



1: SPORTING REGULATIONS - GENERAL

1.1: TITLE & JURISDICTION:

The **HOT HATCH CHAMPIONSHIP** is organised and administered by the 750 Motor Club Ltd in accordance with the General Regulations of the Royal Automobile Club Motor Sports Association (incorporating the provisions of the International Sporting Code of the FIA) and these Championship Regulations.

- MSA Championship Permit No: CH2018/046**
- MSA Championship Grade: C.**
- Race Status: Clubmans / National B.**

1.2: OFFICIALS:

1. Co-Ordinator: G.Groombridge, Donington Park, Castle Donington, Derbyshire, DE74 2RP

☎ 01332 814548; ✉ giles@750mc.co.uk.

2. Eligibility Scrutineer: R.Blackmore

3. Championship Stewards:

R.Knight K. Messer I.Sowman

1.3: COMPETITOR ELIGIBILITY:

- Entrants must:
 - be fully paid up valid membership card holding members of the 750 Motor Club and
 - be Registered for the Championship and
 - be in possession of a valid MSA Entrants Licences.
- Drivers and Entrant/Drivers must:
 - Be current Members of the 750 Motor Club and
 - be Registered for the Championship and
 - be in possession of valid Competition (Racing) National B Licence, as a minimum
 - A professional driver, in possession of a valid Licence (featuring an E.U. flag) and medical, issued by the ASN of a member country of the European Union, or comparable country. ((H)26.2.1. applies)
 - If participation in the Championship requires absence from education a driver, in full time school education is required to have the approval of their head teacher and a letter stating such approval from their school in order to fulfil registration for the Championship. A driver shall not take time out of their education to participate in motor sport without the prior written approval of their education establishment.
- All necessary documentation must be presented for checking at all rounds when signing-on.

1.4: REGISTRATION:

- All competitors must register for the Championship by returning the Registration Form with the Registration Fee to the Coordinator prior to the Final Closing date for the first round being entered.
- The Registration Fee for the season is £130 payable upon registration. For competitors wishing to enter a single event a registration fee of £25 is payable; if further races are entered the balance of the £130 fee must be paid.
- Registration numbers will be the permanent Competition number for the Championship.

1.5: CHAMPIONSHIP ROUNDS:

The **HOT HATCH CHAMPIONSHIP** will be contested over the following rounds:

Date	Circuit	Round/s
18 Mar	Donington Park GP	2
21-22 Apr	Brands Hatch	2
26 May	Croft	2
30 Jun – 1 Jul	Pembrey	2
28 Jul	Cadwell Park	2
12 Aug	Silverstone International	2
6-7 Oct	Snetterton 300	2

1.6: SCORING:

- Points will be awarded to Competitors listed in the Final Results in each class as follows:-15; 12; 10; 9; 8; 7; 6; 5; 4; 3. All other finishers-2; all other starters - 1. Fastest lap per class - 1 point subject to a minimum of 2 starters in class. If there are less than 6 starters in any class, points will be 12; 9; 8; 7; 6. If there are less than 4 starters in any class, points will be 9; 8; 7. If there is only one starter in a class, there will be no point awarded for fastest lap.
- The totals from all qualifying rounds (excluding any races which are abandoned and which are not replaced) less 2 will determine the final championship points positions.
- Ties for end-of-season award winning places shall be resolved, when more than one competitor have equal totals, by taking into account the highest number of 1st places, 2nd places etc from the races they are counting as their best total (i.e. their finishing position in dropped rounds do not get taken into account). If that fails to find a winner their highest or subsequent highest dropped scores will be added to their existing total score until a conclusive result is found.

1.7: AWARDS:

- All awards are to be provided by the Organising Club unless agreed otherwise.
- Per Round: Awards of 1st, 2nd & 3rd in class will be given, subject to the number of starters as follows:- 2 to 3 starters -1st in Class only; 4 to 5 starters -1st & 2nd in class only; 6 or more starters - 1st, 2nd & 3rd in class.
- Championship: Trophies to:
 - 1st, 2nd & 3rd overall.
 - 1st, 2nd & 3rd in class subject to a minimum of 5 race starts.
 - Best prepared car.
 - Highest Placed Novice**
- Bonuses:
 - Per Round: Not applicable.
 - Championship: Not applicable
- Presentations: Garlands and Trophies are to be provided for presentation at the end of each race. Prize money and Bonuses shall be posted to the Entrants within one month of the results being declared final after each season.
- Entertainment Tax Liability: Not applicable.
- Title to all Trophies: In the event of any Provisional Results or Championship Tables being revised after any provisional presentations and such revisions affecting the distribution of any awards the Competitors concerned must return such awards to the 750 Motor Club Competitions Secretary in good condition within 7 days.

