

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 1. SPORTING REGULATIONS - GENERAL

### 1.1 Title and Jurisdiction:

The 2008 LANCASTER INSURANCE/MGOC CHAMPIONSHIP is organised and administered by the British Automobile Racing Club Ltd (BARC) 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. The Organisers reserve the right to issue additional statements clarifying items in the rules and regulations and all such statements will be issued to all registered drivers by posting to the address details on the registration form.

MSA Championship Permit No: **CHR2008 / 037**

Race Status: **National B**

MSA Championship Grade: **D**

### 1.2 Officials:

1.2.1. Co-ordinator: Nicola Bush BARC

1.2.2 Drivers Representatives Jim Baynam / Paul NaishMGOC

1.2.3 Eligibility Scrutineer: Nigel Thorne BARC

1.2.4 Championship Stewards:Dale Wells BARC  
Bill Coombs BARC  
Robin Knight 750MC  
Richard Monk MGOC

Any three of the above may reach a decision.

### 1.3 Competitor Eligibility:

1.3.1 Entrants must be in possession of a valid 2008 MSA Entrants Licence.

1.3.2 Drivers must be fully paid up, valid membership card holding, racing members of the BARC and MGOC, be Registered for the Championship and be in possession of valid MSA Competition (Racing) National B status licence or higher.

1.3.3 Registration forms must be submitted with the appropriate payment a minimum of 7 days prior to the date of the first race being entered.

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

1.3.5 At the discretion of the BARC and the MG Owners Club guest drivers may be engaged to compete in a celebrity car. Such drivers do not have to comply with the membership requirements of Regulation 1.3.2 and 1.3.3. Guest drivers will not score championship points. Guest driver names must be approved by the MGOC a minimum of 7 days before the event.

### 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 MG OWNERS CLUB a minimum of seven days prior to the first round being entered.

1.4.2 It is a condition of registration into this championship that potential competitors accept the provisions of the Commercial Regulations in Section 9.

1.4.3 The Registration Fee is £35.00 Registrations will be accepted from 1st January 2008 until further notice.

1.4.4 Registration numbers will be the permanent Competition numbers for the Championship and will be allocated by the MGOC in consultation with BARC.

## 1.5 Championship Rounds:

The 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP will be contested over **14** rounds as follows:

Round:	Date:	Circuit:	Organising Club / Centre:
1	05 April 2008	Silverstone	BARC
2 / 3	19-20 April 2008	Pembrey	BARC
4 / 5	24-25 May 2008	Snetterton	BARC
6	07-08 June 2008	Brands Hatch	BARC
7	21 June 2008	Oulton Park	BARC NW
8	20 July 2008	Mallory Park	BARC
9 / 10	02-03 August 2008	Thruxton	BARC
11 / 12	30-31 August 2008	Croft	BARC
13	14 September 2008	Cadwell Park	BARC
14	04-05 October 2008	Silverstone	BARC

In accordance with MSA Regulation A29(c), 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 means of an Official Bulletin 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 as follows:  
In each class – **20, 18, 16, 14, 12, 10, 9, 8, 7, 6, 5, 4, 3, 2** and **1** for all other finishers listed in the results  
Plus **1** for fastest lap.
- 1.6.2 Should there be **5** or less starters in a class reduced points will be awarded as follows:  
In each class - **10, 8, 6, 4, 3**  
Plus **1** for fastest lap.
- 1.6.3 The total points from all qualifying rounds run **less 2** will determine final championship points and positions.
- 1.6.4 Ties shall be resolved using the formula in Regulation G11 of the 2008 MSA Yearbook.

## 1.7 Awards:

- 1.7.1 All awards are to be provided by the MGOC unless otherwise stated.
- 1.7.2 Per Round: Commemorative Award to Class Winners
- 1.7.3 Championship: Trophy to overall winner and 1st, 2nd and 3rd in each Class.
- 1.7.4 Bonuses: None
- 1.7.5 Presentations: Garlands 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 shall be posted to the entrants within 21 days of the results being declared final after each round. Trophies will be presented to drivers at a pre-arranged ceremony which will be held immediately after confirmation of the race results. All drivers are required to attend and may be liable to penalties including suspension of Club membership should they fail to comply.
- 1.7.6 Entertainment Tax Liability.

In accordance with current government legislation, the BARC is 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 UK. The UK does not include the Isle of Man, Channel Islands or Eire. This means that, as the organiser, the BARC is required to deduct tax at the relevant rate - currently 23% - from any such payments they may make to non-UK 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 John's House, Merton Road, Bootle, 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 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 the MGOC in good condition within 7 days.

## **2. SPORTING REGULATIONS - JUDICIAL PROCEDURES**

- 2.1 Rounds:** In accordance with Section C(d) of the 2008 MSA Yearbook.
- 2.2 Championship:** In accordance with Section C(d) of the 2008 MSA Yearbook.

## **3. SPORTING REGULATION - 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 closing dates which shall be 20 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 fee.
- 3.1.3 Any withdrawal of entry of 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 will be accepted in accordance with A60(I).
- 3.1.4 The maximum entry fee for each round shall be: As detailed in the event SRs
- 3.1.5 The organisers may, at their total discretion; run a qualification race should the entries received exceed 150% of the number of race starters allowed in the track licence for the circuit in question should there be sufficient time in the meeting timetable to allow for this procedure. Should this be the case, the final instruction for the meeting will carry details of the procedure in question and shall have the same force as these regulations.
- 3.1.6 If at the close of entries, at the date specified on the entry form, entries received exceed 120% of the number of cars allowed to race at the circuit in question and there is no opportunity to run a qualification race, then irrespective of the date of receipt of entries (subject to them being received by the organising club prior to the date of closing) preference will be given to competitors in order of current Championship positions. The remaining entries will be made up of those not having scored points in order of date of receipt of entries. The BARC reserves the right at all times to select entries.
- 3.1.7 In the event that more competitors practice than may start the race, the grid will be composed of the fastest competitors in the official practice session up to the permitted number of starters specified on the track license. The remaining cars will be nominated as reserves, in order of qualifying times, and may replace withdrawn or retired entries in reserve number order.
- 3.1.8 Reserves who practice in the correct session and set a time will take precedence, in reserve number order, over any accepted entry whose practice times are disallowed, or who does not set a time during the official practice for the championship race.

### **3.2 Drivers 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.

### **3.3 Qualifying:**

- 3.3.1 The minimum period of qualifying to be provided is to be as specified in the MSA Regulations in respect of circuit lengths. Should any qualifying session be disrupted the Clerk of the Course shall not be obliged to resume or re-run the session to achieve the championship criteria. The decision of the Clerk of the Course shall be final.
- 3.3.2 For races marked (D/Header) in section 1.5, where it is planned to hold two Championship races, each race shall have a separate qualifying session as per 3.3.1.above. However, the constraints of individual event timetables may not allow for two qualifying sessions in which case one session will be scheduled. Where this is the case, the fastest time set in qualifying will set the grid for the first race and the second fastest time will set the grid for the second race. DNF's from race 1 will start from the back of the grid in race 2 in reverse order of retirement. Competitors will be informed which of these options is to be used by way of Supplementary Regulations / Final Instructions.

### **3.4 Qualification Criteria:**

Each driver should complete a minimum of 3 laps qualifying 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 Regulation G15. The Clerk of the Course and/or Stewards of the Meeting shall have the right to exclude any driver whose qualifying times or driving are considered to be unsatisfactory - as per MSA Regulations G15.

### **3.5 Races:**

The standard minimum scheduled distance shall be 12 miles 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.

### **3.6 Race Starts:**

- 3.6.1 All race start countdowns are to have a minimum elapsed period of 5 minutes from the time all cars are released to form up on the grid to the start of the Green Flag Laps(s) in the formation as specified on the Track License for each circuit.
- 3.6.2 The countdown procedures/audible warnings sequence shall be:  
Standing Starts:  
3 minutes to start of Green Flag/Pace Lap - Close Pitlane Exit.  
2 minutes to start of Green Flag/Pace Lap - Clear Grid Warnings/Grid Closed.  
1 minute to start of Green Flag/Pace Lap - Start engines/Clear Grid.  
30 seconds - visible and audible warning for start of Green Flag/Pace Lap.
- 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 3 minute stage or driven into pits on Green Flag Lap shall be held in the pitlane and may start the race after the last car to take the start from the grid has passed the startline or pitlane exit, whichever is the later.
- 3.6.5 Any drivers unable to start the Green Flag/Pace Lap or start are required to indicate their situation as per MSA Regulation G53 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 light 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

### **3.7 Race Stops:**

- 3.7.1 Should the need arise to stop any race or practice, RED LIGHTS will be switched on at the start line and RED FLAGS will be displayed at the Startline and at the 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 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 Race Leader:  
The race will be null and void. The race will restart from the original grid positions. Competitors unable to take the restart may be replaced by reserves who will start from the back of the grid in reserve order. Gaps on the grid should not be closed up. The length of the restarted 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 50% of race distance completed:  
The race will restart from a grid set out in the finishing order of part one. The result of the race will be the finishing order at the end of part two. The result will not be aggregated. The length of the restarted race will be determined by the Clerk of the Course.
- 3.7.4 If the leader has completed more than 50% of the race distance or duration it shall not be re-started and the results will be declared in accordance with MSA Regulation G23.

