Greenpower MOT Checklist 2024

Version 1.0.0

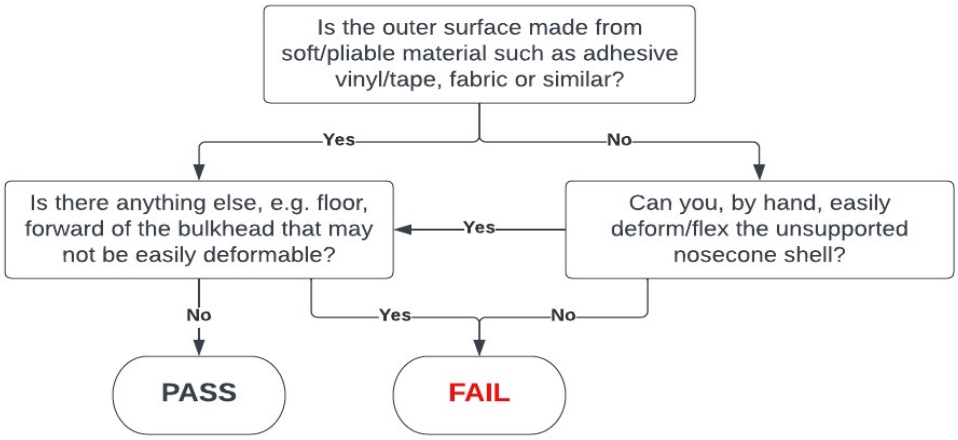
Event Name:		**Date:**	/ / 2024
Scrutineer Full Name:			
Team Name:		**Car No.**	

RULE	ITEM	REQUIREMENT	PASS	FAIL	RETEST	Note No.
	Logbook	Check previous comments have been addressed.				
T14.6	Other	Crash helmet has no fairings or cameras attached to it. Cameras must be attached to the car with secure mechanical fixing. Suction mounted cameras are not permitted.				
		Tallest Driver Seated/Strapped In				
T11.6	Safety Eqpt	There is a clearly visible non-flashing red brake light.				
T11.2	Safety Eqpt	There is a clearly audible single-tone horn.				
T5.2	Dimensions	The ground clearance under the entire car is greater than 30mm.				
T10.1	Roll Bars	A line drawn between roll bars is at least 50mm above the helmet of the tallest driver.				
T9.1	Brakes	The car does not move when brakes are fully applied and a 300N force is applied forwards. (30Kg on scales)				
T7.2	Driver's Cell	From the front bulkhead to the lap strap mounting points the driver's cell must exceed the highest part of the driver in this area.				
T7.2	Driver's Cell	Between the harness lap strap mounting points and the driver's back, the driver's cell will extend to a height of 250mm above the seat base or above the drivers elbows, whichever is greater.				
T6.3	**Exit**	**Shortest Driver to replace Tallest Driver who can, unaided, rapidly/safely exit the vehicle.**				
T8.2	Bodywork	Bodywork to the front or sides of the driver's helmet is lower than the bottom of the driver's helmet visor aperture with **shortest driver** in racing position.				
T11.1	Safety Eqpt	Two driver adjustable, wide field rear view mirrors, fitted in clear air, fairings attached to mirror.				
T11.4	Safety Eqpt	The safety harness lap strap fully tightens around the lap, with mounting points on either side.				
T6.3	**Exit**	**The shortest driver can, unaided, demonstrate a rapid & safe exit from the vehicle.**				
T6.1/2	Seating	The seat is secure and the driver is sat in a feet first, reclined position.				
T9.2	Brakes	There are two independent brakes acting on both front or both rear wheels.				
T9.4/5	Brakes	The brakes are operated by hand without removing either hand from the steering wheel/mechanism.				
T5.1	Dimensions	The whole vehicle is less than 2800mm long, 1200mm wide and 1200mm high.				
T5.3	Dimensions	The rear of the vehicle extends no more than 800mm from the rear axle centreline.				
T7.4	Driver's Cell	The cockpit must have a minimum opening of 600x350mm in a complete rectangle.				
T3.3	Wheels	The track, as measured from where the tyres contact the ground, is not less than 500mm.				
T8.3	Bodywork/Roll Bars	No bodywork will be higher than 150mm below the top of the rear roll bar. The top 150 mm of the roll bar must not have any fairing or other aerodynamic aid.				
T10.3	Roll Bars	Rear roll bar rigidly braced within 200mm of the top centrally or both sides. Roll bar/Brace angle exceeds 25°.				
T10.4	Roll Bars	Rear roll bars are made of circular section steel, minimum wall thickness 1.5mm, minimum diameter 25mm - braces minimum 19mm diameter.				
T10.6	Roll Bars	Roll Bar/Brace Stucture extends down to at least shoulder strap mounting point level.				
T10.2	Roll Bars	Rear roll bar is firmly secured to the chassis with sufficient load spreading. May not be glued or bonded.				
T7.2	Driver's Cell	A rigid driver's cell runs from the front bulkhead to the driver's back.				
T7.3	Driver's Cell	The driver's cell skin forms a continuous protective layer and is of rigid sheet material 1.5mm thick (plywood 3mm). The skin must be securely attached directly to the driver's cell.				
T7.6	Driver's Cell	Inner side faces of the driver's cell must be lined with closed cell foam at least 25mm thick to protect a substantial part of the driver's body from shoulders to knees.				
T7.7	Driver's Cell	Any sharp edges or protrusions in the driver's cell must be padded.				
T6.4	Seating	There is a solid floor under the whole of the driver.				
T7.8	Seating	There is a suitable structure to prevent the driver contacting the wheels.				
T6.5	Seating	There is a fixed padded headrest located to avoid whiplash.				
T11.4	Safety Eqpt	A minimum of 4 point harness is fitted, with straps at least 50mm wide, all anchor points are secure.				
T11.5	Safety Eqpt	If the seat has combined angles of less than 45 degrees a minimum 5 point harness is fitted.				
T11.4	Safety Eqpt	Shoulder strap mounting points are around shoulder level to rear approx 150mm apart.				
T7.1	Driver's Cell	A minimum 200mm long front foam crash structure with compressive strength of 300-700 kPa is fitted to the front bulkhead. The bulkhead is vertical and parallel to front axle centre-line.				
T8.1	Bodywork	Anything forward of the front bulkhead must be easily deformable. See flow chart over page.				
T12.4/5	Steering	Steering is operated by hands only and only operates front wheels.				
T12.2/3	Steering	Steering is mechanical and operates smoothly from lock to lock without fouling bodywork, locknuts are secure.				
T12.1	Steering	There is minimal play in the steering system and control rods do not reach horizontal position.				
T11.8	Safety Eqpt	Critical components use locking nuts with at least 1 thread protruding, locking compound alone is not acceptable.				
T3.1/4	Wheels	Tyres are pneumatic, in good condition, and between 300mm and 520mm in diameter.				
T3.5	Wheels	Plastic spoked wheels are not permitted.				
T3	Wheels	The wheels are secure with minimal play in the bearings, axles and kingpins.				

