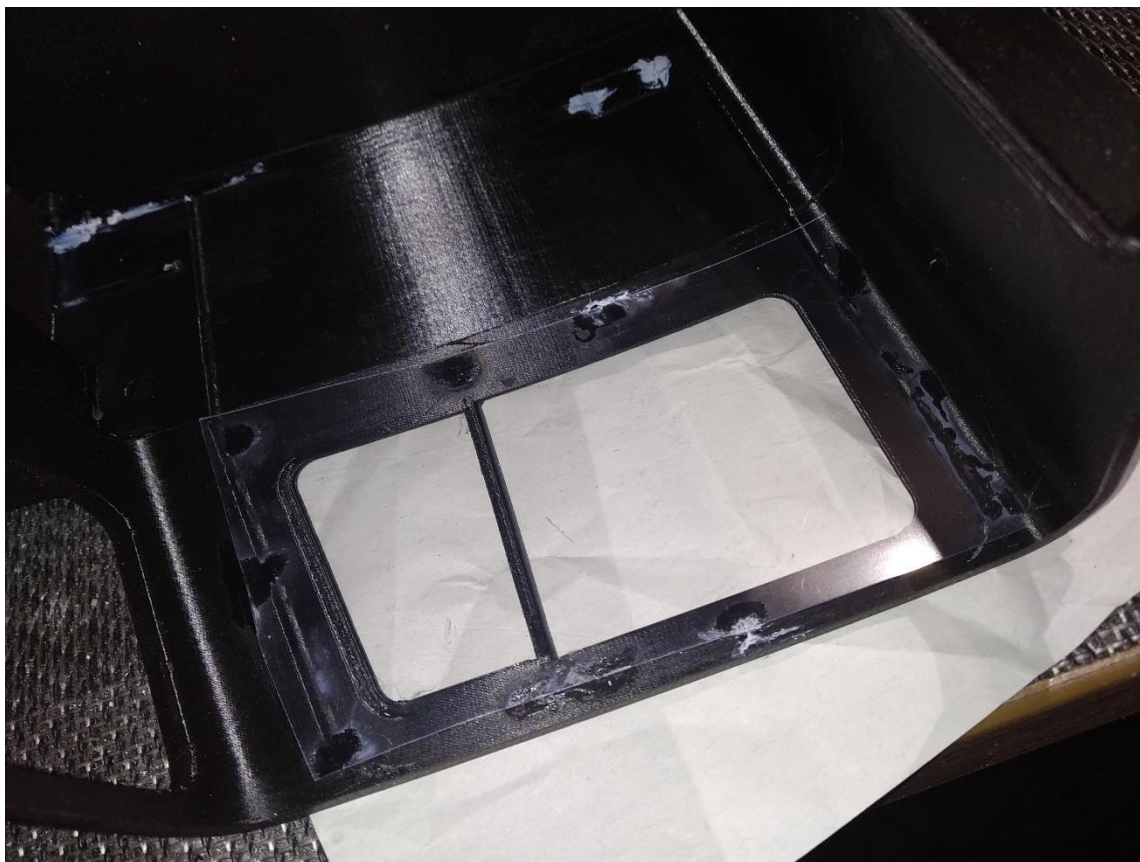


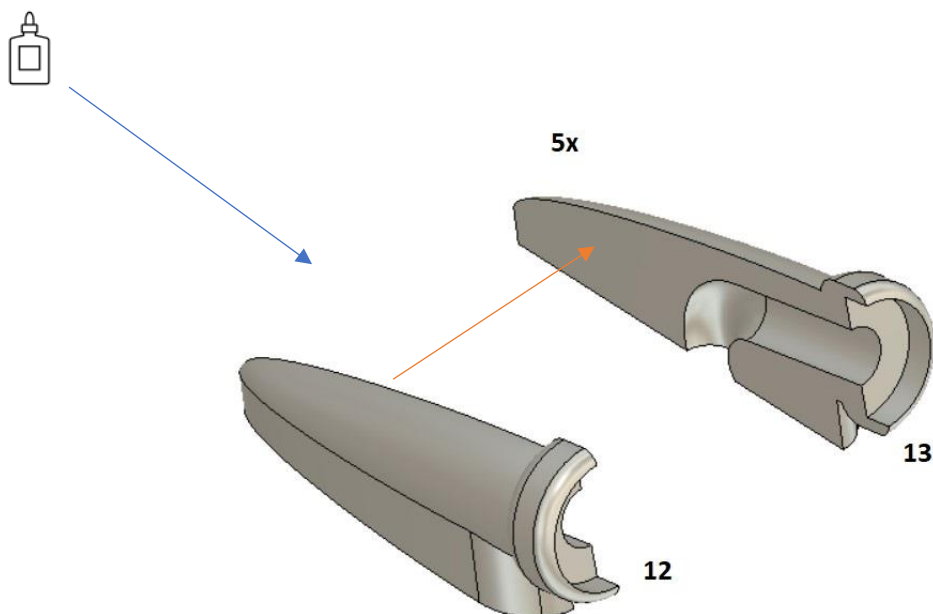


M3x10

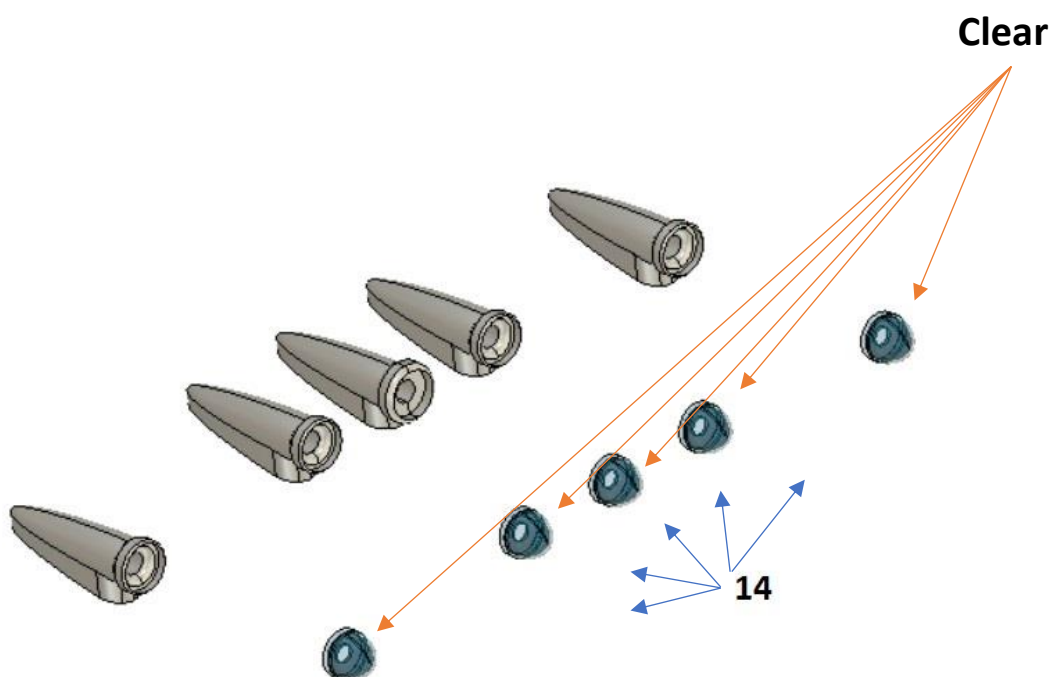


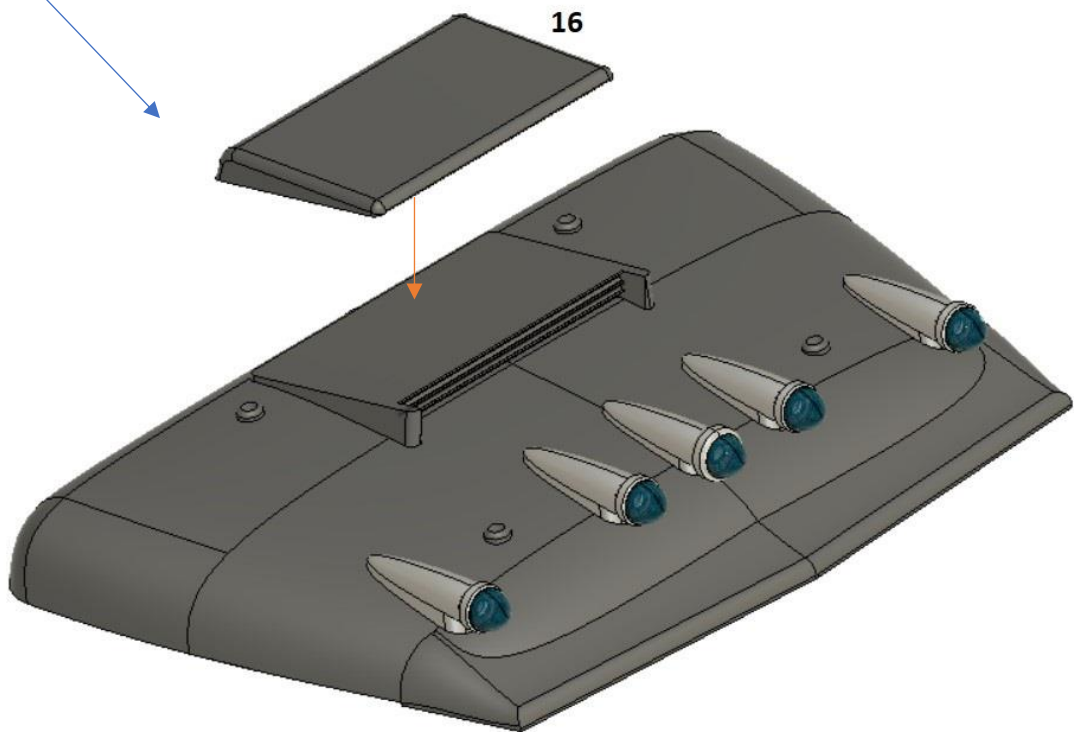
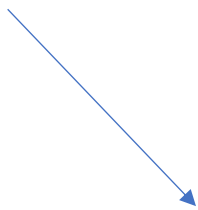
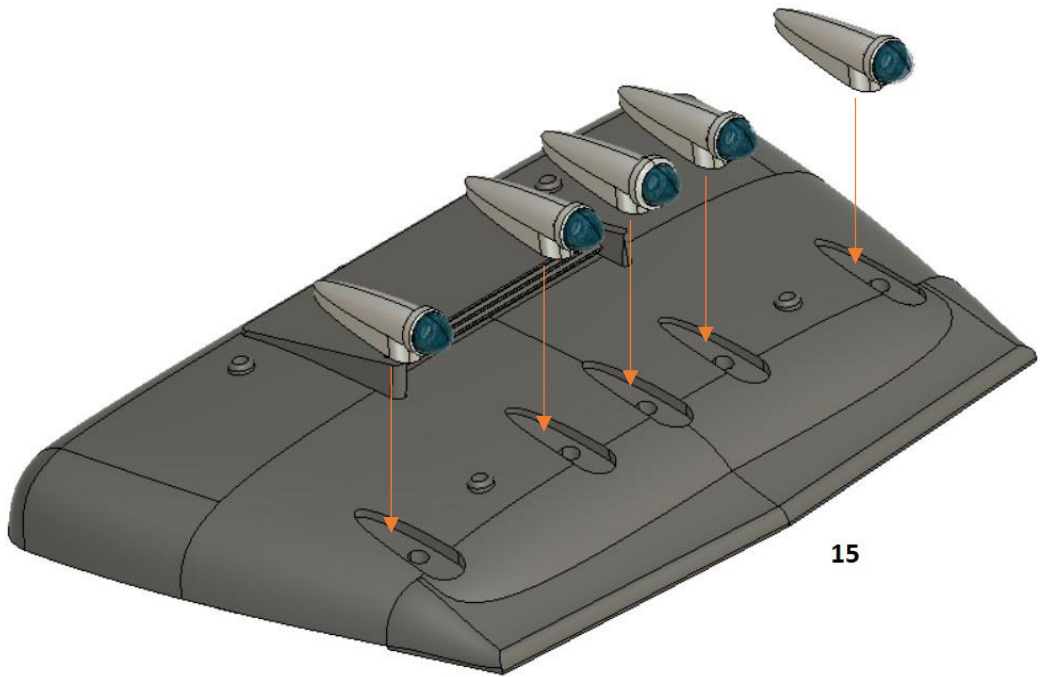
Nyní vlepíte okna (DUROFOL). Lepidlo naneste opatrně na okraje tak, aby vám nesteklo do části, skrz které má být vidět.

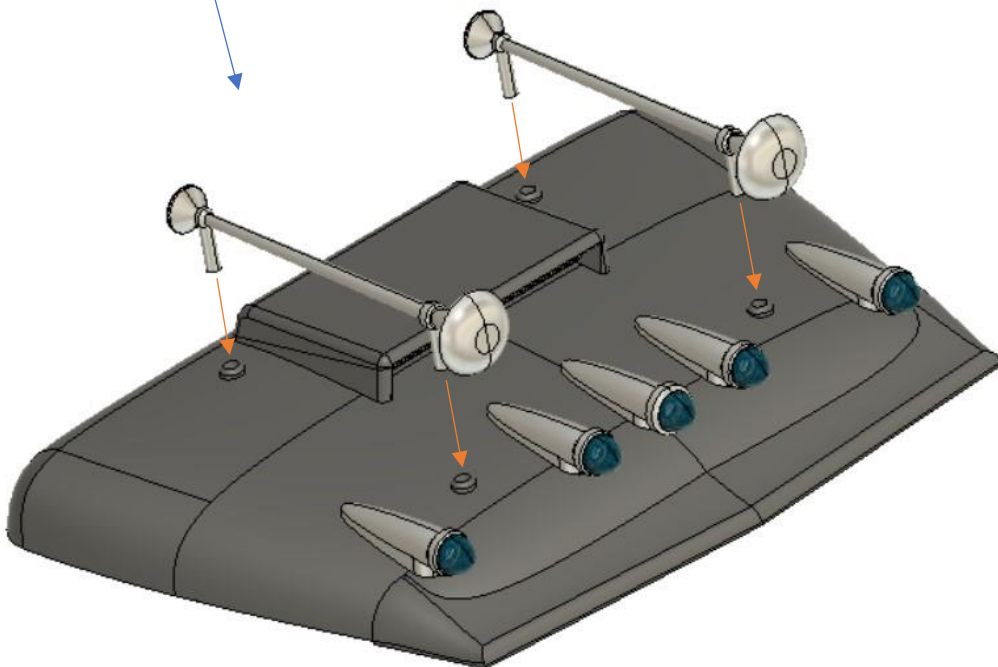
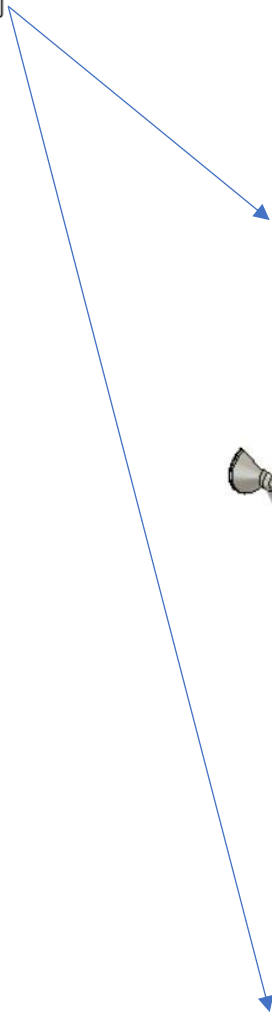