### **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 Pits and Pitlane Safety:**

- 3.9.1 Pits: Entrants must ensure that the MSA Circuit Management and Organising Club Safety Regulations are complied with at all times.
- 3.9.2 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 drive at minimum speeds in pitlanes.
- 3.9.3 Refuelling: May only be carried out in accordance with the MSA Regulations G67-70, Circuit Management Regulations and the SRs or Final Instructions issued for each Circuit/Meeting.

### **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 entrance as instructed, comply with any directions given by Marshals or Officials and to keep the helmets on and harnesses done up while on the circuit or in the pitlane.

### **3.11 Results:**

All practice time sheets, grids and 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 an Electronic Self Identification Module (Transponder) to their car 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 Championship qualifying practice sessions and races. The setting and servicing of these items must only be carried out by properly authorised MSA licensed Timekeepers. Competitors will be charged by the timing company for replacement of the Modules due to misuse or loss at any time during the season.

- 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 Safety Car:**

There is no provision for the use of a Safety Car in any race forming a round of this Championship.

## **4. CHAMPIONSHIP RACE PENALTIES:**

### **4.1 Infractions of Technical Regulations:**

- 4.1.1 Arising from post practice scrutineering or judicial action:  
Minimum penalty: The provisions of MSA Regulations C(d)36.
- 4.1.2 Arising from post race scrutineering of judicial action: Minimum penalty:  
The provisions of MSA Regulations C(d)39 (a) and (b).  
For infractions 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 C(d)39 (c).
- 4.1.3 All cars must be presented in a clean and generally undamaged condition. Any car failing to meet the expected standard will be prevented from competing until the faults are rectified to the satisfaction of the eligibility scrutineer. Any competitor who's driving or general behaviour falls below the standard normally expected under these regulations will be interviewed by the Clerk of the Course who may exclude from the event if deemed necessary.

### **4.2 Infractions of non-technical MSA Regulations and Sporting Regulations Issued for the Championship.**

- 4.2.1 Infractions of non-technical MSA Regulations and Sporting Regulations issued for the Championship. As per 2008 MSA Judicial Procedure Regulations.

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 5 TECHNICAL REGULATIONS - CLASS A

THE ELIGIBILITY SCRUTINEER RESERVES THE RIGHT TO SEAL AND SUBSEQUENTLY DISMANTLE ANY PART OF A COMPETING CAR. ANY REBUILDING COSTS WILL BE BORNE BY THE COMPETITOR OF THAT CAR.

### 5 (1) INTRODUCTION:

The following Technical Regulations are set out in accordance with the MSA specified format. It should be clearly understood that if the following text do not clearly specify that you can do it you should work on the principle that you cannot.

5.1.1 The term "standard" applies to components shown in the exploded diagrams in the workshop manuals.

AKD 4957	MGB
AKD 4021	1275 Midget
AKM 4071/B	1500 Midget

### 5 (2) GENERAL DESCRIPTION:

5.2.1 The MGOC Racing Championship is for competitors participating in Class A vehicles, these being: MGA, MGB, MGB GT, MG MIDGET/SPRITE 1275, MG MIDGET 1500.

5.2.2 Regulations for other MG cars can be supplied on request to MGOC.

### 5 (3) SAFETY REQUIREMENTS:

5.3.1 MSA Appendix C(c) Safety Criteria Regulations will apply:

5.3.2 No part of the roll cage is permitted to project through the front bulkhead.

### 5 (4) GENERAL TECHNICAL REQUIREMENTS & EXCEPTIONS:

5.4.1 All vehicles must comply with MSA General Technical Regulations and the relevant parts of sections C(c) & G of the MSA Yearbook except where specified below

5.4.2 Any vehicle may be trailered.

5.4.3 Mark One Sprite, (Frogeye) is not allowed.

5.4.4 Any vehicle may be allowed operational modifications to allow use by a disabled person, proposals are to be submitted in writing for approval before a registration can be accepted.

5.4.5 MOT certificates, insurance or road fund licenses are not required.

### 5 (5) CHASSIS:

5.5.1 The bodyshell may be seam welded.

### 5 (6) BODYWORK:

#### 5.6.1 Permitted Modifications

5.6.1.1 The drivers seat may be changed but must be of a trimmed variety.

5.6.1.2 Passenger seats may be removed.

5.6.1.3 Interior carpets may be removed.

5.6.1.4 All fixed interior trim panels must be retained.

5.6.1.5 Heaters and ducting may be removed

- 5.6.1.6 Standard bumpers must be fitted on the original mounting.
- 5.6.1.7 Over-riders may be removed.
- 5.6.1.8 Rubber bumpers and backing plates may be modified or lightened subject to minimum weight limits.
- 5.6.1.9 GRP bonnets and front wings are permitted on all cars.
- 5.6.1.10 MGB may fit aluminium bonnets.
- 5.6.1.11 MGB GT may fit GRP or metal skin tailgates with 4mm Perspex rear window.
- 5.6.1.12 MGB GT may fit 4mm perspex side windows and remove the window winding mechanisms. The door quarter light frames and original glass must be retained.
- 5.6.1.13 MGB and MGB GT may fit Perspex Sebring type headlamp covers.
- 5.6.1.14 Bonnet, boot and tailgate hinges may be removed.
- 5.6.1.15 The silhouette of the vehicle must remain standard at all times.
- 5.6.1.16 Front and rear Leyland ST pattern spoilers may be fitted to MGB and MGB GT only and must be strictly in accordance with original size and specification.
- 5.6.1.17 Hardtops are free but fastback types are not permitted.

## 5.6.2 **Prohibited Modifications**

- 5.6.2.1 Structural components and body panels must not be removed.
- 5.6.2.2 Flared wheel arches.
- 5.6.2.3 Louvered or modified bonnets.
- 5.6.2.4 One piece GRP front bonnet/wing assemblies.

## **5 (7) ENGINE:**

### 5.7.1 **Permitted Modifications**

- 5.7.1.1 1275 engines may be fitted into 1500 Midget bodyshells however the vehicle must conform to a 1275 Midget in all ways.
- 5.7.1.2 All parts must remain entirely standard as per the makers' original specification.
- 5.7.1.3 Any Leyland/Rover Group original part may be used provided they were fitted as original specification in the model and capacity concerned for UK distribution only.
- 5.7.1.4 1275 Midget may use any A or A Plus type cylinder block.
- 5.7.1.5 Chemical processes such as Tuftriding or Nitriding.
- 5.7.1.6 Small amounts of metal may be removed to achieve dynamic balance.
- 5.7.1.7 The maximum bore sizes are as follows:
 

1275 Midget	-	2.850"
1500 Midget	-	2.970"
MGB/MGB GT	-	3.230"

 All bore dimensions are to be taken at the top of the cylinder bore.
- 5.7.1.8 The maximum crankshaft strokes are as follows:
 

