

## 2010- BARC SEC CANNONS MOTOR SPARES TIN TOP CHALLENGE

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## 1. SPORTING REGULATIONS - GENERAL

### 1.1 Title & Jurisdiction:

The 2010 BARC SEC TIN TOP Saloon Car series 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 Series Regulations.

Race Status: National B

### 1.2 Officials:

#### 1.2.1 Co-ordinator:

Pauline Phillips, 4 Bowes Wood, New Ash Green, Longfield, Kent DA3 8QJ  
Tel: 01474 872891  
Email: paulineaphillips@hotmail.co.uk

#### 1.2.2 Licensed Eligibility Scrutineer:

Chris Gadd 25, Castle Dene, Maidstone, ME14 2NH  
Telephone - 01622 670871 Mobile 07867 552109  
email chrisjgadd@googlemail.com

#### 1.2.3 Series stewards

Rod Birley- Reg Powell- Roger Burgess

#### 1.2.4 Entry Secretary

Pauline Phillips, 4 Bowes Wood, New Ash Green, Longfield, Kent DA3 8QJ  
Tel: 01474 872891  
Email: paulineaphillips@hotmail.co.uk

### 1.3 Competitor Eligibility:

1.3.1 Entrants must be fully paid up valid membership card holding members of any MSA Recognised Club, and in possession of valid 2010 MSA entrant's licences.

1.3.2 Drivers and Entrant/Drivers must be fully paid up valid membership card holding members of any MSA recognised club, be registered for the series and be in possession of valid competition (Racing) National B STATUS licence (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.

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 series by returning the registration form to the Co-ordinator prior to the final closing date for the first round being entered.

1.4.2 Registration fee £25.

1.4.3 Registrations will be accepted from 1st January 2010 until the closing date for entries to the penultimate round.

1.4.4 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

1.4.5 The Series organising committee (BARC SEC) retains the right to refuse championship registration.

Grounds for refusal include but are not limited to;

Ineligible vehicles;

The driver having previously (but not necessarily at BARC SEC meetings) been involved in excessive contact or previously displayed driving standards regarded by the committee as too low, the BARC SEC committee may seek references from other motor clubs or championships in order to make a fair decision on such matters;

Any competitor who the committee regards as having brought the Series, the BARC or motorsport into disrepute;

Competitors who have registrations refused will have the registration fee returned and will be notified in writing of the refusal, competitors may appeal the decision, and must do so in writing within 14 days of the refusal, the appeal will be forwarded to the Series stewards who will uphold or decline the appeal via a majority decision.

1.4.6 The Series organising committee (BARC SEC) retains the right to suspend a competitors' registration if they or any of their team members or other persons directly connected acts in such a way that the series or motorsport is brought into disrepute whether by physical acts or publicity through any form of media.

In the event of a registration suspension the competitor will be advised in writing by the series organising committee within 7 days of the suspension, the competitor may appeal the suspension and must do in writing within 14 days, any appeal will be held by the Series stewards who will uphold or decline the appeal via a majority decision. Their decision is final and no further appeal can be made

## 1.5 Rounds:

The 2010 Cannons MSA Tin Top challenge will be held over 9 rounds as follows:

Date	Venue	Organising Club
March 27th	Brands Hatch	MSVR
April 10th	Cadwell Park	BRSCC
May 16th	Mallory Park	BARC HQ
May 29th	Snetterton	BRSCC
June 12th/13th	Brands Hatch	BRSCC
June 26th/27th	Lydden Hill	BARC SEC
July 17th/18th	Lydden Hill	CTCRC
August 29th	Rockingham	BRSCC
November 7th	Brands Hatch	MSVR

## 1.6 Scoring:

1.6.1 There is no scoring.

## 1.7 Awards:

1.7.1 Awards will be provided by the organising club.

1.7.4 Bonuses:

The Series 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.
- 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:- The Inland Revenue, Foreign Entertainers Unit, Centre for Non-residents, St Johns House, Merton Road, Merseyside. L69 9BB Tel 0151 472 6488 Fax: 0151 472 6483
- 1.7.7 Title to all Trophies:  
In the event of any Provisional Results or Series 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 In accordance with Section C of the 2010 MSA Yearbook.

## 3. SPORTING REGULATIONS - SERIES 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 21 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 shall be £300.00, although it is expected that the entry fee for most rounds will be in the region of £230.00.
- Plus a late entry surcharge imposed by the race meeting organisers for any entry received after the closing date specified in the regulations for each round.
- 3.1.5 In the event of any rounds being oversubscribed the Organising Club; in liaison with the coordinator may at their discretion run qualification races. For qualification race procedures see 3.13 of these Regulations.
- 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 by order of precedents based on the number of preceding rounds where championship race finishes have been accrued in the event

of an entry being over-subscribed for any championship round. Reserve entries shall also be nominated in accordance with the above.