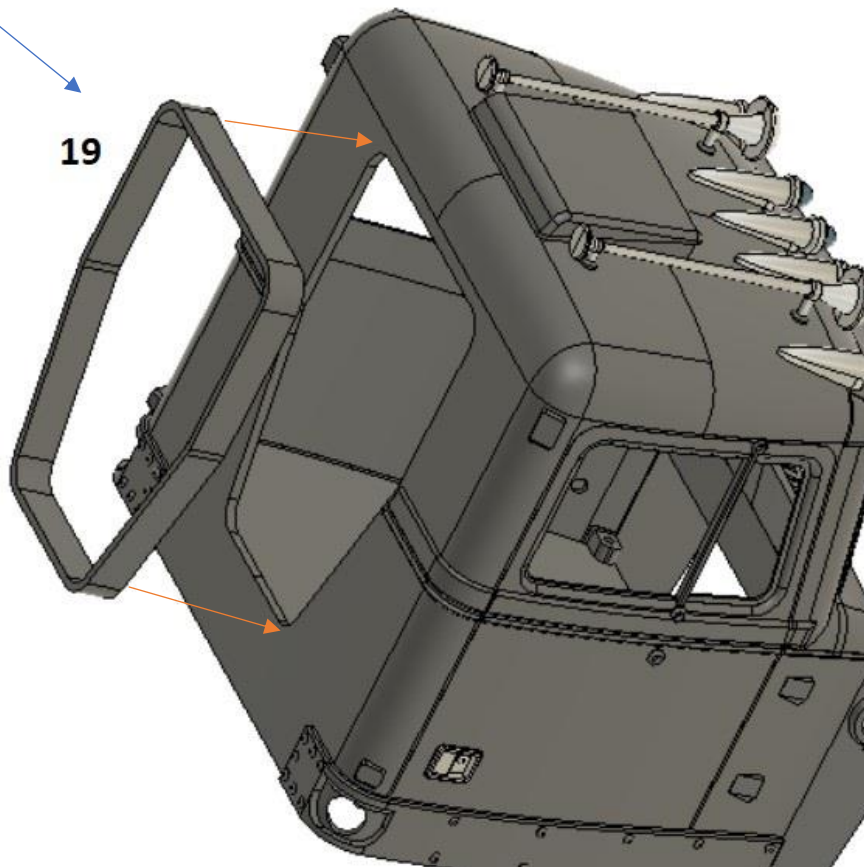
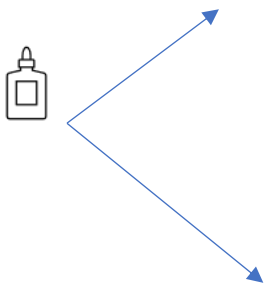
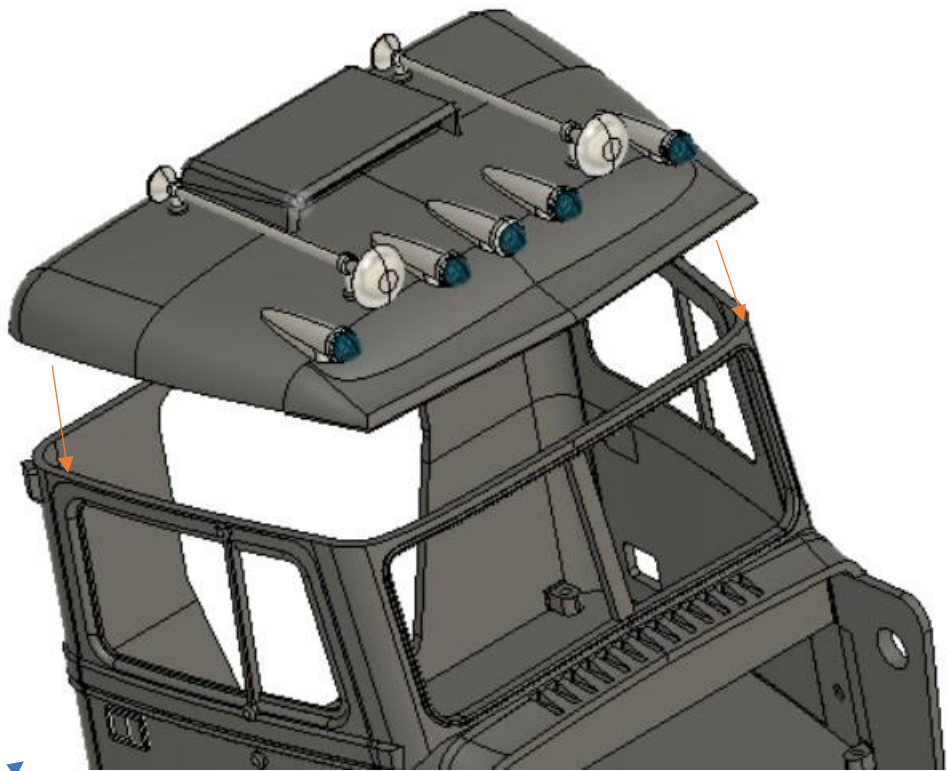


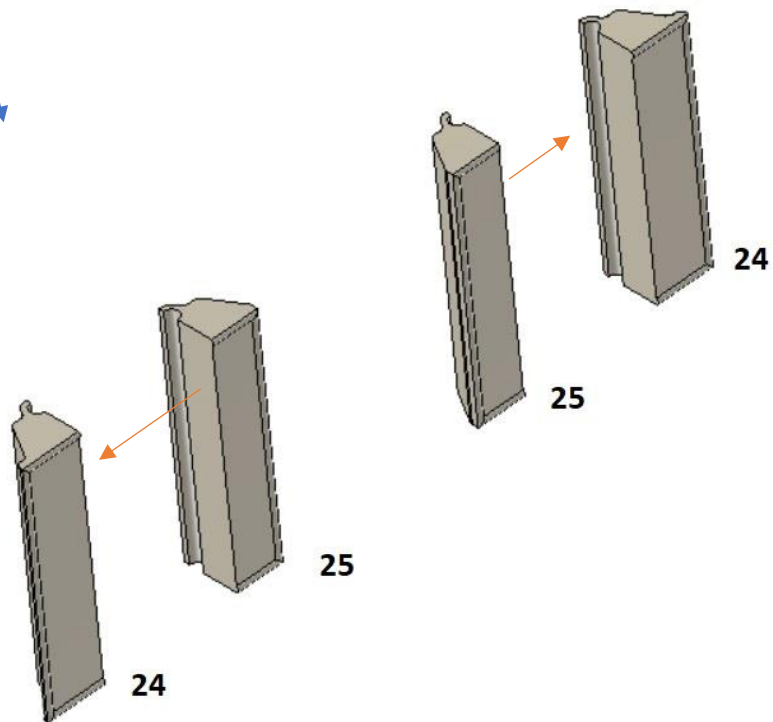
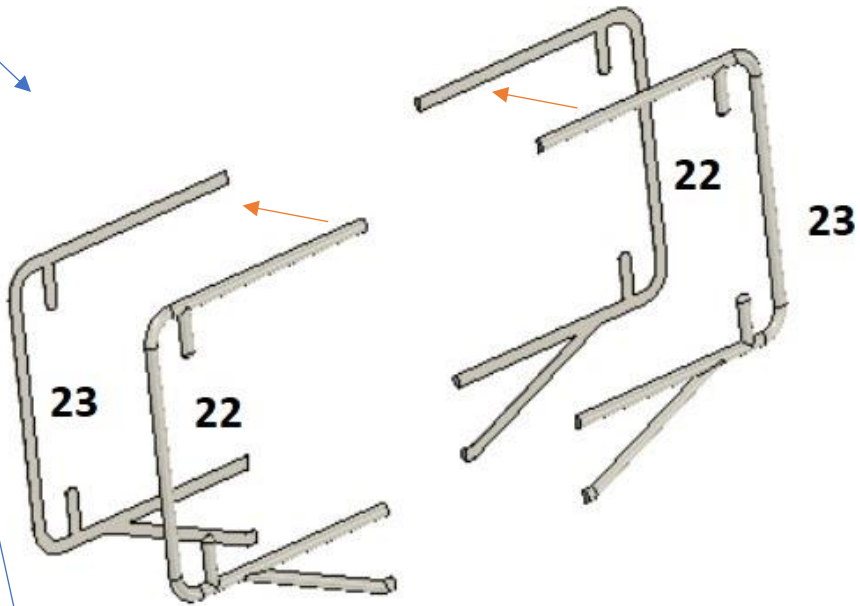
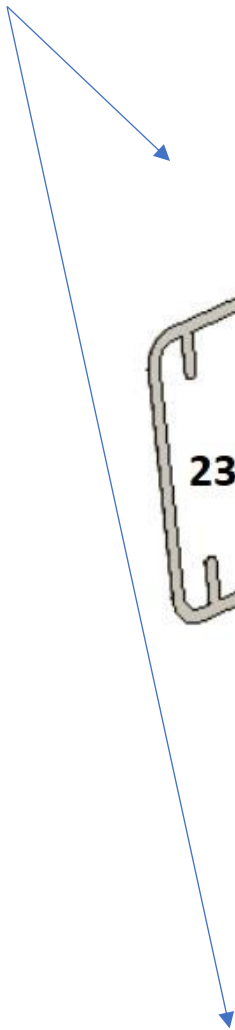
Do dílů 14 vložte 3 mm oranžové LED s připájenými vodiči, které prostrčíte otvory v dílech 12-13. Díly 14 s led vložte do dílů 12-13, měli by pevně držet i bez lepení. Pokud ne, použijte opravdu malou kapičku lepidla, aby se v případě potřeby dala LED vyměnit. Pokud nejde prostrčit vodič otvorem, odizolujte jen kladný pól nebo otvor zvětšete vrtákem.

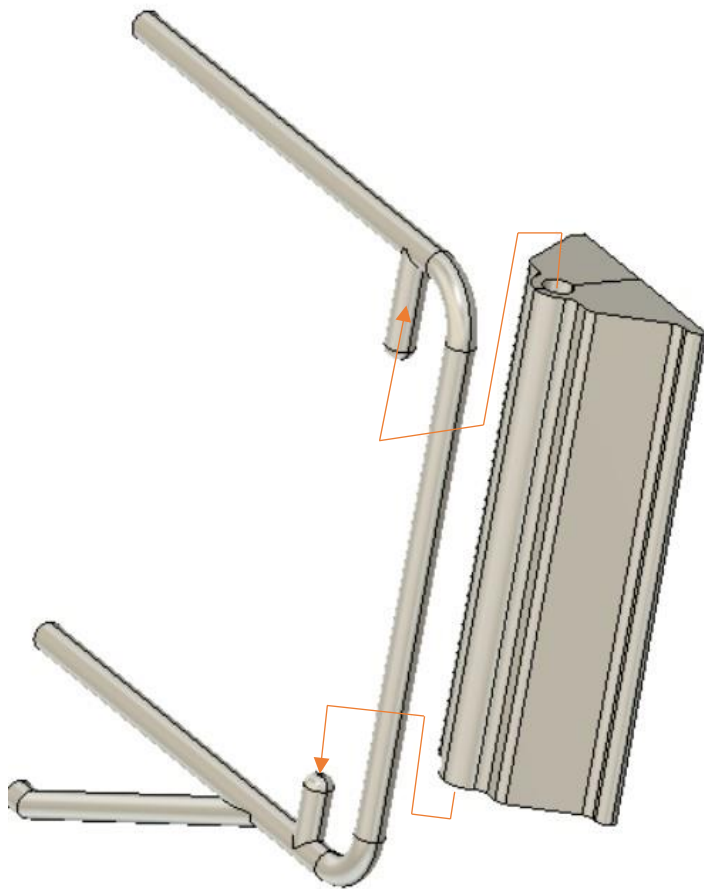
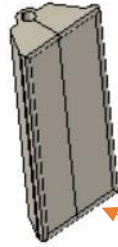
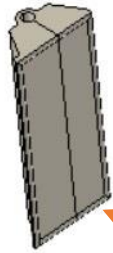
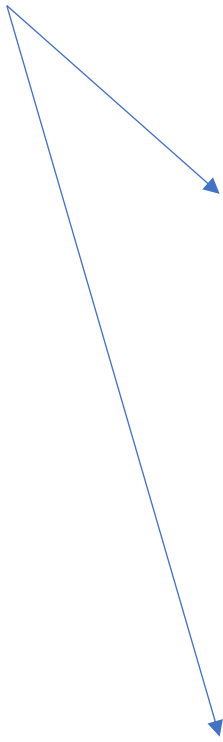


