



the Pits unless directed to do so. Work on cars already in the Pits must cease when a race is stopped.

7. PITS, PADDOCK & PITLANE SAFETY:

- 1 Pits & Paddock: Competitors must ensure that the MSA, Circuit Management and Organising Club Safety Regulations are complied with at all times.
2. Pitlane: The outer lane or lanes are to be kept unobstructed to allow safe passage of cars at all times. The onus shall be on all Drivers to take all due care and respect the pit lane speed limits.
3. Refuelling: May only be carried out in accordance with the MSA General Regulations, the Organising Club Regulations, Circuit Management Regulations and the SRs or Final Instructions issued for each Circuit/Meeting.
4. Speed Limit: Pit Lane Speed Limit will be 60 km/h.

8. RACE FINISHES: After taking the Chequered Flag drivers are required to:

- I. progressively and safely slow down
- II. remain behind any competitors ahead of them,
- III. return to the Pit Lane Entrance/Paddock Entrance as instructed,
- IV. comply with any directions given by Marshals or Officials
- V. keep their helmets on and harnesses done up while on the circuit or in the pitlane.

9. RESULTS: All Practice Timesheets, Grids, Race Results are to be deemed Provisional until all vehicles are released by Scrutineers after Post Practice/Race Scrutineering and/or after completion of any Judicial or Technical Procedures. (MSA regulation (D)26.3.)

10. TIMING MODULES: The 750 Motor Club utilises AMB transponder-based timing and competitors must have a compatible transponder fitted and working and advise the race organisers of its number prior to the event. The transponder is a TRANX 260 Direct Powered and is available from HS Sports Ltd – 01260 275708.

11. QUALIFICATION RACES: If any event is oversubscribed the Organising Club may at their discretion run Qualification Races.

12. OPERATION OF SAFETY CAR: {deleted}

13. ONBOARD CAMERAS: {deleted}

3: SPECIFIC SERIES REGULATIONS

4: SPECIFIC SERIES PENALTIES:

In accordance with Section C of the current MSA Yearbook

4.1: INFRINGEMENT OF TECHNICAL REGULATIONS:

1. Arising from post practice Scrutineering or Judicial Action: Minimum Penalty: The provisions of MSA Regulations: C3.3.
2. Arising from post race Scrutineering or Judicial Action: Minimum Penalty: The provisions of MSA Regulations: C3.5.1 (a) and (b).

For infringements deemed to be of a more serious nature the Clerk of the Course will invoke the provisions of Regulation C3.5.1 (c).

4.2: ADDITIONAL SPECIFIC SERIES PENALTIES:

5. TECHNICAL REGULATIONS

5.1 INTRODUCTION:

The following technical regulations are set out in accordance with the MSA specified format and it should be clearly understood that if the following texts do not clearly specify that you can do it, you must work on the principle that you cannot. The fact that some modifications are mentioned as prohibited does not imply that others are allowed.

Anyone considering constructing a new car for this formula should contact the Series Co-ordinator to ensure that the concept complies with these regulations.

Cars already registered with, and competing in the 750 Trophy will be allowed to compete as long as they conform to the regulations. Newly constructed cars will be allowed as long as they are replicas of cars already eligible, or a very close copy. All newly built cars must use technology and materials which were readily available between 1922 and 1974, relevant to the era of the car being copied.

5.2 GENERAL DESCRIPTION:

The 750 Trophy Series is for cars based on the side-valve Austin 7 and other cars of similar performance. There are Three classes as follows:-

Class A: Austin Sevens and Austin Seven Specials of all types. The traditional look and feel of the cars must be maintained. Cars built to the 750 Formula which have a history of competing in 750 Formula races prior to 1966. Cars shall comply with the regulations which were in force when they were constructed or last raced in a 750 Formula race, except that mudguards, electrical equipment and lamps are not required. Pre 1939 sports or racing cars of similar performance under 1100cc.

