

AUTO 66

CAR HILLCLIMB TECHNICAL REGULATIONS 2018

Eligibility: All competing cars must comply with MSA General, Technical & Safety Regulations included in Sections S10 – S15 as relevant.

Classes:

Roadgoing Series Production & Specialist Cars: (Section S11)

You must be able to produce a current Insurance certificate, where applicable, at Scrutineering.

1. (SA): Standard Saloon & Sportscars up to 1400cc
2. (SB): Standard Saloon & Sportscars 1401cc up to 2000cc
3. (SC): Standard Saloon & Sportscars over 2000cc
4. (1A): Saloon Cars up to 1400cc
5. (1B): Saloon Cars 1401cc up to 2000cc
6. (1C): Saloon Cars over 2000cc
7. (1D): 2 & 4 Seater Sportscars up to 2000cc
8. (1E): 2 & 4 Seater Sportscars over 2000cc
9. (2A): Roadgoing Kit, Replica & Spaceframed Cars up to 1700cc (car derived engines)
10. (2B): Roadgoing Kit, Replica & Spaceframe Cars over 1700cc (car derived engines)
11. (2C): Roadgoing Kit, Replica & Spaceframe Cars (motorcycle derived engines)
12. (2D): All Roadgoing Specialist Cars not eligible for classes 2A, 2B or 2C

Modified Production Cars: (Section S12)

13. (3A): Saloon Cars up to 1400cc
14. (3B): Saloon Cars 1401cc. up to 2000cc
15. (3C): Saloon Cars over 2000cc
16. (3D): 2 & 4 Seater Sportscars up to 2000cc
17. (3E): 2 & 4 Seater Sportscars over 2000cc
18. (3F): Modified Kit, Replica & Spaceframe Cars up to 1700cc (car derived engines)
19. (3G): Modified Kit, Replica & Spaceframe Cars over 1700cc (car derived engines)
20. (3H): Modified Kit, Replica & Spaceframe Cars (motorcycle derived engines)
21. (3K): Modified Specialist Cars

Sports Libre & Hillclimb Super Sports Cars: (Sections S13 – S14)

22. (4A): Cars up to 2000cc & Hillclimb Super Sports
23. (4B): Cars over 2000cc

Racing Cars: (Section S15)

24. (5A): Up to 1100cc
25. (5B): Formula Ford 1600 Racing Cars manufactured before 1 January 1994
26. (5C): From 1101cc up to 1600cc
27. (5D): From 1601cc up to 2000cc
28. (5E): Over 2000cc

Classic & Racing Cars (to be calculated on handicap or by splitting by type and or capacity)

29. (6): Classic & Racing Cars manufactured prior to 1973
Subject to entries, a category will also be included for Pre War Vintage Sports Cars and Single Seaters

Extra classes for single make & Championship etc. can be added in accordance with D11.1.3
All vehicles must comply with Technical Regulations S10 and with the specific regulations for each category/class as specified in S10. See the 2017 MSA Yearbook, for the definition of a Sportscar.

Equivalence factors are as per S10.3.1, S10.3.2 with the addition of diesel engines x 0.714 and forced induction engines x 1.4

Clarifications for Roadgoing Series Production Cars

Classes SA, SB & SC

These classes are intended for near-standard cars with very few modifications (as listed), to encourage low-cost entry into the sport. All cars running in the above classes must remain in totally road legal form at all times.

All cars must have current VED & insurance in the name of the main driver, with a current MOT if age requires it.

NOTE. Trade plates and traders or company group insurance policies will not be accepted.

NO modifications (optional or otherwise) are permitted which are likely to improve the performance and handling of the car with the following exceptions:

Wheels & Tyres: The standard wheel rim width may be increased by a maximum of one inch and fitted with tyres to suit. Tyres must be from MSA list 1A and be Road Legal.

Engine & Exhaust: The air cleaner and exhaust system must remain as production or pattern replacement including catalyst if fitted. Electronic ignition may be fitted.

Suspension & Steering: The steering wheel may be replaced by a non-standard item. Up-rated dampers may be fitted. An alternative or OEM pattern replacement brake friction material can be fitted, without modification to the brake disc, calliper drum or shoe

Body: In the interests of safety the front seats may be replaced by a competition version, which must be fully trimmed, not a bare shell. Loose over – mats may be removed for safety purposes but the original carpets, fixed floor mats, and floor trim etc. must remain, and, in their original locations. Pyrotechnic safety devices such as airbags and seatbelt pretensioners may be disconnected or removed.

General: The spare wheel and any mounting or cover which is not permanently fixed to the body may be removed.

No other modifications, except the fitting of a roll cage, are allowed in classes SA, SB and SC.

Kit cars, limited production cars, space framed or non-ferrous chassis construction road cars and one-off road-going cars are not permitted in Classes SA, SB and SC.

In the event of an unresolved eligibility issue, the driver of the car concerned may be required to produce within four weeks of the event in question, a manufacturer's catalogue to substantiate any queried modifications / specifications and allow championship points to stand.

Any modifications not specifically permitted are, by definition, not allowed.

Classes 1A to 1E

Tyres must be from MSA list 1A and be Road Legal

Exhaust systems must include a working catalytic converter on all cars manufactured after 31st December 1999

Engine & Gearbox: The engine block &/or cylinder head must remain as original type and material. Internal modifications are allowed but the cubic capacity must remain within the same capacity class as the original car. Gearbox and differential casing must be of the original type and material and remain in the original position. Internal modifications are allowed

Brakes: Brake calipers, discs, master cylinder & pads can be modified. Carbon discs are not permitted. Modification of the brake pedal is permitted. Brake bias adjustment is allowed (brake balance adjusters must not be available for adjustment during running). The fitting of pedal assemblies is not permitted

Anti-Lock braking systems can be removed but cannot be added to a vehicle that does not have one as a manufacturer specified option.

Suspension: The suspension type and mountings must remain the same as that fitted by the vehicle manufacturer. The shock absorbers may be of any make and may be up-rated from standard. Adjustable spring platform struts are permitted. The mounting method and position must remain as specified by the vehicle manufacturer. Springs are free but must retain their original location. Bushes may be changed for similar polymer materials, but rose-joints or similar metal joints are prohibited unless fitted as the vehicle manufacturer's specified option.

The fitting of spherical type joints is not permitted, except as the top mounting of a suspension strut.

Pyrotechnic safety devices such as airbags and seatbelt pretensioners may be disconnected or removed,

Otherwise, as specified in Section S11.

The requirements of the current MSA regulations with regards to safety provisions for Sprint and Hillclimb cars and requirements of Classes 1 A - E must be adhered to.

Classes 2A to 2D

Tyres must be from MSA list 1A or 1B of radial construction only and be Road Legal

All cars in 2A & 2B must have a full windscreen fitted

Exhaust systems must include a working catalytic converter on all cars manufactured after 31st December 1999.

Otherwise as specified in Section S.

All other classes as specified in Section S

Please note that all cars must have operable reverse gear at all times (S10.8.1)

3.3 Safety: All competing cars and drivers must comply with all the safety requirements detailed in S10.1. In the 2017 MSA Yearbook.