



**AutoSolo and All Forwards Production Car
Autotest Sunday 7th April 2024
Aston Down**



EMCOS Spring Auto Solo

AutoSolo and All Forwards Production Car Autotest

EMCOS will organise a Clubman AutoSolo and All Forwards Production Car Autotest (PCA) on Sunday 7th April 2024, at Aston Down Business Park, Near Stroud Gloucestershire GL6 8GA.

Venue access from Cirencester Road between Frampton Mansell and Minchinhampton.

What3Words ///octagon.snowmen.compound

Enter via main entrance security gate and follow orange arrows to the service area.

DO NOT deviate from the route that will be provided in the Final Instructions.

- **Jurisdiction**

The meeting will be held under the General Regulations of Motorsports UK (incorporating the provisions of the International Sporting Code of the FIA), these Supplementary Regulations and any written or verbal instructions issued by EMCOS.

- **Authorisation**

AutoSolo – Motorsport UK permit 135748 has been issued

All forwards Production Car Autotest - Motorsport UK permit 135749 has been issued

- **Officials**

Clerk of the Course: Jennie Stickland Tel: 07866737114 email: jenniestickland@gmail.com

Entries Secretary: Connie Leyfield, Tel: 01285 670749 email: entries@emcos.co.uk

Secretary of Meeting: Julie Richings Tel: 07460 316221 email: emcosrally@gmail.com

Please do not telephone officials after 20:30.

- **Eligibility**

The event is open to:

- Fully elected members of EMCOS the organising club

- Members of clubs affiliated to the Cotswold Motor Sport Group

If you wish to enter but are not a member of an invited club, membership to EMCOS can be purchased for £10 for membership expiring 31st December 2024.

- **Championships**

This event is part of the following AutoSolo Championships and will be run in accordance with D4.5 from Motorsport UK Year Book 2024. All Clubman competitors must hold as a minimum a **Motorsport UK RS Clubman Licence**. This can be obtained at no cost by following the link

<https://rsclubman.motorsportuk.org>

- CMSG AUTOSOLO CHAMPIONSHIP - BP Motor Bodybuilders - Haydn Marks - haydnmarks@hotmail.com
- BTRDA AUTOSOLO CHAMPIONSHIP <https://btrda.com/about-autosolo/>
- ASWMC AUTOSOLO CHAMPIONSHIP <https://www.aswmc.org.uk/aswmc-championships/autosolo/>
- ACSMC AUTOSOLO CHAMPIONSHIP <https://acsmcsite.wordpress.com/autosolo-championship/>
- MX5 Challenge <https://bristolmc.org.uk/mx5challenge/>

- **Entries**

On line entries will open on publication of these SRs using the following link:

<https://autotest.sapphire-solutions.co.uk/competitions.php?sitename=emcos>

and will close at 18:00 on Thursday 4th April 2024.

The entry fee is **£50.00 for either event.**

Payment must be made with a bank transfer to our EMCOS club account.

Entries will only be accepted once payment is confirmed.

EMCOS RALLY Sort Code: 40 43 21 Account Number: 21671405

EMCOS Single Membership is available and valid until the end of December 2024 at £10.00 per competitor.

[membership-form](#)

The maximum number of starters for the event will be 45. The minimum is 20.

Entries will be selected on a **first come, first served basis**. Cancellations must be made to the Entries Secretary by E-mail and must be received before the entry list closes at 18:00 on Thursday 4th April 2024. Cancellation before March 22nd the entry fee will be refunded in full. For cancellations made on 22nd March through to closing date will incur a small admin fee, refunds after the closing date will be at the discretion of the organisers.

If the event is cancelled for any reason entry fees will be refunded less any unavoidable expenses.

Final Instructions will be emailed to all given email addresses as soon as possible after entries close. Competitors will be asked to print their own maps and vehicles numbers

- **Classes**

Class **A**. Series Production Cars – Saloons up to 1400cc

Class **B**. Series Production Cars – Saloons 1401cc to 2000cc

Class **C**. Series Production Cars – Saloons over 2000cc

Class **D**. Series Production Sports Cars – including MX5, Lotus Elise, Vauxhall VX220.

Class **E**. Specialist Production Cars including Kit cars [Caterham, Westfield, etc.] and all other vehicles not eligible in classes A, B, C & D.

Class **F**: PCA – Cars can be trailered to the event.

Class **G** MX5 Challenge. Only for competitors participating in the Bristol MX5 Challenge

AutoSolo – Cars must be road legal, have an MOT where applicable and must be driven to the event

PCA – Cars can be trailered to the event but must be considered safe by the event scrutineer.

A MOT is not required but the vehicle, in the opinion of the scrutineer, must be in safe condition to participate in the event. A passenger must be carried on all timed tests.

Yearbook regulation M.4.2 applies for class eligibility

Junior Award

Eligibility for the Junior Award is based on the age of the driver and only open to 14, 15, 16 or 17 year olds who do not have a full DVLA driving license.