1275 Midget	-	3.209"
1500 Midget	-	3.452"
MGB/MGB GT	-	3.507"

- 5.7.1.9 The crankshaft journals may be reground to normal tolerances and undersize shells fitted.
- 5.7.1.10 Minimum weights for con-rods are as follows:  
           MG Midget - 625 grammes  
           MGB/MGB GT - 715 grammes  
 Metal may not be removed between the horizontal centre lines of big and little ends. Con-rod weights are excluding bearing shells but including big end nuts and bolts.
- 5.7.1.11 Piston design and material is unrestricted.
- 5.7.1.12 Pistons may be balanced by removing minimum metal from below the gudgeon bosses.
- 5.7.1.13 1275 Midget cylinder head may be gas flowed.
- 5.7.1.14 Valve seats may be restored by recutting or fitting inserts, three angle valve seats are permitted. For MGB the valve throat diameters must not exceed: Inlet 1.530" - Exhaust 1.230".
- 5.7.1.15 Valves must conform to a standard Rover/Leyland or acceptable and recognised replacement manufacturers unit. They must remain unmodified and no additional reworking or machining is allowed. The valve head diameters must not exceed the following:  
           1275 Midget - Inlet 1.312" - Exhaust 1.156"  
           MGB - Inlet 1.630" - Exhaust 1.345"  
           1500 - Inlet 1.380" - Exhaust 1.175"
- 5.7.1.16 Should a valve that is designed for unleaded fuel to be fitted then the cross sectional dimensions in all planes must remain standard.
- 5.7.1.17 Valve springs are free.
- 5.7.1.18 Valve guide material is unrestricted.
- 5.7.1.19 Camshaft profiles are free subject to 5.7.1.20.:
- 5.7.1.20 Maximum valve lift is as follows:  
           A Series engines 0.333"  
           B Series engines 0.390"  
           1500 engines 0.380"  
 All taken with zero tappet clearance. there is NO further tolerance allowed above these figures.
- 5.7.1.21 The original manufacturers flywheel must be fitted.
- 5.7.1.22 Flywheel dynamic balance may only be achieved by spot drilling.
- 5.7.1.23 The flywheel may be lightened subject to the following minimum weights, including ring gear:  
           MGB/MGB GT 5.9 kg  
           Midget 1500 9.0 kg  
           Midget 1275 6.4 kg
- 5.7.1.24 The sump may be baffled to prevent surge.
- 5.7.1.25 Vernier timing sprockets are permitted.
- 5.7.2 **Prohibited Modifications**
- 5.7.2.1 Conrods and crankshafts must not be polished.
- 5.7.2.2 MGB and 1500 Midget cylinder heads must not be modified, reworked or polished. Casting marks and sharp edges must remain as the manufacturer intended.
- 5.7.2.3 Offset valve rockers or bushes.
- 5.7.2.4 Inclined or flow enhancing valves (e.g. Rimflow).

- 5.7.3           **Location**
- 5.7.3.1         Engines must remain in the original position using original mountings.
- 5.7.4           **Oil/Water Cooling**
- 5.7.4.1         Oil coolers may be fitted within the periphery of the bodywork.
- 5.7.4.2         Water radiators must remain standard. Additional supplementary cooling systems are not allowed.
- 5.7.4.3         The heater may be removed.
- 5.7.4.4         Electric cooling fans may be fitted.
- 5.7.5           **Induction Systems**
- 5.7.5.1         Only the standard equipment carburettors may be fitted. No internal re-shaping or polishing is permitted.
- 5.7.5.2         Carburettor jets, needles and damper springs are free.
- 5.7.5.3         Inlet manifolds must remain standard with no additional machining or polishing.
- 5.7.5.4         Air filters are free.
- 5.7.5.5         Carburettor ducting is permitted.
- 5.7.6           **Exhaust Systems**
- 5.7.6.1         Exhaust manifolds are free on all cars.
- 5.7.6.2         All exhaust systems are free beyond the manifold, but must exit at the rear of the car.
- 5.7.7           **Ignition Systems**
- 5.7.7.1         Engine management systems of any type are not permitted, only mechanical advance and retard is allowed.
- 5.7.7.2         The original distributor must remain in use in its original location.
- 5.7.7.3         External programme sensitive advance and retard is not allowed.
- 5.7.7.4         Single pulse electronic ignition systems (e.g. Aldon Ingitor, Lucas, or Lumention) are allowed.
- 5.7.8           **Fuel Delivery Systems**
- 5.7.8.1         Non standard fuel pumps and pressure regulators are permitted.
- 5 (8)           SUSPENSION:**
- 5.8.1           **Permitted Modifications**
- 5.8.1.1         Springs must be of the original type, configurations and materials.
- 5.8.1.2         Spring rates are free.
- 5.8.1.3         Lowering blocks may be fitted to the rear springs.
- 5.8.1.4         Wheel camber angles are free
- 5.8.1.5         Non standard trunnions, bushes or wishbone arms are permitted in order to achieve 5.8.1.4.

- 5.8.1.6 Anti-roll bar mounting blocks and all suspension bushes and leaf spring pads may be of non-standard material.
- 5.8.1.7 Rear anti-roll bars may only be fitted to rubber bumper MGB/MGBGT.
- 5.8.1.8 MGB and MGBGT may fit up to 3/4" anti-roll bars.
- 5.8.1.9 All Midgets/Sprites may fit up to 11/16" anti-roll bar.
- 5.8.1.10 Car ride height is free subject to C(b)26(k).
- 5.8.1.11 Leyland ST adjustable lever arm rear dampers are permitted.
- 5.8.1.12 The front suspension bump stop may be shortened.

## 5.8.2 **Prohibited Modifications**

- 5.8.2.1 Component dimensions and pick-up points must remain standard except as stated in 5.8.1.5.
- 5.8.2.2 Any physical modifications to the front spring pans.
- 5.8.2.3 Parabolic or single leaf rear springs.

## 5.8.3 **Wheelbase/Track**

- 5.8.3.1 Wheelbase and track dimension must remain standard.
- 5.8.3.2 Wheel spacers are not allowed.

## **5 (9) TRANSMISSION:**

### 5.9.1 **Permitted Modifications**

- 5.9.1.1 The gearbox and ratios must be as fitted to any production model of the car in question.
- 5.9.1.2 Overdrive is permitted on MGB/MGBGT only.
- 5.9.1.3 MG Midgets/Sprites may fit competitions type splined half shafts with separate end flange.
- 5.9.1.4 The clutch cover is free providing that the cover assembly bolts fit directly to the original bolt and dowel holes in the flywheel without modification.
- 5.9.1.5 The clutch driven plate must be of the same diameter as the original equipment.

### 5.9.2 **Prohibited Modifications**

- 5.9.2.1 Close ratio gears.
- 5.9.2.2 Locked, limited slip or torque based differentials.
- 5.9.2.3 Traction or starting control devices.

### 5.9.3 **Transmission & Drive Ratios**

- 5.9.3.1 Only the following differential ratios are permitted:
 

MGB/MGBGT	- 3.9, 4.1, 4.3, 4.5.
Midgets/Sprites	- 3.7, 3.9, 4.2

## **5 (10) ELECTRICS:**

- 5.10.1 Exterior lighting must remain standard and fully operational.
- 5.10.2 High intensity rear lights must be fitted.
- 5.10.3 MGB/MGBGT may fit a single 12 volt battery. The battery location is free.
- 5.10.4 Non-standard starter motors are permitted.

- 5.10.5 Lightweight gel type batteries are permitted.
  - 5.10.6 The standard dynamo or alternator must be retained and remain fully operational at all times.
  - 5.10.7 Pulley diameters are unrestricted.
  - 5.10.8 The use of any type of data acquisition or data logging system is not permitted. Any electrical or mechanical inputs, probes, sensors or transducers are to be removed or disconnected during an official timed qualification session or race. Under no circumstances may any probes, sensors or transducers relating to any type of data acquisition or data logging system be connected into the engine or chassis wiring looms
- Conventional pit to car timing systems using a single pulse beam signal are permitted.

## **5 (11) BRAKES:**

### **5.11.1 Permitted Modifications**

- 5.11.1.1 Front disc backing plates may be removed.
- 5.11.1.2 Rear wheel cylinders may be changed.
- 5.11.1.3 Rear brake drums and backing plate may be drilled to assist ventilation. A maximum of two holes may be drilled in the backplate and these may not exceed 35mm diameter.
- 5.11.1.4 MG Midget may fit retaining clips and springs to rear brake shoes
- 5.11.1.5 Competition pads, linings and brake hoses may be fitted.
- 5.11.1.6 All cars may fit dual circuit brake systems using original components as fitted to later cars.
- 5.11.1.7 Ducting to the front and rear brakes is allowed providing no modifications are made to the bodywork.

### **5.11.2 Prohibited Modifications**

- 5.11.2.1 Vented, composite, modified discs or drums.

## **5 (12) WHEELS/STEERING:**

### **5.12.1 Permitted Modifications**

- 5.12.1.1 Wheels may be either the manufacturers original steel type or a non standard pattern which fit on the original hubs without modification.
- 5.12.1.2 Maximum wheel sizes are as follows:
 

MGB/MGBGT:	5.5" wide x 14" diameter
MG Midget/Sprite:	5" wide x 13" diameter

### **5.12.2 Prohibited Modifications**

- 5.12.2.1 Wheel spacers.
- 5.12.2.2 Non-standard steering racks and associated components.

