

# The Lotus Seven Club

## 2019 Curborough Clubmans Sprint Meeting

### Supplementary Regulations

1. The Lotus Seven Club will organise a Clubmans sprint meeting at Curborough, near Lichfield, Staffs as set out below:

Sunday 12<sup>th</sup> May 2019 – Curborough – Standard two lap Format

2. The meeting will be governed by the General Regulations of the Motor Sports Association (incorporating the provisions of the International Sporting Code of the FIA) and these Supplementary Regulations.
3. Motorsport UK Permit No. 110696
4. Events are open to all members of the Lotus Seven Club.
5. All competitors must produce a valid Competition Licence and Club Membership Card or Championship Card
6. The event will be a qualifying round of the Lotus Seven Club Speed Championship 2019
7. The programme of the meeting will be confirmed in the Final Instructions but the basic format and timings will be:
  - i. Scrutineering starts at 8.00 am
  - ii. Any competitor not signed on by 10.30 am may be excluded
  - iii. Practice starts at 9.00 am
  - iv. First Timed Runs start at 2.00 pm or earlier if possible.

8. Particulars of the course are as follows - Curborough (double lapper) is 1557 yards long and consists of a smooth tarmac surface with left and right hand corners and a fast finishing straight.

9. Technical Requirements:

Cars in classes 1 to 6 must run in a fully road legal condition (i.e. with correct lighting and all other technical requirements, and MOT where applicable, with the exception of tyre selection in Class 6 and Vehicle Registration Plates may be removed or replaced with Vanity plates of similar or smaller size. )

Cars in classes 1 to 4 must be taxed & insured for road use.

Cars with a daytime only MOT will not be accepted in classes 1 to 6. Competitors are advised that they may be asked to provide documentary proof at an event.

Cars in any class may use engine modifications that improve engine reliability and longevity, e.g. forged pistons, uprated valve springs, gaskets and bearings, providing no performance gain is achieved.

Cars in classes 1 to 6 must have a usable passenger seat and working road legal seat belt installed.

In the interests of environmental protection all cars will be subject to a maximum noise limit of 108dB at 2/3 maximum revs at 0.5m at all rounds unless specified otherwise in the Supplementary Regulations for the specific round.

All cars must comply with the Sprints, Hill Climbs and Drag Racing (S) and Competitors: Safety (K) Regulations of the 2019 Motorsport UK Yearbook.

All cars upto 2000cc must be fitted with a Safety Rollover Structure which meets the Competitors: Safety (K) Regulation 1.6.1.(a) of the 2019 Motorsport UK Yearbook

Competitors are advised that the traditional standard roll-over bar as supplied by Caterham does not meet these requirements. Any car fitted with the standard roll-over bar that arrives at an event will NOT be allowed to compete.

Tyre warming before a run is **NOT** permitted in any area.

All cars MUST run with a windscreen, which can be of the 'aero' type or equivalent.

**Classes 1 to 4 are within the Road-Going Specialist Production Car Category. Classes 5-7 is within the Modified Specialist Production Car Category.**

The classes will be as follows:

**Class 1**

This is a class for standard cars and the reference maximum power limit is 125bhp.

Lotus or Caterham Sevens powered by:

1. Single cam engines up to 1600cc. Power for these engines is limited to 125bhp.
2. Rover K series 1400cc engines. For cars with the supersport engine - 5 speed gearbox only.
3. Rover K series 1600cc engines to standard non-supersport specification only and standard 5 speed gearbox only.
4. Ford Sigma engines – 125bhp only – with 5 speed gearbox. Ford Sigma engines are not permitted to be modified and must run with the Caterham supplied ECU and map.
5. Ford Sigma engines fitted with the fixed cam 125bhp Caterham Tracksport upgrade and running with a 5 speed gearbox.
6. For Ford OHV 'Kent' Crossflow 1600cc engines ONLY there is a maximum re-bore allowance of 60 thousandths of an inch.
7. The 3 cylinder turbocharged 660cc engine as fitted to the Caterham 160 and 165 models.

For Rover K series engines any form of remapping of the MEMS ECU is not permitted. The fitting of vernier pulleys and timing of the cams is allowed.

Tyres to be listed in the current Motorsport UK General Regulations Permitted Tyres (L) Lists 1A – radial tyres only. Maximum tyre width 205mm. Maximum wheel diameter of 14"

Cars powered by non-car derived engines or equipped with sequential gearboxes are not allowed in this class.

**Class 2**

This class is targeted towards standard cars with a reference maximum power limit of 150bhp (unless stated otherwise below).