Class C: Non-Austin Seven engined cars such as 1172 cc side-valve Ford engined cars, Reliant engined pre-1974 750 Formula cars, historic sports or racing cars under 1200cc which are of similar performance.

Class D: Historic 500cc racing cars which conform to the Eligibility and Originality Regulations of the 500 Owners' Association for the current year.

5.3 SAFETY REQUIREMENTS:

All newly built (as against restored) cars must comply with the relevant paragraphs of the MSA Safety Regulations in the current Yearbook, section K 1.6.2, 1.6.4 – 1.6.6; Appendix 1 Table 3, 3.1.1; 5.1, 5.2, 6; 8 – 13. Regard should also be paid to recommendations in section 14.1 – 14.3.

All cars regardless of class, must comply with the relevant paragraphs of the MSA Safety Regulations in the current Yearbook, section K Appendix 1 Table 3, 3.1.1; 5.1, 5.2, 6.; 8 – 13.

Class C cars must also comply with section K 1 – 13. Seat belts, if fitted, must be FIA homologated.

Towing eyes must have a minimum internal diameter of 60mm; as an alternative a looped strap of suitable material may be bolted to the chassis. This does not apply to single-seater cars.

5.4 General Technical Requirements and Exceptions:

All cars must comply with the requirements of sections J and Q19 of the current MSA Yearbook. All vehicles must be of sound construction and mechanical condition and be well maintained.

In all classes, modern type superchargers or turbo chargers are not acceptable. Fuel injection is not allowed. The use of disc brakes is not allowed unless the car when originally built was fitted with them. As a minimum, two mirrors must be fitted, each with a minimum surface area of 50 sq cms and giving a clear view to the rear, one on each side of the centreline of the vehicle.

5.5 Chassis:

Class A: Except pre-1966 750 Formula, cars must be a Pre War Austin Seven 'A' frame chassis. Both Short & Long wheelbase types are acceptable. Chassis may be lightened or strengthened and may have additional frame members added. Other pre 1939 chassis.

Class C pre '74 750 Formula cars: The chassis is to have as the main longitudinals, either the side members of a pre 1939 Austin Seven, (the top hat sections may be de-brimmed and boxed by welding plates to the underside) or, alternatively, 2"x 2"x 16 swg square section steel tubes of at least 52" length. To either type a tubular space frame superstructure may be added. If the chassis is of any other type and does not comply with this regulation then ballast may be added to that car.

5.6 Bodywork:

1. General: Bodywork, for all classes of car, to be constructed in a safe and workmanlike manner and presented in a clean and tidy condition. There is no requirement for mudguards on non single-seater cars except to prevent contact between the driver's arm/s and

the tread of any tyre, whilst normally seated in the driving seat. Classes A must have a windscreen or aeroscreen fitted in a normally erect position.

2. Class A: Bodywork, which may be original or new, is to be based on the styles produced by the Austin Motor company for both production and works competition cars and contemporary pre-1939 Austin 7 based cars with bodies produced by other manufactures or individuals. This covers single seater, two seat and four seat types. Fibreglass replica body parts are acceptable. Other pre 1939 types.

3. Class C pre '74 750 Formula cars: As MSA Vehicle Regulation with the following additional requirements. There shall be only one cockpit space for both driver and passenger, the opening of which shall be large enough to accept a horizontal quadrilateral frame with hinged joints and one side 32" long, two opposite sides 18" and the fourth side 25". In checking the cockpit opening any obstruction caused by roll bar supports or fire extinguisher may be ignored. If the bodywork does not comply with the above regulation then the car may be ballasted to compensate. The bodywork should be period for pre 1974 in all cases.

4. Passenger Seats/space for sports cars (class A): Passenger seats need not be carried in any of the above classes. The passenger seat space must be suitable for an adult and remain clear apart from the intrusion of a fire extinguisher or removable roll-over bar support struts if fitted.