## **5 (13) TYRES:**

- 5.13.1 Specifications Only the following sizes are permitted:
 

MGB/MGBGT:	185 x 60 x 14
Midgets/Sprites:	175 x 60 x 13
- 5.13.2 Nominated Manufacturers All cars must use Yokohama 032R (S Compound) or 048R (M Compound)

5.13.3 The compound marking on the sidewall is to remain clearly visible at all times. Any tyre not clearly showing the manufacturers original compound marking will be deemed non-compliant.

5.13.4 The nominated supplier is: Adams and Page  
Lincoln Road, Cressex Estate, High Wycombe, Bucks HP12 3RO  
Tel: 01494 445389 Fax: 01494 473302

## **5 (14) WEIGHTS:**

5.14.1 The minimum weights as the car finishes qualifying or race with the driver on board are as follows:  
MGB/MGB GT 965 Kg                      1275 MIDGET 805 Kg                      1500 MIDGET 805 Kg

5.14.2 Any ballast must be securely fixed in the front passenger seat location area or footwell.

5.14.3 The Championship Organisers reserve the right to review and alter weight limits up to a maximum of two occasions per year with a minimum of 14 days notice to the MSA and competitors concerned.

## **5 (15) FUEL TANK/FUEL:**

5.15.1. The original fuel tank as fitted by the manufacturers must be retained and used.

5.15.2 Fuel tanks may be foam filled if desired.

5.15.3 The fuel tank must remain in its original position.

5.15.4 Pump fuel must be used as defined in the Terminology Section of the MSA Blue Book.

## **5 (16) SILENCING:**

5.16.1 A silencer to comply with MSA noise regulations must be fitted as part of the exhaust system.

## **5 (17) NUMBERS and CHAMPIONSHIP DECALS:**

5.17.1 All cars are to fit combined number backgrounds and Lancaster Insurance name stickers to the side doors and bonnet.

5.17.2 On MG Midgets fitted with door mirrors, the written section of the Lancaster Insurance sticker may be detached and fitted directly below the number background on the door sill.

5.17.3 Combined MGOC/BARC decals are to be positioned on each side of the car but the position is free.

5.17.4 Yokohama decals must be positioned on both sides of the car - position free

5.17.5 All decals are provided on request by the MG Owners' Club to registered competitors.

## **5.18 MGA Cars**

MGA cars are to be admitted into Class A of the MGOC Championship.  
All cars must comply with the preceding Class A Technical Regulations for the MGB Roadster, the following additional specific items are to be noted:

### **5.18.1 BODYWORK - MGA**

Fibreglass front wings are permitted.  
Fibreglass or aluminium bonnets may be fitted, these may be louvered.  
Flyscreens are permitted.  
Open cars or Roadsters fitted with detachable hardtops must be fitted as per MSA Reg. C(c)7-

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Factory built steel bodied coupes built before 31<sup>st</sup> December 1961 (Period E) are exempt from the roll cage requirements.  
Floorboards must be the original timber ply, aluminium is not permitted  
The front and rear bumpers may be replaced with works replica valances.

### **5.18.2 ENGINE - MGA**

Engines must be 1500cc or 1622cc pushrod. Twin cam or MGB engines are not permitted.  
Cars originally fitted with 1500cc engines may fit the 1622 engine from Mk2 cars.  
The maximum engine overbore permitted on any engine is + .060".  
Valve sizes must not exceed: Inlet – 1.630" , Exhaust – 1.345"  
Carburettors must be twin 1 ½ SU.  
Tubular exhaust manifolds are permitted.  
The exhaust system must exit at the rear of the car.

### **5.18.3 SUSPENSION - MGA**

As per MGB Roadster.

### **5.18.4 TRANSMISSION - MGA**

The gearbox and internal ratios must be as fitted to Mk 1 or 2 cars.  
Close ratio gears are not permitted.

### **5.18.5 BRAKES - MGA**

Mk I cars may be upgraded to the front disc arrangement as fitted to Mk 2 cars.

### **5.18.6 WHEELS - MGA**

Wheel types are free but must fit onto the original hubs.  
The maximum wheel size permitted is 15" diameter x 5.5" wide.

### **5.18.7 TYRES - MGA**

All cars must use Yokohama 032R (S compound) or 048R (M compound)  
Tyre size must be 195 x 55 x 15

### **5.18.8 WEIGHT - MGA**

The minimum weight as the car finishes qualifying or race with the driver on board is 965kg

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 6. TECHNICAL REGULATIONS - CLASS B

THE ELIGIBILITY SCRUTINEER RESERVES THE RIGHT TO SEAL AND SUBSEQUENTLY DISMANTLE ANY PART OF A COMPETING CAR. ANY REBUILDING COSTS WILL BE BORNE BY THE COMPETITOR OF THAT CAR.

### 6 (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 that you cannot.

- 6.1.1 The term "standard" applies to components shown in the exploded diagrams in the workshop manuals.
- |          |            |
|----------|------------|
| AKM 5435 | MG Montego |
| AKM 6255 | MG Maestro |
| TBA      | MG ZS120   |

### 6 (2) GENERAL DESCRIPTION:

- 6.2.1 Cars eligible to compete in Class B of the MGOC Championship are: MG Maestro 1600, MG Maestro Efi, MG Montego Efi, MG Montego Efi Estate, ZS120 Saloon, ZS120 Hatchback. Regulations for other MG cars can be supplied on request to MGOC.
- 6.2.2 Sections 6(3), 6(4), 6(15), 6 (15) and 6(17) apply to all cars  
Sections 6 (5) to 6 (14) apply to permitted MG Maestro and Montego models.  
Sections 6 (18) to 6 (26) apply to permitted MG ZS120 models.

### 6 (3) SAFETY REQUIREMENTS:

- 6.3.1 MSA Regulations C(c) Safety Criteria Regulations will apply

### 6 (4) GENERAL TECHNICAL REQUIREMENTS & EXCEPTIONS:

- 6.4.1 All vehicles must comply with MSA General Technical Regulations and the relevant parts of sections C(c) and G of the MSA Yearbook except where specified below.
- 6.4.2 Any vehicle may be allowed operational modifications to allow use by a disabled person, proposals are to be submitted in writing for approval before a registration can be accepted.
- 6.4.4 MOT Certificates, insurance or Road Fund Licenses are not required.

### 6 (5) CHASSIS:

- 6.5.1 The body shell may be seam welded.
- 6.5.2 Strut braces may be fitted across the front suspension mounts

### 6 (6) BODYWORK:

#### 6.6.1 Permitted Modifications

- 6.6.1.1 Plastic inner wheel arches may be removed.
- 6.6.1.2 The driver's seat may be changed but it must be of a trimmed variety.
- 6.6.1.3 Front passenger seats may be removed.
- 6.6.1.4 All interior trim with the exception of the dashboard carcass, door panels and door capping trims may be removed.

- 6.6.1.5 Rear wiper and central locking motors may be removed.
- 6.6.1.6 Side rubbing strips and front spoiler trims may be removed.
- 6.6.1.7 Bonnet hinges may be removed.
- 6.6.1.8 The silhouette of the vehicle must remain standard at all times.
- 6.6.1.9 A sump skid guard not exceeding 600mm x 900mm is permitted.
- 6.6.1.10 Heater may be removed.
- 6.6.1.11 MG Montego Estate only may replace the fixed rear quarter windows and tailgate glass with minimum 4mm Perspex
- 6.6.1.12 Two door mirrors as fitted by the manufacturer must be fitted.

## 6.6.2 **Prohibited Modifications**

- 6.6.2.1 Structural components and body panels must not be removed, lightened or deformed.

## **6 (7) ENGINE**

### 6.7.1 **Permitted Modifications**

- 6.7.1.1 All parts must remain entirely standard as per the makers original specifications unless stated otherwise.
- 6.7.1.2 1600 R series Maestro may use non standard cylinder head bolts or studs. The material is unrestricted but the diameter must remain as per the original item.
- 6.7.1.3 Any Rover Group original parts may be used provided they were originally fitted to the model and capacity concerned for UK distribution only.
- 6.7.1.4 Chemical processes such as Tuftriding or Nitriding.
- 6.7.1.5 Small amounts of metal may be removed to achieve dynamic balance.
- 6.7.1.6 It is permitted to remove metal from the conrod ends To achieve balance on 3 of 4 conrods, however one of the four conrods must remain unmachined.
- 6.7.1.7 The minimum flywheel weight on 1600 Maestro is 3750 grammes.
- 6.7.1.8 Piston design and material is unrestricted
- 6.7.1.9 The maximum bore sizes are as follows:
 

1600 MG Maestro	-	78.00mm
EFi Maestro	-	86.22mm
EFi Montego	-	86.22mm

 All bore dimensions are to be taken at the top of the cylinder bore.
- 6.7.1.10 The maximum crankshaft strokes are as follows:
 

1600 MG Maestro	-	87.58mm
EFi Maestro	-	89.00mm
EFi Montego	-	89.00mm
- 6.7.1.11 Crankshaft journals may be reground to normal tolerances and undersized shells fitted.
- 6.7.1.12 1600 MG Maestro cylinder heads may be gas flowed.
- 6.7.1.13 1600 MG Maestro valves are free but the original head diameter must be retained.
- 6.7.1.14 1600 MG Maestro only may fit valve seat inserts to enable unleaded petrol to be used.