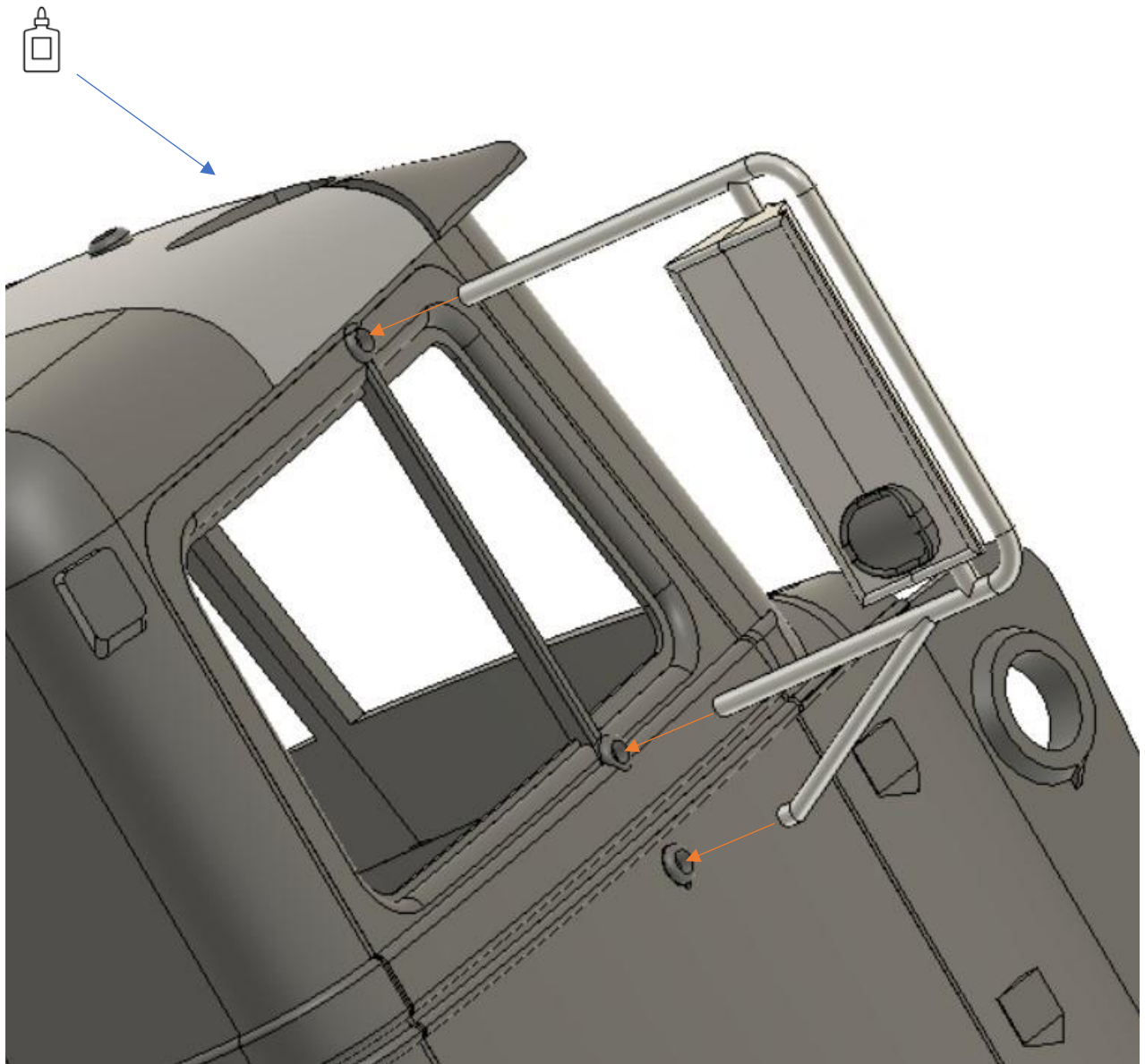






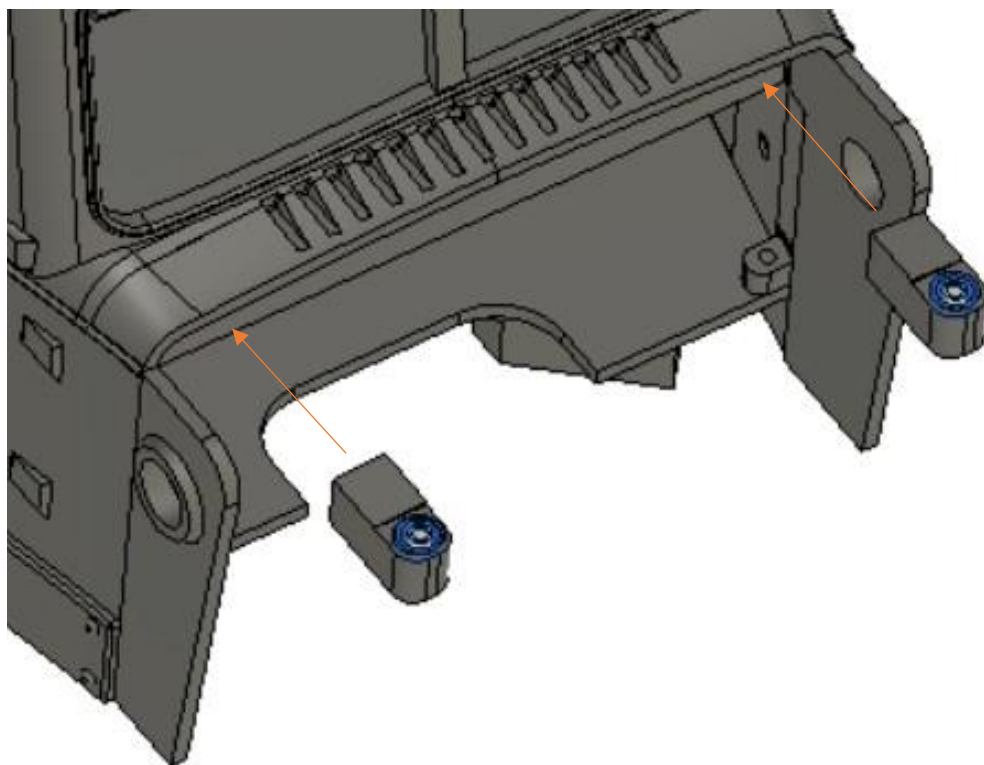
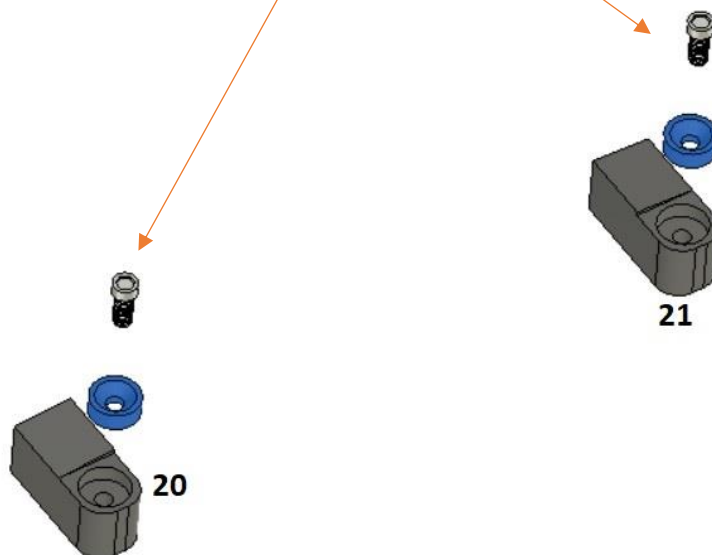


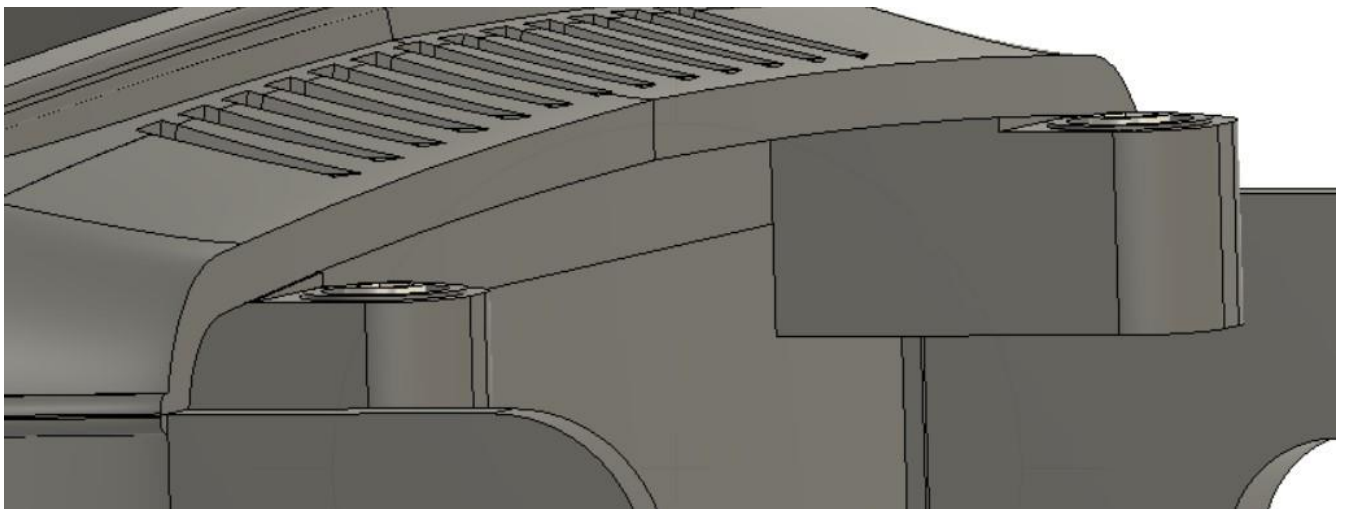
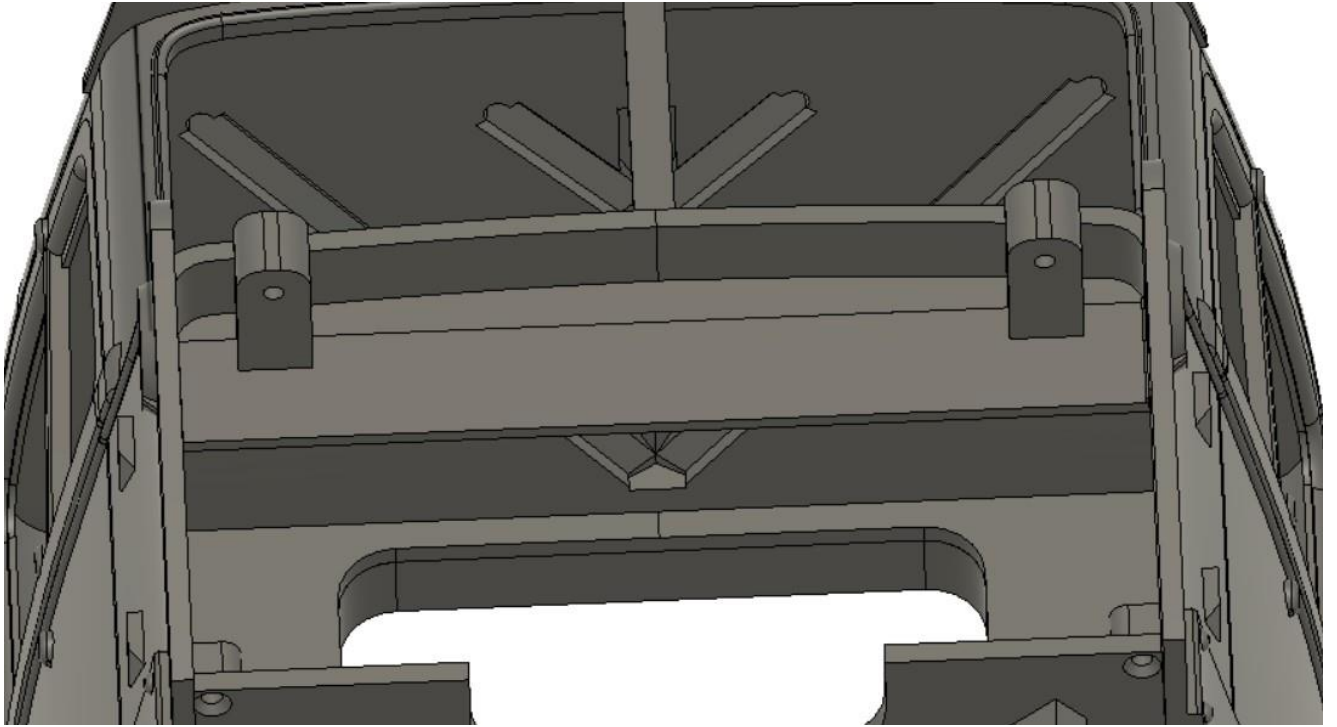




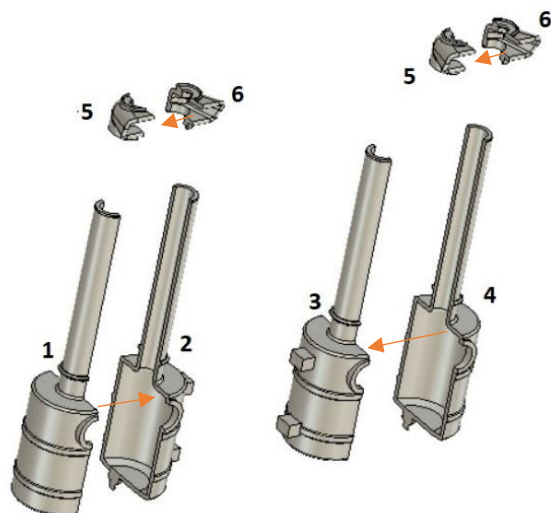
Do dílů 20 a 21 vložte magnety a zajistěte šrouby se zápusťnou hlavou.

M3x10

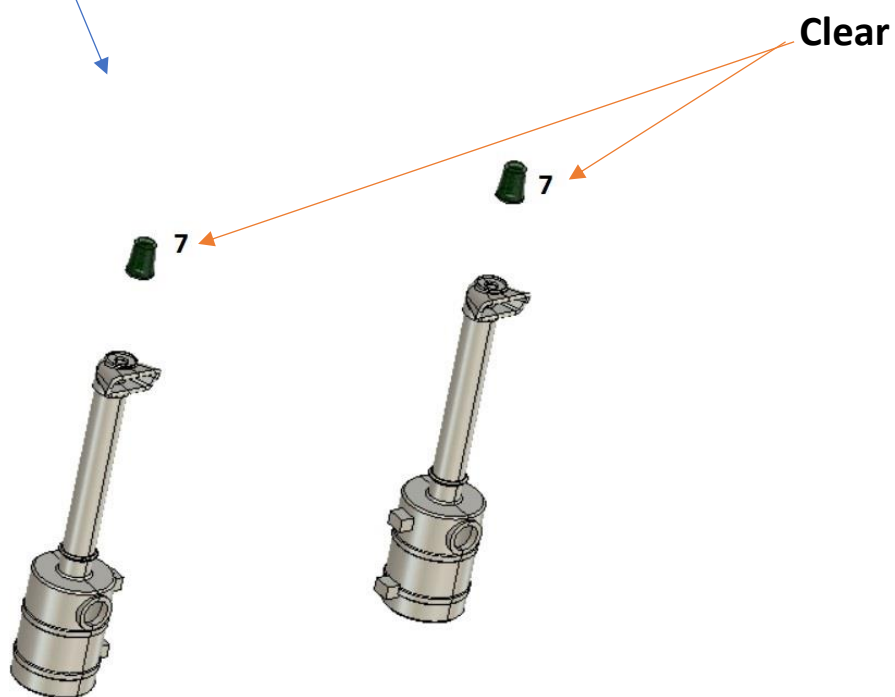


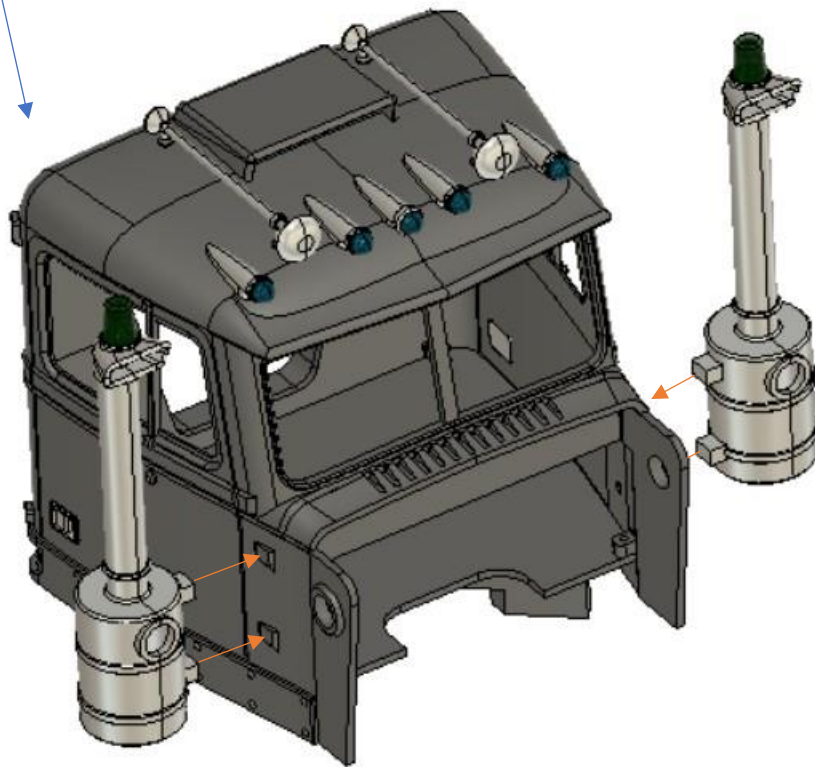
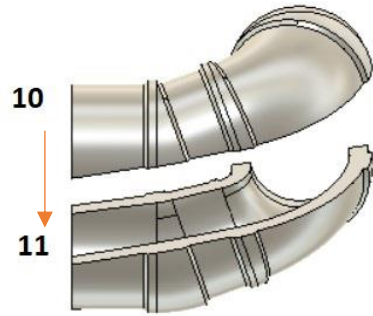
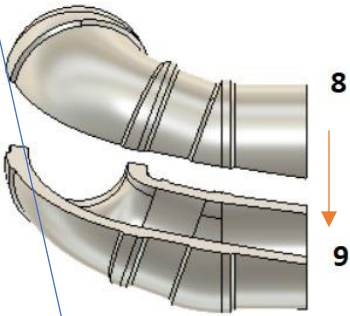
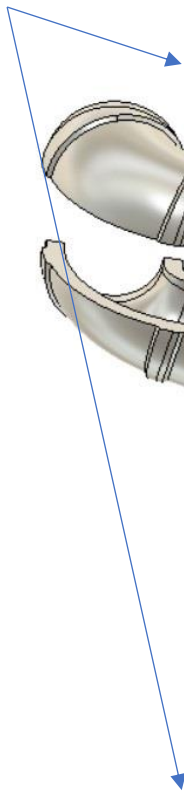


