

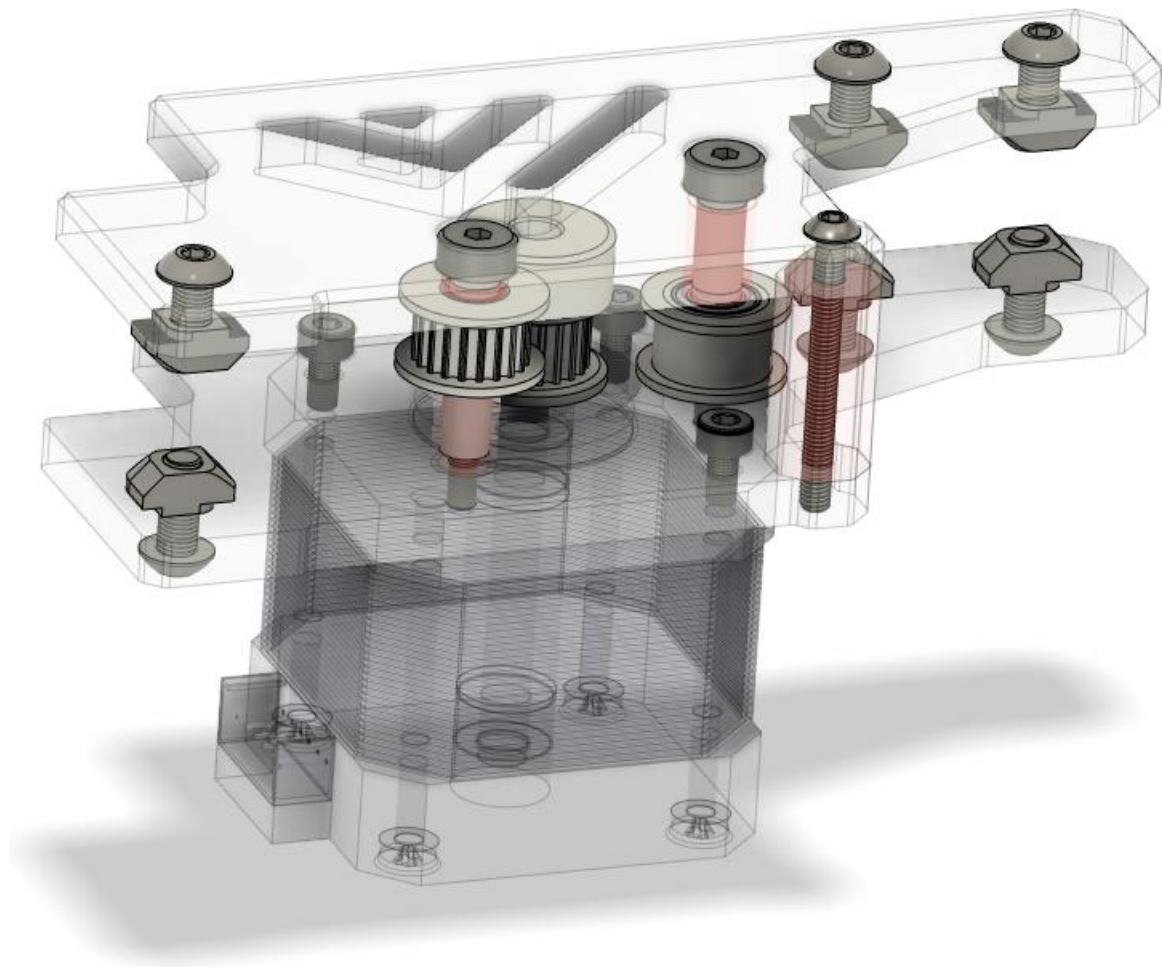


## 1.2 Secondary motor mounts/Idlers (AWD)



### Bom:

Material	Quantity	Notes
M3 35mm	2	
M3 nut	2	
M3 6mm	6	
M4 10mm	12	
M4 T-nut	12	+3 when mounting the extrusion to the rear panel
Shoulder bolt 5mmx20mm [M3]	4	M3 threading with 6mm of threaded length, if longer grind down the ends <a href="https://nl.aliexpress.com/item/1005003611471729.html">https://nl.aliexpress.com/item/1005003611471729.html</a>
M4 nut	2	
GT2 Toothed idler	2	Low profile required, as available at Mellow & F3D
Gt2 Smooth idler	2	Low profile required, as available at Mellow & F3D
GT2 motor pulley	2	
260mm 2020 Extrusion	1	
M4 8mm	3	Optional but recommended, used to secure the rear extrusion to the rear aluminum panel