Competitors opting for class G are not eligible for any other class awards. In order to participate in the Bristol MX Challenge, they must enter in this class.

For all classes ‘drift cars’ are not permitted

There is a 100dB noise limit at 0.5m from exhaust at 4500rpm for all competing vehicles

- **Vehicles**

- 8.1 Both petrol and diesel propelled cars are eligible for this event. We cannot accept any electric or hybrid vehicles due to the special safety and training requirements needed in the event of an accident.
- 8.2 All cars in the Auto Solo classes must retain the original panel and window materials although additional panels such as wheel arch extensions are permitted. Auto Solo Cars must have full trim and seats, although trim may be changed. For the Auto Solo Class, the engine must be of original manufacture and original basic type and must be fitted in the original position, the engine may be modified and may be of a different capacity to the original. This regulation does not apply to PCA competitors.
- 8.3 Cabriolet / Sports cars can compete without a hood or a fitted hard top.
- 8.4 Cars that are transported to the event are acceptable for PCA entrants only.
- 8.5 The driver and passenger must wear a properly fastened and approved seat belt at all times during the tests, except where competing in a Period Defined vehicle [Non-Rally] categories A-F.
[M21.4 Page 225].
- 8.6 A car may not be entered to compete for the same award more than twice, unless otherwise specified in the SR's, and in all circumstances, it must be driven by different drivers. [M.11.3 Page 224].

- **Passengers**

- 10.1 **Passengers must be carried in the PCA and they must be in possession of a Motorsport UK RS Clubman Licence and a qualifying club card.** In an open topped car, age and height qualifications apply. (M16.4 & M21.6)
- 10.2 **Passengers must be carried in the PCA on all timed tests** occupying the front seat alongside the driver. No other passengers are allowed.
- 10.3 Passengers taking part in the PCA event must comply with M16-16.5 page 224 with specific notice of Cabriolet / Sports cars with or without a hood or a fitted hard top.
- 10.4 The passenger in a Touring Car, or a Cabriolet/Sports Car **with** the hood erected or a hardtop fitted, must be aged 12 years or over and be at least 135cm in height. [M.16.4 Page 224].
- 10.5 The passenger in a Cabriolet/Sports Car **without** the hood erected or hardtop fitted must be aged 16 years or over and be at least 135cm in height [M.16.5 Page 224].
- 10.6 The PCA passenger can be a passenger only or a fellow driver. All passengers must be signed on for the event but it will be possible to change passengers between tests. If a driver does not bring a passenger with them it would be appropriate to ask a fellow competitor from the same group.

- **Programme of the Meeting**

The venue will be open from 7.30am
Signing on will be in person on the venue, opens at 8.00am and must be completed by 8.45am
Scrutineering will start at 8.00am and close at 8:45am
Driver's briefing will be at 8.45am in the service area
First test will start at 09:00, with an estimated finish about 16:30/17:00
There will NOT be a specific break for lunch.

Depending on the number of entrants, competitors will be split into 2 or 3 groups. At any one time one group will be competing, the second group will be preparing to drive. If we have 3 groups, members of the 'resting' group may be asked to help with marshalling. Groups will be identified by a letter alongside their start number on the entry list.

Please note there will not be a catering vendor on the venue, please bring sufficient food and drink provisions for the day

- **Signing On**

All Clubman competitors (drivers and passengers) must hold as a minimum a **Motorsport UK RS Clubman Licence**. This can be obtained at no cost by following the link <https://rsclubman.motorsportuk.org>

Membership to EMCOS will be available.

The minimum age for drivers in the Production Car Autotest is 14. [M 22 a,b,c Page 225].

All signing on will be in person on the day. Competitors are asked to print their own copies of Test Diagrams, Vehicle Identification Numbers, Test / Marshalling running order and if required an entry list.

No paperwork will be available on the day.

Vehicle numbers must be displayed throughout the competition on both sides of the vehicle (in a rear window if available).

- **Requirements for Drivers without a RTA Licence**

The PCA is open to drivers 14 yrs old and over who do not hold a valid, full RTA licence subject to Motorsport UK year book [M16 – M16.5, M17 a,b,c; M22 a,b,c pages 224/225].

The vehicle must be by definition be a 'touring car'.

Engine capacity must not exceed 2000cc including forced induction.

A passenger must be carried who holds a valid, full RTA licence, and be experienced in Autotests or AutoSolos.

- **Marshals**

We hope to have all marshals supplied by the club. All officials will be Judges of Fact to adjudicate on false starts, hitting cones and not following the correct course. In the unlikely event that the club can not provide enough marshals we will split the competitors into 3 groups and provide an updated rota which states when competitors will be asked to assist with marshaling.

- **Scrutineering**

All vehicles must comply with MSUK Technical Regulations.

For PCA vehicles a MOT is not required but the vehicle, in the opinion of the scrutineers, must be in safe condition to participate in the event.