2: CHAMPIONSHIP EVENT MEETINGS & RACE PROCEDURES

1. ENTRIES:

- Competitors are responsible for sending in correct and complete entries with the correct entry fee prior to the closing date for entries before each event.
- Incorrect or incomplete entries (Including Driver to be Nominated Entries) are to be held in abeyance until they are complete and correct and the date of receipt for acceptance of entry purposes shall be the date on which the Meeting Organiser receives the missing or corrected information or fee.
- Any withdrawal of Entry or Driver/Car changes made after acceptance of any entry must be notified to the Meeting Organisers in writing. D25.1.12. applies.
- The Entry Fee for each event shall be specified in the SRs and on the entry form.
- Reserves will be listed in the Final List of Entries published with Final Instructions or in a Bulletin.



2. BRIEFINGS: Organisers should notify Competitors of the times and locations for all briefings in the Final Instructions for the meetings. Competitors must attend all briefings.

3. QUALIFICATION PRACTICE:

1. Should any Practice session be disrupted the Clerk of the Course shall not be obliged to resume or re-run the session; the decision of the Clerk of the Course shall be final.
2. Each driver shall complete a minimum of 3 laps in the car to be raced, and in the correct session, in order to qualify (MSA Regulations Q4.5).

4. RACES: Should any race be disrupted the Clerk of the Course shall not be obliged to resume or rerun the race ((Q)5.4.) (1.6.4. above applies)

5. STARTS:

1. All cars will be released to form up on the grid prior to the start in formation as specified on the grid sheet.
2. The start will be via Standing start. The minimum Countdown procedures/audible warnings sequence shall be:-
 - I. 1 minute to start of Green Flag/Pace Lap - Start Engines/Clear Grid.
 - II. 30 Seconds - Visible and audible warning for start of Green Flag/Pace Lap.
 - III. A five second board will be used to indicate that the grid is complete.
 - IV. The red lights will be switched on five seconds after the board is withdrawn.
3. Any car removed from the grid after the 1 minute stage or driven into the pits on the Green Flag lap shall be held in the pitlane and may start the race after the last car has passed the startline or pitlane exit, whichever is the later to take the start from the grid.
4. Any driver unable to start the Green Flag/Pace lap or start are required to indicate their situation as per MSA Regulation (Q)12.13.2. In addition any driver unable to maintain grid positions on the Green Flag Lap, to the extent that ALL other cars are ahead of them, may complete the Green Flag lap but MUST remain at the rear of the last row of the grid but ahead of any cars to be started with a time delay.
5. In the event of any starting lights failure the Starter will revert to use of the National Flag.

6. SESSION RED FLAG: Should the need arise to stop any race or practice, RED LIGHTS will be switched on at the Startline and RED FLAGS will be displayed at the Startline and at all Marshals Signalling Points around the Circuit. This is the signal for all drivers to cease circulating at racing speeds, to slow to a safe and reasonable pace and to return to the pit lane, during practice, and to the starting grid area, during a race, unless otherwise directed by officials. Cars may not enter 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 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. Compatible transponders include the AMB TRANX 260 and MyLaps X2.

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

12. OPERATION OF SAFETY CAR: As Q4.9.1

13. ONBOARD CAMERAS: {deleted}

3: SPECIFIC CHAMPIONSHIP REGULATIONS

In the event of any rounds being oversubscribed the Organising Club may, in liaison with the Championship Coordinator, at their discretion run Qualification races as per 2.11 of these regulations. Alternatively at double header race meetings, should there be sufficient space within the timetable, the Organising Club may divide the grid after qualifying into 3 separate Groups. The Groups will then form 3 races whereby each competitor participates in two races. All 3 races will be eligible for full championship points.

