

1400 Production Rules 2022

Please read through all rules carefully and see new updated rules and regulations for 2022. Each car will be individually inspected on the first meeting of the season. If you are found to be breaking the rules or your vehicle is not built to the safe standard that the below rules set out, you will not be able to race until the necessary changes are made. The new rules and regulations we have introduced are for your safety and for fair racing across the formula. Failure to comply will put yours and others safety at risk. Please ensure when buying ready-made kit or vehicles, that they meet the standard of our rules. If you have any questions regarding your vehicle, please contact us before the season opens so we can advise on changes you may need to make to avoid missing the first meeting.

Smallfield Raceway reserves the right to make amendments at any time to the rules and specifications for any of the following reasons:

- In the interests of Health and Safety
- In areas that are detrimental to the future of the formula
- If an unnecessary advantage has been deemed.

Unless the rules below state you can do it, YOU CANNOT DO IT!

Permitted Drivers

Any adult aged 16 or over can race this formula.

All drivers are required to register with Smallfield Raceway to partake in any formula or races.

Permitted Vehicles

Any production car up to 1400cc

NO twin carburettor Hondas are permitted

NO engine swaps, with the exception of 8 valve engine in a Vauxhall Corsa.

The Body Shell

The interior of the vehicle must be gutted of all materials.

You may de-skin the vehicle panels.

You may fill in the headlight apertures.

Original front and rear bumpers must be fitted.

No work behind the bumper to strengthen. This is a non-contact formula.

All vehicles must be fitted with a number fin plate. You will not be lap scored if you do not have a fin plate on your vehicle.

All Vehicles must be fitted with a rear view and Drivers side mirror.

All vehicles must be fitted with a minimum of one working brake light.

You may use skirts and arches.

All vehicles must be in a presentable order.

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A drivers side window net is **COMPULSORY**

Engine

Up to 1400cc only.

The engine, gearbox and final drive must be standard to the vehicle.

The engine must stay in its standard form as to the model of the vehicle.

Cylinder Head may be skimmed to a maximum of 20 thou.

Maximum Cylinder overbore is 1mm.

A Febi Camshaft is the **ONLY** other camshaft allowed in Vauxhalls.

Valve stems **MUST NOT** be machined, but pattern part valves can be used.

No engine swaps.

No conversions to engines.

No changing of injectors.

No removing rev limiters

Locked diffs are permitted

Aftermarket ECU's are **NOT** permitted.

ECU's must be easily accessible to be checked after a race or at any time at the promoters or clerk of the course discretion.

The carburettor **must not** be altered.

No twin carburettors.

Chokes may be altered.

The 1400 16 valve engine may only use a Weber 32/34 DMTL carburettor.

Lightened fly wheel is allowed.

Exhaust manifold must be standard. The downpipe is free.

All cars must run on a radiator in original position. NO HEADER TANKS.

Exhaust must have a minimum of one silencer.

All cars must be fitted with a cut-off switch accessible from outside of the vehicle.

The ignition system must remain standard. No aftermarket ignition systems permitted.

No decking the block. (Skimming)

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Fuel and Batteries

All fuel and electric cables must run inside the car. All fuel lines must have minimum joins. i.e. one at carb and one at tank only.

2-gallon fuel tank maximum to be fitted inside vehicle and separated by a box or fire wall from the driver.

Fuel tank must be steel or aluminium.

A one way valve must be used.

A fuel cut off switch must be fitted and easily accessed by the driver.

No motor bike tanks, gas bottle or fire extinguishers to be used as petrol tanks

The Battery must covered and securely fastened inside the car located behind the driver.

Roll Cage and Camber

All Cars must be fitted with a full 6 point roll cage. The cage must consist of a minimum of:

1. A main hoop over the A pillars.
2. A main hoop over the B pillars.
3. Three roof bars connecting A and B Pillar hoops.
4. A bulkhead bar connecting A pillar to A pillar.
5. A cross bar at shoulder height of the driver.
6. The main hoops must be welded to a minimum of 3mm thick boxes, 100mm square to the floor and sill or to a piece of tube on top of the sill, with a minimum of 2.5mm thickness.
7. A minimum of two door bars in the drivers side with a minimum of two connecting bars connecting the two door bars together.
8. Suspension turrets can be supported from the front of the cage
9. A minimum of two stay bars coming down from the top of your main hoop, down to the rear turrets or as close as possible.

Camber is allowed on the nearside front wheel. This is done by extending the lower arm by a maximum of 40mm. The driver side wheel must remain standard.

You may also move the nearside front wheel forward by a maximum of 40mm.

The seat must have a minimum of four bolts through the base of the seat connected to the floor or base of the roll cage. They must have a minimum of two bolts connected to a brace from the roll cage to the back of the seat at shoulder height of the driver.

Bonnets can be on original hinges but must be secured with two additional bolts at the front of the bonnet. If not using original hinges, you may use two corner plates with two additional bolts at front of the bonnet. If not using corner plates you must use two bolts at the front and two bolts at the rear of the bonnet.

