Item No.	Part name	Part number	Material	Manufacturing Method	Quantity	Description	Stock thickness	Part volume
1	Base	OENG1205-GR-001	Acrylic	Laser cut	1	The base will be used to mount the compartment, the switch, the axle mount and the magnet mount.	3 mm	x
2	Compartment	OENG1205-GR-002	Acrylic	Laser cut	2	To secure both the hooked mass and the screws	3 mm	x
3	Magnet mount	OENG1205-GR-003	Acrylic	Laser cut	1	To mount the 3 magnets	3 mm	x
4	Axle mount	OENG1205-GR-004	Clear resin	3D printing	1	To mount both the axle and the motor	x	22.33 cm^3
5	Drive pulley	OENG1205-GR-005	Clear resin	3D printing	1	Pulley connected to the motor	x	2.28 cm^3
6	Driven pulley	OENG1205-GR-006	Clear resin	3D printing	1	Pulley connected to the axle	x	4.87 cm^3
7	Axle	OENG1205-GR-007	x	Provided	2	Used to connect the wheels	x	x
8	Motor	OENG1205-GR-008	x	Provided	1	Provide power to the axle	x	x
9	Wheels	OENG1205-GR-009	x	Provided	4	Provide movement to the vehicle	x	x

10	switch	OENG1205-GR-010	x	Provided	1	To turn the motor on and off	x	x
11	Battery trays	OENG1205-GR-011	x	Provided	1	To hold the batteries	x	x
12	GT2 timing belt	OENG1205-GR-012	x	Bought	1	The belt is used to link the 2 pulleys to transmit power from the motor to axle	x	x
13	Hooked mass	OENG1205-GR-013	x	Provided	1	Mass representing the passenger	x	x
14	Magnet	OENG1205-GR-014	x	Provided	3	To pick up the littered screws	x	x
15	Magnet Spacer 5 mm	OENG1205-GR-015	Acrylic	Laser cut	1	To lower the position of the magnet by 5 mm	5 mm	x
16	Magnet spacer 10 mm	OENG1205-GR-016	Acrylic	Laser cut	1	To lower the position of the magnet by 10 mm	10 mm	x