T2.7	Batteries	The batteries are inside the body of the car, seperated from the driver's cell by a bulkhead capable of restraining them.				
T2.3	Batteries	Battery installation/removal can be conducted safely using appropriate manual handling practices.				
T2.8	Batteries	Batteries Disconnect location clearly labelled, tool free access with quick release connections not liable to short.				
T2.5	Batteries	Main batteries cannot move, have rigid fixings (no webbing), and release clips are secure (no plastic).				
T4.1	Batteries CG	The base of the main batteries is at or below 100mm from the ground.				
T4.2	Seating CG	The base of the driver's seat including padding is at or below 100mm from the ground.				
T1.1/2	Motor	Motor securely attached, unmodified with warranty seals intact.				
T1.3	Motor	The motor is air cooled only and any fans are powered by the main batteries only.				
T13.1	Electrics	The accelerator is spring loaded to the off position.				
T13.3	Electrics	There is a 70 amp or lower circuit breaker or fuse fitted.				
T11.3	Safety Eqpt	100A isolator switch, directly operable by the seated driver and marshals, is fitted with correctly labeled on/off positions.				
T11.3	Safety Eqpt	Isolator switch must isolate all devices powered by the main batteries.				
T2.2	Batteries	Auxiliary devices are powered by maximum 1 PP3 or 6AA non-lithium batteries, not fed into the main power.				
T13.4/5	Electrics	All wiring is secured away from moving parts and correctly rated for its use.				
T11.7	Safety Eqpt	The drivetrain is guarded to prevent fingers, hair, clothing etc becoming trapped at any time.				
T14.8	Other	Lift points are clearly marked.				
T15	Kit Car	Main chassis frame is unmodified other than, seat, battery tray & posts, motor mounting tabs & stud. (Kit Car only)				
	Other	There is nothing else that would cause you to deem the car unsafe.				

	Tick below as applicable	
FAILED - give this **form** and the **logbook** to the **Chief Scrutineer**	**Fail**	
PASSED - apply **scrutineering pass sticker** and **MOT pass sticker**, clearly visible, to car. Hand this **form** and the **logbook** to a **team member** to take to Race Admin to collect their Transponder	**Pass**	

Nosecone Deformability Assessment



NOTES:	*Refer to note numbers on line items above.*