- **Tyres.**

The Tyres in list 1A are regarded by the Manufactures as STANDARD ROAD TYRES. (page 214 onwards MSUK Year Book) Tyres from the MSUK **Lists 1B and 1C** will **NOT** be eligible for AutoSolo events. Tyres marked 'for competition use only', manufactured without a full tread pattern, or in an un-roadworthy condition will not be acceptable.

A list of 1B & 1C tyres will be held by the event scrutineer.

- **Tests**

The event consists of all forwards tests, on sealed surfaces with competitors being provided electronically with a diagram for each test. The event will consist of a maximum of 4-test layouts applied to one test area. Time will be allowed to walk the course before the start of each test. Competitors will have three timed runs on each test with the best two runs to count (If time dictates test 3 will be repeated rather than re-setting the course for test 4).

The STOP signal may be displayed because of an obstruction on the course, whether this is object or personnel. A competitor must stop immediately on the deployment of the STOP signal and when told, drive slowly back to the start.

If a test is stopped on the grounds of safety any competitor deemed to be negatively impacted will be allowed another run. Competitors causing an obstruction and forcing a rerun for others will not be allowed a rerun The START method and STOP signal [Red Flag] will be described in the drivers briefing.

The route to be followed on each course will be designated using cones supplemented by coloured cones laid on their side to show which side to pass each marker. Numbered boards will show the order in which each marker is to be passed. Course layouts will be available electronically before the day of the event. The separate start, finish and stop lines will be indicated on the course diagrams.

Timing will start when the front wheels cross the start line and stop when the front wheels cross the flying finish line. Competitors **must** then reduce speed and **stop** at the STOP line to obtain the time and return to the paddock at walking speed. Competitors failing to stop at the STOP line must park and walk back to the control to obtain their time.

- **Timing and Timecards**

On each test the timing marshal will verbally indicate to the driver that they are able to commence. The driver will then start in their own time.

Timing will be by hand-held phones/stop watches at the Start and Finish. Timing will be in Seconds to the previous tenth of a second (1/10th).

Results will be determined discarding the worse time recorded on each test.

Where there is a tie, the result will be determined by the aggregate of the first runs over each test, then the aggregate of the second runs over each test etc until the tie is resolved.

To be classed as a finisher, a competitor must start at least two runs at each tests bar one i.e. if there are four tests, a finisher must attempt at least two runs of each of the first three.

Time cards will not be used on this event. The timing marshal will transmit each competitor's time electronically direct to the results system (Sapphire). No paperwork will pass between the marshal and the driver.

- **Penalties**

The following penalties will be applied.

Maximum time is the quickest time in class for that test plus **30** seconds.

- | | | |
|--------------|--|--------------------------------------|
| 1] | Failure to signing on. | Exclusion |
| 2] | Taking an incorrect route on any test (Wrong Test)
[however, returning to the point of departure from the correct route and then completing the correct route, so long as the correction does not impede the next car, will not Incur a penalty] | Fastest time + 30 seconds (WT) |
| 3] | Striking a cone or pylon (Cone Penalty) | +5 |
| second | | |
| 4] | Failing to stop in box after crossing finish line (Line Penalty) | +10 seconds |
| 5] | Missing a run or test | Fastest class time + 30 seconds (WT) |
| 6] | Reversing back after failing to stop at the stop control | |
| Exclusion 7] | | Not |

wearing seatbelts [if fitted] during a test

Exclusion

- **Results and Awards**

Provisional results will be published on the timing App as soon as possible following the end of the event, and declared final after 30 minutes as in D27.1.1 Protests and Queries must be lodged in accordance with C 5.1 to 5.7

There will be an Awards Ceremony, we will be giving awards as follows:-

- Overall Driver FTD from both events
- First Driver from each class (provided there are 3 competitors or more)
- Best Junior Driver (aged 17 or under at date of the event, without full DVLA License)
- No competitor may win more than one award in any event.

- **Toilets, Food and Fuel**

- Toilets will be provided.
- No fuel will be available to purchase on the venue
- Please note there will not be a catering vendor on the venue, please bring sufficient food and drink provisions for the day

ALL REFERENCES TO REGULATIONS REFER TO THE MOTORSPORT UK 2024 YEARBOOK

A copy of the year book will be available with the event Secretary.

About All Forward PCAs

An All Forwards PCA consists of a number of timed tests, on hard surfaces.

The courses don't require special manoeuvres like spin or J turns and their design and marking are intended to make the routes easy to follow.

Compared to a normal autotest speeds tend to be a little higher and the tests will be longer. Cars will start at timed intervals and there will be two or more cars on the course at the same time. Competitors also act as course marshals on a rotating basis.

Some tips for first timers,

- Increasing tyre pressures by 5-10 psi will help with turn in and reduce wear.
- Always wear a seat belt. You will go faster.
- Learn the course. Don't go flat out and make a mistake on the first run.
- If you make a mistake drive the rest of the course properly. You are still learning
- Talk to regular competitors for advice.
- ENJOY YOUR DAY