

Technical Regulations - Overview

Listed below is a summary of championship technical, safety and commercial regulations. This list is designed to provide competitors with an overview of requirements. Full and further details will be provided in the Championship Regulations (when published), which must be referred to in all cases.

General – all vehicles

- Cars must be based on a production model from a recognised manufacturer.
- Cars must be prepared to a high standard.
- There will be no classes.
- There will be no minimum or maximum weight limits.
- All relevant parts of the current Motorsport UK Yearbook Section J ‘Competitors Vehicles’ will apply. Where an item is listed as ‘free’ Section J will still apply.
- A Balance of Performance system may be introduced to generate closer competition.
- Cars will be required to hold a Motorsport UK logbook in 2022.

Scrutineering

- Eligibility and safety checks will be carried out before and during an event at the organisers’ discretion, in accordance with Motorsport UK guidelines.
- It is the competitor’s responsibility to ensure their car complies to the technical regulations throughout the event.
- Organisers reserve the right to refuse entry if a car does not comply with championship technical and safety regulations.

Safety

- A welded six-point (minimum) roll cage is mandatory: Motorsport UK Regulation K 1. Bolt-in cages are not permitted.
- Side impact door bars are compulsory on both sides of the vehicle: Motorsport UK drawing 12 (g, h, r, j).
- A competition drivers’ seat with lateral support is mandatory.
- Seat belts: A five-point (minimum) harness to Motorsport UK Regulation K2 is mandatory. It does not have to be ‘in date’, but it is recommended that it is.
- Open top cars must have arm restraint belts fitted.
- A plumbed in extinguisher as per Motorsport UK Regulation K 3.1.2 (a) must be fitted.

- All cars must carry a 1.75-litre (minimum) foam extinguisher fitted in an accessible position.
- Vehicles must be fitted with an internal and externally operated circuit breaker: Motorsport UK Regulation Section K.
- Internal cut-off and fuel pump isolation system(s) must be operable by the Driver when seated with harness fastened.
- Fluid lines running through the passenger compartment must be braided hoses or run within a sealed box section.

Chassis

- All cars must retain the original chassis/bodyshell.
- No structural modifications can be carried out between the leading edge of the front-subframe mountings and the trailing edge of the rear subframe mountings.
- Space framing may be carried out when it extends outwards from the subframe mountings. However, the outward-facing profile of the bodywork must not be changed from that of the original.
- Subframes may be modified. The chassis may be modified to accommodate a subframe assembly if the original vehicle was not fitted with one.
- Suspension mounting points may be moved by 25mm (maximum) from that of the original point to accommodate modified components. Strengthening is permitted.
- Front bulkheads/firewalls must be steel and may not be moved back further than the leading edge of the windscreen.
- Transmission tunnels may be modified.

Bodyshell

- Body panels may be replaced with alternative material but must retain the shape of the original part.
- Unwanted brackets and fittings may be removed and some structural work may be carried out in order to reduce weight, provided the outward facing profile of the car is not affected.
- If, in the opinion of the scrutineers, a bodyshell has been modified to an extent that may cause a structural weakness, the car will not be permitted to take part until further checks have been carried out in order to establish the integrity of the bodyshell. Competitors are therefore advised to check with the scrutineer before carrying out any weight-removal modifications.
- Wheel arches may be modified.
- Aftermarket body kits and aero may be fitted in accordance with championship regulations.
- Bonnet vents or apertures must be covered by a grille, mesh or moulded scoop.
- Bumper support/fixing bars are permitted.

- Doors on both sides of the car must retain the standard latch system and be functional and accessible from the inside and outside.
- Door cards must be fitted.
- There must be no sharp edges exposed inside the car.
- Bonnet latches must be removed and replaced by pins.
- Towing eyes must be fitted, accessible and functional.

Windows

- Glass windscreens must be of laminated type.
- Polycarbonate windscreens and windows are permitted, no less than 4mm thick. An opening hatch large enough to accommodate an extended arm must be located in the driver's window.
- If glass side and rear windows are retained, protective film must be applied. A drivers' window net may be used.

Engine

- Engines are free.
- Hybrid and electric-powered vehicles will be considered, subject to Motorsport UK regulations.
- Induction is free
- Cooling is free
- Unless the standard breather system is retained, a 2-litre catch tank must be fitted.
- Exhaust systems are free. However, the exit must be at the back or side of the car and may not be directed to the wheels.
- Maximum noise level: 105db.