At each Round of the championship Race 1 grid positions will be determined by each competitor's fastest lap time in Qualifying. At double header meetings, the grid positions for Race 2 will be determined by the finishing order in Race 1.

4: SPECIFIC CHAMPIONSHIP 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 CHAMPIONSHIP PENALTIES:

1. In the case of a driver being excluded from a race, the Clerk of Course will impose the penalties set out in MSA Regulation C3.5.1 a & b and may impose the penalty set out in MSA Regulation C3.5.1 c.
2. In order to maintain standards of conduct, the Championship Organisers will monitor all Officials/Observers reports of adverse behavior at race meetings. If any individual is included on two such reports during one racing season the Championship Organisers will request the Clerk of Course at future race meetings to consider specific observation of that driver's conduct.
3. The Clerk of Course may impose a "Stop-Go" or "Drive through"



penalty during a race in accordance with MSA Regulation Q.12.6.

4. Any Competitor who is penalized under the Championship Sporting Regulations at any stage of a Championship event and receives an allocation of penalty points on their race license in accordance with MSA Regulations, will receive a grid slot penalty at the next round in which they compete following the allocation of penalty points, equal to the number of penalty points which were allocated. Double headers will be considered as two separate rounds; however if the decision to allocate penalty points is delayed such that further round/s of the Championship have taken place since the offence, the grid slot penalty will be implemented at the next round in which they compete after the allocation of the penalty points.

The penalty will mean that a Competitor will be moved back grid slot places from their grid position (e.g. if a Competitor with a three grid slot penalty had a qualifying time that was good enough for pole position then the Competitor will start fourth on the grid). If for any reason the imposition of this grid penalty is impractical (such as the competitors qualifying time, starting from the pit lane etc.) or the offence occurs at the final meeting of the season, a time penalty of 5 seconds will be added to the elapsed time of the Competitor.

5. Championship Stewards are also empowered to consider any request from the Championship co-ordinator to penalize any Competitor for any breach of Championship regulations and, after holding a formal hearing if they deem it necessary, to impose a penalty in accordance with MSA Regulation C.2.1.1 (subject to the rights of appeal provided for in Section C.)

6. One or more of the following may be imposed by the Championship Stewards as appropriate;

- a) Reprimand
- b) Fine. This may be also applied in the case of a driver receiving three reprimands from the Championship Stewards in one season.
- c) Time or Grid Penalties
- d) Suspension from all or part of the Championship. This may also be applied in the case of a driver receiving two fines from the Championship Stewards in one season.

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.

STANDARD: The word 'standard' used within these technical regulations as a description of components is to be interpreted as per 'Standard Part' defined in **Section B – Nomenclature & definitions** in the MSA Blue Book. Checking will be by comparison to spare parts supplied by the manufacturer's official agent or by any other means necessary to ensure compliance. It applies to the specified component/s from the manufacturer's parts list for the model / engine shown on the entry form or registration form. No modifications permitted beyond the repair or adjustment processes specifically specified by the manufacturers' workshop manual or microfiche.' Checking will be by comparison to spare parts supplied by the manufacturer's official agent or by any other means necessary to ensure compliance.

5.2: GENERAL DESCRIPTION:

The **750 Motor Club Hot Hatch Championship** is designed to offer competitors a great deal of freedom in tuning a production based hatchback whilst at the same time providing a framework that keeps cars competitive and cost effective. **The class structure will be organised on a bhp (at the flywheel) per tonne basis as follows, where the vehicle weight is inclusive of the driver:**

Class	Definition
A	260bhp/tonne

B	200bhp/tonne
C	145bhp/tonne

With the exception of the Mini Cooper R53 to 2017 Super Cooper Cup specification which is permitted in Class B, forced induction engines are not permitted. Four Wheel Drive is not permitted.

Drivers must declare their vehicle power at the flywheel and vehicle weight at the time of registration. Drivers may be requested to take their vehicle (at their own expense) to one of the Championship designated rolling roads either prior to participation or after competing (including the 750 Motor Club mobile MAHA dyno) where the car will be power tested in order to assess whether it is within the correct class limit. **Failure to comply will result in exclusion** The designated rolling road centres for the Championship (including the 750 Motor Club mobile MAHA dyno) will all use MAHA LPS 3000 or FPS 2700 equipment.