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 2010,

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 all meetings. Competitors must attend all briefings.

### 3.3 Practice:

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

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 series 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 and 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 Regulation Q4.5.

### 3.5 Races:

The format for rounds of the series will be advised in SRs and/or Final Instructions.

3.5.1 The procedure for qualification races is specified in 3.13

### 3.6 Starts:

All starts will be rolling starts

#### Rolling Starts

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 the grid to the start of the Green Flag lap(s) in the formation as specified on the Track Licence for the Circuit.

3.6.2 The Countdown procedures shall be:

1 minute to start of Rolling Lap - Start Engines/Clear Grid.

30 Seconds - Visible and audible warnings for the start of the Green flag lap.

- 3.6.3 Towards the end of the Rolling Lap(s) the pace car will leave the circuit after extinguishing its roof lights indicating a start is imminent. The grid will continue at a similar speed 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.
- 3.6.4 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. They 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. Any drivers unable to maintain grid positions on the Green Flag laps to the extent that all other cars are ahead of them may complete the Green Flag Lap. They MUST remain at the rear of the last row of the grid until the car passes the start line.
- 3.6.6 **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 (3.6.3). 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.
- 3.6.7 The use of tyre heating/heat retention devices, tyre treatments and compounds is prohibited on the grid.
- 3.6.8 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.

### **3.7 Race Stops:**

- 3.7.1 Should the need arise to stop any race, RED LIGHTS will be switched on at the Start line and RED FLAGS will be displayed at the Start line 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 starting grid area, which will automatically become a Parc Ferme area. 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.
- 3.7.2 **Case A: Less than two laps completed by the race leader.**  
The race will be null and void The Race will be re-start with drivers in their original grid positions. Retired competitors may be replaced by reserves who shall be started from the back of the grid in reverse order. Gaps on the grid created by retirements must not be closed up prior to the start of the race. The length (in time) of the restarted race will be determined by the Clerk of the Course.
- 3.7.3 **Case B: More than two laps completed by the race leader but less than 75% of time elapsed:**  
The race will restart from a grid set out by the finishing order of part one (as per Q5.4.3) The result of the race will be the finishing order at the end of part 2. The length (in time) of the restarted race will be determined by the Clerk of the Course.
- 3.7.4 If the leader has completed more than 75% of the race duration it shall not be re-started and the results will be declared in accordance with MSA Regulation Q5.4.3

### **3.8 Re-Scrutiny:**

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

### **3.9 Assembly Area/Pits & Pit Lane 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/Pit Lane: The other 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 when exiting from the Assembly Area.
- 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 to required to: progressively and safely slow down, remain behind any competitors ahead of them, return to the 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 paddock return road.

### **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 transponders 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 series 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:**

The decision to run Qualification races is entirely at the discretion of the club(s) organising each round according to the number of entries received for such rounds. All affected Competitors must be notified in writing, with their Final Instructions, that this provision will be applied.

### **3.14 Operation of Safety Car:**

*Use of the Safety Car will be dependent on the individual circuit and organising club*

- 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.
- 3.14.2 The Safety Car, yellow/amber lights illuminated, will normally join and exit the circuit from the pit lane and the Safety Car boards will be shown initially from the start/finish line. If these locations are to be varied specific written instructions and verbal briefings will be issued detailing the exact locations to be used.
- 3.14.3 On the order from the Clerk of the Course, the Safety Car will join the circuit with its flashing lights on, regardless of where the race leader is.
- 3.14.4 When the order is given to deploy the Safety Car a waved yellow flag and "SC" board will be displayed at the start/finish line. The waved yellow flags and "SC" boards will flow around the circuit in both directions, as an adjacent post displays both their waved yellow flag and "SC" board. This system may be supplemented by a message being simultaneously broadcast to all marshals' posts if such a communication system is available. At circuits where the Safety Car is deployed from a location other than from the pit lane exit see (3.14.3) above.

