

2021- REVINGTON TR / TR REGISTER SPRINT AND HILLCLIMB CHAMPIONSHIP REGULATIONS Version 2 January 2021

1. SPORTING REGULATIONS – GENERAL

1.1. Title & Jurisdiction: The Revington TR / TR Register Sprint & Hillclimb Championship is organised and administered by the TR Register in accordance with the General Regulations of the Royal Automobile Club Motor Sports Association [Motorsport UK] (incorporating the provisions of the International Sporting Code of the FIA) and these Championship Regulations.

Motorsport UK Championship Permit No. CH2021/S067 Status: Interclub

Motorsport UK Championship Grade: C

1.2. Officials:

1.2.1. **Co-ordinator:** Fiona Jeram-Croft, Bluebell Cottage, 16 Hurst, Martock, Somerset, TA12 6JU. Tel: 01935 824108, 07972186355, larryjc@hotmail.co.uk

1.2.2. **Eligibility Scrutineer:** Tony Freeman, Coniston, Watery Lane, Weymouth, DT3 5QD.
Tel: 07929 051291.
E-mail: tony.freemanv8@gmail.com

1.2.3. **Championship Stewards:** Contact via the Championship Co-ordinator
Phil Tucker
Eric Mobley
Mike Tidball

1.3. Competitor Eligibility:

1.3.1. Entrants must be fully paid up valid membership card holding members of the TR Register and in possession of a current Motorsport UK Entrants Licence.

1.3.2. Drivers and Entrant/Drivers must be fully paid up valid membership card holding members of the TR Register, be Registered for the Championship and be in possession of a current RSInterClub Status Licence, as a minimum.

A competitor shall not take time off school to participate in motor sport without the prior

written approval of their school. If participation in the Championship requires absence from school, Drivers in full time school education are required to have the approval of their head teacher and a letter stating such approval from his/her school in order to fulfil registration for the Championship.

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

1.4. Registration:

1.4.1. Registration is affected by completing the Registration and Technical Declaration forms and returning them to the Championship Co-ordinator, preferably by e-mail.

1.4.2. The registration fee is £25.

Payment by direct bank transfer is the preferred method of payment, details as follows:-

Bank: Barclays

Sort Code: 20-99-40

Account Name: Lawrence Jeram-Croft

Account Number: 60633062

Reference: your surname

Alternatively a cheque made payable to TR Hillclimb should be sent along with the documents specified in 1.4.1.

1.4.3. There is no closing date for registration.

1.5. Championship Rounds : See website for details

DATE	VENUE	ORGANISING CLUB
17th April	GOODWOOD	Bognor Regis MC
18th April	CURBOROUGH	Midland AC
18th April	GURSTON DOWN	BARC (SW)
2nd May	WERRINGTON	Plymouth MC
8th May	MIRA NUNEATON	Bentlet DC
9th May	DEBDEN	Herts County Auto & Aero Club
6th June	COVENTRY MOTOFEEST	BARC Midlands
12th June	ABINGDON	Sutton and Cheam MC
13th June	3 SISTERS	Longton & DMC
19th June	EPYNT	Brecon MC
26th June	AINTREE	Liverpool MC
3rd July	SHELSLEY WALSH	Midland AC
10th July	BLYTON PARK	WSCC
11th July	LOTON PARK	HDLCC
17th July	CASTLE COMBE (SHORT)	Bristol MC
7th August	GOODWOOD	Brighton & Hove MC
14th August	SHELSLEY WALSH	Midland AC
15th August	CURBOROUGH	HDLCC for RSSOC
28/29th August	GURSTON DOWN	BARC (SW)
30th August	OLIVERS MOUNT	Longton & DMC
4th Sept	WISCOMBE	Five Clubs
11th September	WISCOMBE	MG CC
19th Sept	HAREWOOD	BARC Yorkshire
2nd October	PRESCOTT	Bugatti OC
16th October	CASTLE COMBE (LONG)	Bristol Pegasus MC

1.6. Scoring:

The Class bogeys are constructed by assessing the historic records for cars that fit into the class definitions and generating target times for each event. Classes are balanced against each other to reflect the difference in power to weight and degree of modification.

In the case of a new or modified course, bogey times shall be initially extrapolated from the times recorded at a similar venue. When sufficient data for a new or modified course exists all of the course bogey times may be adjusted to reflect this data.

Where a competitor betters a class bogey time it will be updated for future events in the current and future seasons. The initial ratios between classes will be maintained and if exceptional anomalies arise bogey times may be modified.

Each competitor's best timed run at an event will be ratioed against the class bogey and normalised to 10 points to generate their provisional points. The competitor with the highest provisional points will be awarded ten points, and their provisional points will be used as a reference against which all other provisional points are then ratioed to generate the corrected points. The purpose of the corrected points is to compensate for wet events or cases of a new or modified track so that the scoring is consistent for all events. In addition to the corrected points a "competitive" bonus of 0.01 points per signed on competitor will be added as detailed below.

1.6.1. Provisional points at a Championship Round shall be scored on the basis of the following formula:

$$[1.00 - (\text{time achieved} - \text{bogey time}) / \text{bogey time}] \times 10.00$$

The competitor with the highest Provisional points shall then be awarded 10.00 corrected points.

