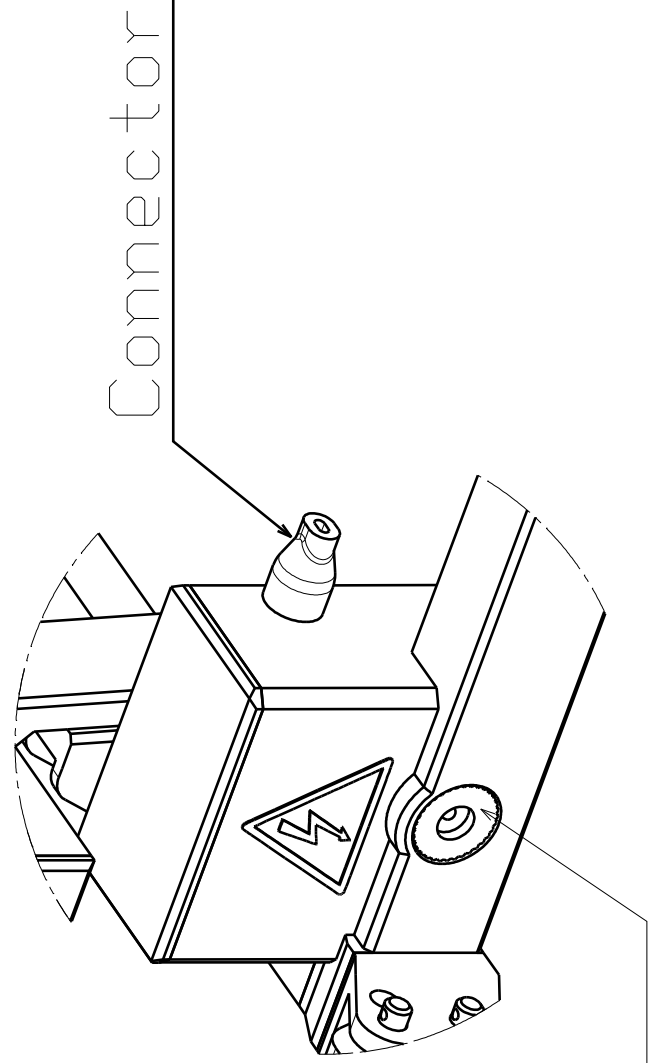




5.5x2.1mm DC power jack

BOM		
QTY	Name	Comment
Screws		
10	2,5x10mm	SPAX or similar (see Trent 900 drawing for dimensions)
2	M3 x 20	
14	M3 x 16	
Nuts		
16	M3	
Rods		
2	10x10x245mm	Aluminium, wall 1mm
1	10x10x142mm	Aluminium, wall 1mm
2	10x10x161mm	Aluminium, wall 1mm
Various		
1	DC motor speed controller	
1	Wireharness	2x 0,14mm ² ; outer dia. 1,5x2,6mm
1	2 pin male header	
1	2 pin female header	
1	5.5x2.1mm DC power Jack	
	Epoxy glue	(or your favorite glue for 3D prints)

Back support LH/RH

Top beam (2x)

Middle support LH/RH

Cross beam

Main beam LH/RH

RH

Middle connection

Wheel (4x)

Back large support LH/RH

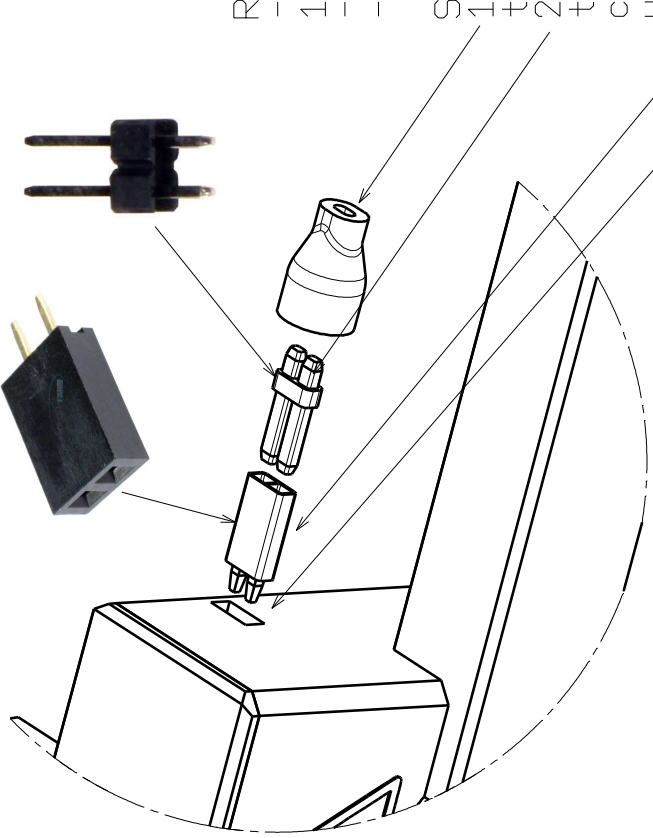
Middle large support LH/RH

Front support LH/RH

LH

Wheel bracket (4x)

