



## 2013 – Quaife Motorsport News Saloon Car Championship

1. Sporting Regulations General	2
1.1 Title & Jurisdiction	2
1.2 Officials	2
1.3 Competitor Eligibility	2
1.4 Registration	3
1.5 Championship Rounds	3
1.6 Scoring	3
1.7 Awards	3
2. Sporting Regulations – Judicial Procedures	4
2.1 Rounds	4
2.2 Championship	4
3. Sporting Regulations – Championship Race Meetings & Race Procedures	4
3.1 Entries	4
3.2 Briefings	5
3.3 Practice	5
3.4 Qualification	5
3.5 Races	5
3.6 Starts	6
3.7 Race Stops	7
3.8 Re-Scrutiny	7
3.9 Assembly Area/Pits & Pitlane Safety	7
3.10 Race Finishes	7
3.11 Race Results	7
3.12 Timing Modules	7
3.13 Qualification Races	8
3.14 Operation of Safety Car	8
3.15 Driving Standards	8
4. Championship Race Penalties	8
4.1 Infringements of Technical Regulations	8
4.2 Infringements of Non -Technical MSA Regulations & the Sporting Regulations issued for the championship	8
5. Technical Regulations	9
5.1 Introduction	9
5.2 General Description	9
5.3 Safety	9
5.4 General Technical Requirements & Exceptions	9
5.5 Chassis	10
5.6 Bodywork	11
5.7 Engine	12
5.8 Suspension	14
5.9 Transmission	14
5.10 Electrics	15
5.11 Brakes	15
5.12 Wheels/Steering	15
5.13 Tyres	16
5.14 Weights	16
5.15 Fuel Tank & Fuel	16
5.16 Silencing	17
6. Appendices	17
6.1 Race organising Clubs and Other Useful Contacts	17
6.2 Commercial Undertakings	17
7. Registration Form	17

## 2013 – Quaife Motorsport News Saloon Car Championship

### 1 Sporting Regulations General:

#### 1.1 Title & Jurisdiction:

The 2013 – QUAIFE MOTORSPORT NEWS SALOON CAR CHAMPIONSHIP

is organised and administered by the British Automobile Racing Club, SOUTH EASTERN CENTRE (SEC) 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. CH2013/R048

Race Status: National B MSA

Championship Grade: C

#### 1.2 Officials:

##### 1.2.1 Championship Co-ordinators:

Technical Co-ordinator:

Cheryl Tilbury: 36 Albany Heights, Hogg Lane, Grays, Essex, RM17 5XN

Telephone 07982 187650 email: chezza@alrob.net

Preferred method of contact is email or text message. Available by telephone 6pm to 9:30pm weekday evenings and all day, until 9:30pm weekends.

##### 1.2.2 Licensed Eligibility Scrutineers:

Eligibility Scrutineer:

Brian Hopper: 21 Hurstlands, Oxted, Surrey RH8 0HF.

Tel: 07970041382 email: brianahopper@gmail.com

##### 1.2.3 Championship Stewards:

Any three of: Brian Reeves – Jason Watkins – Jim Keenan – Reg Powell – Roger Burgess

#### 1.3 Competitor Eligibility:

##### 1.3.1 Entrants must be fully paid up valid membership card holding members of the BARC South Eastern Centre, and in possession of valid 2013 MSA Entrant's Licences.

##### 1.3.2 Drivers and Entrant/Drivers must be fully paid up valid membership card holding members of the BARC South Eastern Centre, be registered for the Championship and be in possession of valid Competition (Racing) NATIONAL B STATUS Licence as a minimum.

Or, be a professional driver in possession of a valid licence (featuring an EU flag) and medical, issued by the ASN of a member country of the European Union.

A competitor shall not take time off school to participate in motor sport without the prior written approval of their school. If participation in the Championship requires absence from school, Drivers in full time school education are required to have approval of their head teacher and a letter stating such approval from his/her school in order to fulfil registration for the Championship.

##### 1.3.3 All necessary documentation must be presented for checking at all rounds when signing-on.

#### 1.4 Registration:

##### 1.4.1 All DRIVERS must register as competitors for the championship by returning the registration form with the registration fee to the co-ordinator prior to the final closing date for the first round being entered.

##### 1.4.2 Registration Fee: Registration is £30, made payable to BARC SEC

##### 1.4.3 Registrations will be accepted from 1st January 2013 until the closing date for entries to the last round.

## Published Version

- 1.4.4 Registration numbers will, wherever possible, be the permanent Competition numbers for the Championship.
- 1.4.5 Registration shall only be deemed complete if the vehicle log data sheet is completed in its entirety, accompanied by a colour photograph & submitted at the same time as the registration form.

## 1.5 Championship Rounds:

The **2013 Quaife Motorsport News Saloon** Car Championship will be contested over 16 rounds at Brands Hatch, Lydden Hill, Snetterton and Silverstone Circuits as follows:

Date	Circuit	Organising Club/Centre
* April 20 & 21	Brands Hatch (indy)	BARC HQ
* May 5	Brands Hatch (Indy)	MGCC
* May 25	Brands Hatch (Indy)	MSVR
* June 15 & 16	Lydden Hill	BARC SE
* July 20 or 21	Snetterton 300	BRSCC
* August 25	Brands Hatch (Grand Prix)	MSVR
* September 7	Silverstone (National)	MSVR
* November 2 & 3	Brands Hatch (Indy)	BARC HQ

Events indicated with a \* are multiple race rounds with points scored in both races: see 1.6.1 & 3.5.3

- 1.5.1 In accordance with MSA regulation D11.1 the organisers reserve the right to amend the published list of dates and rounds, in which case, all registered competitors will be informed of the amendments by Official Bulletins posted to the address specified on the Official Registration Form.