Other competitors' corrected points will be derived from the above as follows:

$$(\text{Individual Competitor's own Provisional points} / \text{Best Provisional points}) \times 10.00$$

Any competitor who betters the event bogey time by more than 2.5 % will have their result adjusted to limit the improvement to 2.5%. These adjusted times will then be used for the calculations.

In addition to the calculations specified above every competitor at an event will be awarded additional points related to the number of Championship competitors signing on for the event based on 0.01 points per competitor up to a maximum of 0.05. This total will be used as the Championship score.

1.6.2. The best six scores with at least one being a Hillclimb and one being a Sprint shall constitute the competitor's Championship result and the competitor with the best overall score for six events shall be the Championship winner for the year. In the event of a tie, the seventh best result achieved will be used to resolve the tie and so on.

1.6.3. Championship Points Appeal – Section C6.5. current Motorsport UK Yearbook, applies.

1.7. Awards:

1.7.1. There are no awards for individual Championship events.

Trophies shall be awarded to competitors who have signed on for at least six events as follows:

First, Second and Third placed competitors overall at the end of the season.

First in class subject to a minimum of three registered competitors in the class having signed on for at least one round.

Second in class subject to a minimum of five registered competitors in the class having signed on for at least one round. Overall trophy winners from the class shall not be included in the five.

Third in class subject to a minimum of seven registered competitors in the class having signed on for at least one round. Overall trophy winners from the class shall not be included in the seven.

The best overall placed Lady at the end of the season.

The best overall placed competitor under 30 years of age on the 1st January 2017 at the end of the season.

No competitor may win more than one award.

Other discretionary awards may be presented from time to time.

1.7.2. There will be no cash awards. Trophies for the Championship shall be awarded for, and at the end of, the current season. The Championship Trophy shall be held for one year and shall be returned to the Championship Coordinator on or before the Drivers' Meeting and Prize-giving. The recipient is required to have the trophy suitably engraved. All other awards shall be perpetual.

1.7.3. There will be no bonuses awarded in cash or in kind.

2. SPORTING REGULATIONS - JUDICIAL PROCEDURES

2.1. Rounds: In accordance with Section C of the current Motorsport UK Yearbook.

2.2. Championship: In accordance with Section C of the current Motorsport UK Yearbook.

3. TECHNICAL REGULATIONS

3.1. Eligible Vehicles:

Any four wheeled production vehicle manufactured by Triumph and their derivatives shall be eligible to compete. Competitors must display the sponsor's Championship stickers on each side of the car for the duration of each event.

3.2. Classes:

Class 1 Road Cars (S12) ROADSPORT

- 1A. Less than 90 BHP / Tonne
- 1B. 90 – 110 BHP / Tonne
- 1C. 111 – 130 BHP / Tonne
- 1D. Greater than 130 BHP / Tonne

Class 2 Modified Road Legal Cars (S13)

- 2A. Less than 130 BHP / Tonne
- 2B. 130 – 180 BHP / Tonne
- 2C. 181 - 230 BHP / Tonne
- 2D. Greater than 230 BHP / Tonne

Class 3 Modified Cars (S13) MODIFIED

- 3A. Less than 200 BHP / Tonne
- 3B. 201 – 280 BHP / Tonne
- 3C. 280 - 400 BHP / Tonne
- 3D. Greater than 400 BHP / Tonne

Where the power is at the Flywheel, which can be calculated from the power at the wheels plus 15% plus 10HP, and the weight is the weight of the car in its normal competition state excluding the driver. It will not be mandatory to produce documentation certifying power or weight, however submissions that appear incorrect will be investigated.

3.3. Safety Requirements:

In accordance with Section K of the current Motorsport UK Yearbook

3.4. Detailed Technical Regulations:

3.4.1. Cars will be separated in to classes in accordance with the Revington TR / TR Register Sprint & Hillclimb Championship Regulations for the year in question. In addition all cars will conform to the common regulations contained in the current Motorsport UK Yearbook , Section J and Section S. Competitors are responsible for ensuring compliance of their own vehicle in accordance with the class entered and technicalities declared.

3.4.2. Regulation Alterations. Changes to the Technical Regulations may be proposed at least six weeks before the Drivers' Meeting by any registered driver in writing to the Championship Coordinator. Proposals and any comments received thereon will be circulated 6 weeks before a Drivers Meeting to all registered drivers. The proposals will be voted on at the Drivers' Meeting. Drivers unable to attend the meeting may indicate their vote to the Championship Coordinator in writing who will present their vote at the Drivers' Meeting. Agreed proposals will be in force for the calendar year immediately following the Drivers' Meeting unless specifically agreed otherwise.

3.4.3. Class 1 ROADSPORT.

This class is intended for genuine road cars, but where relatively mild performance modifications are permitted.

Cars must be driven to and from the venue, and compete with the wheels and tyres as fitted. Any technical variation of the Car Model is allowed.

S10 and S12 apply, amended as follows:-

S.10.2.9 Must comply with K.2.1.1 as a minimum.