- 6.7.1.15 EFi Maestro/Montego cylinder heads must be completely standard, with all original casting marks intact.
- 6.7.1.16 EFi Maestro/Montego valves must conform to a standard Rover or acceptable and recognised replacement manufacturers unit. They must remain unmodified and no additional reworking or machining is allowed.
- 6.7.1.17 Valve guide material is unrestricted.
- 6.7.1.18 Valve seats may be cut to a three angle profile
- 6.7.1.19 Cylinder head and engine block faces may be skimmed
- 6.7.1.20 Valve springs are free.
- 6.7.1.21 Vernier timing sprockets may be fitted.
- 6.7.1.22 The sump may be baffled to prevent surge.
- 6.7.1.23 Camshafts must be original Rover Group manufacture showing LYD casting marks and the following part numbers: 1600 MG Maestro - UAM 1240 or UAM 1662  
Efi Maestro - CAM 8208 or CAM 9903
- 6.7.1.24 Camshafts as detailed in 6.7.1.23. may be re-ground but the maximum valve lift must not exceed:  
1600 MG Maestro - 0.350" Efi Maestro/Montego - 0.380"
- 6.7.1.25 All Efi engines are to have a 10mm hole drilled in the cam cover directly above an inlet cam lobe to allow for valve lift checks to be made.
- 6.7.2 **Prohibited Modifications**
- 6.7.2.1 Conrods and crankshafts must not be polished.
- 6.7.2.2 Modifications to the valve spring collars or valve springs pockets.
- 6.7.2.3 Flow enhancing valves (eg Rimflow) on EFi Maestro/Montego.
- 6.7.2.4 EFi Maestro/Montego cylinder heads must not be modified, reworked or polished. Casting marks and sharp edges must remain as the manufacturer intended.
- 6.7.3 **Location**
- 6.7.3.1 Engines must remain in the original position using original mountings.
- 6.7.4 **Oil/Water Cooling**
- 6.7.4.1 Oil coolers may be fitted with the periphery of the bodywork.
- 6.7.4.2 1600 Maestro may run EFi Maestro radiators, on all other cars the radiators must remain as originally fitted to that model. Additional supplementary cooling systems are not allowed.
- 6.7.5 **Induction Systems**
- 6.7.5.1 1600 MG Maestro must use standard equipment carburettors, no internal re-shaping or polishing is permitted.
- 6.7.5.2 1600 MG Maestro carburettor jets, needles and damper springs are free.
- 6.7.5.3 1600 MG Maestro maximum choke size is 34mm.
- 6.7.5.4 1600 MG Maestro inlet manifolds must remain standard and no additional machining or polishing is permitted. No material may be added.

- 6.7.5.5 1600 MG Maestro air filters are free.
- 6.7.5.6 EFi Maestro/Montego must retain standard air filter boxes.
- 6.7.5.7 On Efi Maestro/Montego air filter box must be compatible to the type of injection system (MEMS or LUCAS) being used.
- 6.7.5.8 On EFi Maestro/Montego either MEMS or LUCAS injection systems as fitted by Rover Group may be used but it must be used completely in either form. No cross matching of parts between systems is permitted.
- 6.7.5.9 Inlet ducting is allowed on all cars.

#### 6.7.6 **Exhaust Systems**

- 6.7.6.1 Exhaust manifolds must remain standard.
- 6.7.6.2 All exhaust systems are free beyond the manifold, but must exit at the rear of the vehicle.

#### 6.7.7 **Ignition Systems**

- 6.7.7.1 On 1600 MG Maestro cars the ignition system is free.
- 6.7.7.2 On EFi Maestro/Montego either MEMS or LUCAS ignition systems as fitted by Rover Group may be used but it must be used completely in form. No cross matching of parts between systems is permitted.

### **6 (8) SUSPENSIONS:**

#### 6.8.1 **Permitted Modifications**

- 6.8.1.1 On all cars the spring rates and dimensions are free.
- 6.8.1.2 All cars may fit adjustable rate/adjustable platform shock absorbers.
- 6.8.1.3 Wheel camber angles are free
- 6.8.1.4 EFi Maestro/Montego may fit anti-roll bars to front and rear. These must be to the original diameter.
- 6.8.1.5 1600 MG Maestro may fit anti-roll bar to the front only. These must be to the original diameter.
- 6.8.1.6 All anti-roll bar and other suspension bushes may be on non-standard material.
- 6.8.1.7 All cars may fit an anti drop bush to the Macpherson strut top mounting.
- 6.8.1.8 Ride height is free subject C(b)26(k).

#### 6.8.2 **Prohibited Modifications**

- 6.8.2.1 Suspension geometry, component dimensions and pick-up points must remain standard except as stated in 5.8.1.3.

#### 6.8.3 **Wheelbase/Track**

- 6.8.3.1 Wheelbase and track dimensions must remain standard.
- 6.8.3.2 Wheel spacers are not allowed.

### **6 (9) TRANSMISSIONS:**

#### 6.9.1 **Permitted Modifications**

- 6.9.1.1 The clutch cover is free providing that the cover assembly bolts fit directly to the original bolt and dowel holes in the flywheel without modification.

6.9.1.2 The clutch drive plate must be of the same diameter as the original equipment.

6.9.2 **Prohibited Modifications**

6.9.2.1 Locked, limited slip or torque biased differentials.

6.9.2.2 Traction control or starting control devices.

6.9.3 **Transmission & Drive Ratios**

6.9.3.1 The gear ratios are free provided they fit within the original casing and allow a maximum of five forward gears.

6.9.3.2 Differential ratios on 1600 MG Maestro are free.

**6 (10) ELECTRICS:**

6.10.1 Exterior lighting must remain standard and fully operational.

6.10.2 High intensity rear lights must be fitted.

6.10.3 The standard alternator must be retained and remain fully operational at all times.

6.10.4 Pulley diameters are unrestricted.

6.10.5 The use of any type of data acquisition or data logging system is not permitted. Any electrical or mechanical inputs, probes, sensors or transducers are to be removed or disconnected during an official timed qualification session or race. Under no circumstances may any probes, sensors or transducers relating to any type of data acquisition or data logging system be connected into the engine or chassis wiring looms

Conventional pit to car timing systems using a single pulse beam signal are permitted.

6.10.6 Lightweight gel type batteries are permitted

**6 (11) BRAKES:**

6.11.1 **Permitted Modifications**

6.11.1.1 Front disc backing plates may be removed.

6.11.1.2 Competition pads, linings and brake hoses are permitted.

6.11.1.3 Ducting to the front brakes are allowed providing no modifications are made to the bodywork.

6.11.1.4 1600 MG Maestro may use standard size ventilated discs and calipers as fitted to Efi Maestro/Montego.

6.11.2 **Prohibited Modifications**

6.11.2.1 Composite, modified discs or drums.

**6 (12) WHEELS/STEERING:**

6.12.1 **Permitted Modifications**

6.12.1.1 All cars may use 14" wheels: NAM3300, NAM7222 or NAM9000 or any 15" wheel fitted as standard to MG Maestro or Montego

6.12.2 **Prohibited Modifications**

6.12.2.1 Wheel spacers.

6.12.2.2 Non-standard steering racks and associated components.

## **6 (13) TYRES:**

6.13.1 Specifications: Tyre sizes are to be 185 / 60 x 14 or 195 / 55 x 15

6.13.2 Nominated Manufacturers All cars must use Yokohama 032R (S compound)  
or 048R (M compound)

6.13.3 The compound marking on the sidewall is to remain clearly visible at all times. Any tyre not clearly showing the manufacturers original compound marking will be deemed non-compliant.