Lotus or Caterham Sevens powered by:

1. Single cam engines of 1601cc and greater. Power for these engines is limited to 160bhp.
2. Lotus Twin Cam engines and Cosworth BD series engines. Power for these engines is limited to 160bhp.
3. Rover K series 1400cc supersport engines – with 6 speed gearbox.
4. Rover K series 1600cc engines - provided induction is via the standard production plenum.
5. Rover K series 1800cc 'VVC' engines – with 5 speed gearbox only.
6. Rover K series 1800cc engines provided induction is via a standard production plenum.
7. Ford Sigma engines with a power output of up to 150bhp.
8. Ford 1.8 litre Zetec engines equipped with carburettors and the engine producing up to 150bhp.

The following modifications are permitted to Rover K series 1600cc engines: camshafts , vernier camshaft pulleys, larger throttle body, the use of forged pistons or K16 cylinder head porting retaining the standard valves.

The following modifications are PROHIBITED to Rover K series 1600cc engines: The use of VVC or VHPD cylinder heads, reprogrammable ECUs e.g. Emerald (other than that specifically allowed below), VVC plenum chambers.

The following modifications are permitted to Rover K series 1800cc engines: camshafts, vernier camshaft pulleys, larger throttle body or the use of forged pistons.

The following modifications are PROHIBITED to Rover K series 1800cc engines: Any porting of the K16 cylinder head or the use of VVC (except on VVC cars eligible for this class) VHPD cylinder heads, reprogrammable ECUs e.g. Emerald (other than that specifically allowed below).

Provided that they are of standard, un-ported specification, Rover K series engines may have their MEMS ECU remapped by Z & F Tuning. Remapping is specifically not permitted for cars with ported 1600cc Rover K series engines

Tyres to be listed in the current Motorsport UK General Regulations Permitted Tyres (L) Lists 1A – radial tyres only. Maximum tyre width 205mm.

Cars powered by non-car derived engines or equipped with sequential gearboxes are not allowed in this class.

### **Class 3**

This class is targeted towards standard cars with a reference maximum power limit of 150bhp (unless stated otherwise below).

Lotus or Caterham Sevens powered by:

1. Single cam engines of 1601cc and greater. Power for these engines is limited to 160bhp.
2. Lotus Twin Cam engines and Cosworth BD series engines. Power for these engines is limited to 160bhp.
3. Rover K series 1400cc supersport engines – with 6 speed gearbox.
4. Rover K series 1600cc engines - provided induction is via the standard production plenum.
5. Rover K series 1800cc 'VVC' engines – with 5 speed gearbox only.
6. Rover K series 1800cc engines provided induction is via a standard production plenum.
7. Ford Sigma engines with a power output of up to 150bhp.
8. Ford 1.8 litre Zetec engines equipped with carburettors, and the engine producing up to 150bhp.

The following modifications are permitted to Rover K series 1600cc engines: camshafts, vernier camshaft pulleys, larger throttle body, the use of forged pistons or K16 cylinder head porting retaining the standard valves.

The following modifications are PROHIBITED to Rover K series 1600cc engines: The use of VVC or VHPD cylinder heads, reprogrammable ECUs e.g. Emerald (other than that specifically allowed below), VVC plenum chambers.

The following modifications are permitted to Rover K series 1800cc engines: camshafts, vernier camshaft pulleys, larger throttle body or the use of forged pistons.

The following modifications are PROHIBITED to Rover K series 1800cc engines: Any porting of the K16 cylinder head or the use of VVC (except on VVC cars eligible for this class) VHPD cylinder heads, reprogrammable ECUs e.g. Emerald (other than that specifically allowed below).

Provided that they are of standard, un-ported specification, Rover K series engines may have their MEMS ECU remapped by Z & F Tuning. Remapping is specifically not permitted for cars with ported 1600cc Rover K series engines

Tyres to be any road legal E-marked radial tyre listed in the current Motorsport UK General Regulations Permitted Tyres (L) Lists 1A and 1B – radial tyres only.

Cars powered by non-car derived engines or equipped with sequential gearboxes are not allowed in this class.

### **Class 4**

Any Lotus or Caterham Seven not meeting the engine requirements of classes 1, 2 or 3 including those with forced induction

All cars must be fitted with an operational reverse gear.

Tyres to be any road legal E-marked radial tyre or listed in the current Motorsport UK General Regulations Permitted Tyres (L) Lists 1A and 1B – radial tyres only.

Driver Aids - All driver aids are permitted in this class.

### **Class 5**

Any Lotus or Caterham Seven which has a power output of up to 210bhp.

Cars powered by non-car derived engines up to 1049cc are allowed in this class – specifically the Honda Fireblade. All other engine types and specifications will be subject to authorisation by the eligibility scrutineer.

Sequential gearboxes are only permitted with non-car derived engines.

All cars must be fitted with an operational reverse gear and must meet the Motorsport UK Specific (S) and Competitors: Safety (K) Regulations for Modified Specialist Production cars.

Tyres to be any road legal E-marked radial tyre or listed in the current Motorsport UK General Regulations Permitted Tyres (L) List 1C .

