

2026 AUTOSPEED (under 1800cc*) BANGER SPECIFICATIONS



Effective 1 March 2026 - Version 26_04

INTRODUCTION

This formula is especially designed to encourage new drivers to Stadium Racing and to enjoy the atmosphere and excitement of driving without a large financial investment, or for drivers who feel they cannot give the commitment required to compete at a very high level in the other various formulas available.

NOTICES

ALL DRIVERS MUST BOOK IN TO RACE AT LEAST 48 HOURS BEFORE ANY RACE MEETING. THIS IS MANDATORY AND APPLIES TO DAY LICENCE DRIVERS ALSO. ALL DRIVERS MUST SIGN IN AT THE PIT OFFICE AT LEAST 1 HOUR BEFORE START TIME.

ALL cars must be painted. Unpainted cars will not be permitted to race, until they have been rectified.

TYPE OF RACING

Autospeed Bangers are intended to be a LIMITED CONTACT formula, BUT without excessive contact. Drivers are not permitted to follow another car into the safety fence, intentionally attack a stationary car, drive in the opposite direction or deliberately wreck another car. Any driver who is in contravention of these rules shall, at the promotion's discretion, have their Autospeed Banger licence revoked and receive a FULL ORCi ban.

VIOLATIONS

- When referring to the engine, gearbox, final drive, mechanical or construction Rules & Regulations, the principle will always be: Unless permission is specifically granted to make modifications (or any variation) nothing may be done to alter or change the standard parts in any way.
- It is the responsibility of the Driver to prove to the Promotion that the part is legal, by way of written proof of where the part originated. This must be undertaken within 7 days, otherwise the item in question will be deemed illegal, resulting in immediate suspension from racing & referral for disciplinary action. **Unless the rules say you can do it, you cannot!**
- Presentation of a vehicle for a Safety Check is a declaration that the vehicle is eligible for that event.
- Car engines & fuel will be checked on a random basis. Violations or refusal to allow an engine check will result in an immediate suspension of all racing activities.
- All Car and Engine Specifications will be taken from either the manufacturers Technical Specifications or the Technical Service Data books as published by Auto Data. Should a discrepancy occur between the Specifications then the Promotion will exercise its judgment, and that decision will be final.
- Clarification on any one item may be sought from the Promoter.
- Each driver is permitted one car per meeting & each car is permitted one driver per meeting.

PRE MEETING SAFETY CHECKS

- Arrival at the raceway is required a minimum one hour before the advertised start time, to allow pre meeting safety checks to be carried out.
- You must sign in at the pit office, where your log book will be stamped, prior to pre meeting safety checks. The driver must accompany the car, complete with ORCi Log Book, racing overalls, fire retardant gloves and crash helmet.

1. CARS ELIGIBLE

- Any British or European specification, four wheel, right-hand two wheel drive, saloon/hatchback or estate car over 1300cc but under 1800cc (* however the BMW 3 Series up to 1895cc 8 valve - engine code M43TUB19 is permitted, along with the Proton Satria 1834cc).
- The following cars are expressly **EXCLUDED** in this class:
 - Ford Mondeo/S Max, Cougar, Ford Granada,
 - Any seven seat MPV type vehicle, such as Chrysler Voyager, Vauxhall Zafira, Ford Galaxy
 - Honda/Rover models using twin cam engines and/or twin carb.
- The use of turbo or supercharged cars are not permitted.

2. STRIPPING & PREPARATION

- It is compulsory to remove all the interior, glass, airbags and charges, spoilers and side-skirts.

- It is strongly advised that all possible components of the dashboard are removed. You may be required to make an additional brace to secure the steering column. However this is mandatory if the standard support is removed.
- The car must have an all-steel body, which must not be lowered, narrowed or shortened.
- Remove all seats except the driver's which must be retained, the use of a racing seat is not allowed.
- Remove spare wheel carriers and tow bars plus associated steelwork if fitted.
- Original fuel tanks must be removed. If however, the tank is an integral part of the body you must remove as much as possible.

3. **STRENGTHENING & PREPARATION**

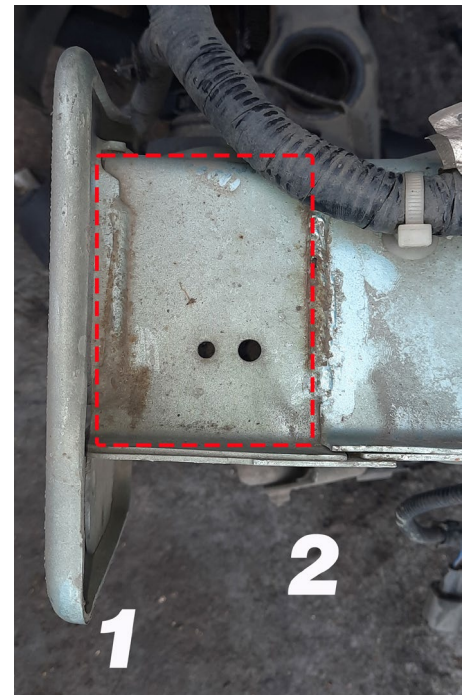
- **Please refer to ORCi National Banger Specifications for information on driver's door plates/floor plates/bonnet corner plates, roll cages and minimum of four fixing points for seat belts.**
- ***Driver's door seams MUST be welded shut.***
- **NOTE IN THE ABOVE SPECIFICATIONS THAT: ADJUSTABLE CAGES THE BOLTS MUST GO THROUGH BOTH THE EXTENSION AND SOCKET OF THE ROLLCAGE.**
- **FLOOR PLATES MUST MEET THE MINIMUM STANDARD**
- **PLEASE NOTE FLOOR PLATES ARE MANDATORY - ROOF PLATES ARE NOT.**
- All doors (note driver's door technical specification see above) and boot must be secured by bolting or seat belt webbing to the following specification. Where plates are used to secure doors (other than the driver's door), the plates must be a maximum of 12" x 12" (300mm x 300mm) – you may use ONE additional bolt per plate to secure through the A or B Pillar, this must be a minimum size ¼" (6mm).
- Cars that fail pre-meeting Safety Checks or post-race scrutineering, found to be armoured or strengthened, including engine or gearbox suspension mounts that are over the top and not rectifiable on the day, will receive an immediate ORCi ban. If the vehicle can be rectified at the track then the vehicle must race, otherwise the driver will be subject to an ORCi ban.
- The only welding permitted is that on the driver's door area, bonnet corner straps, bumper bracket and bumper mounting plate as noted below.
- **No other welding is permitted anywhere else on the car.**

