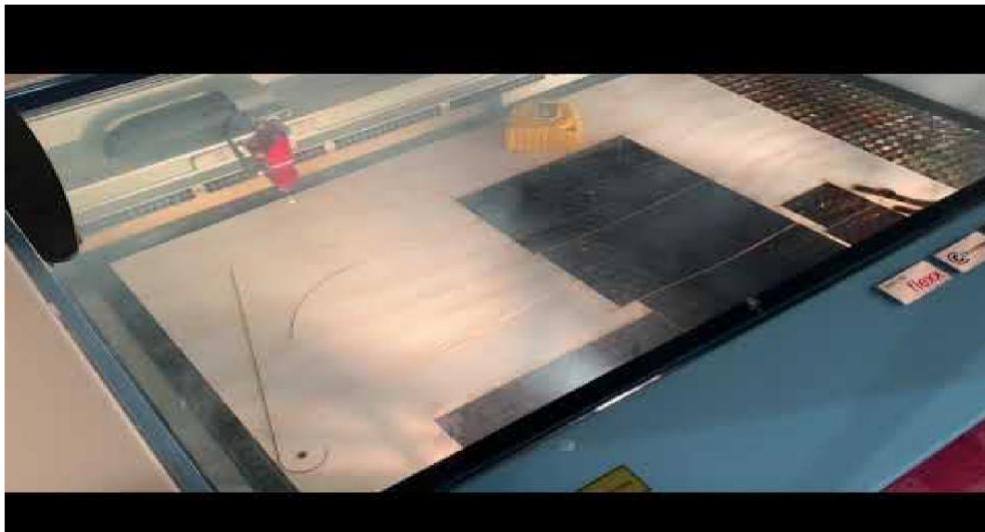


Mechanical Build March 16th – 20th

No	Description	Required Quantity	Vendor
Main Components			
1	Interior Plywood Sheet 897mm*600mm*7mm	1	Bunnings
2	Interior Plywood Sheet 1200mm*810mm*3mm	1	Bunnings
3	Threaded Stainless Steel Rod 1200mm*6mm	1	Bunnings
4	Angle Bracket 25mm*25mm*40mm	3	Bunnings
5	M5*35mm Machine Bolt	3	Bunnings
6	M5 Flat Washer 35Pk	1	Bunnings
7	M5 Hexagon Nut 20Pk	1	Bunnings
8	M6 Nylon Lock Nut 6pk	2	Bunnings
9	M6 Nylon Stainless Steel Nut 6pk	2	Bunnings
10	M3*15 mm Machine Bolt	3	Bunnings
11	M3 Flat Washer 35Pk	1	Bunnings
12	M3 Hexagon Nut 200Pk	1	Jaycar
13	Mini Brass Spade Connector 100Pk	1	Jaycar
14	Plastic Box	1	Jaycar
15			

The mechanical build was fairly simple. We encountered one issue when laser cutting the body from ply as the sketch files from Fusion did not dimension correctly in Illustrator. However, the super helpful Lauren at MCIC was able to redraw them for us very accurately. Thanks Lauren!

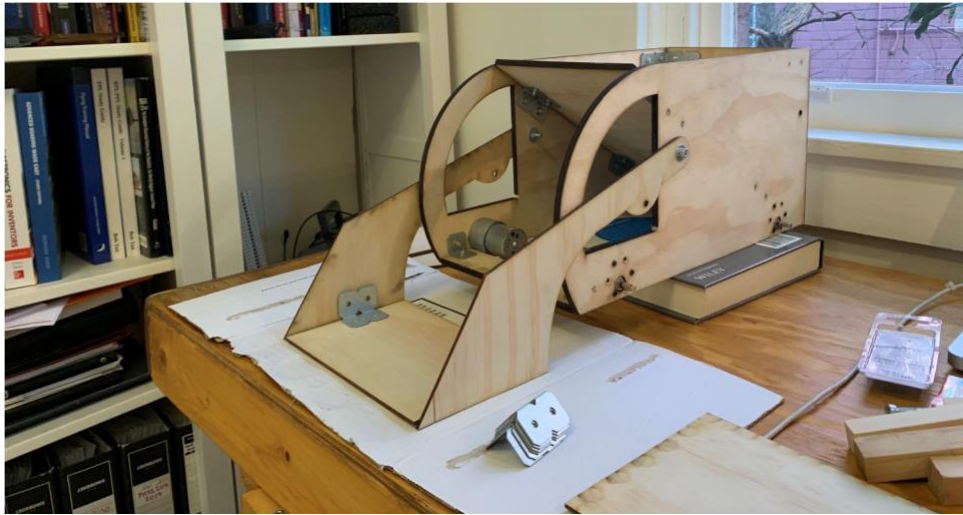
[Laser cutting scoop arms for Regotron](#)



We were also able to drill the holes for the angle brackets using the laser cutter in 'freestyle mode'.

[Rover body from CAD to Prototype](#)





[Rover Build Progress Update](#)