S.10.6.3 Petrol tanks as original but of any material.

S.10.3 and S.12.4.3 Full windscreens must be fitted, except for TR2 and TR3 where aeroscreens are permitted.

S.10.7 Electric cooling fans are allowed. Electric cooling pumps are not allowed. Position of battery as original.

S.10.8 Brakes as per original model. Four pot brake callipers and vented discs are not allowed. Friction material is free.

S.12.3 Chassis as original, except localised reinforcement to suspension and differential mountings permitted, on safety grounds. No other reinforcement / stiffening or lightening permitted. A Suspension Strut Brace is not allowed.

S.12.4.1 Wheel arch extensions are not allowed. Bumpers may not be removed.

S.12.4.2 Original materials for exterior panels to be used.

S.12.5.1 Cylinder block and head must be externally identifiable as to the type that was fitted to the original model. Rotating and reciprocating components may be balanced, but lightening is not allowed other than for balancing purposes. All components to be of standard material and size. Induction must have the same number of carburettors / injectors with the same choke sizes as originally fitted, but jets and needles may be changed. Distributors may be fitted with electronic devices in place of the points, mapped electronic ignition systems are not allowed. TR7 V8 are excluded from Class 1.

S12.6 Wheels must be the same diameter as original. The maximum wheel width is 4 1/2 J or as originally fitted if greater. Tyres must be from List 1A of any year Motorsport UK Yearbook, with a minimum aspect ratio of 60%.

S.12.7.1 Anti-roll (sway) bars must be as originally fitted. Additional bars and / or increased diameters are not allowed. Spherical or similar metal joints are not allowed unless originally fitted.

S.12.8 The gearbox, overdrive and differential must be as originally fitted. LSD, locked or Torque Biasing Differentials are not allowed. The final drive ratio must be as originally fitted. Overdrive logic control systems that disengage the overdrive when changing gear are not allowed.

3.4.4. Class 2 MODIFIED ROAD LEGAL CARS

This class is intended for road cars to which substantial performance modifications have been made.

Cars must be fully road legal but may be trailered to events.

Wheel size is free. Tyres must be from List 1A or List 1B of any year Motorsport UK Yearbook, with a minimum aspect ratio of 50%.

Any technical variation of the Car Model is allowed.

S10, and S13 apply, amended as follows:-

S.10.2.9 Must comply with K.2.1.1 as a minimum.

S.10.3 and S.13.5.5 Only original windows are permitted, Aeroscreens may be fitted.

S.10.7 Electric cooling fans and pumps are allowed.

S.13.9 Electrical generators must be fully functioning

S 13.4.4 Chassis as original, except localised reinforcement to suspension and differential mountings permitted, on safety grounds. A suspension strut brace is allowed. No other reinforcement / stiffening or lightening permitted.

S.13.4.1 Suspension and engine mounting positions to remain as standard, Anti-roll (sway) bars are free front and rear.

S13.4.5 bulkheads and inner wings to remain as standard.

S.13.5.1, 13.5.10 Silhouette of the vehicle as seen in side elevation must remain unaltered

from original except that a small front “ bib type “ spoiler is allowed .

S.13.5.2 Wheel arch extensions are not allowed. Bumpers may be removed.

S.13.5.11 , S.13.5.12 Interior trim must remain fitted (except floor carpets/mats).

All working equipment fitted as standard (heater, window mechanisms, sunroof, door handles) must remain operable at all times.

S.13.6.1 Cylinder block and head must be externally identifiable as to the type that was fitted

to the original model of engine and may be of any material. Balancing and lightening of rotating and reciprocating components is free, but standard stroke to be retained. For TR7V8 the engine must be of Rover manufacture. Turbo or Superchargers are not allowed. The distributor may be replaced by any form of mapped ignition system.

S.13.6.3 Induction Systems are free except that Electronic fuel injection systems are not allowed unless originally fitted.

S.13.7.2 Gearbox conversions are allowed provided that the bell housing and gearbox casing remain in their approximate original positions and are of the same type of operation as original .

The overdrive and differential must be as originally fitted. Overdrive control system is free. LSD, locked or Torque Biasing differentials are allowed. The final drive ratio is free.

S 13.8.4 Rear Axle location and link mechanisms to remain as original , lever arm shock absorbers may be replaced with telescopic .

S13.8.5 Suspension pick up points must remain as original , bushes may be changed for different material however metal / spherical bearings are not permitted.

S13.8.6 Springs are free but must be of the original type .

3.4.4. Class 3 MODIFIED

This Class is intended for all cars that do not comply with 3.4.3 or 3.4.4 above.

S10 and S13 apply, amended as follows:-

S.13.6.1 The engine may be from any vehicle manufactured by Triumph, 4 or 6 cylinders, or Rover for V8 conversions.

S.13.6.3 Forced induction systems are allowed.

S.13.8 Rear axle arrangement is free.

4. ENVIRONMENTAL CONCERNS

Motorsport UK are exceedingly concerned of the impact of single-use plastic tyre wrapping and with reusable alternatives available competitors are encouraged to reduce plastic usage in this regard. Use of these plastic wraps is to be eradicated by 2023.