A list of designated locations can be found in Appendix 1 to these regulations.

5.3: SAFETY REQUIREMENTS:

Cars must comply with the relevant sections of MSA Regulations K. Roll cages must be as per MSA blue book section K1. Driver and passenger door bars are mandatory.

5.4: GENERAL TECHNICAL REQUIREMENTS & 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.

5.5: ACCEPTABLE CARS:

Any production hatchback that has been sold in the UK. Non hatchbacks may be considered at the organiser's discretion.

5.6: BODYWORK:

1. Modifications Permitted:

- 1. General:** Mandatory fitment of laminated windscreen. All other windows (not sunroof) may be replaced with Lexan. The addition of colourless safety film to the glass is permitted.
- 2. Interior:** Driver's seat must be replaced with a competition seat fitted in accordance with K2.2. Passenger seat, floor coverings, roof lining, radio/stereo units speakers and associated wiring may be removed. Tools must be removed. Spare wheels must be removed. Additional and/or replacement instruments are permitted; Steering wheel may be changed. Airbags must be removed. Glass sunroofs must be removed or replaced as per MSA regulation Q19.14.6. Electric window winding mechanisms may be replaced by a manual window winding mechanisms, all weather strips/channels must be retained. It is permitted to remove the standard heating, air conditioning and ventilation system. If the standard heating system is removed then a windscreen demisting solution must be installed. An interior rear view mirror must be fitted to the left of the driver (or right if the car is left hand drive). Interior door panels may be removed or replaced with those of an alternative material, central locking and manual interior door lock switches must be disabled.
- 3. Exterior:** Wing mirrors are free. The standard engine bay cover locking mechanism must be disabled; only bonnet pins may be used to secure the engine bay cover in the closed position. Replacement body panels must be of original shape but may be of a different material and thickness. Holes may be made in the front and rear bumpers for cooling purposes. Vents may be fitted in the bonnet for cooling purposes. **Modifications to the inside of the wheel arch are permitted to provide clearance is permitted.**
- 4. Silhouette:** No alterations to standard with the exception of the following: a front splitter with a maximum protrusion of 7cm from the

front of the bumper and 5cm from the side of the bumper. It is permitted to deform by rolling/flaring/hammering the outside wheel arch up to a maximum of 25mm. Front wings may be spaced at the lower edge to a maximum of 25mm, but the bonnet/wing gap must remain standard. Replacement wings (irrespective of material) must be of original design with no additional aerodynamic shaping and or venting. A single element aerodynamic rear wing is permitted. Such devices must not extend beyond the maximum width of the vehicle, above the maximum height of any roof and such devices must not extend longitudinally from the bodywork by more than 100mm. Non-standard side skirts are permitted but must not extend past the maximum width of the vehicle and not contravene the ground clearance regulation.

5. Ground Clearance: It is permitted to alter the ride height. Under no circumstance can any part of the bodywork, or of the suspended part of the car excluding the exhaust system, be below a horizontal plane passing 50mm above the ground, the car being in normal racing trim with the driver aboard. A gauge of 50mm may be used by Scrutineers before or after races or practice to check the ground clearance; the vehicle may be stationary or moving during any testing.

2. Modifications Prohibited:

All Classes:

- 1. General:** The exterior of the car must be standard for the model being raced.
- 2. Interior.** A full width dashboard must be used.
- 3. Exterior:** Additional aerodynamic devices including rear diffusers, canards and flat floors are not permitted. It is not permitted to increase the width of the wheel arch by the addition of material. Bonnet must remain in the normal position and, when closed, must not have any non-standard gaps at any of their edges. Fitment of tape, sealant or addition of any material of any type to close body gaps (e.g. bonnet to wing) is prohibited.
- 4. Silhouette:** Any in contravention of 5.6.1.4.
- 5. Ground Clearance:** Any in contravention of 5.6.1.5.

