

CHASE Equipment - Historic Modsports & Special Saloons Series Regulations 2025

5. TECHNICAL REGULATIONS:

Organising Club: See 6.1

- 5.1** The following Technical Regulations are set out in accordance with the Motorsport UK specified format and it should be clearly understood that if the following texts do not clearly specify that you can do it you should work on the principle that you cannot.

If you are in any doubt check with the Eligibility Scrutineer.

5.2 GENERAL:

These regulations are based significantly on the original regulations from the 1979 version of the RAC Motor Sport TECHNICAL MANUAL.

There are two separate, distinctive sets of regulations, one for 'Modsports', one for 'Special Saloons', with some common regulations relating to both categories.

NB: Cars which were originally homologated by the manufacturer with a 4 valves per cylinder (VPC) engine, are permitted to run these engines, but no 4 VPC engines can be transplanted into other vehicles. It is for the competitor to detail the engine origin.

Original cars which ran in Modsports & Special Saloons prior to 31.12.1979 and are outside the regulations will be reviewed on an individual basis and will be allowed to enter the series, if they prove to be outside of the performance envelope all other cars are operating within, their eligibility will be reviewed a second time, and they may be asked to operate a rev limit. However, all newly built cars must comply strictly with these regulations.

Period liveries are encouraged.

Class Structure

Four classes, taken from the original 1979 Blue Book regulations with Modsports and Saloons combined in each class.

Class	Modsports Cars	Special Saloon Cars
A	Up to 1150cc	Up to 1000cc
B	1151 to 1500cc	1000 to 1300cc
C	1501cc to 2000cc	1301cc to 2500cc
D	Over 2000cc	Over 2500cc

On occasion, cars may be 'invited' to compete, but they will not be eligible for awards.

5.3 SAFETY REQUIREMENTS:

All **Motorsport UK** Section K safety criteria regulations apply as relevant.

Cars must comply fully with the 2023 MSUK safety regulations.

A Roll-Over Protection System (ROPS) must be fitted compliant with all relevant regulations in MSUK K1.

A plumbed-in fire extinguisher system must be fitted compliant with all relevant regulations in MSUK K3.1

5.4 GENERAL TECHNICAL REQUIREMENTS & EXCEPTIONS:

- 5.4.1 All vehicles must comply with their Identity Documents (if existing).
- 5.4.2 Competitors are requested to contact the registrar or any member of the Series Technical Committee if they have any questions regarding the acceptable specification of their car.
- 5.4.3 In any issues relating to the acceptability of cars presented for a race, the Series Eligibility Scrutineer will be the Arbiter. Any such decisions shall be final.

Modsports Cars

Regulations based on RAC Motor Sport TECHNICAL MANUAL 1979.

Modified sports cars derived from vehicles produced in minimum manufacturer homologation quantities. Mechanical modification, are only limited by the following regulations.

5.5 CHASSIS:

- 5.5.1 The chassis or unitary construction must remain as produced by the manufacturer in construction and material within the wheel hub centres. The chassis may be reinforced. Bulkheads may be modified but must remain sealed as per MSUK regulation J5.2.2.
- 5.5.2 Minimum ground clearance, excluding suspension components, is 40mm.

5.6 BODYWORK INCLUDING AEROFOILS

- 5.6.1 The silhouette as seen in side elevation must remain unaltered above the road wheel hub centres of the original production car at normal ride height, except for engine boot/cover, boot lid/rear deck.
- 5.6.2 The doors, roof, engine bonnet/cover, luggage compartment boot lid/rear deck may be changed for different material of the same shape and dimensions. Alternative materials may be used for external wings. Detachable hard tops are permitted.
- 5.6.3 Windows in the side and rear of the car may be replaced with polycarbonate or Perspex with a nominal minimum thickness of 4mm, per MSUK regulation J5.20.8. Open cars can run an aero screen and a tonneau compliant with MSUK regulation Q13.2.3 or hardtop. If a hardtop is fitted the full windscreen must be in place.
- 5.6.4 Windscreens must be of laminated glass per MSUK regulation Q13.2.1(a) or Perspex or polycarbonate with a nominal minimum thickness of 4mm per MSUK regulation J5.20.8.
- 5.6.5 Air dams / splitters are permitted below the level of the road wheel centres, providing they do not protrude beyond the original coachwork in plan view, including bumpers grille etc., by more than 2".
- 5.6.6 Spoilers are permitted within the overall plan periphery of the engine cover/luggage compartment lid. "A spoiler is a raised surface of opaque material integral with the rear deck with no gaps or openings in the surface, front or rear, and not exceeding in height half the vertical height of the original rear window of the original car at its centre point.
- 5.6.7 Rear wings are permitted. They must not be wider than the rear wheel arches, can comprise of twin elements and no part of the wing structure can be higher than the original height of the roof of the car at its highest point. Wings cannot protrude beyond the original coachwork in plan view, including bumpers etc., by more than 2". Wings must be of period appearance, no modern style wings.
- 5.6.8 Venturis are permitted.
- 5.6.9 On rear engine cars the engine and cover ancillaries must not extend above the level of the bottom of the rear window of the original car at its center point. On front engine cars the engine and engine cover and its ancillaries' must not be more than 4" above the highest point of the original bonnet.