- 3.14.5 Flashing yellow lights may also be used at the startline and at other points around the circuit.
- 3.14.6 Each time the Safety Car passes a flag point the yellow flag will be waved continuously while the Safety Car and all competing cars following it remain in the section between this point and the next flag point.
- 3.14.7 All competing cars, when notified of the Safety Car intervention (by the flag signals, "SC" boards, or by any other means) will reduce speed and line up behind the Safety Car, no more than 5 car lengths apart, and maintaining the same speed as it. Overtaking or overlapping of any other competing car during a Safety Car intervention is forbidden. Overtaking of a Safety Car is forbidden unless the particular competitor concerned is signalled to overtake the Safety Car by the observer in the Safety Car.
- 3.14.8 When ordered to do so by the Clerk of the Course, the observer in the Safety Car will wave past any cars between the Safety Car and the race leader. These cars will continue at reduced speed and without overtaking until they reach the line of cars behind the Safety Car.
- 3.14.9 While the safety car is in operation, competing cars may enter the pit lane, but may only rejoin the track when signalled to do so and not when the safety car and the line of cars following it are about to pass or are passing the pit exit. A car rejoining the track must proceed at an appropriate speed until it reaches the end of the line of cars behind the Safety Car.
- 3.14.10 The Safety Car will remain in operation until at least the majority of competing cars on the circuit are lined up behind it.
- 3.14.11 When the Clerk of the Course calls in the Safety Car it will extinguish the yellow/amber flashing lights prior to exiting the circuit. This would normally be such that a minimum of 25% of a lap for circuits over 2 miles and 50% of a lap for circuits under 2 miles should be completed by the Safety Car with its lights extinguished.
- 3.14.12 Following the safety car extinguishing its lights, and prior to passing the green flag, the race leader will dictate the pace and, if necessary, fall more than five car lengths behind the Safety Car. In order to avoid the likelihood of accidents before the safety car returns to the pits, from the point at which the lights on the car are extinguished drivers must proceed at a pace which involves no erratic acceleration or braking nor any other manoeuvre which is likely to endanger other drivers or impede the restart.
- 3.14.13 As the Safety Car is approaching the pit entry, the green flag will be displayed at the start/finish line and the "SC" board withdrawn. Following this display of the start signal yellow flags and "SC" boards at the marshals posts will be withdrawn and be replaced with a waved green flag for one lap. The waved green flag will flow around the circuit in both directions, as an adjacent post displays their waved green flag. This system may be supplemented by a message being simultaneously broadcast to all marshals' posts if such a communication system is available. Overtaking remains strictly forbidden until the start signal at the start/finish line is passed.
- 3.14.14 Each lap covered while the safety Car is in service will be counted as a race lap.
- 3.14.15 In exceptional circumstances the following may apply:
- The race may be started behind the Safety Car. In this case its flashing yellow/amber lights will be turned on at the two minute signal. This is the signal to the Entrants/Drivers that the race will be started behind the Safety Car and it will remain at the front of the grid during the remainder of the countdown. When the Green Flag is shown at the Start/Finish Line, the Safety Car will leave the grid and all cars will follow in single file in grid order no more than 5 (five) car lengths apart. The race will be deemed to have started when the Safety Car leaves the grid and the Green Flag is displayed.

## 4. SERIES 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 Regulations: C3.5.1(a) and (b).

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 Regulation C3.5.1(c).

### 4.2 Infringements of non-technical MSA Regulations and the Sporting Regulations issued for the series:

As per 2010 MSA Judicial Procedure Regulations plus: As per 2010 MSA Judicial Procedure Regulations plus:

In order to maintain standards of conduct, the series 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 Series 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 Series Stewards' enquiry, with possible refusal of further race entries.

## 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 principal that you cannot.

### 5.2 General Description:

All 2010 MSA GENERAL REGULATIONS & Section Q (Technical Regulations) & Section K APPLY as per the 2010 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 series Eligibility Scrutineer if they have any doubts or queries concerning the eligibility of their cars.

### 5.3 Safety:

All MSA Appendix Section K Safety Criteria Regulations apply as relevant

### 5.4 General Technical Requirements & Exceptions:

The series is to cater for STEEL BODIED 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 from any Car which the MSA has verified as having been produced in minimum homologation quantities, and detailed on an MSA National Homologation form (Production Car Specification Sheet).

Class	Engine
T1	Over 3000c multivalve Over 4000cc dual valve Over 2101cc forced induction
T2	2001-3200cc multi valve

- upto-2100cc forced induction  
3000-4000cc dual valve
- T3 1601- 2000cc multivalve  
2001- 3000cc dual valve  
upto 1600cc restricted forced induction
- T4 1601- 2000cc dual valve  
1301 1600cc multivalve
- T5 upto 1300cc multivalve  
upto 1600cc dual valve

TB AIR COOLED VW BEETLES, only accepted on individual application  
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.

Any vehicle fitted with a motorcycle engine, or derivative, shall be deemed ineligible for any class.

