



GreenpowerUSA F24/F24+ First Event Scrutineering Checklist 2022-2023

Version 1.0

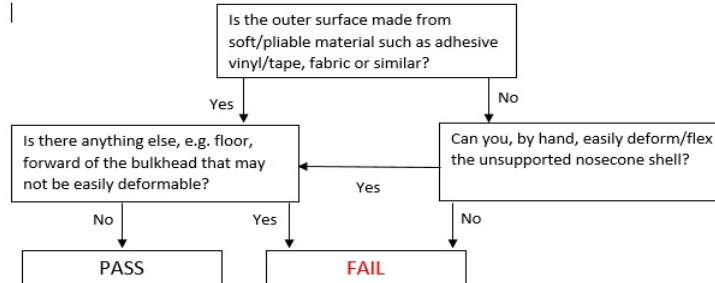
| Event Name: | | | Date | | | |
|------------------------------|--------------------|--|------------------------|------|----------------------------------|-----------|
| Scrutineer Full Name: | | | Class | | Stock Modified Custom | |
| Team Name: | | | Car No. | | | |
| RULE | ITEM | REQUIREMENT | PASS | FAIL | RETEST | Note No. |
| | | Tallest Driver Seated/Strapped In | | | | |
| | 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. | | | | |
| T10.1 | Roll Bars | A line drawn between roll bars is at least 2 in. (50mm) above the helmet of the tallest driver. | | | | |
| T5.2 | Dimensions | The ground clearance under the entire car is greater than 1.18 in. (30mm). | | | | |
| 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. | | | | |
| T9.1 | Brakes | The car does not move when brakes are fully applied and a 300N force is applied forwards. (67 lbs or 30Kg on scales) | | | | |
| 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. | | | | |
| T11.2 | Safety Eqpt | There is a clearly audible single-tone horn. | | | | |
| T11.3 | Safety Eqpt | 100A isolator switch, directly operable by the driver/marshals, is fitted with on/off positions clearly | | | | |
| T11.4 | Safety Eqpt | The safety harness lap strap fully tightens around the lap, with mounting points on either side. | | | | |
| T11.6 | Safety Eqpt | There is a clearly visible non-flashing red brake light. | | | | |
| T11.1 | Safety Eqpt | Two driver adjustable, wide field rear view mirrors, fitted in clear air, fairings attached to mirror. | | | | |
| T5.1 | Dimensions | The whole vehicle is less than 110 in. (2800mm) long, 47 in. (1200mm) wide and 47 in. (1200mm) | | | | |
| T5.3 | Dimensions | The rear of the vehicle extends no more than 31.5 in. (800mm) from the rear axle centreline. | | | | |
| T3 | Wheels | The wheels are secure with minimal play in the bearings, axles and kingpins. | | | | |
| T3.3 | Wheels | The track, as measured from where the tyres contact the ground, is not less than 19.685 in. (500 mm). | | | | |
| T3.1/4 | Wheels | Tyres are pneumatic, in good condition, and between 12 in. (300 mm) and 20 in. (520 mm) in diameter. | | | | |
| T3.5 | Wheels | Plastic spoked wheels are not permitted. | | | | |
| T12.1 | Steering | There is minimal play in the steering system and control rods do not reach horizontal position. | | | | |
| T12.2/3 | Steering | Steering is mechanical and operates smoothly from lock to lock without fouling bodywork, locknuts are secure. | | | | |
| T12.4/5 | Steering | Steering is operated by hands only and only operates front wheels. | | | | |
| T10.4 | Roll Bars | Rear roll bars are made of circular section steel, minimum wall thickness 0.06 in. (1.5mm), minimum diameter 0.98 in. (25mm) - braces minimum 0.75 in. (19mm) diameter. | | | | |
| T10.2 | Roll Bars | Rear roll bar is firmly secured to the chassis with sufficient load spreading. May not be glued or bonded. | | | | |
| T10.3 | Roll Bars | Rear roll bar rigidly braced within 7.87 in. (200mm) of the top centrally or both sides. Roll bar/Brace angle exceeds 25°. | | | | |
| T8.3 and T10.5 | Bodywork/Roll Bars | No bodywork will be higher than 6 in. (150mm) below the top of the rear roll bar. The top 6 in. (150 mm) of the roll bar must not have any attachments (fairings, aerodynamic aid, or cameras). | | | | |
| T10.6 | Roll Bars | Roll Bar/Brace Structure extends down to at least shoulder strap mounting point level. | | | | |
| T1.1/2 | Motor Type | Fracmo (FR) - Black end caps with no vent holes. Bolt on footplate (optional) Greenpower (GP) - Silver end caps with 8 vent holes each end, welded footplate. | Circle as Req'd | | FR | GP |
| 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. | | | | |
| T11.4 | Safety Eqpt | Shoulder strap mounting points are around shoulder level to rear approx 6 in. (150mm) apart. | | | | |
| T11.4 | Safety Eqpt | A minimum of 4 point harness is fitted, with straps at least 2 in. (50mm) wide, all anchor points are | | | | |
| T11.5 | Safety Eqpt | If the seat has combined angles of less than 45 degrees a minimum 5 point harness is fitted. | | | | |
| T7.1 | Driver's Cell | A minimum 7.87 in. (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. | | | | |
| T7.2 | Driver's Cell | A rigid driver's cell runs from the front bulkhead to the driver's back. | | | | |
| T7.2 | Driver's Cell | Between the harness lap strap mounting points and the driver's back, it will extend to a height of 10in. (250mm) above the seat base or above the drivers elbows, whichever is greater. | | | | |
| T7.2 | Driver's Cell | From the front bulkhead to the lap strap mounting points it will reach the top of the driver's cell or 10 in. (250mm), whichever is lower. | | | | |
| T7.3 | Driver's Cell | The driver's cell skin forms a continuous protective layer and is of rigid sheet material 0.06 in. (1.5mm) thick (plywood 0.12 in. (3mm)). The skin must be securely attached directly to the driver's cell. | | | | |