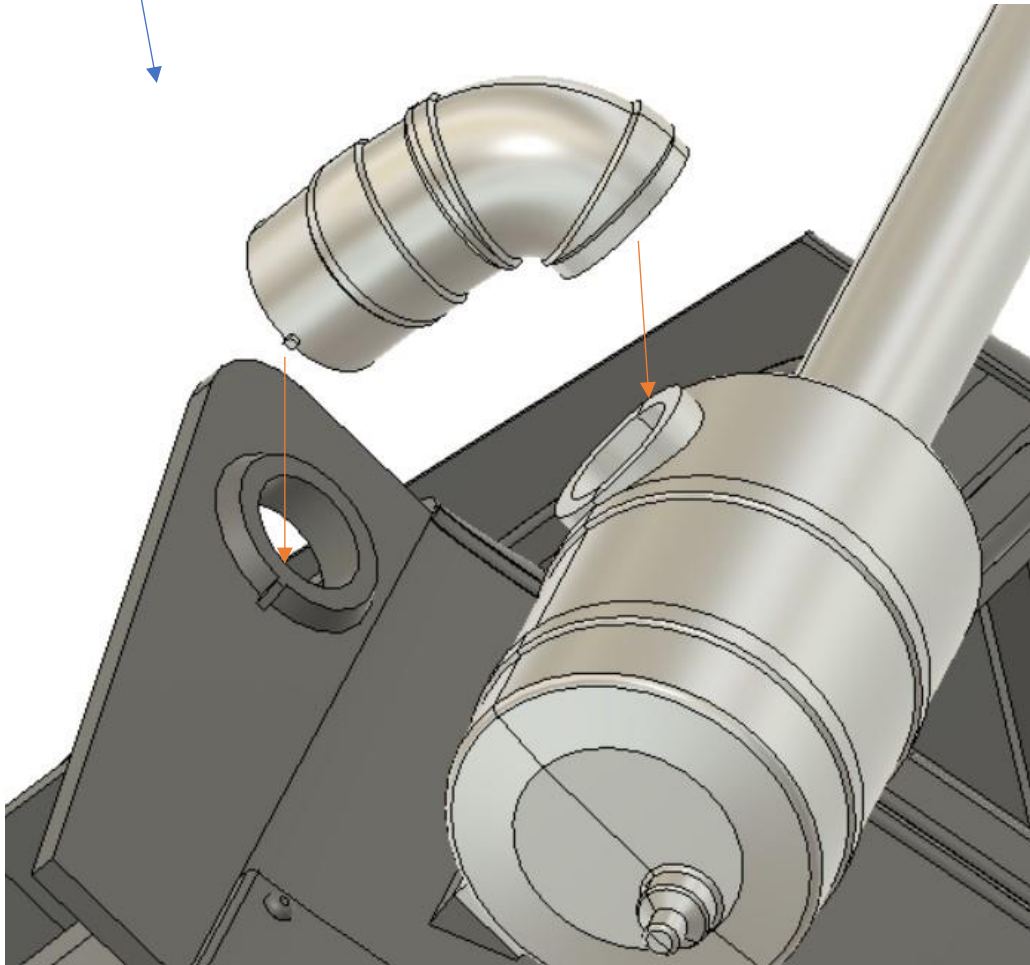
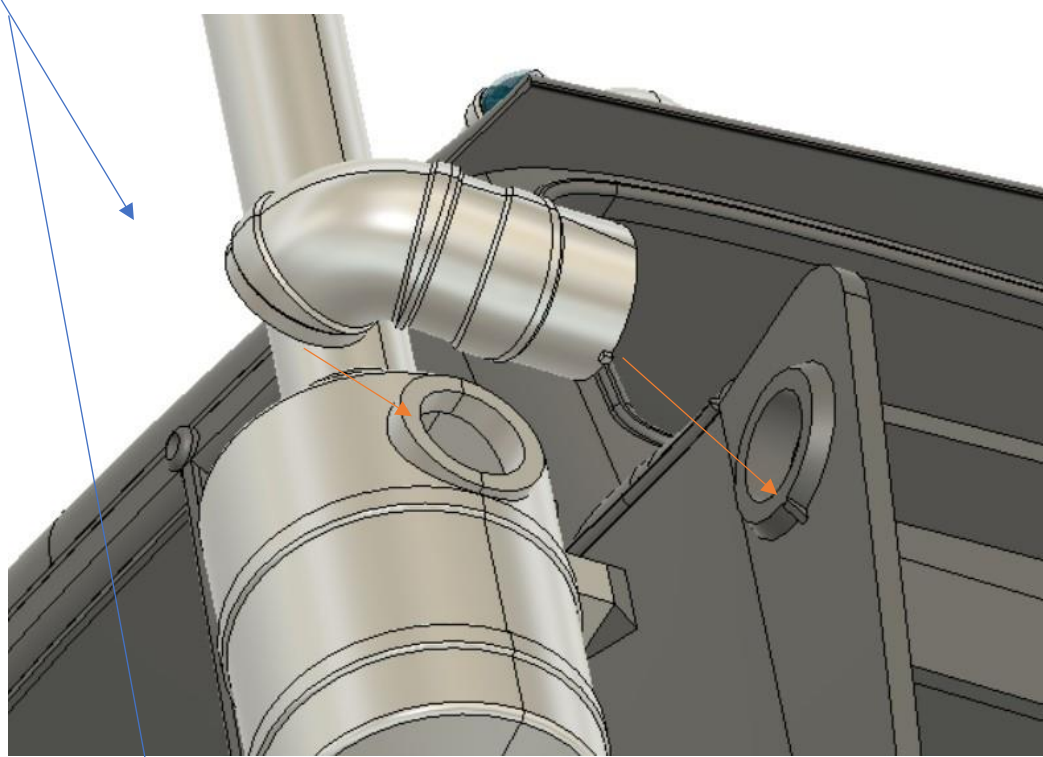
Sání



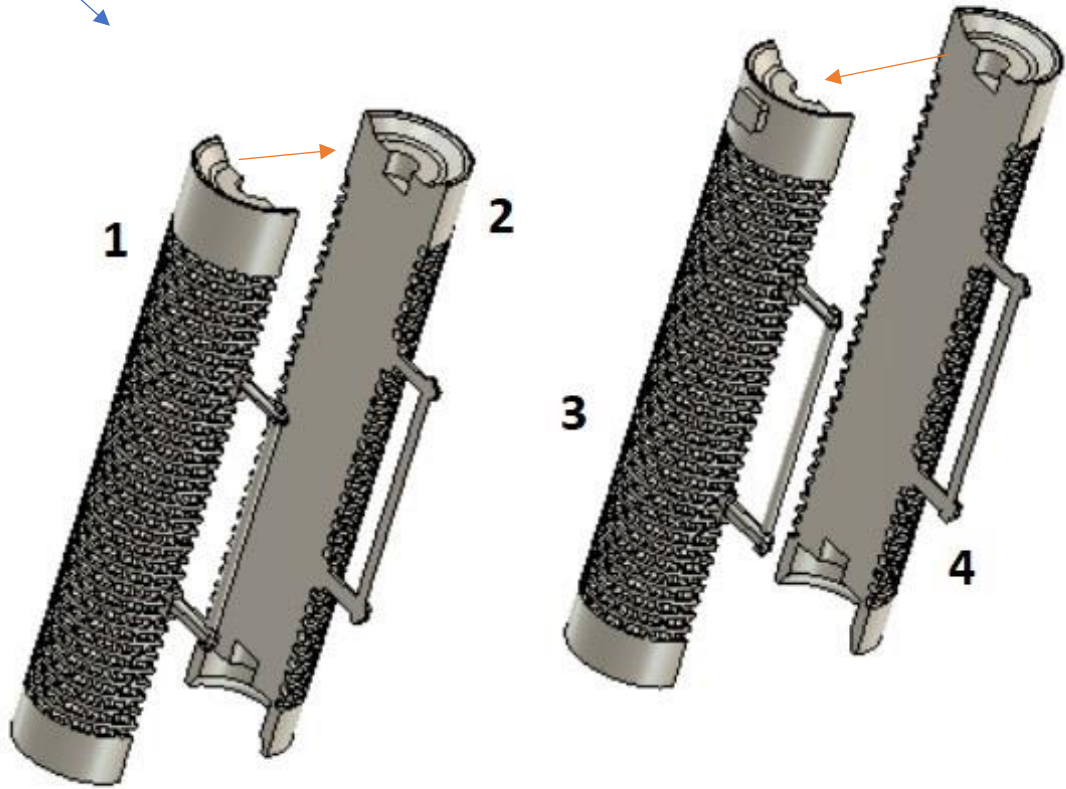
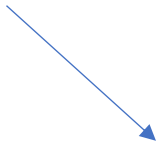
Do dílů 17 vložte 5 mm oranžové led a vodiče protáhněte otvorem
v dílech 1-2 a 3-4

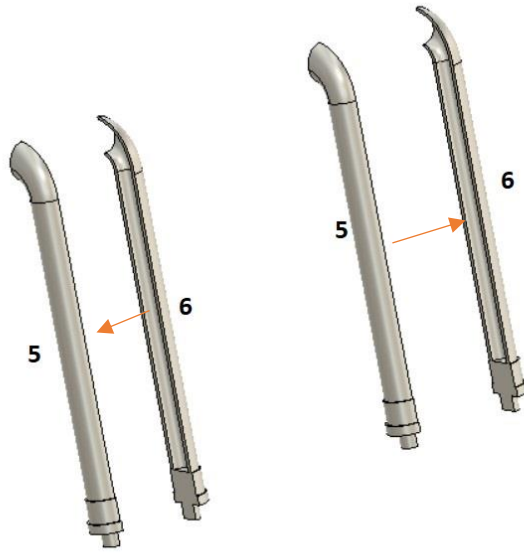
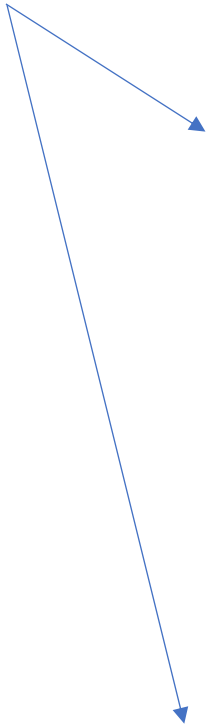


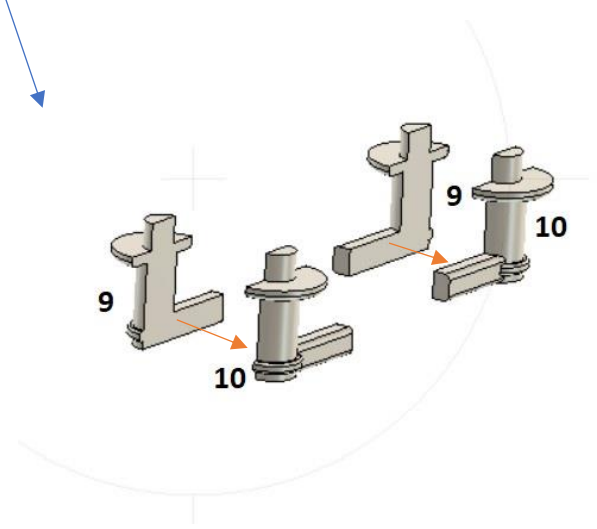
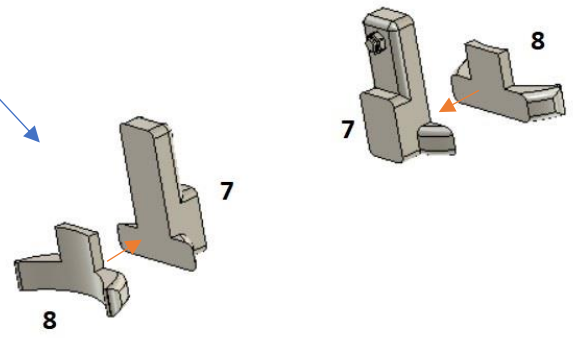
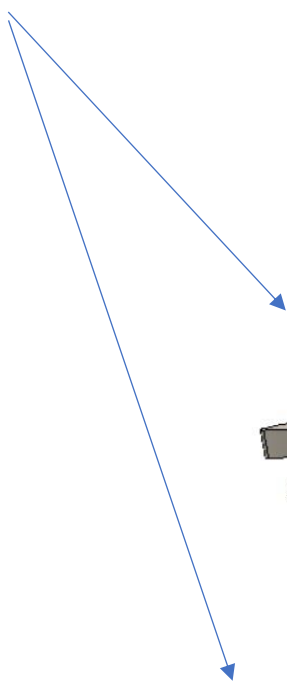
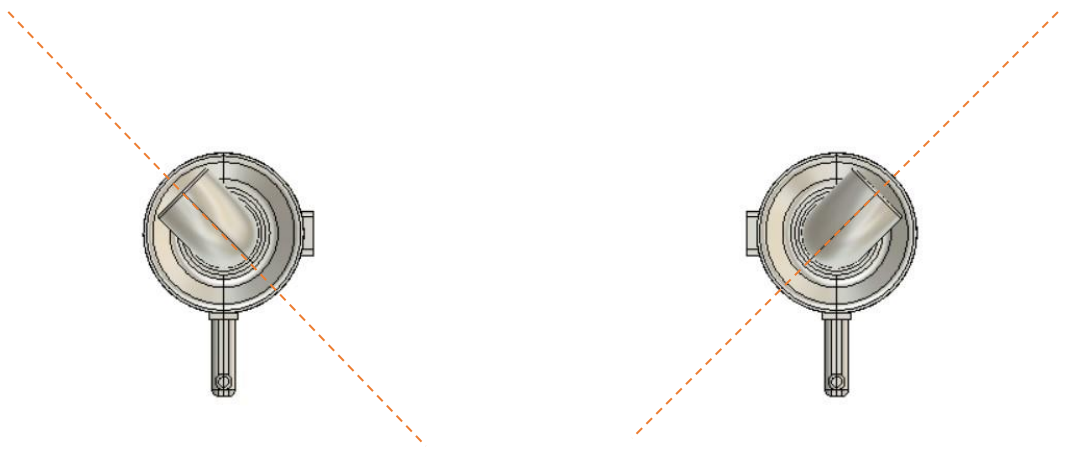


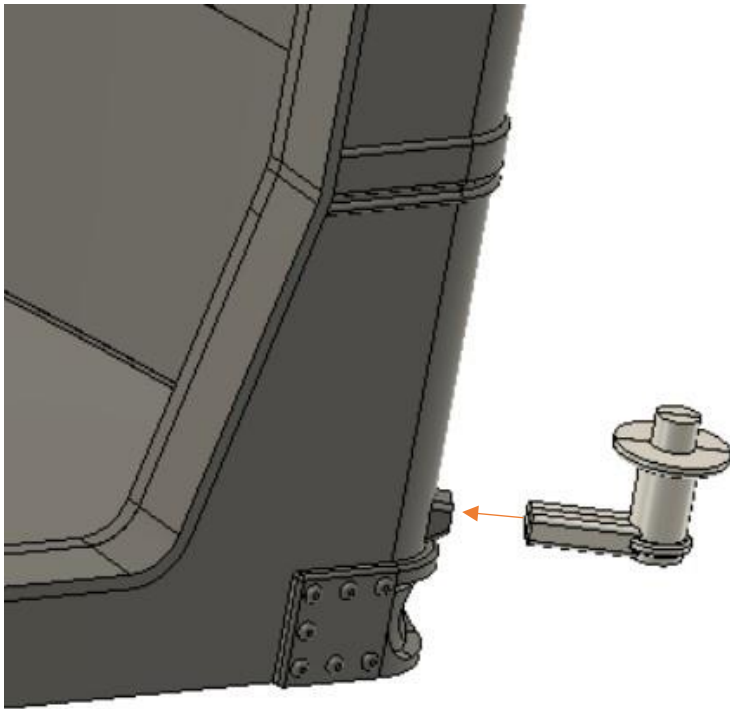
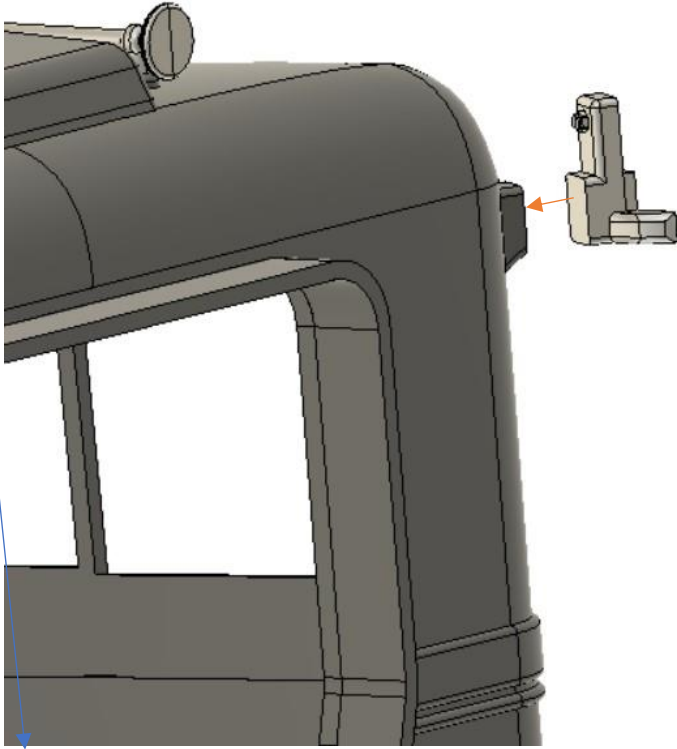
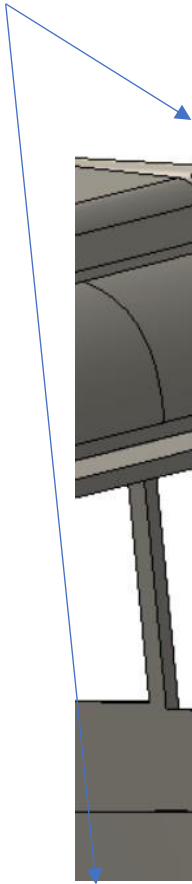