Cars that meet the spirit of the regulations but not the technical regulations may be admitted at the discretion of BARC SEC

### 5.5 Chassis:

Space framed cars are prohibited

The standard floor pan, sills, door surrounds, bulkheads and roof must remain exactly as produced by the manufacturer in construction, dimension and material.

It is prohibited to cut any holes or remove any fixed panels from the standard floor pan, front or rear inner or outer wheel arches, front or rear bulkheads (engine to habitacle and habitacle to boot) for the purpose of mounting or giving clearance to suspension components. Inner wheel arches may only be modified to allow the attachment of shock absorber mountings.

It is prohibited to replace any panel or part panel from the unitary construction with any material other than steel

It is only permitted to make holes for the passage of cables, fuel, water, oil, hydraulic, instrument or fire extinguisher line. All redundant holes must be covered with metal plates. Nothing must interfere with, conceal, or negate 5.3.2. Random inspection by the eligibility scrutineer and series co-ordinator to all entries will be undertaken to prevent excessive weight removal jeopardising potential safety of the chassis, shell and bodywork.

Reinforcing of the chassis is allowed in all classes.

Bulkheads and inner wings may only be modified to permit the clearance of the induction system. This shall be understood to include air induction ducting, manifolding, and trumpets, ram pipes for engine carburation or fuel injection system only. A maximum clearance dimension of 75mm will be allowed.

#### CHASSIS MODIFICATIONS PERMITTED.

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

### 5.6. Bodywork:

With the exception of the following, no modifications are allowed to external or internal body panels, chassis, or unitary construction:

Boot lid and bonnet may be replaced by lightweight material.

Bonnet side profile may be modified to a maximum of 120mm

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.

The original headlights must be fitted and operational for all cars. 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.

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

Bolt on front wings may be replaced with lightweight versions, provided the car was manufactured with bolt on wings.

Doors must be constructed from steel, but may be modified and lightened subject to them retaining original fitment door handles and latch mechanisms,

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.

Plastic is permitted for side or rear windows.

Windscreens to be laminated glass only

Spoilers and air dams are permitted below the level of the road wheel centres providing they do not protrude beyond the original coachwork in plan view, including bumper, grill etc.

A single element rear spoiler may be fitted, it must not exceed 50% of the height of the rear window and may not exceed the width of the car

Interior.

(a) The driver's seat is unrestricted but should incorporate a head restraint.

(b) It is permitted to remove the floor carpets, underfelt, sound insulation, head lining, the rear seats, and the front passenger seats.

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

(d) 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.

Ground clearance.

The car may be lowered to give a minimum ground clearance as defined by MSA i.e. 40 mm.

Wheelbase.

The wheelbase must remain as per original car within a tolerance of 5cm.

## **5.7 Engine:**

For the purpose of these regulations a dual valve engine is one fitted with a maximum of one inlet and exhaust valve per cylinder, a multivalve engine is any engine fitted with more than one inlet or exhaust valve per cylinder

Only mass production engines, cylinder heads or cylinder blocks as cast by a mass production vehicle manufacturer may be used

If the engine cylinder block or head is replaced with a non original unit for the car; this will incur a penalty of the car being classified as being entered in the next class up, in the case of a car originally in class T1 it shall be moved to the TG guest class.

For an engine to qualify as restricted forced induction, ALL air entering the engine must pass through a single inlet restrictor having a maximum diameter of 34mm, this restrictor must be in place prior to pre event scrutineering and must remain fitted at all times during and after all practise and race sessions

To qualify as an original cylinder block for the car it must comply with MSA blue book technical regulations applying to MODIFIED PRODUCTION CARS, which states,

“The engine block must be externally identifiable as that fitted to the original model or specified option”  
Forced induction is allowed only on makes and models of car where it was originally a manufacturers supplied and fitted option

Forced induction 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.

Restrictions on forced induction cars, only 1 fuel injector per cylinder may be used (excluding cold start injector if fitted) water injection prohibited, multiple turbos prohibited, turbo anti lag systems prohibited, Water injection prohibited.

Ford Sierra Cosworths are only permitted to use Garrett T3 or T34 turbochargers

Oil coolers, and additional water radiators are permitted providing they are located within the periphery of the bodywork.

Dry sump lubrication prohibited

See supplementary note referring to injectors etc above 5.1.4 & 5.1.6

Where capacity is exceeded beyond the nominal rebore tolerance for a particular car in a specific class, the car will be re-classed accordingly moving up the class scale.

Any vehicle fitted with a motorcycle engine, or derivative, shall be deemed ineligible for any class.