Driver Aids - All driver aids are permitted in this class.

### **Class 6**

Any Lotus or Caterham Seven not meeting the engine requirements of Class 5 including those with forced induction.

All cars must meet the Motorsport UK Specific (S) and Competitors: Safety (K) Regulations for Modified Specialist Production cars

Tyres to be any tyre listed in the current Motorsport UK General Regulations Permitted Tyres (L) List 1C

Driver Aids - All driver aids are permitted in this class.

### **Class 7**

Any Lotus or Caterham Seven not meeting the requirements of any other class.

## 10. Number of Runs:

Competitors will be given the opportunity to walk the course prior to practice followed by two practice and at least two timed class runs. All runs will be in strict programme order.

If due to unforeseen circumstances it appears to the organisers that the published programme cannot be adhered to then a revised programme will be announced.

If more than two timed runs are possible then an announcement will be made before the end of the second timed run.

## 11. Awards

Awards will be made in order of the fastest time for each competitor within each class, There will be awards for First, second and third places in each class dependent upon the number of entries in the class. Five competitors in a class will trigger a second place award, with eight competitors triggering a third place award.

In addition there will be awards for the Fastest Lady, Fastest Novice and Fastest Time of the Day

A novice for the purpose of the Novice Trophy is a person holding a Motorsport UK Non-Race National B Competition Licence for the first time in 2019 and taking part in their first competitive season of Motor Speed events. Excepting that they may have held an Motorsport UK Non-Race National B Competition licence and competed **ONLY** in the Lotus 7 Clubs own Club sprints during the previous year (to encourage new competitors). The Fastest Lady and Fastest Novice awards will be awarded based on a scoring system as follows:

The Championship Contender finishing first in each class will be awarded 100 points and their time shall be the class reference time. Each competitor shall be awarded points based on the reference time as a percentage of their time – to two decimal places, rounded down.

An example is shown below:

Reference	63.18 secs	100.00 points
Competitor 2	70.20 secs	90.00 points
Competitor 3	72.56 secs	87.07 points

The Fastest Lady and Fastest Novice awards will be given to the eligible person with the highest number of points across all classes.

The events will qualify for the Edward Lewis Cup for those competing in the 2019 Lotus Seven Club Speed Championship.

12. The maximum entry is 80 at Curborough. The minimum entry is 35. Should the minimum entry not be reached the organisers reserve the right to cancel the meeting. Entry fees will be refunded.

13. The entry list opens upon publication of the Entry Form for each event. Entries will be accepted in order of receipt. The closing date for each event is seven days before the event.

The Standard entry fee is £100 for each competitor, this is discounted to £25 for any novice competitor registered in the Dare to Be Different Campaign, validation of which must be submitted prior to the event. Payment should be made via the online entry form by debit or credit card.

Entries cancelled within seven days of the event and non starters will not be refunded. Cancellations must be made in writing.

14. The Secretary of the Meeting will be as prescribed on each event Entry Form.

15. Other officials will be notified to competitors in the Final Instructions. Any other changes will be notified on the meeting notice board.

16. Provisional results will be published as soon as possible following the end of each event. Any protest must be lodged in accordance with 2019 Motorsport UK Technical Regulations Judicial (C).

17. Starting order will be as shown in the programme. Cars will start singly. The starting signal will be a green light which indicates that the driver may start IN HIS OWN TIME. Method of timing will be electronic, activated by the vehicle breaking a light beam. A timing strut in accordance with Sprints, Hill Climbs and Drag Racing (S 10.9) 2019 Motorsport UK Technical Regulations is required. A timing strut template can be provided upon request.

18. Competitors will be identified by competition numbers in accordance with 2019 Motorsport UK Technical Regulations Sprints, Hill Climbs and Drag Racing (S 9.2.5) , which will not be provided by the organisers.

19. Marking and penalties will be as printed in the appropriate section of the 2019 Motorsport UK Technical Regulations, Sprints, Hill Climbs and Drag Racing (S) except as modified below:
- a. (S 9.5.4) If all four wheels leave the tarmac surface, no time will be recorded
  - b. (S 9.6) The timekeeper in charge at the start line shall be the Judge of Fact in respect of false starts. The Chief Section Marshal at each post will be the Judge of Fact in respect of a car leaving the course or taking the wrong course.
  - c. Any competitor dislodging the first cone to the left of the entry to flagpole hairpin will incur a 1 second penalty.
20. All other General Regulations of the Motorsport UK apply as written.
21. The use of any external device or power source to pre-heat the tyres of a competing car, whether the tyres are fitted to the car or not, is prohibited.
22. No competing car may leave the venue during an event without the permission of the Clerk of the Course. Roadgoing cars must remove or cover competition numbers before going on the public highway.
23. Animals will not be admitted to the Paddock or spectator areas.