## 1.6 Scoring:

- 1.6.1 Points will be awarded to Competitors listed as classified finishers in the Final Results for each championship race as follows:

Finishing Position	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th in class and below
Points Awarded	24	20	18	16	14	12	10	8	6	4

Plus one point for each competitor beaten in class up to an additional 5 points

In Multiple Race Rounds [see 3.5.2] two races will be run. Full championship points shall be awarded for both races at each event.

- 1.6.2 The best 15 scores by a competitor from championship races will determine final championship points and positions. Unless any championship rounds or races are cancelled in which case the number of scoring results will be reduced proportionally.
- 1.6.3 Ties shall be resolved using the formula in MSA Regulation W1.3.4 in the **2013** MSA Yearbook.

## 1.7 Awards:

- 1.7.1 Awards for Championship rounds will be provided by the organising club.

- 1.7.2 Per Round: Subject **to finishers** in each class, trophies to:-  
Class winners  
2nd in class if five or more starters in class,  
3rd in class if eight or more starters in the class.

- 1.7.3 Championship provided by the BARC South Eastern Centre:  
Trophies to: (subject to competing in a minimum of 50% of rounds)  
Overall Saloon Champion - BARC SEC Paddy Hopkirk Trophy for a maximum of 11 months  
Class Champion (subject to three or more registered contenders in class)  
Class Runner-Up (subject to five or more registered contenders in class)  
Class Third Place Driver (subject to eight or more registered contenders in class)

- 1.7.4 Bonuses:

## Published Version

The Championship Organising Club will endeavour to obtain sponsored awards or bonuses during the series and reserves the right to introduce same at any time without any obligation to distribute such awards retrospectively.

### 1.7.5 Presentations:

Winners Caps or Garlands and Trophies are to be provided for presentation at the end of each race or at an end of the meeting presentation ceremony. Prize money and bonuses, if any, shall be posted to the Entrants within 10 days of the results of each round being declared final.

### 1.7.6 Entertainment Tax liability:

In accordance with current Government legislation, the Organisers of each round are legally obliged to withhold tax at the basic rate on all payments to non-UK resident sportsmen/women and account to HMRC using form FEU1 the quarterly return of payments made to non-resident entertainers and sportsmen/women.

That is, those persons who do not have a normal permanent residence in the U.K. The U.K. does not include the Isle of Man, Channel Islands, or Eire. This means that, as the Organiser, the BARC SEC is required to deduct tax at the current rate from such payments they may make to non-U.K. residents.

Under certain circumstances, it may be possible for competitors to enter into an agreement with the Inland Revenue to limit the tax withheld. Any application for such an arrangement must be made in writing and not later than 30 days before the payment is due.

For further information contact:- HMRC Personal Tax International, Foreign Entertainers Unit, St Johns House, Merton Road Liverpool, L75 1BB. Tel: 0151 472 6488. F: 0151 472 6483.

### 1.7.7 Title to all Trophies:

In the event of any Provisional Results or Championship Tables being revised after any provisional presentations and such revisions affect the distribution of any awards the Competitors concerned must return such awards to BARC, BARC SEC or the Organising Club in good condition within seven days.

## 2 Sporting Regulations - Judicial Procedures

### 2.1 Rounds:

In accordance with Section C of the current MSA Yearbook.

### 2.2 Championship:

In accordance with the Section C of the current MSA Yearbook.

## 3 Sporting Regulations – Championship Race Meetings & Race Procedures

### 3.1 Entries:

3.1.1 Competitors are responsible for sending in correct and complete entries with the correct entry fees prior to the entry selection dates, which shall be 17 days before each round.

3.1.2 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 Secretary of the Meeting receives the missing or corrected information or fee.

3.1.3 Any withdrawal of Entry or driver/Car changes made after acceptance of any entry must be notified to the Secretary of the Meeting in writing. If Driver/Vehicle changes are made after publication of Entry Lists with Final Instructions the Competitor concerned must apply for approval of acceptance by the Stewards of the Meeting BEFORE Signing-On.

3.1.4 The maximum entry fee for each round will be £320.00 but are expected to be in the region of £275.00  
Plus any Late Entry Surcharge imposed by the race meeting organisers for any entry received after the closing date specified in the Regulations for each round.

## Published Version

- 3.1.5 In the event of any rounds being oversubscribed the Organising Club; in liaison with the Coordinator may at their discretion initiate the selection process detailed in 3.1.7 & 3.1.8 below.
- 3.1.6 Reserves are to be nominated on the Final List of Entries published with Final Instructions or Amendment Sheet Bulletins. All Reserves will practice and replace withdrawn or retired entries in Reserve Number order irrespective of class. If Reserves are given Grid Places prior to issue of the first Grid Sheets for any round, the times set in Practice shall determine their grid positions. If Reserves are given places after publication of the grid sheet and prior to cars being collected in the Official "Assembly Areas" they will be placed at the rear of the Grid and be started without any time delay. Otherwise, they will be held in the "Assembly Area" and be released to start the race after the last car to start the GREEN FLAG LAP or last car to take the start has passed the start line or pit lane exit, whichever is later. Such approval to start MUST be obtained from the Clerk of the Course.