5.7: ENGINE:

All classes:

Any production engine originally produced by the manufacturer or manufacturing group (i.e VAG – Volkswagen Audi Group or PSA – Peugeot/Citroen) in question. Engine power at the flywheel (in bhp) must be declared at the time of registration. The organisers reserve the right to power test any vehicle on a portable dyno / rolling road under parc fermé conditions after a race or qualifying session. Failure to comply will result in exclusion

- 1. Modifications Permitted:** Modifications to head and block are free, but must be based on the original standard parts. Crankshaft, connecting rods, pistons, valves, camshafts and inlet and exhaust manifolds are all free. Cylinder capacity may be increased or decreased by modifying cylinder bore and/or piston stroke.
- 2. Modifications Prohibited:** Forced induction is not permitted. Cars in Class C may not use multiple throttle bodies or a carburettor setup with more than two throttle butterflies.
- 3. Location:** Engines must retain their original orientation within the car.
- 4. Oil/Water cooling:** Water radiators are free in terms of number, location and capacity. Engine and gearbox oil coolers are permitted and are free. Additional ducting is permitted. Sump type and material is free. Oil control systems (such as an accumulator sump) are also permitted.
- 5. Induction Systems:** Induction systems are free. The crankcase breather must recirculate or vent directly to a catch tank.
- 6. Exhaust systems:** Exhaust systems are free but must comply with MSA regulations J 5.16.1 – 5.16.7.

7. Ignition systems: Ignition systems are free. Engine management systems (ECUs) are free, provided that they do not provide any kind of traction control.

8. Fuel delivery systems: Fuel delivery systems including pumps, injectors, filters and tanks are free subject to meeting MSA safety requirements.

5.8: SUSPENSION:

- 1. Class A:** Suspension is free however push-rod and pull-rod activated suspensions systems are not permitted, suspension mounting points may be modified. Dampers and springs are free; dampers must be no more than 3 Way adjustable.
- 2. Class B and C:** Suspension is free, but must use the original pick-up points which may not be modified.
- 3.** Dampers and springs are free; dampers must be no more than 3 Way adjustable.
- 4.** It must not be possible for the driver to make any changes to the suspension geometry whilst seated in the cockpit. Electronically adjustable suspension systems are not permitted. The wheelbase and track may be modified by using bolt on hub extensions or wheel offsets. Wheels must remain within the bodywork.

5.9: TRANSMISSIONS:

Class A: Gearboxes and Differentials are free. The use of any aftermarket electronic traction control device is prohibited

Class B:

Gearboxes must be a standard production unit from the original manufacturer and remain in their original location and orientation within the vehicle

- 1. Permitted modifications:** Aftermarket gear kits are permitted. Differentials are free but may not be electronically controlled.
- 2. Prohibited modifications:** Fully sequential gearboxes are not permitted.
- 3. Transmissions & Drive ratios:** Gearbox and final drive ratios are free. The use of any aftermarket electronic traction control device is prohibited

Class C:

Gearboxes must be a standard production unit from manufacturer or manufacturing group (i.e VAG – Volkswagen Audi Group or PSA – Peugeot/Citroen) and remain in their original location and orientation within the vehicle

- 1. Permitted modifications:** N/A
- 2. Prohibited modifications:** Limited slip differentials are not permitted unless fitted as standard.
- 3. Transmissions & Drive ratios:** The use of any aftermarket electronic traction control device is prohibited. Gearbox and final drive ratios must remain as standard for the model being raced.

5.10: ELECTRICS

1. Exterior Lighting: All cars must be fitted with two rear brake lights which must be fully functional at all times, all other exterior lights are optional with the exception of 5.10:2

2. Rear Warning Light: An MSA approved or FIA homologated LED rear warning light is mandatory and must be mounted in accordance with MSA regulations. Non integral rear fog lights may be removed. Integral rear fog lights must be rendered inoperative.

3. Batteries: There are no restrictions on type or location of batteries, subject to MSA regulations. A battery and electric starter motor must be fitted and be capable of repetitive starts. No external (slave) batteries may be used

4. Generators: A fully working alternator and pulley must be fitted and electrically connected so that the standard battery charging



function is providing a charge to the onboard battery.

5.11: BRAKES

Class A & B:

1. Permitted Modifications: Brake callipers, disks and pads are free. Deformation or removal of back plates is permitted. Fitting of alternative brake piping/hosing is permitted. Brake bias valves are permitted. ABS where fitted as standard may be disabled or removed. Cars not originally fitted with ABS may be retrofitted with the ABS system from the same model only.