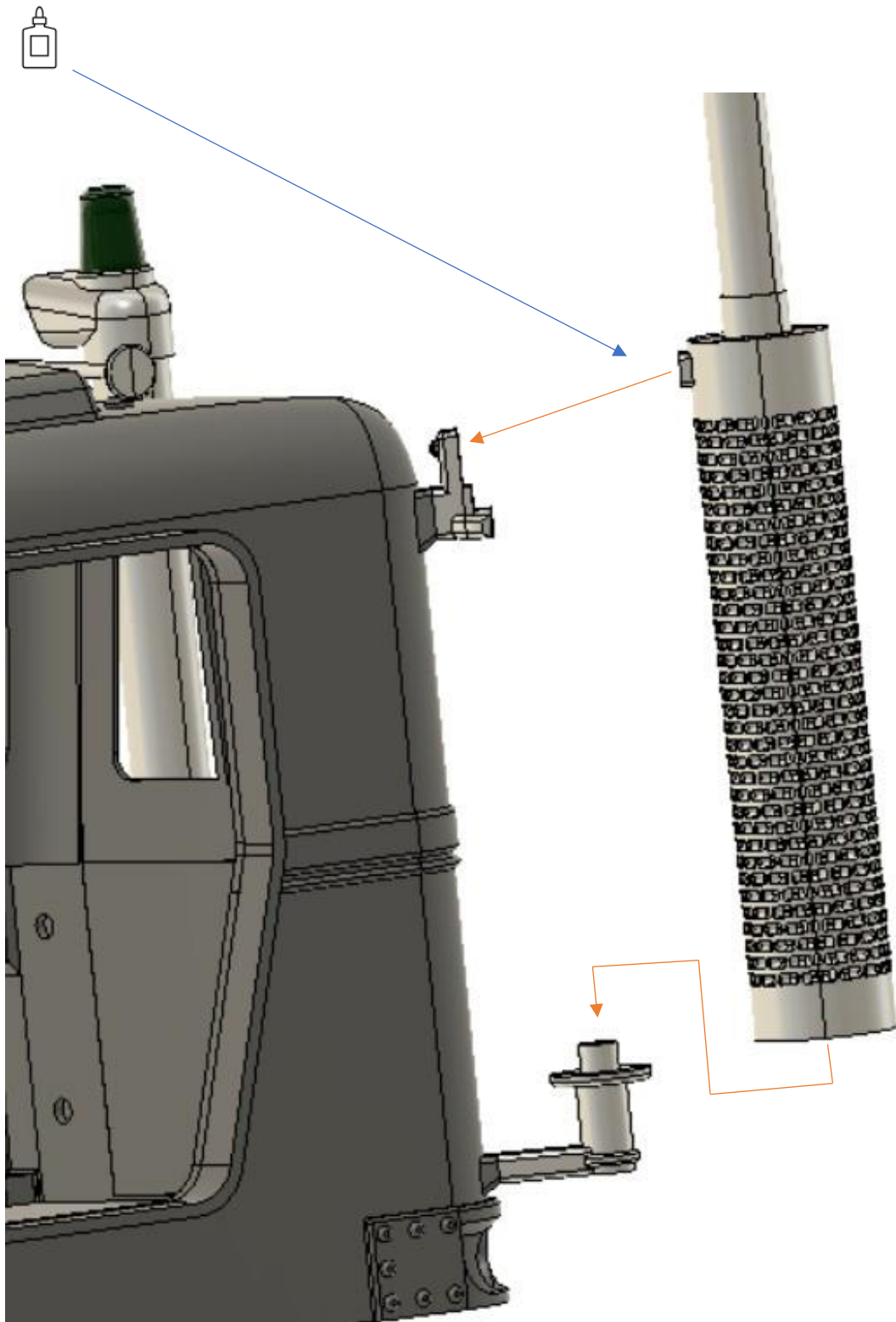
Výfuk

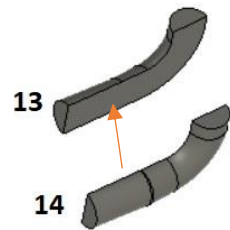
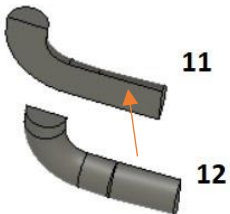
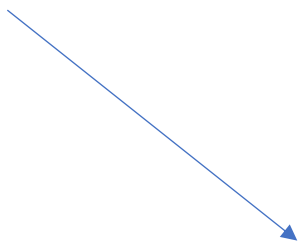
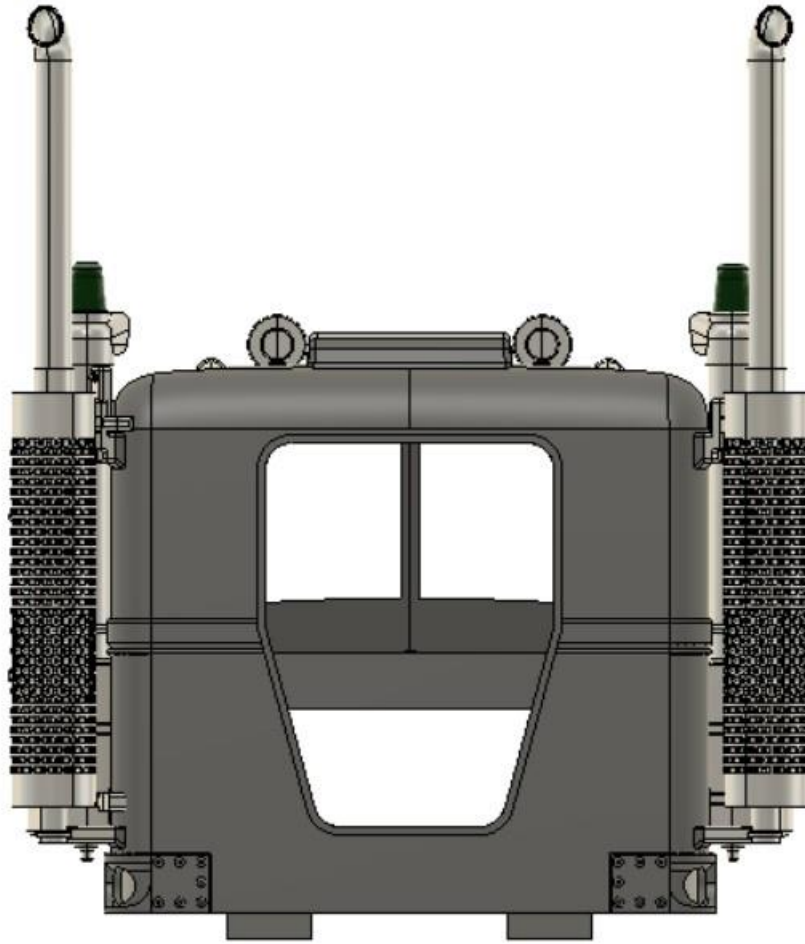


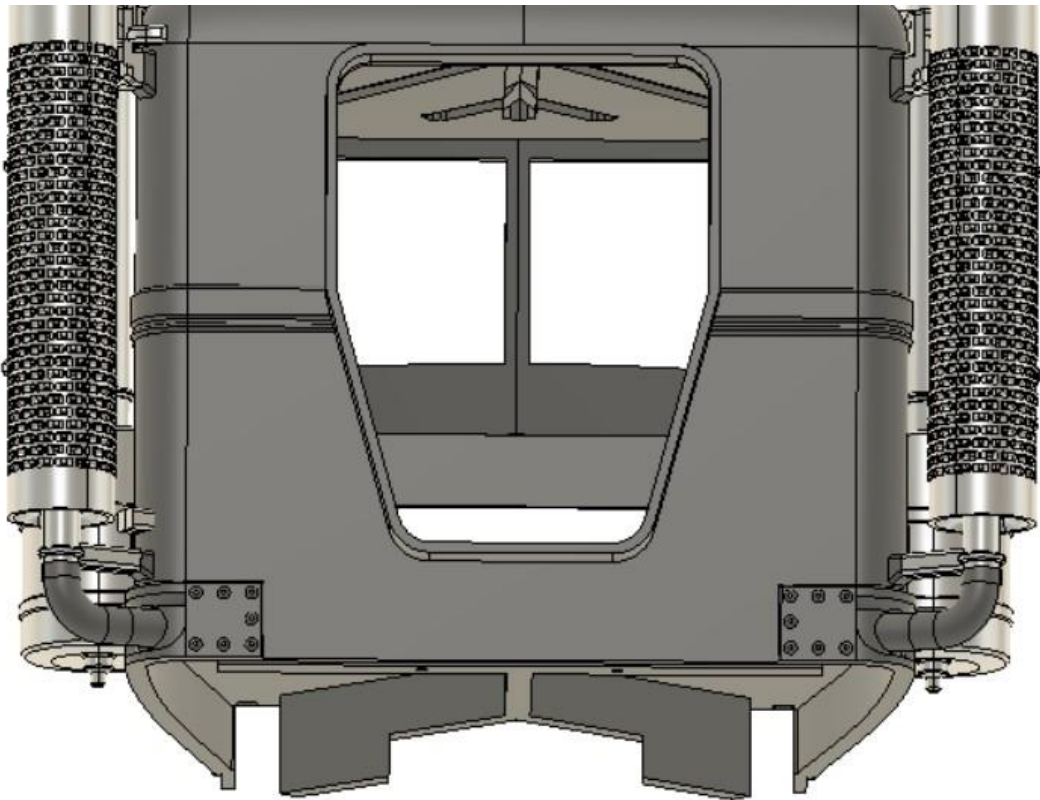
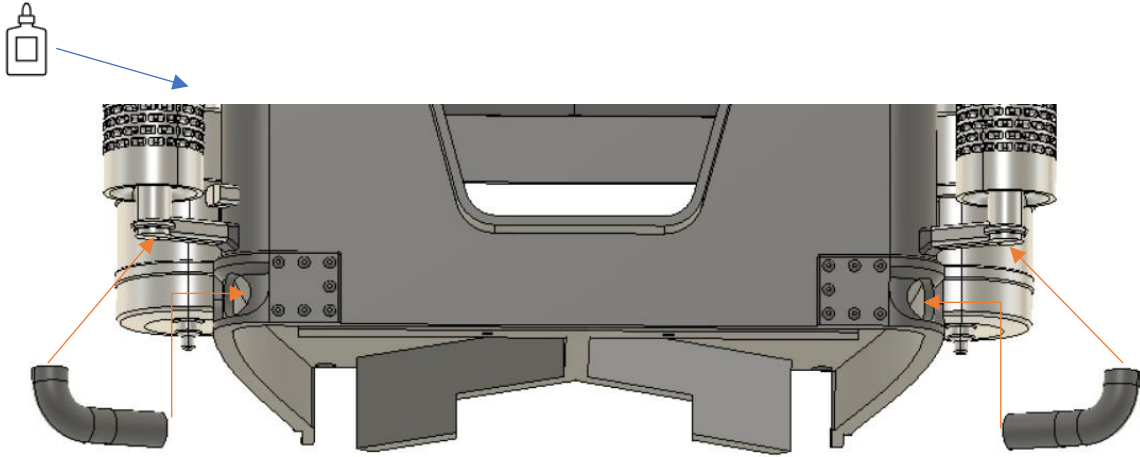




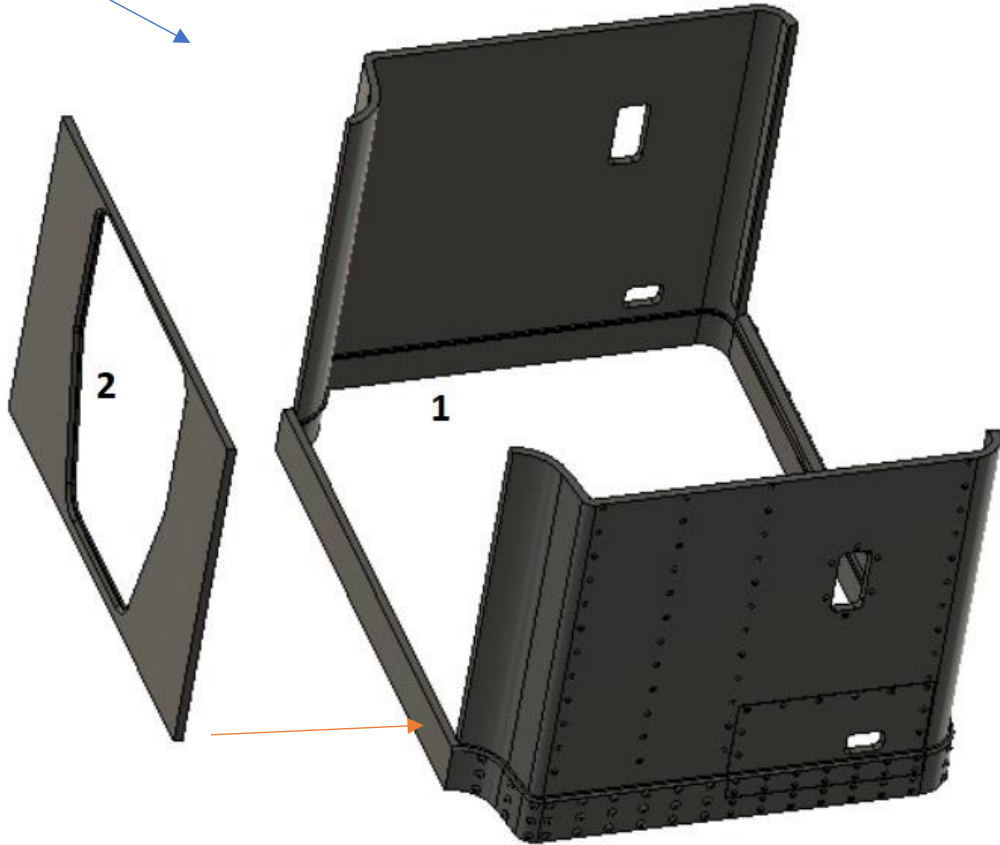
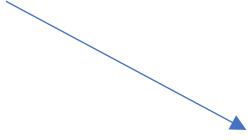