5.7 ENGINE

- 5.7.1 Change of power unit is **not** permitted. All engines must be of the type installed in the original road car by the manufacturer available on general sale to the public before 31.12.1979. The engines **must be a maximum of 2 valves per cylinder. (Except 5.7.4)**

- 5.7.2** Manifolds and carburettors are unrestricted, providing manifolds fit directly on to the original port faces of the cylinder head. Original mechanical fuel injection is permitted.
- 5.7.3** Period downdraught heads are permitted. BMC 8 port heads are permitted. Weslake 7 port heads are permitted. Engine internals are free. Dry sump systems are permitted. Change of engine block material is permitted.
- 5.7.4** **4 valve per cylinder engines are permitted but cannot be transplanted into other vehicles; they can only run in the original vehicle the manufacturer homologated them for. Lotus Elite, Eclat, Espirit, Jensen Healey etc.. Original fitment fuel injection is permitted, but no modern throttle bodies / management, (if in doubt please speak to the organisers) They cannot run any form of engine management but can run electronic ignition provided the only form of triggering mechanism is the distributor. No BD type engines allowed in Modsports cars.**
- 5.8 SUSPENSION**
- 5.8.1 Type of suspension must be the type offered by the original manufacturer in period. The suspension and springing system may be modified, but components / systems must have been available in period.
- 5.8.2 The wheelbase must be to the dimensions of the original vehicle $\pm 2\%$ or 2" whichever is the greater
- 5.9 TRANSMISSION**
- 5.9.1 Change of gearbox is permitted but must have the same number of forward gears as the original (overdrive is counted as a gear). Gearbox must have been available on general supply prior to 31.12.1979. Internals are free. No sequential gearboxes or gear change mechanisms allowed. Period homologated gearbox's ZF etc., are permitted.
- 5.9.2 Final drive and its position is free. LSD's are permitted.
- 5.10. BRAKES**
- 5.10.1 No carbon materials permitted. Must comply with MSUK regulation Q 13.4.
- 5.11. WHEELS & TYRES**
- 5.11.1 Wheels must be of period appearance and must be of overall maximum diameter 15". **Variation by agreement.**
- 5.11.2 Tyres are free
- 5.12 MISCELLANEOUS RESTRICTIONS**
- 5.12.1 No forced induction
- 5.12.2 No motorcycle engines
- 5.12.3 No fuel injection other than original fitment mechanical fuel injection.
- 5.12.4 No engine management of any kind. No crank triggers
- 5.12.5 No 4 valves per cylinder engines. (Except as described in 5.7.4.)

Special Saloon Cars

Regulations based on RAC Motor Sport TECHNICAL MANUAL 1979.

Any cars the RAC have verified as having been produced in minimum homologation quantities. Mechanical modification, are only limited by the following regulations.

5.13 CHASSIS

- 5.13.1 The engine clutch and gearbox casing must remain at the same end of the vehicle as envisaged by the manufacturer of the body / silhouette of the car used.
- 5.13.2 On front engine cars the rear of the gearbox casing (not including tail shaft and gear lever extensions) must not pass the centre line of the original car. Conversely on rear engine cars the most forward point of the engine casting must not pass the centre line of the original car.
- 5.13.3 The wheelbase to be as stated in the manufacturers buyers' guide for the original car with a tolerance of $\pm 2\%$ or 2", which ever is the greater.
- 5.13.4 The driver must sit on the same side as in the original car.

- 5.13.5 Bulkheads may be modified but must remain sealed as per MSUK regulation J5.2.2.
- 5.13.6 Minimum ground clearance, excluding suspension components, is 40mm.
- 5.13.7 Spaceframes are permitted.

5.14 BODYWORK INCLUDING AEROFOILS

- 5.14.1 The silhouette in the side elevation must remain unaltered above the road wheel hub centres of the original production car at normal ride height, except for engine boot/cover, boot lid/rear deck.
- 5.14.2 The material of the bodywork may be changed as long as original structural strength is maintained.
- 5.14.3 No part of the engine cover or luggage compartment lid may be lowered.
- 5.14.4 Air dams / splitters are permitted below the level of the road wheel centres, providing they do not protrude beyond the original coachwork in plan view, including bumpers grille etc., by more than 2".
- 5.14.5 Spoilers are permitted within the overall plan periphery of the engine cover/luggage compartment lid. "A spoiler is a raised surface of opaque material integral with the rear deck with no gaps or openings in the surface, front or rear, and not exceeding in height half the vertical height of the original rear window of the original car at its centre point.
- 5.14.6 Rear wings are permitted. They must not be wider than the rear wheel arches, can comprise of a twin element and no part of the wing structure can be higher than the original height of the roof of the car at its highest point. Wings cannot protrude beyond the original coachwork in plan view, including bumpers etc., by more than 2".
- 5.14.7 Venturi's are permitted.
- 5.14.8 On rear engine cars the engine and cover ancillaries' must not extend above the level of the bottom of the rear window of the original car at its centre point.
- 5.14.9 On front engine cars the engine and engine cover and its ancillaries must not be more than 4" above the highest point of the original bonnet.