6.13.4 The nominated supplier is: Adams and Page  
Lincoln Road, Cressex Estate, High Wycombe, Bucks, HP12 3RO  
Tel: 01494 445389 Fax: 01494 473302

## **6 (14) WEIGHTS:**

6.14.1 The minimum weights as the car finishes qualifying or race with the driver on board are:  
MG Maestro 1600 - 972Kg  
MG Maestro Efi - 1065Kg  
MG Montego Efi - 1065Kg

6.14.2 Any ballast must be securely fixed in the front passenger seat location area or footwell.

6.14.3 The Championship Organisers reserve the right to review and alter weight limits up to a maximum of two occasions per year with a minimum of 14 days notice to competitors concerned.

## **6 (15) FUEL TANK/FUEL:**

6.15.1. The original fuel tank as fitted by the manufacturer must be retained and used.

6.15.2 Fuel tanks may be foam filled if desired.

6.15.3 The fuel tank must remain in its original position.

6.15.4 Pump fuel must be used as defined in the Terminology Section of the MSA Blue Book.

## **6 (16) SILENCING:**

6.16.1 An efficient silencer must be fitted as part of the exhaust system to comply with noise regulations.

## **6 (17) NUMBERS and CHAMPIONSHIP DECALS:**

6.17.1 All cars are to fit combined number backgrounds and Lancaster insurance name stickers to the side doors and bonnet.

6.17.2 All decals are provided on request by the MG Owners Club to registered competitors.

6.17.2 Combined MGOC/BARC decals are to be positioned on each side of the car, location is free.

6.17.3 Yokohama decals must be displayed on both sides of the car - location is free

## **ZS120 CARS**

### **6 (18) INTRODUCTION:**

- 6.18.1 The following Technical Regulations for MG ZS120 cars are set out in accordance with the MSA specified format and it should be clearly understood that if the following texts do not clearly state that you can do the works you should work on the principle that you cannot.
- 6.18.2 No modifications are permitted from the standard UK production specification other than those specified hereafter or listed in official Technical Bulletins.
- 6.18.3 For technical preference the following MG Rover documents apply:
  - System Description Manual – RCL 0380
  - Service Procedure Manual – RCL 0380
  - PGI Gearbox Manual – RCL 0124
  - K Series Overhaul Manual – RCL 0057

### **6 (19) GENERAL DESCRIPTION:**

- 6.19.1 Body shells from any MG ZS model may be used but cars must conform totally to ZS120 specification.
- 6.19.2 MOT Certificates, road insurance and Road Fund Licences are not required.
- 6.19.3 Cars must run on unleaded fuel which complies with the MSA definition of pump fuel to BS EN 228.
- 6.19.4 The minimum weight measured as the car finishes qualifying or race with the driver on board is 1120Kg.
- 6.19.5 Any ballast must be securely fixed in the front passenger seat location area or footwell.

### **6 (20) SAFETY REQUIREMENTS:**

- 6.20.1 MSA Appendix Q Safety Requirements will apply.
- 6.20.2 The original MG Rover fuel tank must be fitted. It may be baffled or foam filled.

### **6 (21) PERMITTED MODIFICATIONS:**

- 6.21.1 Shock absorbers may be changed to adjustable rate / adjustable platform type.
- 6.21.2 Spring rates are free.
- 6.21.3 Ride height is free subject to MSA Regulation C(b)26(k)
- 6.21.4 Adjustable top suspension mounts are permitted.
- 6.21.5 Wheel camber is free.
- 6.21.6 Additional oil coolers may be fitted
- 6.21.7 Suspension and rear H frame bushes and engine mounting materials are free.
- 6.21.8 Non Standard air filter and induction kits are permitted.
- 6.21.9 Strut braces may be fitted across the front suspension mounts
- 6.21.10 The original MG Rover ECU box must be fitted but the mapping of the chip within it is free

- 6.21.11 The inlet and exhaust cams must be the original MG Rover items. Aftermarket cams are not permitted.
- 6.21.12 Inlet and exhaust cam profiles must remain exactly as the original MG Rover design.
- 6.21.13 Inlet and exhaust ports and combustion chambers must remain completely unmodified.
- 6.21.14 Two 1.5mm holes are to be drilled in adjacent cam cover bolts for the purpose of fitting engine seals.
- 6.21.15 Standard MG Rover 48mm or 52mm throttle bodies are permitted.
- 6.21.16 Flywheel material is free, minimum weight of flywheel with ring gear is 4kg.

## **6 (22) INTERIOR:**

- 6.22.1 All original factory fitted interior trim, fittings and carpets must be retained unless detailed below.
- 6.22.2 The drivers seat may be changed and the standard seat fixings removed or modified.
- 6.22.3 The passenger seat, rear seat and floor carpets may be removed.
- 6.22.4 The use of non-standard door trim panels is permitted.
- 6.22.5 The steering wheel may be changed.
- 6.22.6 The rear quarter trim panels and roof lining may be removed.
- 6.22.7 Airbags may be removed or de-activated.

## **6 (23) BRAKES:**

- 6.23.1 Brake pad and friction material is free.
- 6.23.2 Metal braided hoses are permitted.
- 6.23.3 Brake ducting is permitted providing no modifications are made to the bodywork
- 6.23.4 Brake backplates may be removed

## **6 (24) EXHAUST:**

- 6.24.1 The original ZS120 exhaust manifold and downpipe incorporating the catalytic converters must be retained. Exhaust pipes and silencers beyond the downpipe are free, but must exit at the rear of the vehicle. Emissions must comply with the following Road Traffic Act / MOT requirements  
Max 0.3% CO at 450 to 1500 rpm idle speed  
Max 0.2% CO at 2500 to 3000 rpm idle speed.

## **6 (25) ELECTRICS:**

- 6.25.1 The use of any type of data acquisition or data logging system is not permitted. Any electrical or mechanical inputs, probes, sensors or transducers are to be removed or disconnected during an official timed qualification session or race.  
Under no circumstances may any probes, sensors or transducers relating to any type of data acquisition or data logging system be connected into the engine or chassis wiring looms.
- 6.25.2 Lightweight gel type batteries are permitted.

## **6 (26) WHEELS AND TYRES:**

- 6.26.1 Only the 16 inch wheels as supplied by MG Rover and fitted to MG ZS saloons are permitted
- 6.26.2 Wheel spacers up to a maximum of 2.5mm thick are permitted.
- 6.26.3 All cars must use 205 / 50 x 16 Yokohama 032R (S compound) or 048R (M compound) tyres.
- 6.26.4 The compound marking on the sidewall is to remain clearly visible at all times. Any tyre not clearly displaying the manufacturers original compound marking will be deemed non-compliant.
- 6.26.5 The nominated supplier is: Adams and Page  
Lincoln Road, Cressex Estate, High Wycombe, Bucks, HP12 3RO  
Tel: 01494 445389 Fax: 01494 473302

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 7. TECHNICAL REGULATIONS - CLASS F

THE ELIGIBILITY SCRUTINEER RESERVES THE RIGHT TO SEAL AND SUBSEQUENTLY DISMANTLE ANY PART OF A COMPETING CAR. ANY REBUILDING COSTS WILL BE BORNE BY THE COMPETITOR OF THAT CAR.

### 7.1 INTRODUCTION:

- 7.1.1 The following Technical Regulations for MGF cars are set out in accordance with the MSA specified format and it should be clearly understood that if the following texts do not clearly state that you can do the works you should work on the principle that you cannot.
- 7.1.2 No modifications are permitted from the standard production specification other than those specified hereafter or listed in official Technical Bulletins

### 7.2 GENERAL DESCRIPTION:

- 7.2.1 The Championship is open to 1.8i and VVC MGF sports cars.
- 7.2.2 MoT certificates, Insurance and Road Fund licences are not required.
- 7.2.3 Cars may run open or closed with factory hardtop or standard hood.
- 7.2.4 The car must at all times run on unleaded fuel which complies with the MSA definition of pump fuel BS EN228.
- 7.2.5 At all times the noise level must respect MSA Regulation C(b)23 . The maximum permitted level is 105dbA.
- 7.2.6 Ride height is free subject to C(b)26(k)
- 7.2.7 The minimum weight measured as the car finishes qualifying or race with the driver on board is 1100Kg
- 7.2.8 Any ballast must be securely fixed in the front passenger seat location area or footwell.