3.1.7 All entries received shall be time and date stamped in order of receipt and opening.

The BARC SEC shall be permitted to seed entries as detailed in 3.1.8.

3.1.8 The format for selecting entries shall be as follows.

Championship rounds 1 & 2: entries shall be granted strictly in order of receipt and opening.

Round 3 onwards: In the event of the number of entries being greater than available grid size preference shall be given to competitors who have competed at the greatest number of previous championship rounds in 2013, provided they have registered and entered by the closing date for that meeting.

In the event that the previous number of championship rounds competed in produces a "tie" with multiple competitors with equal entitlement to an entry exceeding available grid size available the "tie" shall be split by referring to date and time of receipt and opening of the entry with priority going to the earliest.

## 3.2 Briefings:

Organisers should notify competitors of the times and locations for all briefings in the Final Instructions for the meetings. Competitors must attend all **mandatory** briefings.

## 3.3 Practice:

The minimum period of practice to be provided is to be as specified in the MSA Regulations for each circuit visited.

Should any Practice Session be disrupted the Clerk of the Course shall not be obliged to resume the session or re-run sessions to achieve the championship criteria and the decision of the Clerk of the Course shall be final.

## 3.4 Qualification:

Each driver should complete a minimum of three laps practice in the car to be raced and in the correct session in order to qualify for selection and order of precedence as set out in the MSA Regulations Q4.5. The Clerk of the Course and/or Stewards of the Meeting shall have the right to exclude any driver whose practice times or driving are considered to be unsatisfactory - as per MSA Regulations Section Q4.5.

## 3.5 Races:

3.5.1 The minimum scheduled distance shall be determined by the race format [see below] whenever practicable but should any race distance be reduced at the discretion of the Clerk of the Course or Stewards of the Meeting it shall still count as a full points scoring round.

3.5.2 All rounds shall take the following format. The minimum period of practice to be provided is to be as specified in MSA regulations in respect of circuit lengths. Race 1 (up to 15 minutes) - grid based on practice times; Race 2 (up to 15 minutes) - grid based on finishing order of Race 1. Cars which retire from the first race, but are able to race in the second race will be placed on the back of the grid in the reverse order of retirement. Championship points will be awarded to Competitors listed as classified finishers in the Final Results as in 1.6.4. The standard minimum scheduled distance shall be 12 miles

## Published Version

whenever practicable but should any race distance be reduced at the discretion of the Clerk of the Course or Stewards of the Meeting it shall still count as a full points scoring round.

3.5.3 All rounds are multiple race rounds.

3.5.4 The procedure for qualification races is specified in 3.13

3.5.5 A last lap board will be shown to all drivers indicating they are starting the last lap.

### 3.6 Starts:

All races will be from a rolling start.

3.6.1 All race start countdowns are to have a minimum elapsed period of three minutes from the time all cars are released to form up on the grid to the start of the Green flag Lap(s) in the formation as specified on the Track Licence for each circuit.

3.6.2 The minimum Countdown procedures/Audible warning sequence shall be:-

1 minute to start of Green Flag laps - Start Engines/Clear Grid.

30 Seconds - Visible/audible warning of the start of Green Flag lap(s).

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

3.6.4 Any cars removed from the grid after the one-minute stage or driven into the pits on Green Flag lap shall be held in the pit lane, and may start the race after the last car to take the start from the grid has passed the start line or pit lane exit whichever is the later.

3.6.5 Any drivers unable to start the Green Flag lap or start are required to indicate their situation as per MSA Regulation Q12.13.2 and any drivers 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.

3.6.6 Excessive weaving to warm-up tyres - using more than 50% of the track width, and falling back in order to accelerate and practice starts, is prohibited.

3.6.7 A five second board will be used to indicate that the grid is complete. The red lights will be switched on five seconds after the board is withdrawn.

In the event of any starting lights failure the starter will revert to use of the National Flag.

3.6.8 Towards the end of the Rolling Lap(s) the pace car will extinguish its roof lights indicating a start is imminent. The race will not start until the pace car pulls off the circuit at which point the two leading vehicles will continue at a similar speed and position on the approach to the start line. All cars will start racing when the signal lights or starting flag is shown as advised in the Supplementary Regulations/Final Instructions.

3.6.9 Aborted Start:

If the start is aborted prior to the pace car pulling off, the pace car will lead the field around the circuit for an additional lap and a new start will be attempted. The race will not start until the pace car pulls off the circuit, at which point the two leading vehicles maintain speed and position approaching the start line (3.6.8). If the start signal is not given, the grid will proceed around the circuit maintaining speed, and position to attempt another start At the discretion of the Clerk of the Course, the race distance may be reduced accordingly following aborted starts.

### 3.7 Race Stops:

3.7.1 Should the need arise to stop any practice or qualifying session, 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 either to the pitlane or to the starting grid which will automatically become a Parc Ferme area.