5. Ground clearance: As per MSA Regulations J5.20.11.

6. Aerodynamic devices: Wings or ground effect devices are not allowed.

5.7 ENGINES:

Class A: The engine must be based on the pre-1939 Austin Seven 747 cc. side valve design. The crankcase and cylinder block must be of the Austin design and manufacture or identical pattern part. Two and three bearing Austin crankcases are acceptable. Crankshafts, con rods and pistons are free but must not use any prohibited material. The engine must have a stroke of 3 inches and a bore of not exceeding 0.084". Non Austin oil pumps and water pumps may be fitted. Overhead valve conversions are banned except for the vintage LAP OHV conversion. Pre 1939 type superchargers only are allowed (vane or early Rootes type). Turbochargers are not allowed. Single or multiple 'period type' carburettors are allowed. Modern type carburettors not allowed. Fuel injection is not allowed. De-Stiamesing of the inlet ports is not allowed. Ignition system that require any microprocessor control system will not be permitted. Camshaft free - Austin gear drive to be retained. Other pre 1939 engines under 1100cc.

Class C pre '74 750 Formula cars: The engine may be (a) Reliant OHV 642cc, (b) Reliant 747cc sidevalve, (c) 747cc sidevalve Austin 7, (d) Reliant OHV 748/850cc, (e) Coventry Climax 750cc.

If the Reliant OHV 642cc engine is used, it must have a standard cylinder head casting and standard cylinder block/crankcase. The standard stroke of 2.4 inches must not be altered, nor must the bore exceed 2.28 inches giving a capacity of 642cc. Forced Induction (ie supercharging) is only permitted on engines (b) and (c) above, ie the sidevalve engines. The camshaft is free provided that it remains in the manufacturer's original position and is the sole means of operating the valves. There must be no more than two valves per cylinder, and the valves must remain parallel to each other. Carburetion shall be by only one carburettor choke. Only carburettors produced pre 1974 by Weber, Dellorto, SU, Solex and Zenith are permitted. Fuel injection and external slide throttles are prohibited. The capacity of either of the sidevalve units must not exceed 803cc; OHV or OHC conversions are not allowed. Only ignition systems that use only one trigger, inside the distributor or external, to initiate the low-tension current will be permitted. Any system that requires more than one sensor or input to provide another signal/voltage for any electronic/microprocessor control system will not be permitted. If the Reliant OHV 748 or 850cc engine is used, all parts must be standard Reliant, the cylinder head may be from any OHV Reliant; porting is permitted and compression ratio may be increased; on the 850cc any standard camshaft from any Reliant engine may be utilised - reprofiling/regrinding is not permitted; on the 748cc the camshaft is free; camshaft timing is free; cylinder block, liners and pistons to be standard Reliant; carburetion shall be by only one carburettor choke on an inlet manifold of free design - alternatively a standard Reliant SU carburettor on a standard Reliant manifold may be used; no restrictor plate is required on either carburettor. Exhaust manifolds

are free. Oil system free, either wet or dry sump. Only ignition systems that use only one trigger, inside the distributor or external, to initiate the low-tension current will be permitted. Any system that requires more than one sensor or input to provide another signal/voltage for any electronic/microprocessor control system will not be permitted.

Coventry Climax 750cc: All parts must be standard and unmodified, with the exception of the flywheel which is free. Compression ratio may not be increased. Oil system free, either wet or dry sump. Carburetion shall be either by:- only one carburettor choke on a free inlet manifold, or two 1¼ " SU carburettors on a modified standard inlet manifold. Only ignition systems that use only one trigger, inside the distributor or external, to initiate the low-tension current will be permitted. Any system that requires more than one sensor or input to provide another signal/voltage for any electronic/microprocessor control system will not be permitted.

Other Engines Under 1200cc:

Engines not complying with the above will be allowed but must be of similar performance. If an engine not listed above is found to have excessive power it may be restricted. Restriction will be achieved with a plate mounted between the carburettor and inlet manifold with an aperture to allow gas flow.