### 7.3 SAFETY REQUIREMENTS:

- 7.3.1 MSA Appendix C(c) Safety Requirements will apply.
- 7.3.2 No part of the rollcage is permitted to project through the front bulkhead into the engine compartment

### 7.4 PERMITTED MODIFICATIONS:

- 7.4.1 With the exception of those items specifically permitted within these Regulations, no MG Rover or MG dealer offered factory options are permitted without the written approval of the Series Co-ordinator.
- 7.4.2 It is permitted to upgrade a factory supplied 1.8i car to VVC specification providing that the conversion is total in all respects, including interior trim and dashboard
- 7.4.3 Cars fitted with MEMS 2 may be converted to run the later MEMS 3 ECU.
- 7.4.4 Any accessory or cosmetic modification which will not influence the cars overall performance will be allowed subject to the approval of the series Co-ordinator.
- 7.4.5 The fitting of a factory accessory front spoiler or the Krafthaus front air splitter Part no. KH98 is allowed provided that it is fitted in accordance with the manufactures instructions.
- 7.4.6 Fibreglass bonnets and boot lids to the original MG Rover standard shape are permitted.
- 7.4.7 The fitting of MG Rover accessory rear spoiler is permitted.
- 7.4.8 It is permitted to disable the EPAS system by removing the under bonnet mounted 40amp fuse.

- 7.4.9 Engine mounting and suspension / subframe bush material is free.
- 7.4.10 The bodyshell may be seam welded.
- 7.4.11 The clutch driven plate and cover are free providing that the operating principle remains as standard.
- 7.4.12 It is permitted to fit a link across the fuel cut-out to inertia switch to overcome spurious operation.
- 7.4.13 It is permitted to fit an air / liquid oil cooler.
- 7.4.14 The fitting of an alternative proprietary made air filter and ram pipe is allowed.
- 7.4.15 A catalytic converter must be fitted but the internal design is free subject to the exhaust emissions complying with the following Road Traffic Act / MOT requirements  
Max 0.3% CO at 450 to 1500 rpm idle speed  
Max 0.2% CO at 2500 to 3000 rpm idle speed.
- 7.4.16 The rear tie bar assembly may be fitted with compliant spacer washers.
- 7.4.17 Shock absorbers may be changed for a direct replacement type with adjustable damping. Coil springs or adjustable platforms are not permitted.
- 7.4.18 Each Hydrogas suspension unit may be individually inflated with a separate valve operating each unit. The under floor Hydrogas connection pipes may be removed.
- 7.4.19 It is permitted to strengthen the rear damper mountings
- 7.4.20 The production front and rear bump stops (NAM 9926) must be retained in their original position. The material may be modified by cutting or grooving.
- 7.4.21 Lowering knuckles are permitted.
- 7.4.22 Brake ducting is permitted providing no modifications are made to the bodywork.
- 7.4.23 Standard MG Rover 48mm or 52mm throttle bodies are permitted.
- 7.4.24 MG TF front and rear bumper panels, boot lid and headlamps may be fitted.
- 7.4.25 MG TF bodyshells and body panels may be used but cars must use MGF subframes and suspension and must comply completely with all MGF mechanical and electrical specifications. The bolt in cross braces originally fitted to MG TF cars must be removed.
- 7.4.26 The power steering motor and the ECU may be removed and the steering column may be changed to a non-EPAS type.
- 7.4.27 Wheel camber angles are free
- 7.4.28 Flywheel material is free, minimum weight of flywheel with ring gear is 4kg.
- 7.4.29 The original MG Rover MEMS2 or MEMS3 ECU must be retained but the mapping within it may be modified by Superchips Ltd to give performance figures equivalent to MGOC Championship specification ref. MEMS2/MGOC. ECU's modified by any other supplier or to any other standard are not permitted
- 7.4.30 The inlet and exhaust cams must be the original MG Rover items. Aftermarket cams are not permitted.
- 7.4.31 Inlet and exhaust cam profiles must remain exactly as the original MG Rover design.
- 7.4.32 Inlet and exhaust ports and combustion chambers must remain completely unmodified.
- 7.4.33 The exhaust manifold and down pipes as fitted to later MGFs may be fitted to earlier cars.
- 7.4.34 Two 1.5mm holes are to be drilled in adjacent cam cover bolts for the purpose of fitting engine seals.

## **7.5 INTERIOR:**

- 7.5.1 The driver seat may be changed and the standard seat fixings/runners removed or modified. The passenger seat may be removed.
- 7.5.2 The steering wheel may be changed.
- 7.5.3 Interior carpets may be removed.
- 7.5.4 The rear parcel shelf, the trim behind the seats and the rear bulkhead finisher can be removed or modified to accommodate the roll cage.
- 7.5.5 The entire hood assembly can be removed if the car is running with a hardtop.
- 7.5.6 All interior trim, dashboard and standard fittings must remain in place and the dashboard is to remain unmodified.
- 7.5.7 It is permitted to add a plate to the throttle pedal.
- 7.5.8 It is permitted to reduce the length of the gear lever and remove the balance weight. The production gear linkage ball joints at the gearbox and gear lever end may be replaced with rose joints.
- 7.5.9 The radio may be removed and in its place a radio aperture blanking plate part no. 10065 may be used for mounting the extinguisher and battery isolation switches.
- 7.5.10 Door trim panels and rear quarter panel trims must be fitted but may be trimmed to accommodate the rollcage door bars. The use of non-standard door trim panels is permitted.

## **7.6 BRAKES:**

- 7.6.1 Brake pad and friction material is free.
- 7.6.2 Metal braided hoses are permitted
- 7.6.3 The brake servo unit may be braced to the bulkhead with a strengthening bracket.
- 7.6.4 Front and rear brake discs may be grooved or slotted but must not exceed 240mm diameter.
- 7.6.5 The ABS system may be disabled by removal of the multi-plug on the valve block.

## **7.7 TRANSMISSION:**

- 7.7.1 It is not permitted to exchange the gearbox ratios from the specified C cluster or exchange final drive ratios between the 1.8i and VVC classes (ie, the 1.8i must be C6BP and VVC must be C4BP ).
- 7.7.2 Any form of locked, limited slip or torque sensing differentials are prohibited.
- 7.7.3 Any form of traction control or launch control device which artificially limits the engine speed / power below the peak of the engine power curve is prohibited.
- 7.7.4 The following uprated rear drive train components as supplied by MG Sport and Racing may be fitted:
  - Rear Uprights - Part Nos; MGF713T and MGF714T
  - Drive Flanges - Part No; MGF730T
  - Drive Shafts - Part Nos; MGF703T and MGF704T

## **7.8 ELECTRICS:**

- 7.8.1 The use of any type of data acquisition or data logging system is not permitted. Any electrical or mechanical inputs, probes, sensors or transducers are to be removed or disconnected during an official timed qualification session or race. Under no circumstances may any probes, sensors or transducers relating to any type of data acquisition or data logging system be connected into the engine or chassis wiring looms
- 7.8.2 Conventional pit to car timing systems using a single pulse beam signal are permitted.
- 7.8.3 The standard MGF or MG TF headlamps must be retained and be fully operational

7.8.4 Plastic film or covers may be fitted to headlamps.

7.8.5 Lightweight gel type batteries are permitted.

## **7.9 WHEELS AND TYRES:**

7.9.1 Only the original equipment 15 inch wheels as supplied by MG Rover are permitted.

7.9.2 All cars must use 195 x 55 x 15 Yokohama 032R (S compound) or 048R (M compound) tyres.

7.9.3 The compound marking on the sidewall is to remain clearly visible at all times. Any tyre not clearly displaying the manufacturer's original compound marking will be deemed non-compliant.

7.9.4 The nominated tyre supplier is: Adams and Page  
Lincoln Road, Cressex Estate, High Wycombe, Bucks HP12 3RO  
Tel: 01494 445389 Fax: 01494 473302

## **7.10 NUMBERS AND CHAMPIONSHIP DECALS:**

7.10.1 All cars are to fit combined number backgrounds and Lancaster insurance name stickers to the side doors and bonnet.

7.10.2 Combined MGOC/BARC decals are to be positioned on each side of the car but the position is free.

7.10.3 Yokohama decals must be displayed on both sides of the car - position free

7.10.4 Decals are provided on request by the MG Owners Club to all registered competitors.

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 8. TECHNICAL REGULATIONS - CLASS Z

THE ELIGIBILITY SCRUTINEER RESERVES THE RIGHT TO SEAL AND SUBSEQUENTLY DISMANTLE ANY PART OF A COMPETING CAR. ANY REBUILDING COSTS WILL BE BORNE BY THE COMPETITOR OF THAT CAR.