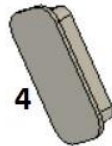
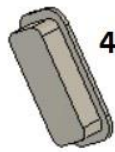
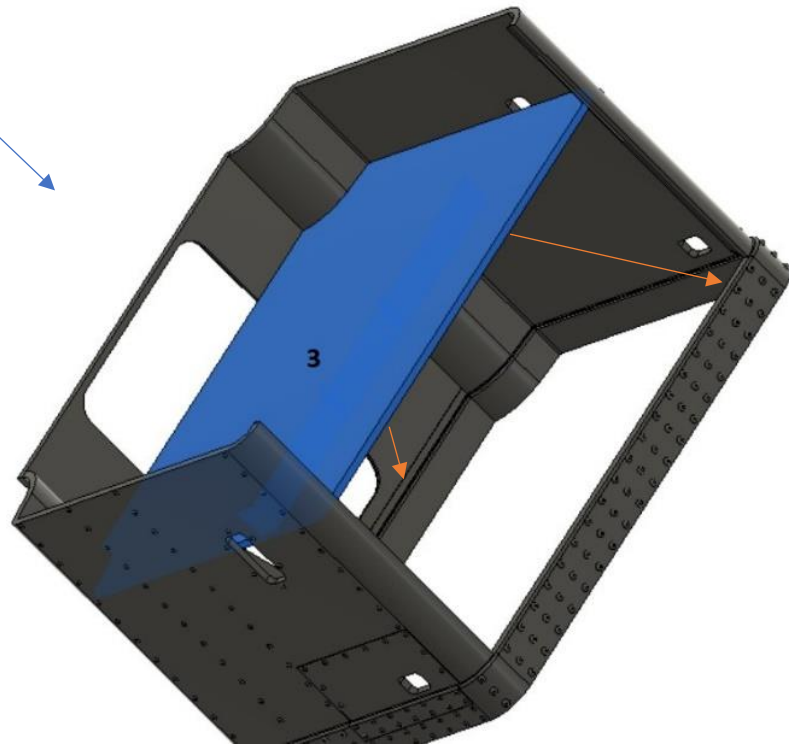
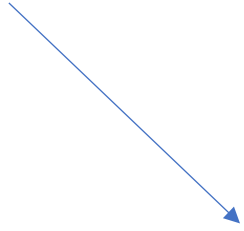


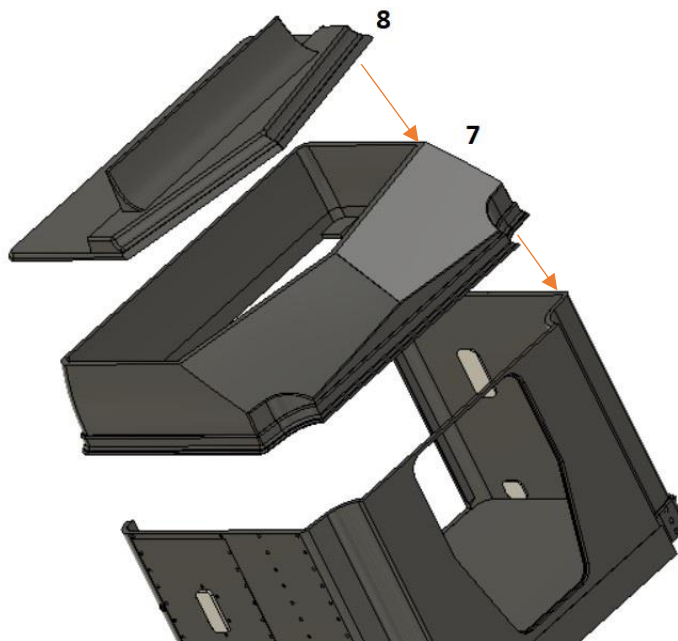
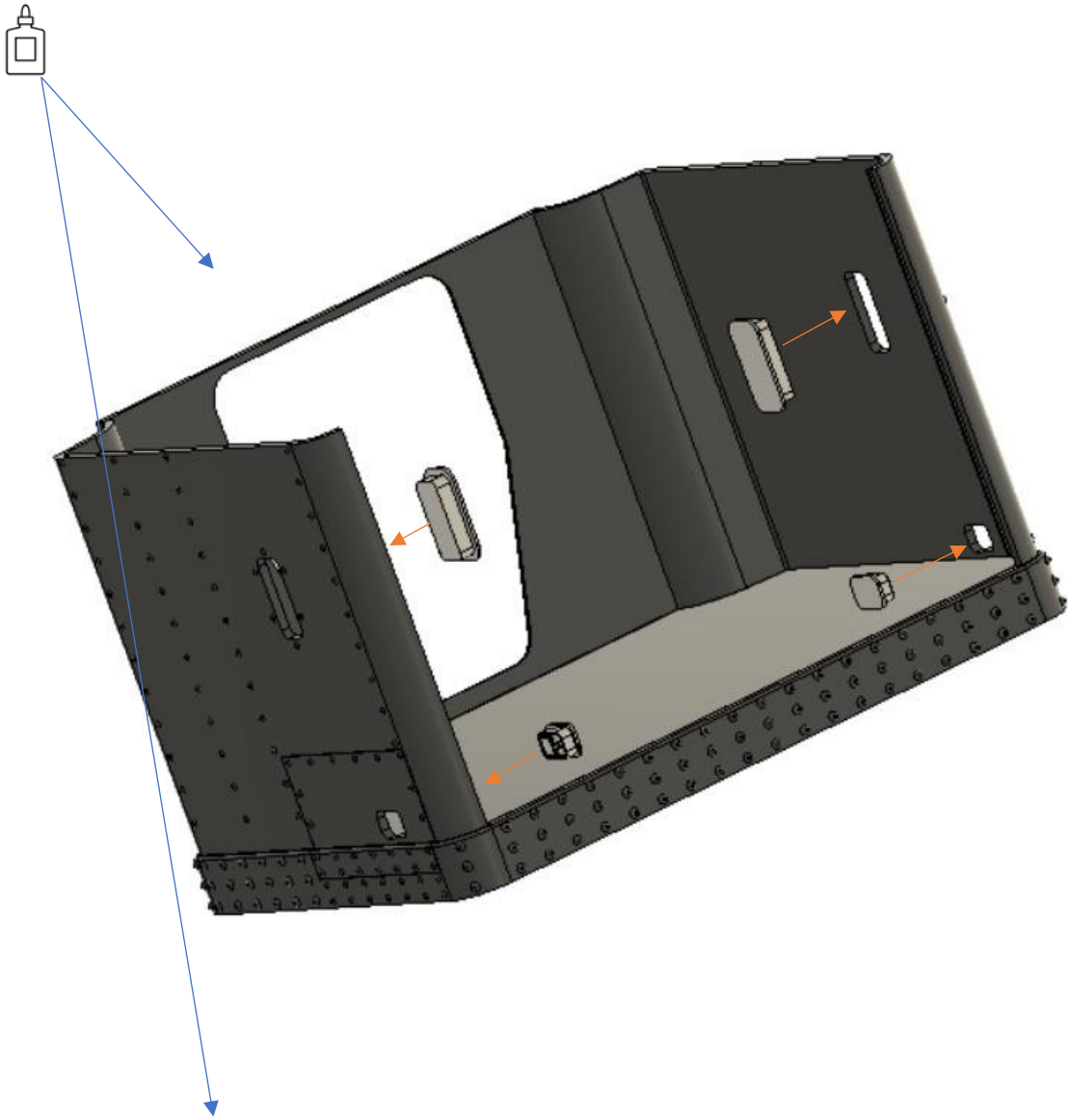


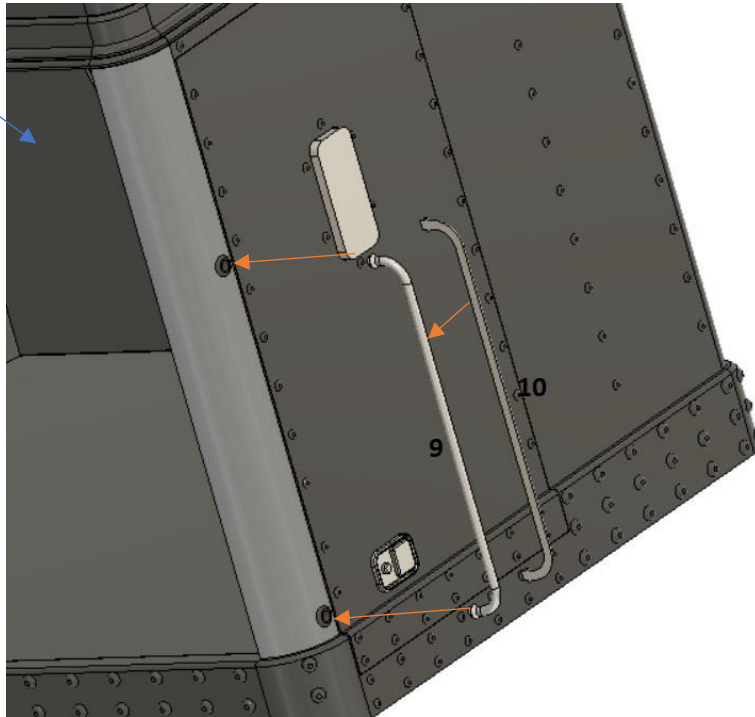


Kabina 2





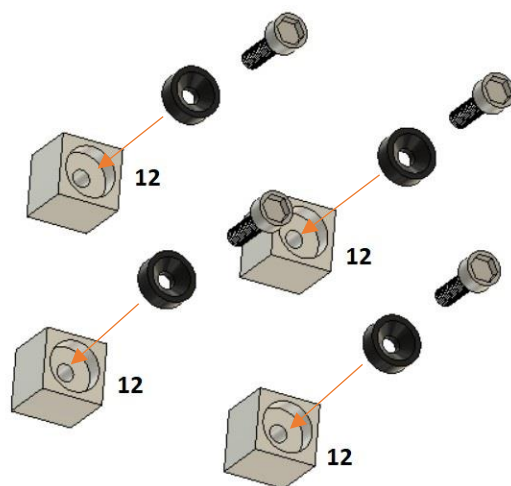




Na madlo dílu 11 použijte 2 mm drát, nejlépe mosazný a vlepíte ho do otvorů.

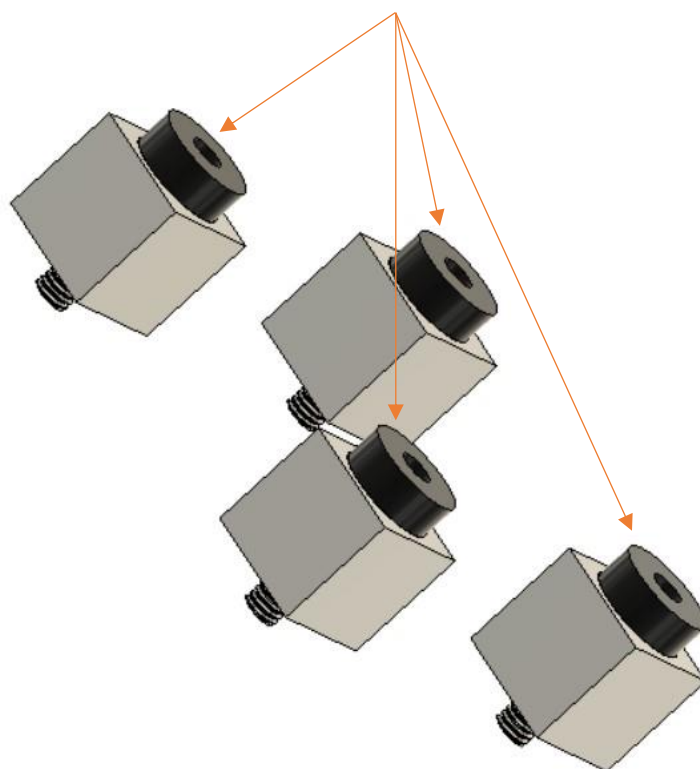


Do dílů 12 vložte magnety a zajistěte šrouby se zápustnou hlavou.



..

Na magnety dejte jejich protikusy.



Nyní na takhle připravené díly naneste lepidlo a vložte je do kabiny (nejprve 2 spodní) na místa zobrazená v následujícím obrázku přiklopte dílem 11.

Otvorem v kabině prostrčte ruku a vymezte díly s magnetem

Díl 11 musí přesně sedět s okrajem.

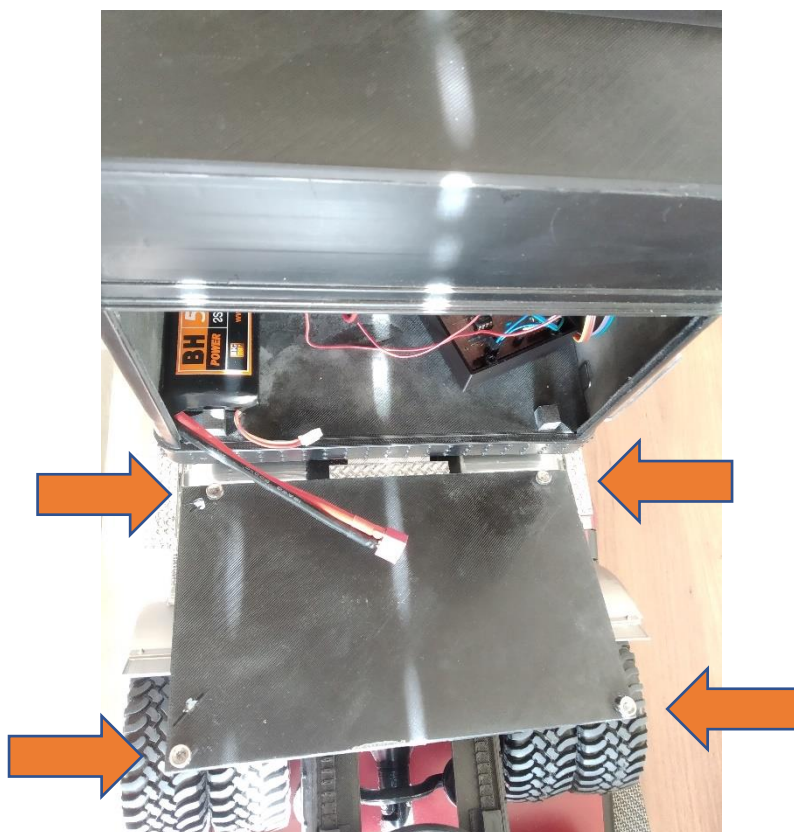


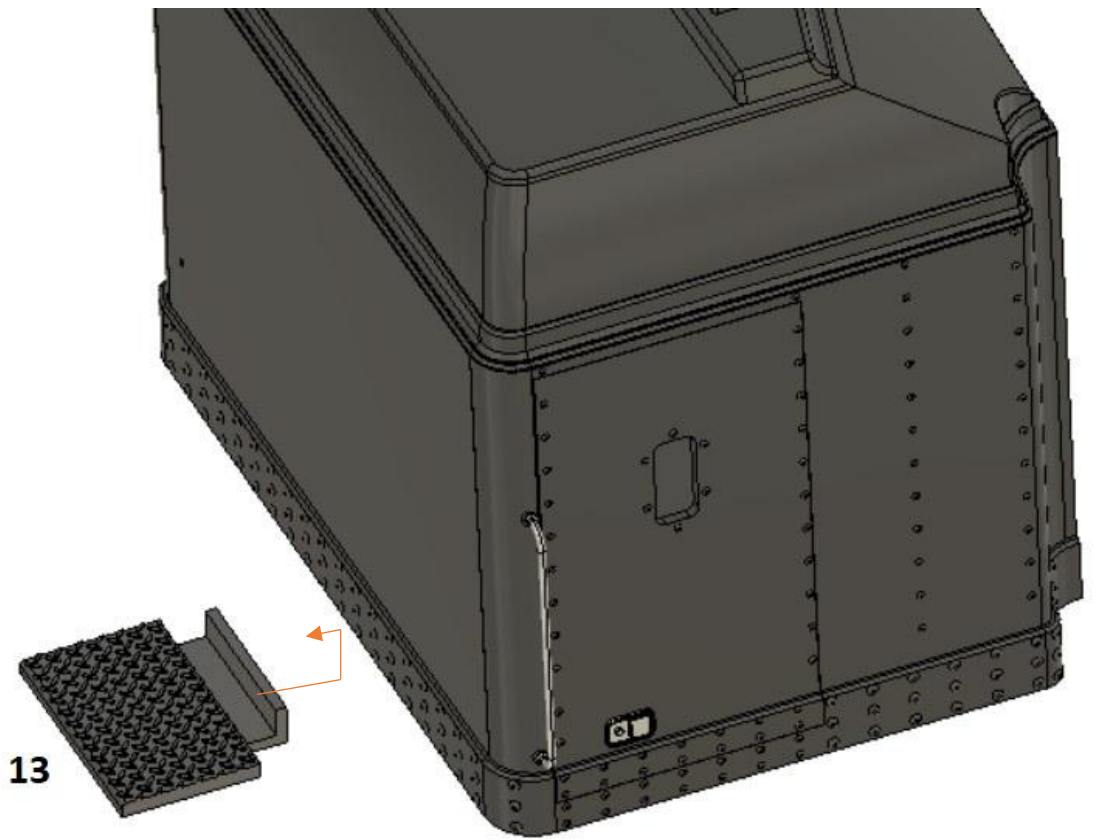


Stejný postup opakujte u vrchních dílů.

