

Component list For Formula Schools Engineering Electric Kit 2007/8

No.	Component	Size	Description	Qty.
	Chassis Assembly			
E01	Chassis	282x110x2mm	Aluminium Alloy sheet	1
	Front Axle Assembly			
E02 EF	Front Beam	110x9.5x32	Ally Alloy	1
	Plastic Tube	Ø25x8mm	Wheel Spacer Pair	1
EF	King Pins	Ø2.8x20mm	Roll Pins	2
E04 EF	Stub Axles	Ø4.75x40mm	Steel BDMS to be tapped to M5	2
EF	Trunnions	12.5x9.5x50	Steel Pair	1
EF	Nylocks	M5	Wheel nuts	2
EF	Washers	M5	To fit stub axles	4
EF	Mounting Screws	M3x16	To mount the front beam	2
E03	Track Rod	Ø2.0mm	Stainless Steel Wire	1
E05	Front Wheel			2
	Rear Axle Assembly			
EF	Mounting Screws	M3x12	To mount the rear bearing blocks	4
EF	Grub Screw	M4	To hold rear wheels to axle	4
EF	Washer	M6	To fit between Bearing Blocks and wheel	2
E06	Rear Axle	Ø6.35x150mm	BDMS drive flats to be filed	1
E07	Bearing Blocks	4mm	Nylon Blocks to be drilled to Ø6.5mm	2
E08	Rear Wheel		Including integral gear	2
	Motor Assembly			
E09	Motor			1
E10	Motor Mount	65mm	Aluminium Angle to be drilled	1
EF	Mounting Screws	M3x8	To mount the motor to the bracket	2
EF	Mounting Screws	M3x12	To mount the Motor Bracket to the chassis	2
EF	Washer	M3 Star	For Motor mounting screws	2
E11	Pinion Gear	16T	With grub screw	1
	Battery Assembly			
E12	Battery	1300 – 3300mAh	NiCad or Metal Hydride	1
E14	Speed Controller	Pack	Mechanical swept arm	1
	Various Assembly Components			
EF	Washer	M3 Plain	Various Positions	8
EF	Nut	M3	Various	8
E13	Fasteners Bag		All numbered EF	1
E15	Tyres	25mm OD	For both front and back	
E16	Instructions		Assembly instructions including pictures	1