2. Prohibited Modifications: Carbon discs are not permitted.

Class C:

1. Permitted Modifications: Deformation or removal of back plates is permitted. Fitting of alternative brake piping/hosing and permitted, use of a brake bias valve is permitted. ABS if fitted may be disabled. Discs may be replaced by 'non-genuine' parts of standard dimensions, discs may be cross-drilled or grooved. Brake pads are free.

2. Prohibited Modifications

Brake callipers must be standard for the model of car being raced.

5.12: WHEELS / STEERING

Steering rack is free and may be either powered or manual.

If fitted with a steering lock, this should be rendered inoperative, unless the vehicle is driven to the circuit on the highway.

1. Permitted Options: Wheels may be steel or alloy only.

2. Prohibited Options: Magnesium wheels are not permitted

3. Construction & Materials: As above.

4. Dimensions: Wheel Diameter must be no greater than 18." Wheel width must be no greater than 9". Offset is free.

5.13: TYRES

Any MSA List 1A, 1B or 1C tyre is permitted. Diameter, width and aspect ratio are free. 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. Tyres must be to MoT requirements in

every respect. The use of tyre heating/heat retention devices, tyre treatments and compounds is prohibited.

5.14: VEHICLE WEIGHT:

Vehicle & Driver weight must be declared at the time of registration. The minimum vehicle weight for individual cars will be calculated from the declared or tested power of the vehicle. This figure must be displayed as a graphic on the side window of each car.

5.15: FUEL TANK / FUEL

1. Types: Free. A non-return valve must be incorporated in the vent system.

2. Locations: If present, the standard fuel tank must be in standard position. The location of aftermarket tanks is free subject to meeting MSA safety criteria.

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.

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 & CHAMPIONSHIP DECALS

1. Positions:

Championship Sponsor's decals must take preference to any other decals. Failure to comply will render the vehicle and driver ineligible to race.

2. Suppliers: Sponsors and Club decals will be available at the first Championship race in which the vehicle is entered.



Appendix 1: Nominated MAHA Rolling Roads:

**EDM
(Bicester)**

E.D.Motorsport,
Unit 7 Field Farm Business Centre,
Nr Launton,
Bicester, Oxfordshire,
OX26 5EL
Tel: 01869 278 942

**TI Motorsport
(Stoke)**

TI Motorsport LTD
Tegiwa House
Sutherland Road
ST3 1HZ
Tel: 01782 950315

Tel: 01763
208043

**Revivals
(Duxford)**

Revivals Garage
Lodge Road
Thriplow, Royston
Herts
SG8 7RN

**Alive Tuning
(Louth)**

Unit 1 & 2
Meridien Centre
Belvoir Way
Fairfield Industrial Est.
Louth
Lincolnshire
LN11 0LQ
Tel: 01472 812900

750 Motor Club (Mobile Dyno)

Donington Park
Castle Donington
Derbyshire DE74 2RP



Appendix 2:

Specific Regulations for the R53 Mini for use in Class B. The following items relating to the R53 Mini must be adhered to in order for the car to be able to compete in Class B.

1. ENGINE:

W11B16

All internal engine parts must be unmodified standard BMW MINI parts. It is the competitor's responsibility to ensure that no prohibited modifications have been carried out even if they are using an engine not assembled by them. No modifications are permitted beyond the repair or adjustment processes specifically described within manufacturers workshop manual.

Cylinder heads must be 'as cast' and unmodified. It is permitted resurface the gasket mating face of the cylinder head and block. The minimum permitted head thickness is 97.1mm.

Cars may be required (at the driver's expense) to attend a 750 Motor Club approved Rolling Road dyno (see appendix) for a power test. The maximum permitted power is 220 bhp at the flywheel. Maximum torque permitted is 190lbft.

Vehicles exceeding this figure by more than 1% will be subject to disqualification from the series or further technical checks.

Modifications Permitted:

No modifications are permitted beyond the repair or adjustment processes as specified in the manufacturers workshop manual. Replacement of valves, valve guides and valve seats must be with parts of standard pattern and material. Flywheels - may use either the standard dual mass flywheel, or a be replaced with a single mass flywheel. Front Crankshaft pulley, is free but must remain the standard diameter. Supercharger Pulley – may be standard or a reduction pulley of a diameter up to 15% less than standard. Intercooler – may be replaced with an aftermarket version.