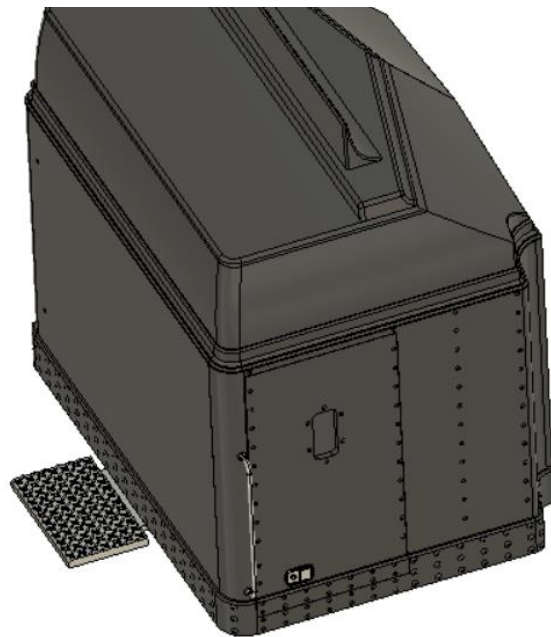
Následně naneste dostatečné množství lepidla na protikusy magnetů a přiklopte dílem 11.

Nezapomeňte použít aktivátor. Po zaschnutí lepidla sejměte díl 11 a zkontrolujte pevnost lepeného spoje.

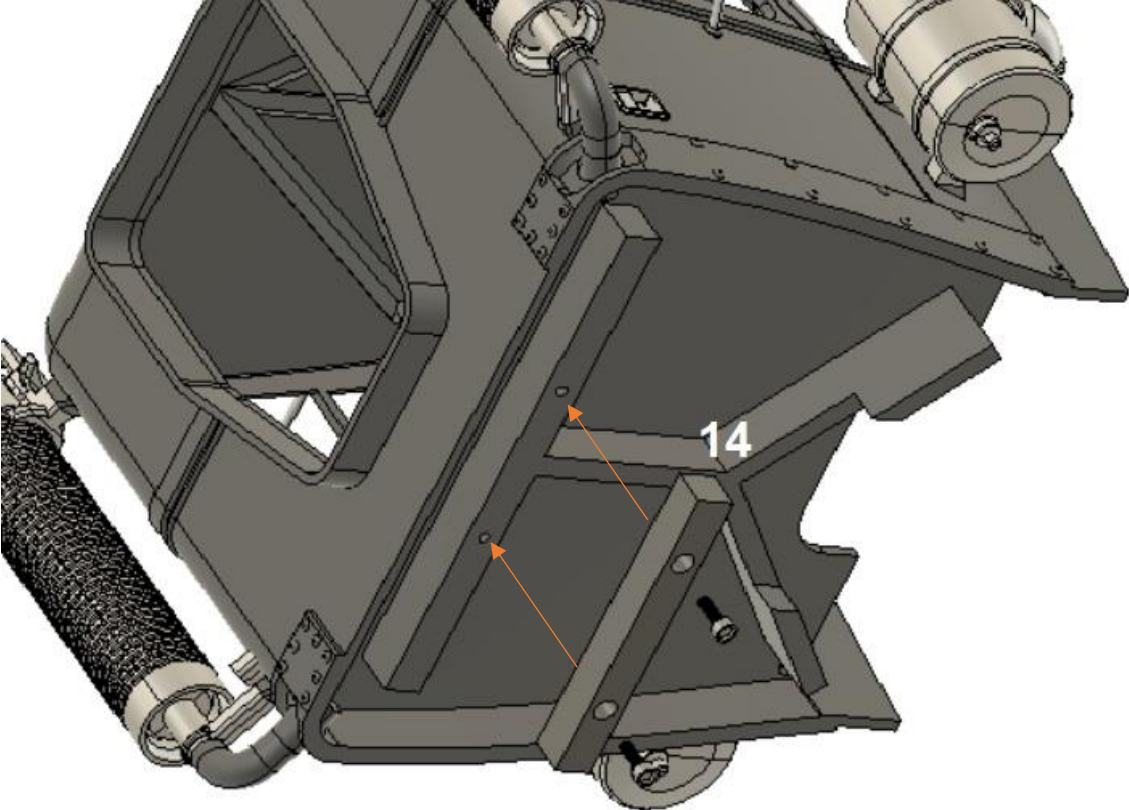
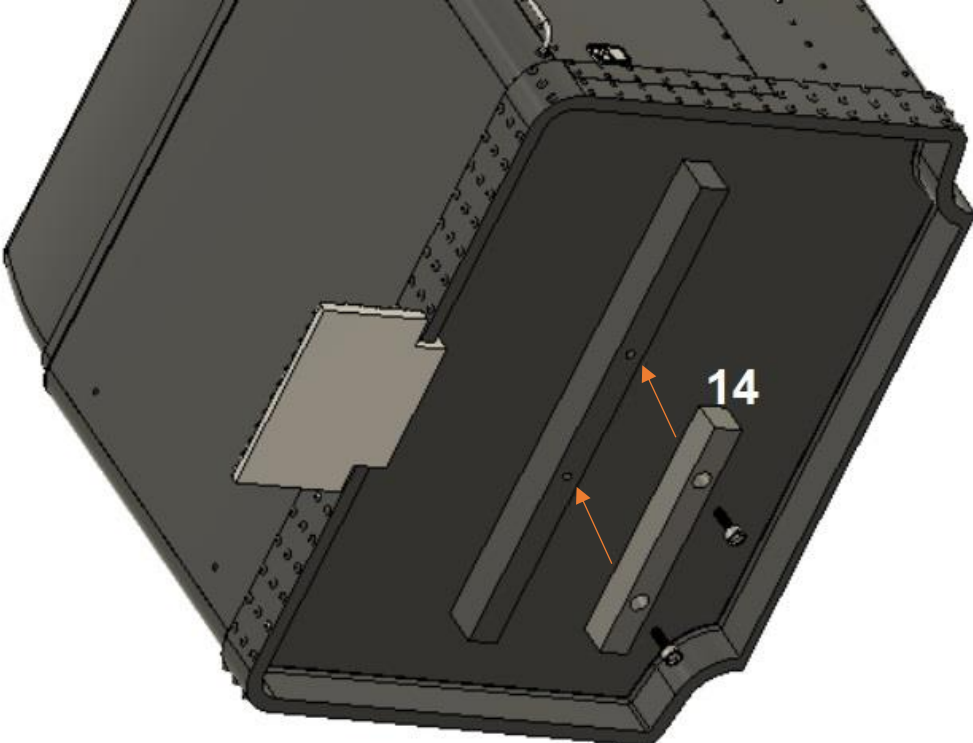


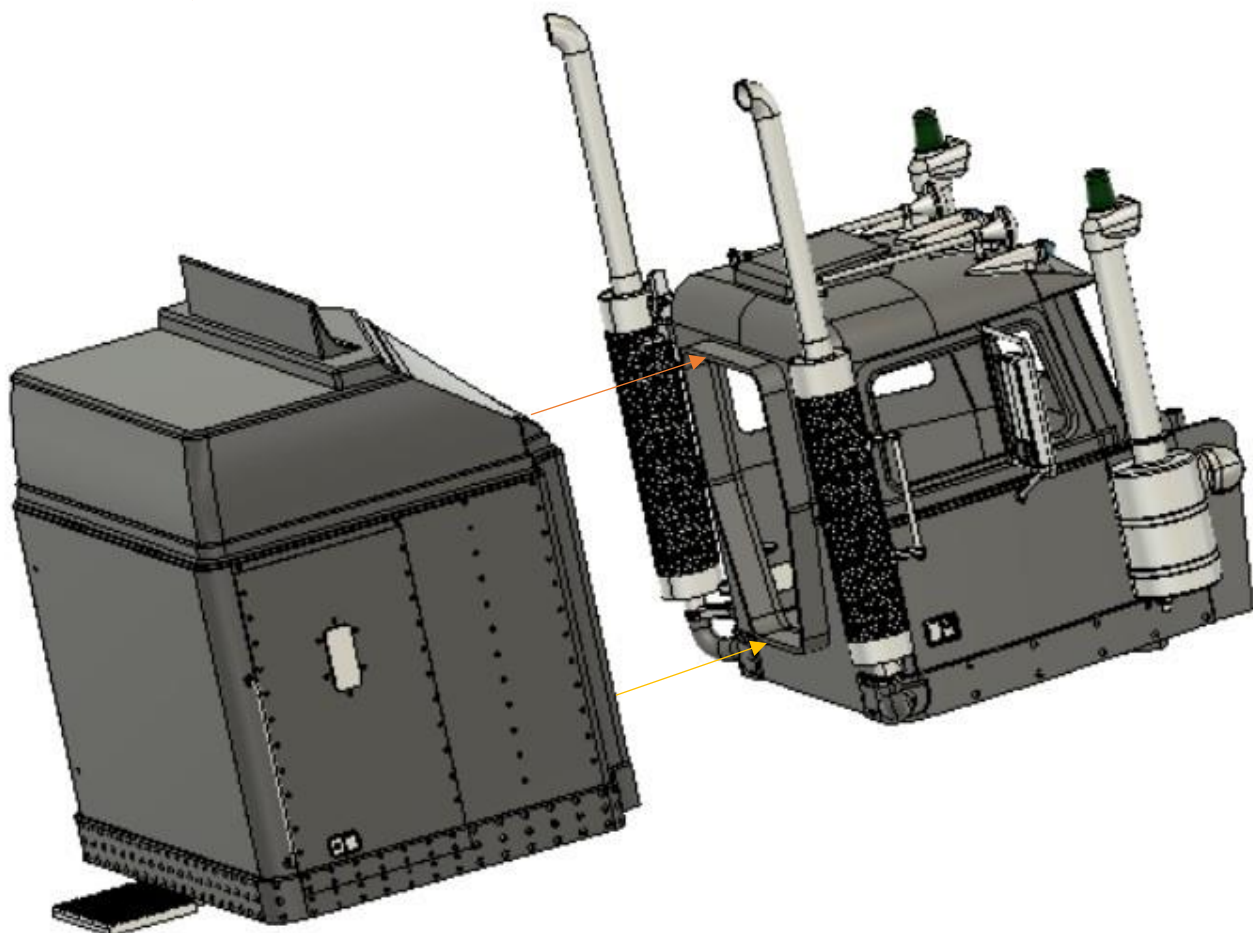
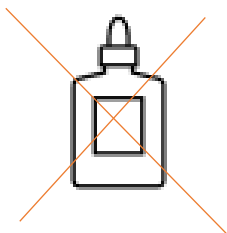


13



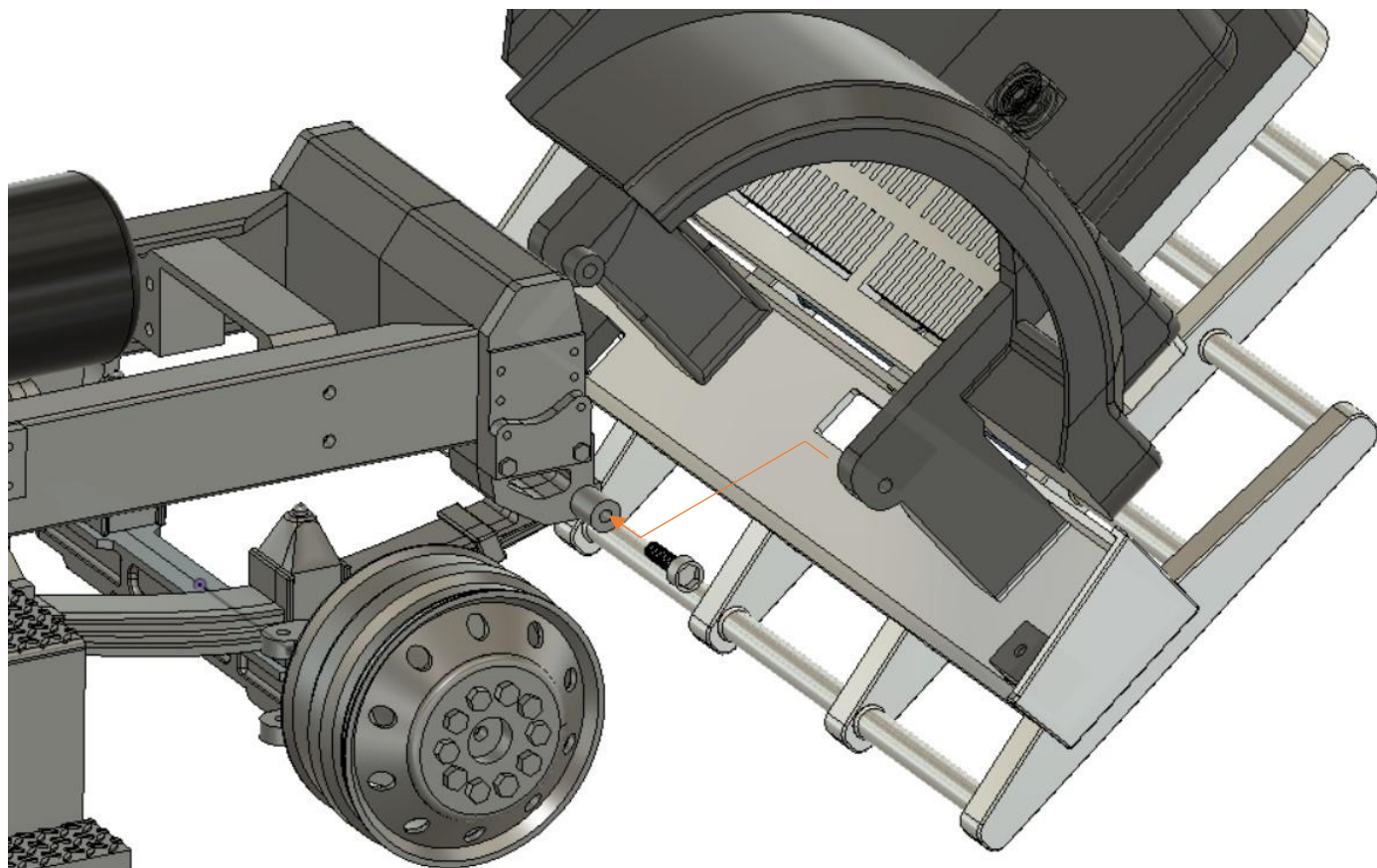
M3x10





Neslepovat k sobě!!!
Jen do sebe zasunout.