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|---------|---------------|---|--|--|--|--|
| T7.4 | Driver's Cell | The cockpit must have a minimum opening of 23.5 in. x 14 in. (600x350mm) in a complete | | | | |
| T7.6 | Driver's Cell | Inner side faces of the driver's cell must be lined with closed cell foam at least 1 in. (25mm) thick to protect a substantial part of the driver's body. | | | | |
| T7.7 | Driver's Cell | Any sharp edges or protrusions in the driver's cell must be padded. | | | | |
| T4.2 | Seating CG | The base of the driver's seat including padding is at or below 3.9 in (100 mm) from the ground. | | | | |
| T6.4 | Seating | There is a solid floor under the whole of the driver. | | | | |
| T6.1/2 | Seating | The seat is secure and the driver is sat in a feet first, reclined position. | | | | |
| T6.5 | Seating | There is a padded headrest located to avoid whiplash. | | | | |
| T7.8 | Seating | There is a suitable bulkhead to prevent the driver contacting the wheels. | | | | |
| T11.7 | Safety Eqpt | The drivetrain is guarded to prevent fingers, hair, clothing etc becoming trapped at any time. | | | | |
| T11.8 | Safety Eqpt | Critical components use locking nuts with at least 1 thread protruding, locking compound alone is not acceptable. | | | | |
| T2.2 | Batteries | Auxiliary devices are powered by maximum 1 PP3 or 6AA batteries, not fed into the main power. | | | | |
| T4.1 | Batteries CG | The base of the main batteries is at or below 3.9 in. (100 mm) from the ground. | | | | |
| T2.5 | Batteries | Main batteries cannot move, have rigid fixings (no webbing), and release clips are secure (no plastic). | | | | |
| 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. | | | | |
| T2.8 | Batteries | Batteries Disconnect location labelled, tool free access with quick release connections not liable to short. | | | | |
| T2.3 | Batteries | Battery installation/removal can be conducted safely using appropriate manual handling practices. | | | | |
| 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. | | | | |
| T13.4/5 | Electrics | All wiring is secured away from moving parts and correctly rated for its use. | | | | |
| T14.4 | Other | Three race numbers are fitted, one on each side and one on the front, all are clearly visible. | | | | |
| T14.5 | Other | Transponder bracket mounted outside the bodywork between front axle and race number with no | | | | |
| T14.7 | Other | All Greenpower & partner stickers prominently displayed. | | | | |
| T14.8 | Other | Lift points are clearly marked. | | | | |
| | Other | There is nothing else that would cause you to deem the car unsafe. | | | | |

Tick below as applicable

| | |
|---|-------------|
| FAIL - give this form and the logbook to the Chief Scrutineer | Fail |
| PASS - apply annual MOT and EVENT pass stickers, 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.