

# Greenpower MOT Scrutineering Checklist 2018

ADMIN

Event Name:

Scrutineer Full Name:

Team Name:	Car no	
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RULE	ITEM	REQUIREMENT	PASS	FAIL	RETEST
	Logbook	Check previous comments have been completed			
T9.1	Roll Bars	A line drawn between roll bars is at least 50mm above the helmet of the tallest driver			
T7.1	Bodywork	The bodywork reaches at minimum from the drivers back to feet and covers elbows to sides			
T7.6	Bodywork	All bodywork and windscreens to front or sides are below the driver's eye level			
T6.5	Seating	There is a padded headrest located to avoid whiplash			
T10.4	Safety Eqpt	The safety harness lap strap fully tightens around the lap, with mounting points on either side			
T10.4	Safety Eqpt	Harness mounting points are around shoulder level to rear approx 150mm wide			
T8.1	Safety Eqpt	The car does not move when brakes are fully applied and a 300N force is applied forwards			
T10.6	Safety Eqpt	There is a clearly visible non-flashing red brake light			
T10.2	Safety Eqpt	There is a clearly audible single-tone horn			
T10.1	Safety Eqpt	Two driver adjustable, rear view mirrors are fitted with a wide field of view, farings attached to mirror			
T10.3	Safety Eqpt	A 100A isolator switch is fitted, easily operable by drivers and marshals			
T6.3	Exit	The driver can exit the car unaided from racing seated position			
T5.1	Dimensions	The whole vehicle is less than 2800mm long, 1200mm wide and 1200mm high			
T5.2	Dimensions	The ground clearance under the entire car is greater than 30mm			
T5.3	Dimensions	The rear of the vehicle extends no more than 800mm from the rear axle centreline			
T3.1	Wheels	Tyres are pneumatic, in good condition, and between 300mm and 520mm in diameter			
T3.3	Wheels	The track, as measured from where the tyres contact the ground, is greater than 500mm			
T3	Wheels	The wheels are secure with minimal play in the bearings, axles and kingpins			
T3.4/5	Wheels	Plastic spoked wheels are not permitted			
T11.1	Steering	There is minimal play in the steering system and control rods do not reach horizontal position			
T11.4/5	Steering	The car is steered by front wheels only and is operated only using hands			
T11.2/3	Steering	Steering is mechanical and operates smoothly from lock to lock without fouling bodywork, locknuts are secure			
T8.2	Brakes	There are two independent brakes acting on both front or both rear wheels			
T8.3/4	Brakes	The brakes are operated by hand without removing either hand from the steering wheel			
T9.3	Roll Bars	The rear roll bar is braced within 200mm of the top either centrally or on both sides			
T9.4	Roll Bars	Both front and rear roll bars are made of steel or aluminium. The rear is of circular/square cross section			
T9.2	Roll Bars	The roll bars are sufficient dimensions and fixings are mechanical not glued or bonded			
T9.5	Roll Bars	The top 150mm of the rear roll bar does not have any attached aerodynamic aids			
T7.7	Bodywork	Closed cell foam of at least 25mm thickness protects a substantial part of the drivers body			
T7.9	Bodywork	A frontal crash structure of at least 200mm length is fitted to the front bulkhead			
T7.9	Bodywork	The above crash structure is made from foam with a compressive strength between 300 and 700 Kn/m <sup>2</sup>			
T7.1	Bodywork	A minimum bodywork thickness of 1.5mm (3mm if plywood) surrounds the driver, to 250mm high			
T7.4	Bodywork	The cockpit must have a minimum opening of 600x350mm in a complete rectangle			
T7.8	Bodywork	There are no sharp edges in the cockpit area and seat is padded			
T10.4	Safety Eqpt	A minimum of 4 point harness is fitted, with straps at least 50mm wide, its anchor points are secure			
T10.5	Safety Eqpt	If the seat has combined angles of less than 45 degrees a 5 fixing point harness is fitted			
T10.3	Safety Eqpt	The battery isolator switch(es) are clearly marked on/off and is directly operated by the driver			
T6.2	Seating	The seat is secure and the driver is sat in a feet first, reclined position			
T4.2	Seating CG	The driver's seat including padding is less than 100mm from ground level			
T7.3	Seating	There is a suitable bulkhead to prevent the driver contacting the wheels			
T6.4	Seating	There is a solid floor under the whole of the driver			

CONTINUED OVER

RULE	ITEM	REQUIREMENT	PASS	FAIL	RETEST
T2.4	Batteries	Both batteries are removed and installed independently, i.e. not strapped together as a pair			
T2.2	Batteries	Auxiliary devices are powered by maximum 1 PP3 or 6AA batteries, not fed into the main power			
T2.1/6	Batteries	Batteries cannot move at all, fixings are of rigid material, and release clips are secure (no plastic)			
T2.8	Batteries	The batteries are inside the body of the car			
T2.8	Batteries	Batteries are separated by a bulkhead capable of restraining them from the driving compartment			
T2.9	Batteries	Batteries have quick release connections (releaseable without tools) that are not liable to short			
T4.1	Batteries	The base of the batteries is below 100mm from ground level			
T1.1	Motor	A standard Greenpower motor is fitted and has not been tampered with, drilled or machined			
T1.2/3	Motor	The motor is air cooled only, and any fans are powered by the main batteries only			
T10.7	Safety Eq	The drivetrain is guarded to prevent fingers, hair, clothing etc becoming trapped at any time			
T12.1	Electrics	The accelerator is spring loaded to the off position			
T12.3	Electrics	There is a 70 amp or lower circuit breaker or fuse fitted			
T12.4/5	Electrics	All wiring is secured away from moving parts and correctly rated for its use			
T13.4	Other	Three numbers are fitted, one on each side and one on the front, all are clearly visible			
T13.6	Bodywork	The drivers crash helmet has no farings or cameras attached to it			
T13.5	Other	Transponder is mounted outside the bodywork with no farings			
T10.8	Other	Critical components use locking nuts with at least 1 thread protruding, locking compound is not acceptable			
	Other	All Greenpower Partner Stickers Prominently, Both Sides & Front, Displayed (Siemens, IET, BMWi, Silverline)			
	Other	There is nothing else on the car that would cause you to deem it unsafe			

Done?

If the car has not completely passed scrutineering, please give **this form and their logbook** to the Chief Scrutineer

If the car has fully passed scrutineering apply an MOT pass sticker AND a race pass sticker in a clearly visible position

Send the School/team leader to Race Admin with **this form and their logbook** to collect their Transponder


NOTES:

Scrutineer - have you noticed anything exceptional about this car?