Cars should not enter the Pits unless directed to do so or unless repairs are necessary. Work on cars already in the Pits must cease when a race is stopped

3.7.2 Case A - Less than two laps completed by Race Leader

The race will be null and void. The race will re-start from the original grid positions. Competitors unable to take the re-start may be replaced by nominated reserves who will form the back of the grid in reverse order. Gaps on the grid should not be closed up. The length of the re-started race will be determined by the Clerk of the Course.

3.7.3 Case B - More than two laps completed by Race Leader but less than 75%:

The race will restart from a grid set out by the finishing order of part one (as per Q5.4.2). The result of the race will be the finishing order of part 2. The length of the re-started race will be determined by the Clerk of the Course.

3.7.4 If the leader has completed more than 75% of the race distance or duration it shall not usually be re-started (as per Q5.4.3) unless the Clerk of the Course, in consultation with the Stewards deem it appropriate to restart the race.

**3.8 Re-Scrutiny:**

All vehicles reported involved in contact incidents during races or practice must be re-presented to the Scrutineers before continuing in the races or practice.

**3.9 Assembly Area/Pits & Pitlane Safety:**

3.9.1 Pits: Entrants must at all times ensure that the MSA, Circuit Management and Organising Club Safety Regulations are complied with at all times.

3.9.2 Assembly Area/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 drive at minimum speeds in pitlanes and paddock areas.

3.9.3 Refuelling: May only be carried out in accordance with the MSA Regulation Q13, Circuit Management Regulations and the SRs or Final Instructions issued for each Circuit/Meeting.

3.9.4 Speed limit in the pit lane will be confirmed in the SR's for each event.

**3.10 Race Finishes:**

After taking the Chequered Flag drivers are required to: Progressively and safely slow down, remain behind any competitors ahead of them, return to the Pit lane Entrance/Paddock as instructed, comply with any directions given by Marshals or Officials and to keep their helmets on and harnesses done up while on the circuit or in the pit lane.

**3.11 Race Results:**

All Practice Time sheets, 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.

**3.12 Timing Modules:**

3.12.1 All competitors will be required to fit Electronic Self Identification Modules to their cars for the purposes of accurate timing. Holders for these and detailed fitting instructions will be issued with the Modules and it will be the responsibility of the competitor to fit these in the car in the position and manner specified. The Modules must be in place and functioning correctly for all Championship qualifying practice sessions and races. The setting and servicing of these items must only be carried out by properly authorised MSA Licensed Timekeepers.

3.12.2 Competitors may not place electronic timing equipment within five metres of the official Start, Finish, or any other official timing lines at any event or test session/day. Any such equipment placed within these zones will be removed.

### 3.13 Qualification Races:

See sections 3.1.8 above.

### 3.14 Operation of Safety Car:

3.14.1 The Safety Car will be brought into operation and run in accordance with Section Q Appendix 2 of the MSA General Regulations

### 3.15 Driving Standards

3.15.1 Any competitor who is reported to be involved in cases of contact, which in the opinion of Officials is avoidable, may be subject to the following immediate penalties:

3.15.2 During practice and / or qualifying: The competitor concerned may be Black Flagged and may be prevented from taking any further part in that session

3.15.3 During race: The competitor concerned may be penalised by way of a drive through penalty in accordance with MSA Regulation Q.12.6.

## 4 Championship Race Penalties

### 4.1 Infringements of Technical Regulations:

4.1.1 Arising from post practice Scrutineering or Judicial Action:

Minimum Penalty: The provisions of MSA Regulation: C3.3

4.1.2 Arising from post race Scrutineering or Judicial Action:

Minimum Penalty: The provisions of MSA Regulation: C3.5.1-C3.5.2.

For infringements deemed to be of a more serious nature the Clerk of the Course and/or Stewards of the Meeting are to invoke the provisions of MSA Regulation C3.5.1-C3.5.2.

Any competitor whose vehicle is excluded from the results in accordance with 4.1.1 or 4.1.2 will be subject to the following championship penalties:

a) The event will be counted as one of the events contributing to their championship score and

b) The competitor will be excluded from the event, forfeiting all championship points, prize money and awards and

c) The competitor will forfeit 50 championship points, even if this results in a minus score.

### 4.2 Infringements of non-technical MSA Regulations & the Sporting Regulations issued for the Championship

As per current MSA Judicial Procedure Regulations plus:

At any meeting, event, official qualifying or race, where any competitor shall be found guilty of any of the following offences, they shall forfeit all points in the championship gained solely at that event to that point during the event and shall be ineligible to score any points for the remainder of that event.

In the case of double header races or multi-races, where an offence below is committed during any qualifying session(s) or the first race, then points gained for the qualifying session(s) and the first race will be forfeited. Where an offence occurs during any subsequent race then the points solely gained for that race shall be forfeit.

Should two separate offences be committed, then all points shall be forfeited for that whole event, irrespective of the timing of the offence committed at that event.