Modifications Prohibited:

It is specifically prohibited to modify inlet ports, exhaust ports and combustion chambers in any way. Camshaft profiles and cam timing must remain as standard.

Location:

Position and mounting method must be standard for the model being raced. Uprated mounting bushes are permitted.

Oil/Water cooling:

Water radiators may be replaced with aftermarket versions. Engine oil coolers are permitted.

Induction Systems:

The induction system on the engine side up to, and including the throttle body must remain standard. The air intake components on the atmosphere side of the throttle body are free. The supercharger must be standard. Both Pre and Post 2004 Superchargers are permitted. No other modifications are permitted.

Exhaust systems:

Exhaust systems must exit at the rear of the vehicle. The exhaust manifold must be standard up to the flexible joint. The exhaust system must contain an operational catalytic converter that all exhaust gases must travel through. The remainder of the exhaust system including silencer is free.

Ignition systems / Engine management:

The standard Engine Control Unit, wiring and sensors must be retained. All sensors must function as originally intended. The ECU must see correct values from all sensors. The ECU may be re-flashed. Plug leads, spark plugs and coil are free.

Fuel delivery systems:

The entire fuel delivery system must remain as standard.

2. SUSPENSIONS:

Permitted modifications:

Dampers may be replaced with coilover type units. Spring rates are free. Rubber suspension bushes may be replaced with polyurethane alternatives, but these must not provide geometry adjustment. Geometry changes must only be possible through adjustment of standard components, with the exception of the front camber which may be adjusted via an aftermarket adjustable top mount. Front camber must not exceed 3.5 degrees neg. Anti-roll bars may be replaced with aftermarket versions. It is permitted to have an alternative yet suitably strong method of fixing the front wishbone rear bush housing. A front strut brace is permitted. It is permitted to retrofit post 2004 rear suspension components to pre 2004 cars.

Prohibited modifications:

Dampers may not be more than 2-way adjustable. Modifications to the suspension pick-up points are prohibited; this includes the 'slotting' of suspension mounting points. Rose joints / spherical bearings where not fitted as standard are prohibited.

Wheelbase:

The wheelbase must be standard for the model being raced; there is a tolerance of 2mm on the dimension.

3. TRANSMISSIONS:

Permitted modifications:

Must be fitted with a standard 6 speed Getrag R53 gearbox. Gearbox codes BKD BKE and BKL are permitted. 3 Limited slip differentials types are permitted. 1, Original equipment. 2, Quaife Pt/No QDF382 3, 3J driveline Pt/No 3J0318 All LSD's must remain as supplied and unmodified.

Transmissions & Drive ratios:

All gear ratios must remain standard reference to the gearbox code. The use of a non standard electronic traction control device is prohibited.

4. BRAKES

Permitted Modifications:

Front brakes may be upgraded to a maximum of 330mm discs with calipers having a maximum of 4 pistons each.

Rear brake calipers and rear disc size must be standard. Pre and Post 2004 rear calipers are permitted provided they are fitted in matching pairs.

The standard unmodified ABS system must be retained and must * be fully operational 'on request'. The ABS system may only be deactivated electrically by removing power supply fuses. The ABS system must not be switchable from active to deactivate whilst the car is being driven. Random checks with diagnostic equipment may be carried out to ensure that the ABS system can be fully serviceable. Restrictor valves, BMW part No 34331152494 installed inline with each rear brake caliper are permitted.

Deformation or removal of back plates, additional front ducting within the overall periphery of the bodywork, and the fitting of alternative brake piping/hosing is permitted.

It is advised to protect front ABS sensors from heat, should the front modified or removed disc back plates be

Prohibited Modifications

All not permitted above



5. WHEELS / STEERING

Permitted Options.

Maximum wheel size is 7.5J X17. Maximum offset is et35

Maximum offset should include any wheel spacers used. ie, et 45 wheel with a 10mm spacer = et35

It is permitted to convert from wheel retaining bolts to wheel studs with nuts.

Prohibited Options.

Construction & Materials: Steel or alloy only. Magnesium wheels are prohibited.

6. VEHICLE WEIGHT

Minimum race weight 1120kg

All minimum weights are including driver and race overalls, helmet etc.

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