### STL files:

File name	Amount to print
Spacer long	4
Spacer short bottom	2
Spacer short top	2
Spacer M3 corner	2

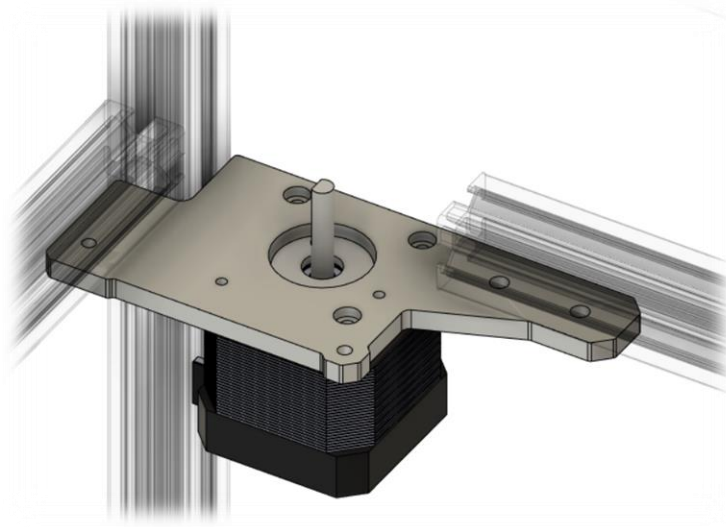


**Step 1:**

*Mount the motor to the bottom plate with the M3 screws*

**Step 2:**

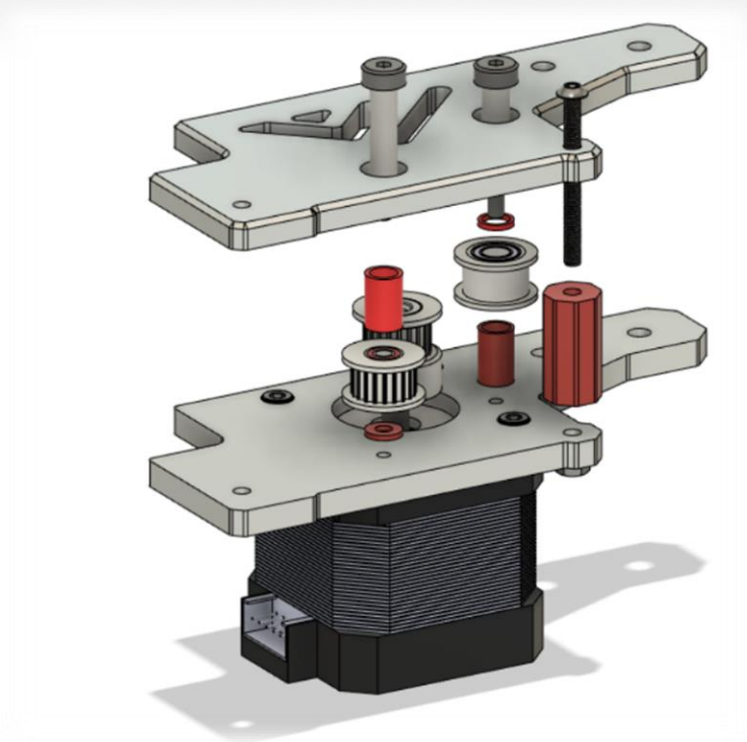
*Mount the bottom assembly (left & right) to the frame with the rear extrusion*



**Step 3:**

*Mount the pulleys with their respective spacers and hardware like shown below. Mind that the bottom spacer for the toothed idler pulley has a smaller inside diameter than the top one for the smooth idler.*

*\*when getting the top plate in position with all hardware it is recommended to either have the printed parts printed with some excess first layer squish or put some thicker grease between the last spacer and the shoulder bolt to keep the assembly together before mounting*



Step 4:

*Secure the top plate*