The offences are:

a. Reckless or dangerous driving in the course of a meeting. (see MSA Regulation C1.1.5)

b. Careless driving in the course of a meeting (see MSA Regulation C1.1.5)



In order to maintain standards of conduct, the Championship Coordinator will monitor all Officials/Observers reports of adverse behaviour at race meetings. If any individual is included on two such reports during one racing season he will receive written warning from the Championship Coordinator that his driving/behaviour is to be specifically observed at future race meetings. Any adverse reports during this period of observation could result in official MSA action and will result in a Championship Stewards' enquiry, with possible loss of Championship points and refusal of further race entries.

Anyone posting anything derogatory, defamatory, insulting, unfavourable or disrespectful in relation to the Championship or Series – including any of its participants, officials, partners or supporters – in any form of Social Media, would be dealt with in the same manner as if the comments had been published in the traditional print/broadcast media. In the worst instance this could mean exclusion from the championship/series, in the least it will be a deduction of points.

NB: for the avoidance of doubt the MSA may of course take any action as it considers appropriate, in addition to any action taken by the Championship Stewards.

## 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 should work on the principle you cannot

### 5.2 General Description:

The Quaife Motorsport News Saloon Car Championship is for Competitors participating in Production Saloon and Hatchback cars.

All 2013 MSA GENERAL REGULATIONS & Section Q (Technical Regulations) & Section K APPLY as per the 2013 MSA Year Book. The general principle for eligibility shall be that the cars are modified versions of front engined series Production Saloon and Hatchback car models, including any original manufacturer produced or approved options for the year and models which were/are available from recognised dealer networks for the manufacturer, year and model and recognised variant.

The onus concerning eligibility and provision of original manufacturer documented proof of eligibility shall rest with competitors at all times, and competitors are advised to check with the championship Eligibility Scrutineer if they have any doubts or queries concerning the eligibility of their cars. The eligibility scrutineers may at any time carry out eligibility checks on a competitors' vehicle WITHOUT prior warning

### 5.3 Safety:

All MSA Section K Safety Criteria Regulations apply MSA K2.1.3.or 2.1.4 and K3.1.2.(a) to apply

### 5.4 General Technical Requirements & Exceptions:

**The Championship is to cater for Saloon and Hatchback cars which have been derived from cars homologated in FIA Appendix 'J' Group A (N) or Appendix 'J' 1981 Group 1,** or a Vehicle originally available through normal commercial channels of the manufacturer in quantities of not less than 100 vehicles within 12 consecutive months.

Class A	Upto 5850cc 2550-4000cc forced induction Four Wheel Drive Vehicles.
Class B	2050-2550cc forced induction
Class C	3001-3600cc multi-valve 3601-4800cc dual-valve 1621-2050cc forced induction
Class D	2021-3000cc multi-valve 2501-3600cc dual-valve Up to 1620cc: forced induction
Class E	Up to 2020cc multi-valve Up to 2500cc dual –valve

## Published Version

- 5.4.1 The class capacity may not be exceeded. Where capacity is exceeded for a particular car in a specific class, the car will be re-classed accordingly moving up the class scale.
- 5.4.2 Turbo or Supercharged engines can replace the forced induction components with conventional induction systems and run in the Class that the revised engine configuration would place them in provided that the model in this revised configuration is listed.
- 5.4.3 EXTERNAL IDENTIFICATION OF THE MODEL. All cars must be externally recognisable as the model as entered. Manufacturers' decals/badges can be removed but if they are retained they must relate to the model as entered, in particular badges relating to engine capacity.
- 5.4.4 Dual valve engines are defined as having one inlet and one exhaust valve per cylinder, multivalve engines are defined as having more than one inlet or exhaust valve per cylinder in the engine.
- 5.4.5 Any vehicle fitted with a motorcycle engine, or derivative, shall be deemed ineligible for any class.
- 5.4.6 Modifications or specifications which move cars up classes are cumulative until such point where the car is classified as class A.
- For the avoidance of doubt cars that are moved up classes must comply with the regulations of the destination class and not the class which they originated from.
- 5.5 Chassis:**
- 5.5.1 **Class A**  
Steel monocoque construction only, the following panels must remain constructed in steel, Roof, Sills, transmission tunnels, floor, front bulkhead, door surrounds, windscreen pillars, otherwise unlimited modifications subject to complying with MSA Safety and Technical Regulations Sections J, Q and K.
- 5.5.2 **Classes B, C, D and E**  
The standard floor pan, sills, door surrounds, bulkheads and roof must remain exactly as produced by the manufacturer in construction, dimension and material.
- Front inner wings rearward of front axle line to remain intact and unmodified, forward of front axle line inner wings are free.
- Within wheel centres, mounting points for attachment of suspension subframes, crossmembers or mounting points where suspension components mount directly to bodyshell may be reinforced but not removed, although not necessarily used
- Front bulkheads may be modified to permit the clearance of the engine or induction system. This shall be understood to include air induction ducting, manifolding, and trumpets, ram pipes for engine carburetion or fuel injection system.. A maximum clearance dimension of 75mm will be allowed.. Modification to the transmission tunnel permitted provided standard production floorpans remain as fitted by vehicle manufacturer.
- There must remain a protective bulkhead of non-flammable material as per MSA J5.2.2
- Rear inner wings no modifications other than to allow attachment of a shock absorber
- 5.5.3 Front panels may be modified to allow fitting of or enlarged radiators, oil coolers or intercoolers.
- 5.5.4 Unless otherwise stated it is prohibited to cut holes in or removed any fixed panels from the standard floorpan.
- 5.5.5 Reinforcing of the chassis is allowed in all classes.
- 5.5.6 With the exception of suspension pickup points removal of redundant brackets is permitted.
- 5.5.7 Transmission tunnels may be modified to allow clearance of gearboxes. Rear valence below bumper level may be modified or removed, provided rear floor pan remains intact and structurally sound.
- 5.5.8 For live axle RWD cars it is permissible to adapt the floor pan to accommodate additional axle location links, but the standard pick up points must be retained.