5.8 Suspensions:

Class A: The rear axle is to be an Austin Seven with torque tube. The axle is to be fixed to quarter elliptic springs attached to the rear ends of the 'A' frame. The front axle may be an Austin Seven rigid beam or lowered sports type Austin Seven beam type suspended on a transverse leaf spring, a split front axle or Bowdenex and Speedex front suspensions are allowed. Front and rear shock absorbers are to be friction type or hydraulic type. The wheelbase may be 6'3" or 6'9". The front track is free.

5.9 Transmissions:

Gearbox class A: Pre 1939 Austin 7 types with three or four forward gears plus mandatory reverse. Replacement close ratio gears may be fitted. Other pre 1939 gearboxes.

Gearbox Class C pre '74 750 Formula cars: Pre 1939 Austin 7 type, Reliant sidevalve or Standard Reliant type with no more than four forward gears and reverse. Replacement close ratio gears may be fitted.

Other gearboxes of pre 1974 design.

5.10 Electrics:

1. Exterior lighting: Not applicable.
2. Rear Warning Light: An LED rear fog light to EU regulation 7, an FIA homologated LED rear warning light, or an LED stop light to EU regulation 38 is mandatory, and must be mounted within 10cms of the centreline of the vehicle. The warning light must be switched on when required by the Clerk of the Course.
3. Batteries: 6 or 12 volt types allowed. Starter motors - an electrically powered starter motor may be used and is recommended but not mandatory.
4. Generators: not required.

5.11 Brakes - Classes A:

1. The brakes are to be drum type either mechanical or hydraulic operation. Early Austin pressed steel drums are not recommended.
2. For Class C pre '74 750 Formula cars: a dual separate braking system is required, whether mechanical, hydraulic or combined. Disc brakes are not allowed unless the car when originally built was fitted with them. Other drum brakes of pre 1939 type.

5.12 Wheels/steering:

1. **Wheels**
 - (i) Class A - spoke type with Austin 7, three-stud centres. Minimum rim diameter 14"; maximum width 5". Speedex pattern wheels are allowed on Speedex cars. The three-stud Austin wheel attachment must be used with large, plain, heavy washers under 'locknut' wheel nuts. Original type Austin 7 brass wheel nuts and peg wheel location not allowed. Other wheels of pre 1939 type.
 - (ii) Class C - Wheels must be period for pre 1974
2. **Steering**

Class A: An Austin Seven steering wheel/contemporary equivalent, Austin Seven steering box or reproduction copy and column to be used. Other pre 1939 steering boxes.

Class C: Free.

5.13 Tyres:

Class A: Any tyre, with a profile higher than 70, in the current year's MSA Blue Book List 1A or List 1B may be used and must be to MOT requirements in every respect.

Also permitted are

Dunlop L section or R5 tyres.

450 x 15 Dunlop

500 x 15 Dunlop

145/R x 14 Camac Road radials

145/80 x 14 Bridgestone radials

No alteration to the tyre from the manufacturer's specification is permitted. Re-cutting, re-grooving or in any other way modifying the tread pattern is not permitted. All the manufacturer's data must be clearly visible. Buffing of sidewalls to remove data is prohibited. The use of tyre heating/heat retention devices, tyre treatments are prohibited. Other tyres used by pre 1939 cars.

Class C: Road or treaded racing type. Low profile types allowed. If 'cut' slicks are used, there must be a minimum of 3 equally spaced circumferential grooves of at least 6mm width cut to the fullness of the tread, with a minimum tread depth of 2mm. The use of tyre heating/heat retention devices, tyre treatments and compounds is prohibited.

5.14 Vehicle Weight:

(Class A cars only) No minimum weight.

5.15 Fuel tank/fuel:

A non-return valve must be incorporated in the vent system.