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Full 5-point harness must be fitted using harness eyes or chain, if using chain, you must use the minimum size of the M12 bolt with either a nylock nut or double nutted.

Drivers door must be able to opened

You may use any wheel or tyre.

No coil overs.

Crash Helmets, Overalls, Gloves and Balaclavas

Helmets must be of a minimum standard as directed by British Oval Racing Safety Executive (B.O.R.S.E). NO POLYCARBONATE helmets are allowed. It is important that the helmet fits the driver correctly and that manufacturers guidelines are followed. This Also applies to the passenger.

The current permitted helmet standards for all drivers are:

- FIA 8860-2010
- FIA 8859-2015
- FIA 8860-2018
- FIA 8860-2018 ABP
- SNELL SA2010
- SNELL SA2015
- SNELL EA2016
- SNELL SA2020
- SFI FOUNDATION 31.1A
- SFI FOUNDATION 31.2A
- SFI FOUNDATION 31.1
- ECE R22.05

The helmet must fit the driver correctly and once approved by our scrutineer display the Smallfield Raceway 2022 approval sticker.

It is **Mandatory** to wear Fire retardant, clean, un-torn racing overalls that are clearly marked with fireproof safety standard .

It is **Mandatory** to wear Fire retardant Gloves also clearly marked with the fireproof safety standard.

It is **Mandatory** to wear Fire retardant Balaclavas clearly marked with the fireproof safety standard.

All of the above must be present at scrutineering.

Failure of any of the above will result in being unable to race.

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Flags

All flags must be obeyed.

All production formulas are strictly non-contact if deliberate contact is seen you WILL be black flagged.

The Red flag indicates to stop racing, any driver deemed moving on a red flag will be penalised at the clerk's discretion.

The black flag is a disqualification and you must retire to infield and remain in your vehicle unless advised otherwise by track marshals.

Punctures will be black flagged unless on the o/s/r and not causing track damage.

A rolled black flag will be shown as a warning for contact. If the offender persists then a black cross board will be shown. This is a 1-place deduction and can be shown as many times as we feel needed.

If the driver still persists then it will result in being loaded for the rest of the meeting or longer. This will be decided at the clerk of the course's discretion.

The yellow flag indicates a danger or obstruction on track.

A waved yellow means move into single file and drop your speed to 10mph in the race order that the yellows came out on. Any drivers jumping positions on a waved yellow will be black flagged.

The Blue flag means hold your line. Failure to hold your line after three blue flags will result in a black flag.

Roof Grades

All drivers will start the new season at the roof grade they finished with from the previous season. This could be subject to change at the clerk of the course' discretion.

It is the drivers responsibility to start at their correct roof grade. If you do not line up at the correct roof grade you will not be lap scored.

If you win a heat you start from the back of your current roof grade.

Roof grades will be changed for the start of the next meeting not during the current one.

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Accusations and Raceway Conduct

Any accusations of cheating, adapting or illegally modifying vehicles will be taken very seriously and investigated by the clerk of the course and promoters.

If you are suspected of illegally modifying your vehicle, there will be a £500 retainer put on your vehicle. This means that your engine will be stripped. Both parties must be present, and stripping of the engine must be overseen by a race official. If found to be illegally modifying or adapting your vehicle the retainer fee will be returned to the other party. If found to NOT be illegally modifying or adapting your vehicle, you will keep the retainer fee.

Any social media outbursts that are detrimental to the raceway could result in a ban.

Any aggressive behaviour, verbal or physical towards any member of staff will result in a life ban from the raceway.

Family members and friends of drivers should also see above two rules as it will still result in a ban for the associated driver.

No one is permitted inside the race control paddock, if you need to speak to race control or clerk of the course please ask the marshal on the gate and they will contact us..

As a raceway we reserve the right refuse anyone entry to track and to let anyone race if we feel the need to stop you.

You may not get out of your car while racing is going on. Unless instructed by a Marshal then stay in your vehicle.

Any person that enters the raceway without authorisation will be banned for the next meeting. If this happens again you will be banned for the season.

All rubbish should be taken home with you. If you make the mess tidy the mess.

Any damages or vandalism to our raceway and our property will result in a ban.

Smallfield Raceway has a zero tolerance policy for drug use. If you are found to be using drugs on our premise, you will receive a ban.

Smallfield Raceway has a zero tolerance policy on violence and fighting. Any violence or fighting will result in a ban.

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Points

Points are given to the first ten places in a race.

Points are as follows:

1st – 10 points

2nd – 9 points

3rd – 8 points

4th – 7 points

5th – 6 points

6th – 5 points

7th – 4 points

8th – 3 points

9th – 2 points

10th – 1 point

Smallfield Raceway reserve the right to deduct points from drivers as a result of driver conduct, choosing to ignore a race marshals' instruction and breaking raceway rules and regulations.

Roof grading points system:

White Roof - 0 - 20 Points

Yellow Roof – 21 – 36 Points

Blue Roof - 37 – 48 Points

Red Roof - 49+ Point

Lap scorers decision is final, unless video evidence proves otherwise.