Connector assembly

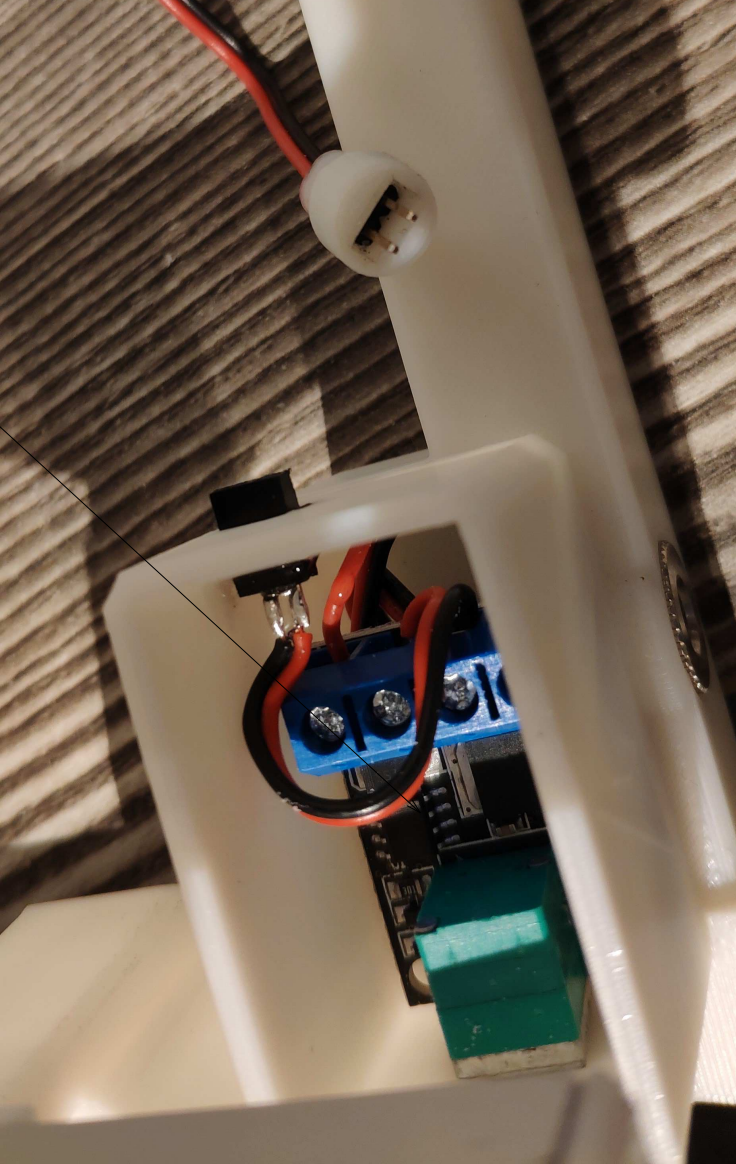


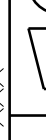
Required parts: ?
- Wire 2x 0,14mm²; outer dia. 1,5x2,6mm
- 2 pin male header
- 2 pin female header

Steps:
1. Put printed connector on the wire
2. Solder male pin header to the wire and pull printed connector over (optionally you can put some glue in it)
3. Solder the wire on the printed connector to fix it
4. Solder the wire on the female pin header
5. Glue the female pin header in the hole on the Back connection . Use the before assembled connector to define how much the connector should be out of the hole.

Final result:

Motor Speed Controller



DESIGNED BY	Nejc Terbec			I	-
DATE	5. 01. 2020			H	-
CHECKED BY	XXX			G	-
DATE	XXX			F	-
SIZE	XXX			E	-
A1		SCALE		D	-
	1:1	REVISION	C		
1:1	XXX	DRAWING NUMBER		B	-
1/2	XXX	SHEET		A	-
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