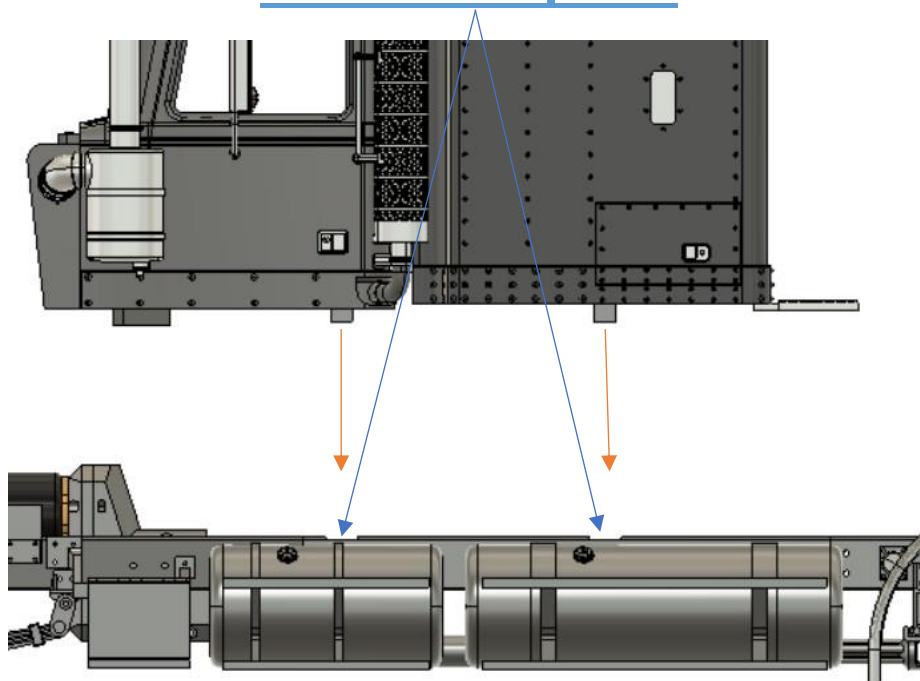
M3x20



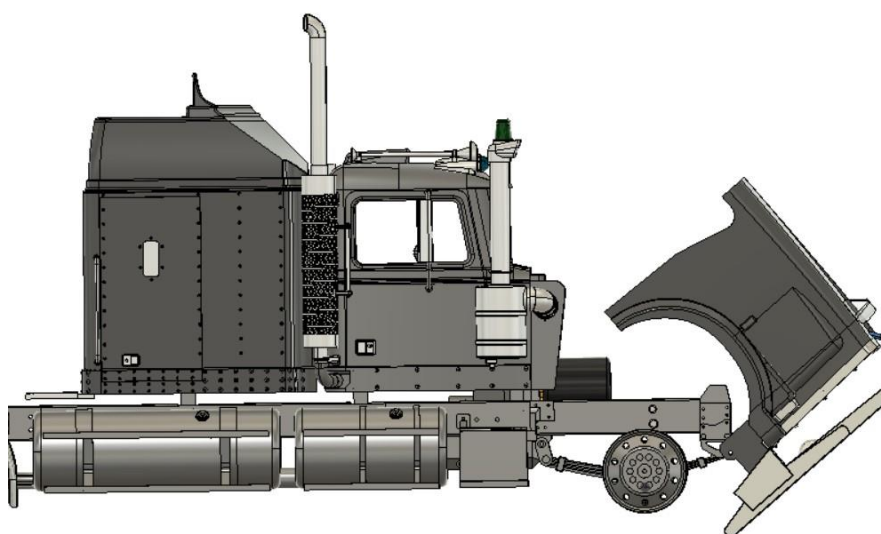
Šrouby dotáhnout tak, aby se kapota mohla volně vyklápět.

Následující kroky provedte rychle ale pečlivě.
Je dobré na označená místa nanést větší množství lepidla pro pomalejší schnutí.

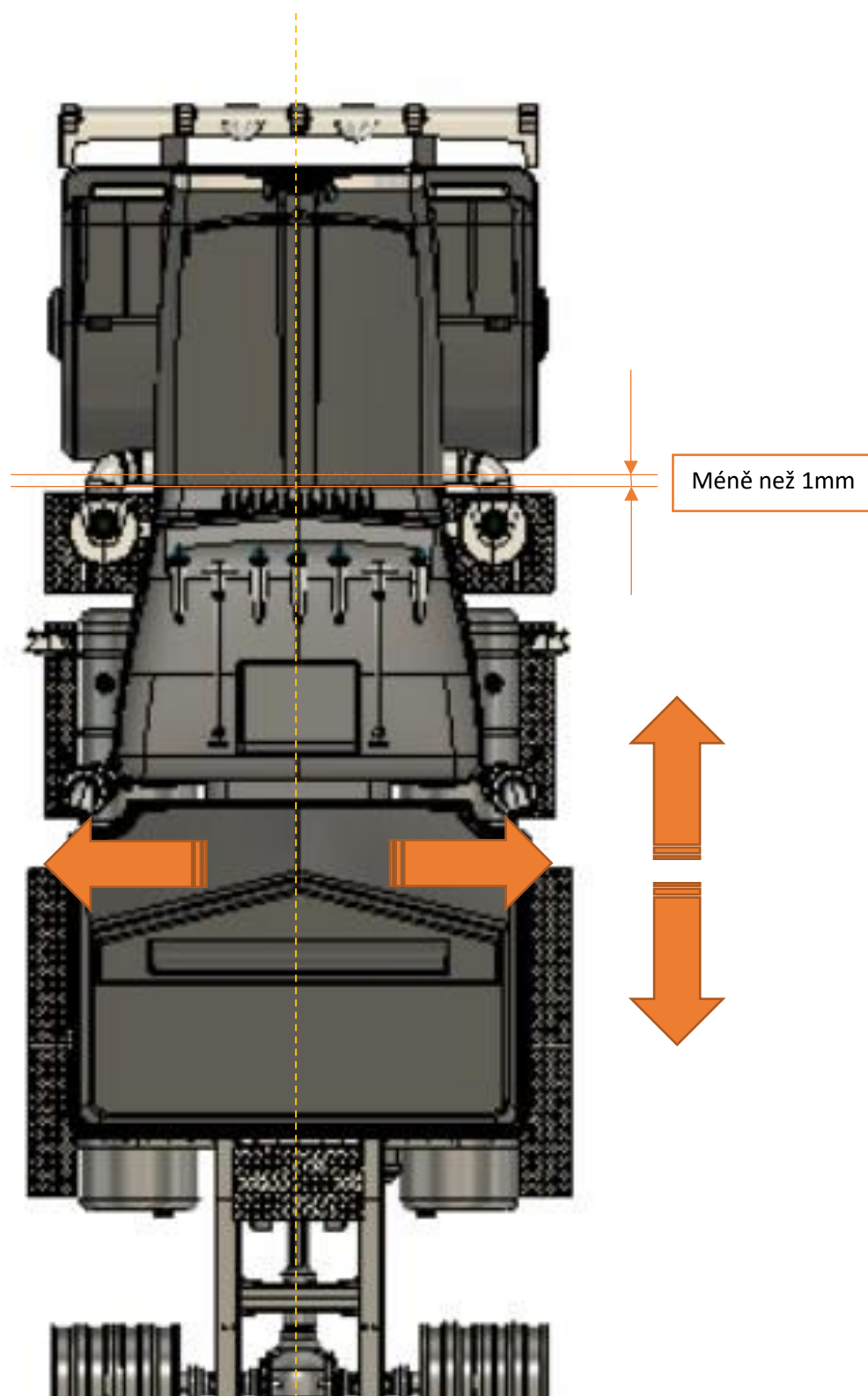
Naneste lepidlo

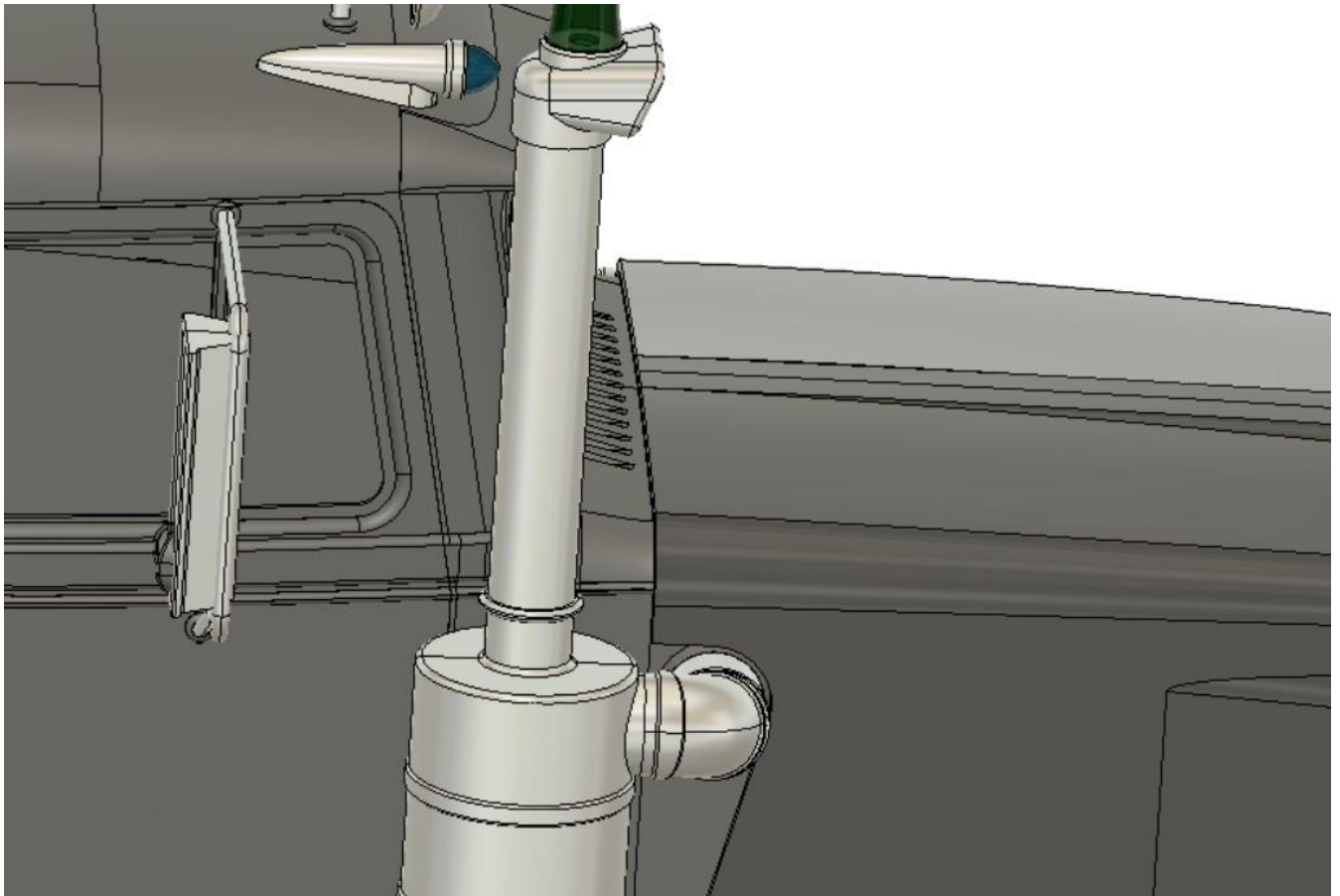


Přiklopte kapotu



Pohybujte Kabinou, dokud nebudou díly v ose a zároveň bude mezera mezi kapotou a kabinou méně než 1mm.



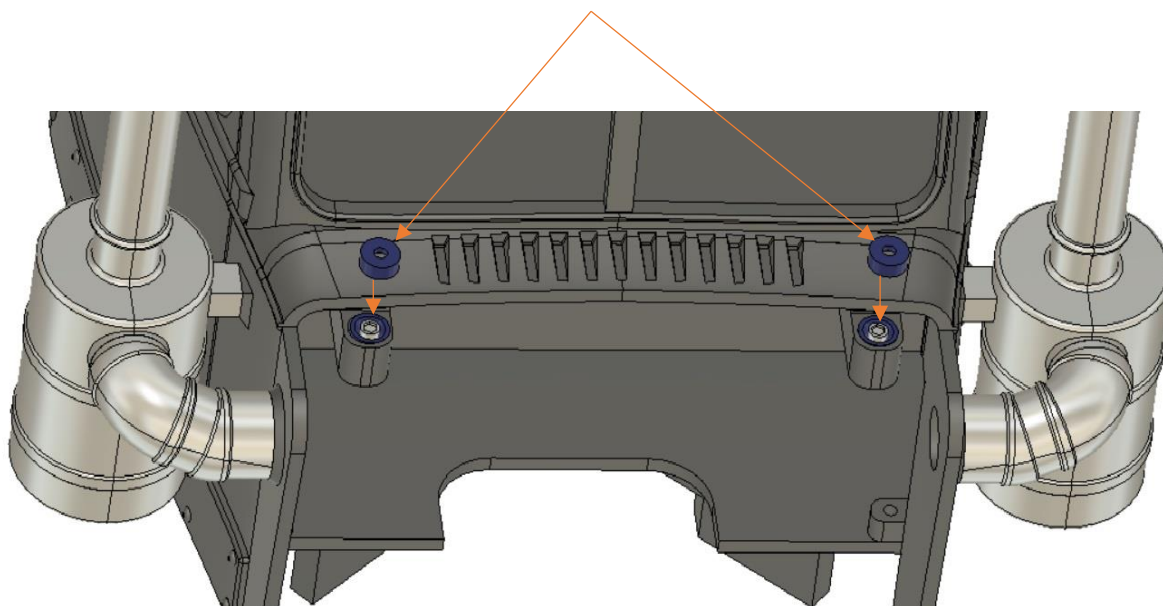


Kapota by měla krásně doléhat na obou stranách.

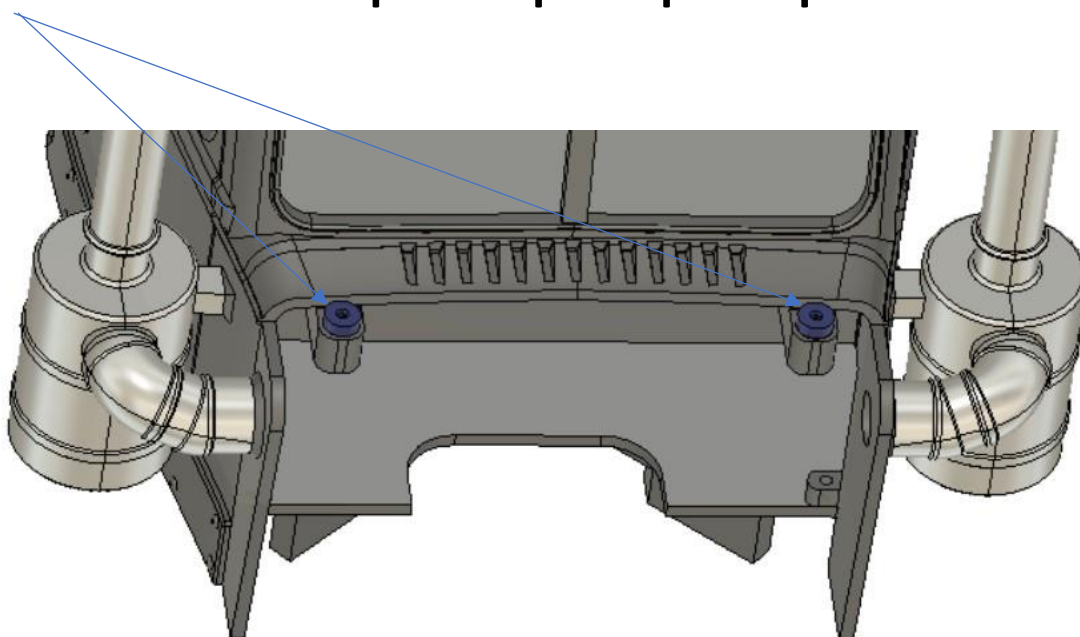
**Touto cestou jsme eliminovali skoro všechny
nepřesnosti v předchozí montáži nebo v nepřesném
lepení.**

**Po odšroubování šroubů ze spodní strany, můžeme
kabinu v případě potřeby sundat.**

Zbývá už jen usadit magnety které nám podrží kapotu zavřenou.



Naneste lepidlo a přiklopte kapotu



Po zaschnutí lepidla otevřete kapotu a zkontrolujte
pevnost lepeného spoje



A je hotovo!

Dodělejte osvětlení

(pokud se rozhodnete použít mnou navržený světelný modul, návod
najdete na <http://www.mlmodel.webnode.cz>)

Regulátor nastavte do módu – bez brzdy

Pokud Vaše vysílačka má možnost zpomalení kanálu, namixujte
zpomalení na kanál plynu.

Užijte si model