Suspension, brakes & steering

- Suspension is free.
- Brakes are free, subject to Motorsport UK Regulation J 5.6.1.
- A front-to-rear, driver-operated bias system may be fitted.
- Secondary handbrake systems that operate on the rear-wheels only may be fitted.
- All brake and clutch cylinder reservoirs must be fitted outside of the passenger compartment, or be protected by a sealed fire-proof panel if fitted inside.
- Steering is free. However, steering locks must be removed.

Wheels & Tyres

- Controlled tyres: Zestino Acrova 07A (rear only) must be used.
- Front tyres are free.
- Wheels are free and must be suitable for the vehicle to which they are fitted.

- Steel wheel bolts/nuts must be used (not aluminium).
- Wheel spacers may be used but must not exceed 25mm in width.
- The use of tyre warmers is not permitted.
- Tyre softening chemicals or surface coatings may not be used.
- The cutting or grooving of tyres is not permitted.
- Arbitrary tyre-to-wheel fixings, innertubes, moose and other types of filling are not permitted.

Transmission

- Cars must be rear-wheel-drive only.
- Gearboxes and drive-train specification is free.
- Cars must be fitted with a functioning reverse gear.

Electrical

- Batteries may be re-located. Only gel-type racing batteries may be located in the passenger compartment.
- Electric starting systems must be functional.
- Windscreen wipers must be operational and effective.
- All lights must be functional and can be replaced with LEDs.
- Front and rear brake light strips must be fitted as specified in championship regulations.

Fuel

- Fuel systems and tanks are free.
- A fireproof bulkhead or sealed section must separate the tank from the passenger compartment.
- Fuel cells may be fitted. If so, they must comply with Motorsport UK regulation K 4.1 – K 4.3 and be within date.
- If fuel lines are routed inside the passenger compartment, braided hoses must be used.
- Commercially available petrol, diesel, E85 Bio Ethanol and race fuels can be used. Nitrous Oxide and additives are permitted. Methanol MUST NOT be brought to the circuit in its pure form.

Competition numbers & decals

- Competition numbers will be allocated when entries are accepted.
- Numbers must be positioned on both sides of the car and on the front screen.
- Championship decals and race numbers will be provided at the start of the season.
- It is a commercial requirement of all competitors to ensure that the correct Championship decals are in place.
- To qualify for points cars must carry decals in the designated positions for all sessions.
- If it is not possible for decals to be positioned exactly as per the plan, competitors must contact the Championship Coordinator to gain approval for the decals to be moved.

Personal driver equipment

- Crash helmets must be in accordance with Motorsport UK Regulation K 10.
- Racing boots and gloves are compulsory and must be in accordance with Motorsport UK Regulation K 14.3.
- Fireproof underwear and balaclavas are recommended and, if worn, must be in accordance with Motorsport UK Regulation K 14.3.
- FIA Homologated overalls are compulsory. Motorsport UK Regulation Section K 9, K 10 and K 13 applies.
- It is mandatory for competitors to use a FHR (Front Head Restraint) device that must be fitted in accordance with Motorsport UK Regulation K 10.4.

Presentation

- Throughout the event, cars (including team support vehicles) must be clean and presented in good order and in a manner that represents the championship.
- Organisers reserve the right to refuse entry if a car does not comply or, in their opinion, the standard of preparation is not to an acceptable standard.
- Cars must be presented at the event with no visible damage.
- Bumpers and panels must be in place for all runs.
- Spare body panels must replicate those fitted to the car in terms of shape and colour/livery.
- Teams are expected to keep their working areas in a neat, tidy and safe condition at all times.
- Organisers reserve the right to specify reasonable clothing requirements for drivers, especially for awards ceremonies and other promotional activities. For podium presentations, drivers must wear their racing overalls, zipped up and with belts (where applicable) fastened.
- Teams are to ensure that their representatives are dressed and presented in a smart and professional manner and in such a way as to not cause offence.

Commercial

- Everyone connected with the Championship is expected to promote the highest standards and ideals of the sport at all times.
- No person connected with the Championship – including team members - shall bring it into disrepute by means of a statement, image or communication to the public, press, media or social media, which may be considered negative or demeaning. Social Media guidelines issued by Motorsport UK shall apply.
- Any person connected with the Championship who is deemed to have brought the Championship into disrepute, will cause the competitor and/or team concerned to be liable to disciplinary action as appropriate.

- Competitors are obliged to assist in promotion of the Championship by granting interviews when requested and complying to reasonable requests regarding promotional and media activity.

ENDS