## Published Version

5.5.9 The removal of under body sealants **is allowed**. Minimal modifications to floor pan to allow the fitting of an exhaust silencer to MSA requirements or a fuel tank or safety cell.

5.5.10 For the purposes of mounting oil and fuel tanks and pumps the boot floor in-between the vehicle chassis rails and rearward of the rear axle line may be modified, irrespective of modifications the boot floor must remain of welded steel construction, the use of aluminium or alloy plate or rivets to replace material removed is prohibited

## 5.6 Body Work:

### 5.6.1 Permitted Modifications:

#### 1. General:

Replacement of the front and rear wings and front body panels by lightweight material panels is permitted providing they exactly retain the standard silhouette in side elevation. Boot lid and door panels may be replaced by lightweight material providing they exactly retain the original standard shape and outline. Bonnet side profile may be raised to a maximum of 120mm. Bumpers may be removed or modified

NOTE: front is defined as a point forward of the baseline of the windscreen. Rear wing is defined as being in the area below the baseline of the windows and rearward of the line of the rear most side door opening.

The removal of all exterior chrome/decorative parts is allowed with the exception of the complete radiator grill and headlamp trim.

Standard wings, if retained, may be modified by working the original metal and/or fitting wing extensions which must be over the tyre in accordance with vehicle regulations.

It is permissible to cut holes in the rear wing extensions of 150sq.cm maximum to accommodate oil coolers. The holes must be parallel and vertical. Wheels and tyres must not be visible through the apertures.

#### 2. Interior:

It is permitted to remove the entire interior trim dashboard and passenger seats included

It is permitted to carry out modifications on the window winders, instrument panel and all the driving controls.

The driver must sit on the same side as in the original car and be located completely to one side of the centre line of the car.

#### 3. Exterior

Spoilers and air-dams, it is permissible to fit a front or rear spoiler, spoilers may not exceed nominal width of vehicle bodywork, **excluding mirrors** at its widest point, they may not project forwards or rearwards of original bodywork including bumpers by more than **10cm, as per MSA regulation J5.2.7**, front spoilers may incorporate a lower splitter in the design but must remain within stated size tolerances, no part of a front spoiler may extend rearward of front axle line

##### 3.1 Rear spoiler height allowances

Spoilers and air-dams, it is permissible to fit a front or rear spoiler, spoilers may not exceed nominal width of vehicle bodywork, **excluding mirrors** at its widest point, they may not project forwards or rearwards of original bodywork including bumpers by more than 100mm, front spoilers may incorporate a lower splitter in the design but must remain within stated size tolerances, no part of a front spoiler may extend rearward of front axle line. Rear spoiler may not exceed roof height

##### 3.2 front and Rear spoiler projection allowances



Dimension Z = 100mm which is the maximum longitudinal extent permissible forward or rearward projection from the bodywork. (MSAJ5.2.7)

**3.3** Class A may be fitted with a rear under floor diffuser, provided it does not extend forward of the rear axle line, extend rearwards beyond the rear bumper or bodywork and meets the MSA minimum ground clearance rules.

**3.4** Plastic is permitted for side or rear windows, Windscreens must be either laminated glass or plastic minimum of 4mm thick

#### 4. Silhouette

Silhouette, above bumper level or wheel centres which ever is higher, excluding rear spoiler the silhouette to remain as standard production vehicle other than for the bonnet profile which may be raised by a maximum of 120mm

#### 5. Ground clearance.

The car may be lowered to give a minimum ground clearance as defined by MSA General Regulation J5.20.11 - . 40mm

#### 5.6.2 Modifications Prohibited:

1. General: N/A

2. Interior: N/A

3. Exterior:

It is prohibited to extend sills downwards or add panels to the underside of the car in between front and rear axle line to create a flat floor or other aerodynamic aiding device.

4. Silhouette: N/A

5. Ground Clearance: N/A

#### 5.7 Engine:

##### 5.7.1 Permitted Modifications:

1. Modification to all components is permitted.

2. Engine is free including replacement with an engine from any other make or model of car, if an engine fitted is not an original fitment or manufacturer's option for the make and model of car the car shall move up a class

3. Any engine fitted with a motorcycle cylinder head or a multi-valve cylinder head which is not a mass production unit as produced and fitted by a motor car manufacturer on the normal production line shall move up a class

4 Forced induction is allowed, forced induction systems can be removed and replaced with carburettors or fuel injection.

## Published Version

5. Any engine which has had its capacity increased by more than 400cc from its original production size or size option shall move up a class

6. Any engine which has had its cylinder head reversed on the block shall move up a class

### 5.7.2

#### Prohibited Modifications:

1. Only a single supercharger or turbocharger may be fitted

2. Rotary engine prohibited.

3. The Championship is established for front-engined vehicles only. Amendments and alterations to engine arrangements within these regulations do not permit the relocation of the engine to the rear of the chassis/shell. Only front-engined vehicles are eligible for this championship.