1. There must be a fire-proof bulkhead between the fuel tank and the cockpit.

2. Fuel lines passing through the cockpit must be rigid metal or metal braided flexible construction.

3. **Fuel:** Only petrol as defined in Section B Nomenclature & Definitions, Pump Fuel a) section of the MSA Yearbook for the current year and complying with BS4040, BSEN228 or BS7800 may be used; fuel which exceeds the stated RON (max) levels in Appendix 1 of Section B Nomenclature & Definitions is prohibited even if it is sold/promoted as being legal for UK Competition and/or obtainable from 'roadside' pumps. The use of additives by competitors which boost the octane rating (RON) in any petrol is prohibited. At the end of practice and the race at least 3 litres of petrol from the tank of the competing car must be available to the scrutineers for analysis. Compliance with minimum weight for the car will be taken before the petrol is removed.

Class A cars running on fuel not complying with the above fuel regulation will be moved from class A to class C.

5.16 Silencing:

All vehicles must comply with the relevant maximum noise limits set out in MSA Blue Book regulation J. Chart 5.18.

5.17 Numbers and Series Decals

Race numbers must be displayed on each side of the vehicle (front doors, alongside the cockpit or on rear wing end plates) and as far forward on the front of the vehicle as possible. 750 Motor Club decals must be affixed prominently near all number backgrounds. For series with classes, class letters must be affixed near the number backgrounds. Series Sponsor's decals (where applicable) must be affixed in or near the positions detailed on the diagram supplied with those decals. 750 Motor Club and Series Sponsor's decals must take preference to any other decals. Failure to comply will render the vehicle and driver ineligible to race. A maximum of 5 decals (in addition to Series sponsor, 750 Motor Club, car name and driver's name decals) of up to 355 sq. cms. may be repeated on opposite sides and ends of the car. These decals may not be related to form a larger name or an image.

5.18 Prohibited Materials:

Magnesium alloy, titanium, Kevlar and carbon fibre are prohibited. Glass fibre, plastic laminate body parts may be used.

6. APPENDICES

6.1 Additional Eligibility for Class A.

1. Pre-1966 750 Formula cars must comply with the regulations in force when the car was raced before 1966. No further development is permitted. Pre 1939 sports or racing cars of similar performance.

6.2 Additional eligibility appendices for Class C

1. Eligibility regulation for 1172 Ford SV engined cars for Class C:

A) Chassis: Free. Engine to be in front position, ahead of driver.

B) Bodywork: Two seat sports or saloon types to be constructed in a safe and workmanlike manner and be presented in a clean and tidy condition. The internal width of the cockpit must be at least 32" wide x 28".

C) Engine: The power unit is to be based on side valve Ford 993cc or 1172cc engine casting (Ford 8, 10 or 100E types) of any type.

Modifications must not include forced induction (supercharging, turbocharging), conversion to OHV, reversal in function of the inlet and exhaust ports or the dividing of the siamesed inlet ports. Ford crankshaft to be used. Con rods are free. The standard stroke of 92.55mm must not be exceeded and the bore must not be greater than the Ford '10' 63.5mm plus 0.060" rebore allowance. Standard bore centres must be retained. Carburettors: two single or one twin choke are permitted. IGNITION: Only ignition systems that use only one trigger, inside the distributor or external, to initiate the low-tension current will be permitted. Any system that requires more than one sensor or input to provide another signal/voltage for any electronic/microprocessor control system will not be permitted.

D) Suspension: Solid axles front and rear, or IFS with solid rear axle. Springs and dampers free.

E) Transmission: Three or four speed conventional car gearboxes with mandatory reverse.

F) Electrics: as per 5.10.1; 5.10.2 & 5.10.4.

G) Brakes: Solid discs up to 9" diameter, with a cast iron 2-pot calliper from a series production car may be fitted only if disc brakes were fitted in period on the front wheels; discs may not be cross-drilled or grooved. Rear brakes are to be drums. Application may be made to the Series Coordinator for cars not complying with those restrictions and a waiver will be considered.

H) Wheels/Steering: No restrictions.