Rotary engines only permitted in class TG

### **5.8 Suspension:**

.suspension bush material is free, rose joints permitted, standard pick-up points must be retained although not necessarily used. Additions or modifications of springs, shock absorbers, and suspension heights are permitted. The fitting of adjustable suspension components and Watts linkage is permitted.

For live axle RWD cars is permissible to adapt the floor pan to accommodate additional axle location link, but the standard pick up points must be retained.

Suspension must retain original manufacturers type and layout

### **5.9 Brakes:**

Unrestricted, except ABS prohibited unless fitted to a car currently mot'd and taxed for use on the public highway

### **5.10 Wheels & Tyres:**

Only permissible tyre are those listed as list 1A or 1B in the MSA 2009 and 2010 Blue Books, tyres must be an EXACT match for those listed in the blue book and carry all applicable name/type numbers/designations, any tyre marked as being “not for road use” or “competition” or “race” use only shall be ineligible.

Any tyre which appears to of had sidewall markings deliberately removed shall be ineligible

, the wheel/tyre combination must fit within the confines of the allowable wheel arch/bodywork modifications outlined in Para's 5.3

TYRE SPECIFICATIONS: Maximum size must be within tyre manufacturers' recommended specifications to suit the wheel rim width.

Centerlock single wheel nut type wheels prohibited

### **5.11 Transmission:**

Any form of traction control apart from limited slip or lock differentials prohibited unless fitted to a car currently mot'd and taxed for use on the public highway

Sequential gearboxes and 4 Wheel drive are prohibited, otherwise Differential and gearbox are unrestricted providing that they remain in the original location within 5cm. transaxles are prohibited unless

fitted to the original homologated model.

"for the purposes of the series, 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"

Gearbox main casing must be original to either the body shell or engine fitted to the car

#### **5.12 Exhaust Systems:**

Exhaust systems are free provided MSA maximum decibel requirements are not exceeded.

#### **5.13 Ignition Systems:**

Free

#### **5.14 Fuel Delivery Systems:**

All fuel pumps and filters are free.

#### **5.15 Fuel Tank and Fuel:**

FUEL TANK: Any type of fuel tank or safety cell may be fitted provided it conforms to MSA safety requirements.

LOCATIONS: Tank can be relocated in the boot area of the car with reasonable modifications to the boot floor to accept it. This does not mean removal of entire boot floors

FUEL: All fuels listed in MSA competitors' yearbook 2010 under The Terminology as pump fuel.

#### **5.16 Steering:**

Steering systems are free in all classes.

#### **5.17 Silencing:**

As per MSA Regulation

#### **5.18 Weights:**

There is no minimum weight limit.

#### **5.19 Miscellaneous:**

A Car Specification Sheet must be with the car when presented for scrutineering. If a manual or sheet specifically for the model was not available then a manual for the standard version of the vehicle with any other relevant supplementary information to prove the authenticity of the uprated model would be acceptable. The onus is on the entrant to prove eligibility of the model.

### **6. APPENDICES:**

The following Commercial Undertakings are not subject to the judicial procedures of either the Series Stewards and/or the MSA/MSA

#### **6.1 Race Organising Club and other useful Contacts:**

BARC SEC: Cheryl Tilbury, 14 St Mary's Drive, Benfleet, Essex SS7 1LB

Tel: 07982 187650

E-mail: [chezza@alrob.net](mailto:chezza@alrob.net)

BARC HQ: British Automobile Racing Club, Head Quarters: Thruxton Circuit, Andover, Hampshire SP11 8PN

Tel: 01264 882200

E-mail: [competitions@barc.net](mailto:competitions@barc.net)

CTCRC: Classic Touring Car Racing Club: Homeleigh, London Road, Bolney, Haywards Heath, Sussex, RH17 5PY.

Tel 01444 882737

E-mail: [peter.edwards@classictouringcars.com](mailto:peter.edwards@classictouringcars.com)

CSCC: Classic Sports Car Club: Fernleigh House, Church Street, Trowbridge, Wiltshire BA14 8DY  
Telephone : 08700 427108 Fax 08700 427109

MSVR: Motorsport Vision Racing: David Willey MSV Centre, Brands Hatch, Fawkham, Longfield, Kent,  
DA3 8NG  
Telephone: 01474 875202  
E-mail: david.willey@motorsportvision.co.uk

CCRC: Castle Combe Racing Club Limited, Castle Combe Circuit, Chippenham, Wiltshire, SN14 7EY  
Tel: 01249 782417 / 783139 Fax: 01249 782392  
Email: Club@CastleCombeCircuit.co.uk

**6.2 Commercial Undertakings:**

6.2.1 Trade Support  
TBA

6.2.2 Vehicle Decals.  
TBA

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