4. Only engines derived from mass produced production cars are eligible.

### 5.7.3

#### Location:

**Class A**, free provided engine remains located in engine bay at front of car

#### Class B,C,D,E

1. Cylinder block and crankshaft must remain in their original location as envisaged by the cars original manufacturer within 5cm

2. Engine cylinder blocks to remain mounted at the same angle as production +/- 15 degrees or vehicle to move up a class.

### 5.7.4

#### Oil/Water Cooling

1. Oil coolers, and additional water radiators are permitted providing they are located within the periphery of the bodywork. These are not permitted in the driver's compartment.

2. Engine coolant radiators must be mounted in the engine bay, otherwise cooling systems are free

### 5.7.5

#### Induction Systems:

1. Maximum intake size for any super/turbocharger is 58mm, for engines over 2500cc maximum intake size is 50mm

2. Any forced induction vehicle over 1600cc under 1100kgs (including driver) must breathe through an inlet size no bigger than 50mm or shall move up a class

3. intercoolers for super/turbochargers to be mounted within engine bay only

4. Forced induction engines to be fitted with "butterfly" type throttles. Slide, roller or barrel designs prohibited,

5. Forced inductions engines to breath through a maximum of two throttle butterflies

6. Any forced induction car or engine, fitted with a turbo/ supercharger which was not an original equipment option when originally manufactured shall move up a class

7. For the avoidance of doubt, where a forced induction engine has to comply with a maximum intake size, that size shall be measured a maximum of 53mm from the front face of the turbo/super charger The minimum width of the narrowest part shall be 3mm.

### 5.7.6

#### Exhaust Systems:

Free subject to MSA regulations.

### 5.7.7

#### Ignition Systems:

## Published Version

Free subject to MSA regulations.

### 5.7.8 Fuel Delivery Systems:

Free subject to MSA regulations.

## 5.8 Suspension:

### 5.8.1 Permitted Modifications

1. Cars fitted with suspension uprights/hubs which facilitate fitting of a single wheel nut centre lock type wheels shall move up a class.

2. **Class A:** Unrestricted modifications.

#### 3.. **Classes B,C,D,E:**

Additions or modifications of springs, shock absorbers, and suspension heights are permitted.

The fitting of adjustable suspension components and Watts linkage is permitted.

RWD live axle cars are allowed additional locating links

Suspension spring type and design unrestricted

It is permitted to add anti roll bars, tension or compression struts where not originally fitted to vehicle

### 5.8.2 Prohibited Modifications.

1. Classes B ,C, D and E Suspension must retain original cars type and layout i.e. a Macpherson strut may not be replaced with wishbones, a trailing arm or wishbone cannot be replaced with a Macpherson strut.

### 5.8.3 Wheelbase/Track

1. **Class A:** unrestricted

2. **Classes B, C, D and E:** track unrestricted provided wheels and tyres fit within confines of bodywork, wheelbase to remain as per original car within a tolerance of 5cm.

## 5.9 Transmission:

### 5.9.1 Permitted Modifications:

1. Class A unrestricted.

2. Class B, C, D, E: Differential and gearbox internals unrestricted, provided the differential and gearbox remain in the original location within 5cm. A live axle may not be replaced with an independent axle, an independent axle may not be replaced by a live axle

3. With the exception of dual valve cars, any car fitted with a sequential gearbox or a gearbox which does not use entirely original equipment casings for the make and model of car shall move up a class

4. For the purposes of the championship, any gearbox which is operated other than by a conventional gear lever working in a normal "H" pattern will be classified as a sequential gearbox.

### 5.9.2 Prohibited Modifications

1. Any form of traction control device other than limited slip or locked differentials.

2. Classes B, C, D and E, transaxles and carbon fibre propshaft/driveshafts are prohibited unless fitted to the original homologated model.

**5.10 Electrics**

**5.10.1 Exterior lighting**

1. Cars must be fitted with working headlamps, a minimum of one each side of the car, size and shape of the headlamps are free but the total lamp lens area for each side of the car be a minimum area of 7850mm<sup>2</sup>, which is the equivalent area of a single round headlamp 100mm in diameter, bulbs are free but must be of sufficient brightness that it is obvious to scrutineers they are working and will be seen in the mirrors of other competing cars.
2. Brake/stop lights must be operational on all cars. The stoplights must only work as a result of applying the brakes and the fitting of any type of other switching device is prohibited.

**5.10.2 Rear Fog Light**

1. Rear fog lamp to comply with MSA Regulation K5.1.
2. Vehicles carrying a single rear fog lamp are required to have working tail lights.

**5.10.3 Batteries**

1. Batteries vehicle must be fitted with an onboard battery capable of restarting the vehicle at all time when on circuit.