### 8.1 INTRODUCTION:

- 8.1.1 The following Technical Regulations for MG ZR160 cars are set out in accordance with the MSA specified format and it should be clearly understood that if the following texts do not clearly state that you can do the works you should work on the principle that you cannot.
- 8.1.2 No modifications are permitted from the standard UK production specification other than those specified hereafter or listed in official Technical Bulletins.
- 8.1.3 For technical preference the following MG Rover documents apply:
  - System Description Manual – RCL0379
  - Service Procedure Manual – RCL 0534
  - PGI Gearbox Manual – RCL 0124
  - K Series Overhaul Manual – RCL 0057

### 8.2 GENERAL DESCRIPTION:

- 8.2.1 Body shells from ZR105 and ZR120 may be used but cars must conform totally to ZR160 specification.
- 8.2.2 MOT Certificates, road insurance and Road Fund Licences are not required.
- 8.2.3 Cars must run on unleaded fuel which complies with the MSA definition of pump fuel to BS EN 228.
- 8.2.4 The minimum weight measured as the car finishes qualifying or race with the driver on board is 1085Kg.
- 8.2.5 Any ballast must be securely fixed in the front passenger seat location area or footwell.

### 8.3 SAFETY REQUIREMENTS:

- 8.3.1 MSA Appendix C(c) Safety Requirements will apply.
- 8.3.2 The original MG Rover fuel tank must be fitted. It may be baffled or foam filled.

### 8.4 PERMITTED MODIFICATIONS:

- 8.4.1 Shock absorbers may be changed to adjustable rate / adjustable platform type.
- 8.4.2 Spring rates are free.
- 8.4.3 Ride height is free subject to MSA Regulation C(b)26(k).
- 8.4.4 Adjustable top suspension mounts are permitted.
- 8.4.5 Wheel camber is free.
- 8.4.6 Additional oil coolers may be fitted
- 8.4.7 Suspension and rear H frame bushes and engine mounting materials are free.
- 8.4.8 Non Standard air filter and induction kits are permitted.
- 8.4.9 Strut braces may be fitted across the front suspension mounts

- 8.4.10 The original MG Rover MEMS2 or MEMS3 ECU must be retained but the mapping within it may be modified by Superchips Ltd to give performance figures equivalent to MGOC Championship specification ref. MEMS2/MGOC. ECU's modified by any other supplier or to any other standard are not permitted
- 8.4.11 The inlet and exhaust cams must be the original MG Rover items. Aftermarket cams are not permitted.
- 8.4.12 Inlet and exhaust cam profiles must remain exactly as the original MG Rover design.
- 8.4.13 Inlet and exhaust ports and combustion chambers must remain completely unmodified.
- 8.4.14 Two 1.5mm holes are to be drilled in adjacent cam cover bolts for the purpose of fitting engine seals.
- 8.4.15 Flywheel material is free, minimum weight of flywheel with ring gear is 4kg.

## **8.5 INTERIOR:**

- 8.5.1 All original factory fitted interior trim, fittings and carpets must be retained unless detailed below.
- 8.5.2 The drivers seat may be changed and the standard seat fixings removed or modified.
- 8.5.3 The passenger seat, rear seat and floor carpets may be removed.
- 8.5.4 The use of non-standard door trim panels is permitted..
- 8.5.5 The steering wheel may be changed.
- 8.5.6 The rear quarter trim panels and roof lining may be removed.
- 8.5.7 Airbags may be removed or de-activated.

## **8.6 BRAKES:**

- 8.6.1 Brake pad and friction material is free.
- 8.6.2 Metal braided hoses are permitted.
- 8.6.3 Brake ducting is permitted providing no modifications are made to the bodywork
- 8.6.4 Brake backplates may be removed

## **8.7 EXHAUST:**

- 8.7.1 A catalytic converter must be fitted but the internal design is free subject to the exhaust emissions complying with the following Road Traffic Act / MOT requirements  
Max 0.3% CO at 450 to 1500 rpm idle speed  
Max 0.2% CO at 2500 to 3000 rpm idle speed.

## **8.8 ELECTRICS:**

- 8.8.1 The use of any type of data acquisition or data logging system is not permitted. Any electrical or mechanical inputs, probes, sensors or transducers are to be removed or disconnected during an official timed qualification session or race. Under no circumstances may any probes, sensors or transducers relating to any type of data acquisition or data logging system be connected into the engine or chassis wiring looms.

Conventional pit to car timing systems using a single pulse beam signal are permitted.

- 8.8.2 Lightweight gel type batteries are permitted.

## **8.9 WHEELS AND TYRES:**

- 8.9.1 Only the 16 inch wheels as supplied by MG Rover and fitted to MG ZR saloons are permitted.

- 8.9.2 Wheel spacers up to a maximum of 2.5mm thick are permitted.
- 8.9.3 All cars must use 205 / 50 x 16 Yokohama 032R (S compound) or 048R (M compound) tyres.
- 8.9.4 The compound marking on the sidewall is to remain clearly visible at all times. Any tyre not clearly displaying the manufacturers original compound marking will be deemed non-compliant.
- 8.9.5 The nominated tyre supplier is: Adams and Page  
Lincoln Road, Cressex Estate, High Wycombe, Bucks HP12 3RO  
Tel: 01494 445389 Fax: 01494 473302

## **8.10 NUMBERS AND CHAMPIONSHIP DECALS:**

- 8.10.1 All cars are to fit combined number backgrounds and Lancaster Insurance name stickers to the side doors and bonnet.
- 8.10.2 Combined MGOC/BARC decals are to be positioned on each side of the car but the position is free.
- 8.10.3 Yokohama decals must be displayed on both sides of the car - position free.
- 8.10.4 Decals are provided on request by the MG Owners Club to all registered competitors.

## **9. APPENDICES:**

The following Commercial Undertakings are not subject to the Judicial Procedures of either the Championship Stewards or the MSA / MSC

### **9.1 Commercial Undertakings**

In the event that a driver receives licence penalty points for a driving offence under the provisions of C(d)1(e), that driver will receive formal notification from MGOC as to their future conduct. The MGOC reserve the right to suspend that drivers' Club Membership for the next two Championship races. Further or subsequent similar infringements may result in the permanent removal of Club Membership.

### **9.2 Organising Clubs and Contacts:**

#### **BARC Co-ordinator**

Nicola Bush  
BARC  
Thrupton Circuit  
Andover  
Hants  
SP11 8PN

Tel: 01264 882200  
Fax: 01264 882233  
e-mail: nbush@barc.net

#### **Technical Advisor**

Ray Downes  
Mansfield Road Service Station  
Skegby  
Sutton-in-Ashfield  
Notts  
NG17 3AQ

Tel: 01623 555290  
Fax: 01623 440770

#### **MGOC Drivers Representatives**

Jim Baynam  
Rose Cottage  
12 High Street  
Croxton  
Cambridge  
PE19 6SX

Tel: 01480 880423  
Mobile: 07971 149505  
e-mail: jimbaynam@freenet.co.uk

Paul Naish  
Parsonage Farm  
High Street  
Shipton Bellinger  
Hampshire  
SP9 7UF

Tel: 01264 850574  
Mobile: 07768 533455

#### **MGOC Racing Administration**

Julie Neville  
MG Owners' Club  
Octagon House  
Swavesey  
Cambridge CB24 4QZ

Tel: 01954 231125  
Fax: 01954 232106  
e-mail: julien@mgownersclub.co.uk

#### **MSA Scrutineer**

Nigel Thorne  
Barford Stream Cottage  
Churt Road  
Churt  
Farnham, Surrey GU10 2QU

Tel: 01428 714581

# 2008 LANCASTER INSURANCE MGOC CHAMPIONSHIP

## 10. REGISTRATION FORM

Please complete this form in BLOCK CAPITALS

Full Name: \_\_\_\_\_

Full Postal Address: \_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Daytime Tel No: \_\_\_\_\_ Home Tel No: \_\_\_\_\_

Email Address: \_\_\_\_\_

Would you be prepared to have your email address passed onto other Race Drivers YES/NO

MSA Licence No: \_\_\_\_\_ Licence Grade: National A / National B / International  
(Please delete as appropriate)

BARC Membership Number: \_\_\_\_\_

MGOC Membership Number: \_\_\_\_\_

( NOTE: REGISTRATIONS WILL NOT BE ACCEPTED WITHOUT A VALID SUBSCRIPTION TO THE MGOC)

What Car do you intend to Race: \_\_\_\_\_

Please indicate which Class:    A         B         F         Z

Have you raced before:    YES /NO    (delete)

Name of Championship: \_\_\_\_\_

Number of Years: \_\_\_\_\_

If you raced with MGOC in 2007, what was your racing number? \_\_\_\_\_

I have read the current Championship Regulations and accept them in full and can confirm that my car complies with the relevant technical regulations. I am a member of the MG Owners' Club and the BARC and I enclose my Championship registration fee of £35.00

(Cheques are to be made payable to MGOC).

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

Please return to:    MGOC, Octagon House, Swavesey, Cambridge CB24 4QZ