5.15 ENGINE

- 5.15.1 Change of power unit **is** permitted. (With the exception of 5.15.7)
- 5.15.2 All engines must be of a type installed in an original road car by a manufacturer available on general sale to the public before 31.12.1979. The engines **must be a maximum of 2 valves per cylinder. (Except 5.15.7)**
- 5.15.3 Electronic ignition is permitted as long as the only source of triggering is the distributor.
- 5.15.4 Period downdraught heads are permitted.
- 5.15.5 BMC 8 port heads are permitted. Weslake 7 port heads permitted.
- 5.15.6 Engine internals are free. Dry sump systems are permitted.
- 5.15.7 **4 valve per cylinder engines are permitted but cannot be transplanted into other vehicles, they can only run in the original vehicle the manufacturer homologated them for. Ford Escort Mk1 and Mk2. Lotus Sunbeam etc.. Original mechanical fuel injection is permitted. They cannot run any form of engine management. Can run electronic ignition as long as the only triggering mechanism is the distributor.**

5.16. SUSPENSION

- 5.16.1 Suspension and springing systems may be modified, but components / systems must have been available in period.
- 5.16.2 The wheelbase must be to the dimensions of the original vehicle $\pm 2\%$ or 2" whichever is the greater

5.17 TRANSMISSION

- 5.17.1 Transaxles are permitted
- 5.17.2 Final drive and its position is free.
- 5.17.3 Change of gearbox is permitted but must have the same number of forward gear as the original (overdrive is counted as a gear). Gearbox must have been available on general supply prior to 31.12.1979. Internals are free. No sequential gearboxes or gear change mechanisms allowed. Period homologated gearbox's ZF etc., are permitted.

5.18 BRAKES

- 5.18.1 No carbon materials permitted. Must comply with MSUK regulation Q 13.4.

5.19. WHEELS & TYRES

5.19.1 Wheels must be of period appearance and must be of overall maximum diameter 15". **Variation by agreement.**

5.19.2 Tyres are free

5.20 MISCELLANEOUS RESTRICTIONS

5.20.1 No forced induction

5.20.2 No motorcycle engines

5.20.3 No fuel injection other than original fitment mechanical fuel injection.

5.20.4 No engine management of any kind. No crank triggers

5.20.5 No 4 valves per cylinder engines. (Except as described in 5.15.7)

COMMON REGULATIONS RELATING TO BOTH MODSPORTS AND SPECIAL SALOONS

5.21 WEIGHTS:

5.21.1 Weights will be monitored and penalties may be added to prevent cars winning by unacceptable margins.

5.22 FUEL TANK/FUEL:

5.22.1 Only fuel defined by MSUK rules are permitted.

5.22.2 Fuel tanks must comply with MSUK regulations K6 and K14.1.

5.22.3 Fuel delivery systems must have a cut-off facility compliant with MSUK Q13.8.

5.23 SILENCING:

5.23.1 Exhausts are free but must comply with MSUK noise requirements and also to be able comply with the relevant circuit noise limits.

5.24 NUMBERS AND DECALS:

5.24.1 Positions

As per Motorsport UK Yearbook Section J4 and drawing 4. All competing cars must display at least two HSCC badges one on each side of the car. If at any time the Series has a sponsor – sponsors decals when provided must be displayed (one each side of car) failure to comply may result in grid or race penalties being applied. Individual advertising as per Motorsport UK Regulations H28.1.1 – H28.1.6

5.25 IGNITION

5.25.1 Electronic ignition is permitted but the triggering process must be by utilizing the original distributor. No programmable systems, no crank triggers, or mapped systems are permitted.

5.26 ELECTRICS:

5.26.1 The engine must be capable of making repeated starts without outside assistance. Batteries are free but if retained in the cockpit must be securely fixed and housed in a leak proof container compliant with MSUK regulation J5.14.1 and J5.14.2.

A rear rain light compliant with MSUK regulation K5.1 and brake lights must be operational, no other lights are required, but if removed an appropriate cover must be put in their place.

A circuit breaker, with driver and external triggers, must be fitted that isolates all electrical circuits (except any fire extinguisher circuits) in compliance with MSUK regulations K8.1 to K8.5.

5.27 COOLING

5.27.1 Water and oil cooling are free, but must remain within the confines of the bodywork of the car. Only water based coolant such as anti-freeze is permitted.

6. APPENDICES

The following Commercial Undertakings are not subject to the Judicial procedures of either the Series Stewards

and/or the Motorsport UK /MSC

6.1 **Race Organizing Clubs and Contact**

Series Principal Steve Watton: 07507 134788

Entries please contact Steve Burns the Scottish Motor Racing Club: <https://www.smrc.co.uk>