**5.10.4 Generators**

1. Generators must be mechanically driven. Drive method is free but must be capable of keeping a vehicles battery charged whilst vehicle is on track

**5.11 Brakes:**

**5.11.1 Permitted Modifications**

1. Brakes are unrestricted with the exception of brake disc material,

**5.11.2 Prohibited Modifications:**

1. Carbon brake discs

**5.12 Wheels/Steering**

**5.12.1 Permitted Modifications:**

1. Maximum wheel width limits apply to capacities

Up to 1300cc	10in	Exceeding 1300 to 1600cc	10.5in
Exceeding 1600 to 2000cc	11.5in	Exceeding 2000 & over	13in
2. Diameters are free.
3. NOTE: Irrespective of the maximum size allowed, the wheel/tyre combination must fit within the confines of the allowable wheel arch/bodywork modifications outlined in Para's 5.3
4. Cars fitted with single wheel nut centre lock type wheels shall have a 50% multiplication factor applied to their engine capacity for class definition only
5. Steering system is free

**5.12.2 Prohibited Modifications:**

**5.12.3 Dimensions see 5.12.1**

**5.13 Tyres**

## Published Version

1. TYRE SPECIFICATIONS: Maximum size must be within tyre manufacturers' recommended specifications to suit the wheel rim width. The type of tyre is free.
2. The use of tyre heating/heat retention devices, tyre treatments and compounds is prohibited.

### 5.14 Weights

1. Minimum weights apply to all classes and are dependent on engine size. See chart below for the minimum weight for your car. Please note all weights are for car WITH driver on board and are for ACTUAL engine size , except for:

Two wheel drive forced induction cars add 1.6 multiplication to engine capacity (e.g 2000cc x 1.6 = 3200cc).

Four wheel drive forced induction cars add 1.9 multiplication to engine capacity (e.g 2000cc x 1.9 = 3800cc).

Engine Size	Weight in Kg
Up to 1400cc	650
1401 to 1500cc	670
1501 to 1600cc	720
1601 to 1700cc	745
1701 to 1800cc	770
1801 to 1900cc	790
1901 to 2000cc	820
2001 to 2100cc	840
2101 to 2200cc	850
2201 to 2300cc	865
2301 to 2400cc	875
2401 to 2600cc	900
2601 to 2800cc	920
2801 to 3100cc	960
3101 to 3300cc	1000
3301 to 3500cc	1100
3501 to 3700cc	1150
3701 to 3900cc	1175
3901 to 4200cc	1250
4201 to 4500cc	1300
4601 to 5000cc	1350

Engine capacities over 5001cc: add 15 kg per 100cc

### 5.15 Fuel Tank & Fuel:

#### 5.15.1 Type

1. Any type of fuel tank or safety cell may be fitted provided it conforms to MSA safety requirements.
2. Fuel delivery system – all fuel pumps and filters are free.

#### 5.15.2 Locations:

1. Tank location is free subject to it complying with safety regulations.

#### 5.15.3 Fuel:

1. All fuels listed in MSA competitors' yearbook 2013 under 'Section B, Nomenclature & Definitions' as pump fuel.

### 5.16 Silencing:



1. As per MSA Regulation J5.16.5 and J5.17.

## 5.17 Numbers and Championship Decals

1. Decals to be displayed without modifications in suitable locations on vehicle bodywork.
2. Championship decals are supplied by BARC SEC.

## 6 Appendices

The following Commercial Regulations are 'contractual' between the Entrant and/or Driver and the Organisers and/or Promoters and are not considered by MSA. Accordingly, the application of these Commercial Regulations by the Organisers and/or Promoters will not be subject to the Judicial processes of either the Championship Stewards and/or the MSA / MSC.

### 6.1 Race Organising Clubs & Other Useful Contacts:

BARC SEC	Cheryl Tilbury, 36 Albany Heights, Hogg Lane, Grays, Essex, RM17 5XN Tel: 07982 187650 E-mail: chezza@alrob.net
BRSCC	Homesdale Business Centre, Platt Industrial Estate, Maidstone Road, Borough Green, TN15 8JL Tel: 01732 780100 E-mail: enquiries@brscc.co.uk
BARC HQ	Thruxton Circuit, Andover, Hampshire SP11 8PN Tel: 01264 882200 E-mail: competitions@barc.net
MSVR	David Willey, Competition Secretary, MotorSport Vision Racing Brands Hatch, Fawkham, Longfield, Kent, DA3 8NG Tel: 01474 875202 Email: david.willey@motorsportvision.co.uk
MGCC	The MG Car Club, Kimber House, 12 Cemetery Road, Abingdon, Oxford, OX14 1AS Tel: 01235 555 552

### 6.2 Commercial Undertakings:

#### 6.2.1 Trade Support.

Support for the 2013 BARC SEC Saloon Championship is being provided by Motorsport News and Quaife Engineering

#### 6.2.2 Vehicle Decals.

Championship vehicle stickers will be issued to vehicles competing in the **QUAIFE MOTORSPORT NEWS SALOON CAR CHAMPIONSHIP** and these must be affixed to all vehicles in accordance with MSA Regulation J4.1-4.18. See section 5.17 above.

All cars must also display the supplied Quaife windscreen visor.

#### 6.2.3 Promotional activities.

Competitors competing in this championship are requested to make their vehicles available for promotional activities for all trade supporters listed above.

## 7 Registration form

The registration form and vehicle log sheet are attached to this document. They should be completed as annotated and returned with the registration fee and relevant images of the vehicle to the address listed.