I) Tyres: Treaded road or racing - slicks not permitted.

Remould/retread tyres not permitted. If 'cut' slicks are used, there must be a minimum of 3 equally spaced circumferential grooves of at least 6mm width cut to the fullness of the tread, with a minimum tread depth of 2mm.

J) Vehicle weight: Minimum weight 8cwt with no allowance for topping up of fluids.

K) Fuel tank/fuel: as per 5.15.1; 5.15.2; 5.15.3.

2. Eligibility of other Vintage, PVT, Historic and Classic cars up to 1200cc, including 750 Formula up to December 1973. (Eligibility of newly constructed cars is described in 5.1).

Historic and Classic cars must be conforming to the regulations of their historic formula in all respects. No development is allowed or changes to engines, wheels, tyres, chassis etc., from the historic regulations pertaining to that formula. All of these cars are only accepted at the discretion of the Series Coordinator and Eligibility Scrutineer.

Eligibility regulations for Historic 500 cc cars for Class D:

a) Cars must have been originally built before 31st December 1961 and must comply with the original specification, the guidelines for which are given below. (Based on the 500 Owners' Association regulations for such cars)

b) Chassis, frame and suspension: This should be basically original and not have been subject to any major alterations. Chassis that are severely damaged and require rebuilding will be subject to inspection and proven history of the vehicle will be required.

c) Wheels: Replacement wheels of the same diameter as original and up to 1" wider may be used.

d) Tyres: As from 1st January 1982 the 13" wheels and tyres have been required to comply with a minimum rolling diameter and maximum profile width formulated to prevent the use of compounds

which are not available to the users of 15" wheels. The tyres which are allowed are:-

A. Road Tyres

(i). Radial ply tyres which are of the types listed and approved in the MSA 'Year Book' marked 125, 135, 145, 155, 165 x 15.

They may be of HR or SR speed rating. They must not be marked with anything but the width size and the wheel size e.g. 145 SR 15. Therefore '70', '65' and '60' profile tyres are not eligible.

(ii). Crossply tyres marked 560, 590, 600 and 640 x 15.

B. Racing Tyres

(i). Goodyear Formula 'Vee' tyres marked 590 x 15 and 620 x 15.

These tyres are no longer manufactured but many are still in use.

(ii). Dunlop 15" L or M profile tyres marked 450 x 15, 500 x 15 or 550 x 15. Compounds and tread patterns are free.

(iii). Dunlop Formula 'Vee' tyres marked 120/590 x 15 or 135/620 x 15 in any compound which Dunlop make them. In the very few cases where it is possible to prove that the car was raced on 13" rims under the original formula the only tyres eligible will be Dunlop L or M profile ones.

e) Bodywork: This should be of the original basic shape and preferably made of the same material as the original.

f) Engine and gearbox: The types are restricted to those available at the time that the cars were raced i.e. pre - 31st December 1961. The

engine must be externally, as original. Internal modifications are allowed, i.e. this permits free modification of cams, pistons, valves etc. "Replica" engines such as John Tickle Manx Norton and Modern Speedway JAPs are allowed provided that they are externally similar to the original engines; in the case of Cole crankcases - they will be permitted without modification. Twin plug heads of the period are allowed. The gearbox must retain the same number of ratios as the original but the ratios themselves are of free choice. The Norton Commando box is acceptable being basically a pre-1961 design. Clutches must be either solid disc or cork insert friction plate design. A Bewley clutch of this type may be used.

g) Engine ancillaries: The choice of carburettor, magneto, coil/contact-breaker ignition are all free. Transistorised ignition is not allowed.

h) Fuel and fuel additives: As per relevant Formula Junior/500 Owners Association regulations.

i) Supercharging: Cars raced in the 'up to 500cc' class cannot be supercharged.

j) Modifications: Original modifications to individual cars carried out before 31st December 1961, are usually accepted. All cars must comply with MSA Regulations.