Engine Mount

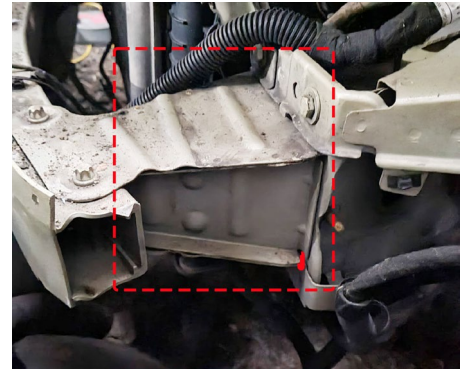
- Original mounts can be strengthened but must remain in original position OR one can be replaced with a fabricated mount which must mount in its original position. Fabricated mounts must be bolted to the chassis with a maximum of 4 bolts, the maximum length of mount on the chassis is **300mm** ~~240mm~~ and must not pass the engine face more than 50mm for a bolt.

Chassis Legs/Bumpers

- You may fit a bumper/flat plate 100mm x 3mm in place of the front bumper. This must be folded back a maximum of 3" (75mm) on the chassis leg, secured with a maximum of two bolts per chassis leg. The bolts must go THROUGH the chassis and not UP the chassis. No welding permitted.
- It is permitted to cut the Ford Focus chassis legs back, up to a maximum of 70mm towards the bulkhead, to remove the crumple zone. This is shown as the area between markers 1 and 2 on the diagram opposite, marked in red.
- It is permitted to remove the original Ford Focus bumper mounting plate (noted as no. 1 in the diagram) and reattach to the cut back chassis leg by means of welding. This must be a maximum of 25mm long weld in the centre of each side only, and similar to that of the original manufacturer's weld.
- It is permitted to remove the bolt-on crumple zone from a Vauxhall Astra front bumper, as shown in the diagram right.
- It is permitted to remove the original Vauxhall Astra bumper/crumple zone mounting plate and reattach to the bumper by means of welding. This must be a maximum of 25mm long weld in the centre of each side only.
- The original front bumper may be removed.
- If the bumper is retained it must be original to the car or a Mk1 Ford Focus (Saloon or Hatchback) front or rear bumper.



- This must remain in its original form, i.e. no strengthening, and must be fitted by means of bolting or strapping with seat belt webbing. It is permitted to use a maximum of four bolts per side to mount the bumper to the chassis.
- It is permitted to attach to the front bumper two steel plates at right angles, to bolt through the chassis leg. This must be attached to the bumper by means of welding or bolting a maximum of 75mm long steel plate (maximum of 3mm thickness) to a depth of 100mm. These plates can only be bolted to the inside face of the chassis leg or the external face but not up inside the leg. The maximum size bolt fixing is M16, with a maximum of two permitted in each chassis leg to hold the plate.
- The bumper is NOT PERMITTED to be welded to the car in any form.
- All plastic over-riders to be removed.
- Rear bumpers including plastic bumpers and any metal reinforcement must be removed.



Bonnet

- Bonnet must be removable but must be securely fixed front and back by the following means:
 - Seat belt webbing or rope
 - Two threaded bolts or studding (National Banger type) up to a maximum of 14mm diameter, passing through either the slam panel or inner wings maybe used, with a maximum steel washer **plate** size of **100mm x 100mm** ~~50mm x 50mm~~. Bolts must not go through the chassis legs.
 - **Crush tubes, which must be 50mm x 50mm box or tube. The two bonnet bolts may go through the inner wings, slam panel or you may weld or bolt a piece of 70mm x 50mm plate to the chassis for the bolt to pass through. If bolted, a maximum of one M12 bolt to hold in place. Crush tubes must not be sleeved and must be able to drop out when removed.**
 - The following are not allowed - tie down straps, large Banger bolts, ~~crush tubes~~ or ratchet straps).
- Up to 3mm thick triangular corner plates or straps may be used to secure the rear of the bonnet by bolting or welding. Plates or straps must be placed no further than 300mm across or down from the back edge and side of the bonnet.
- Bonnet must not be moved forward or strengthened and must remain standard.

Wings

- Front wings may be trimmed below the front bumper level.

General

- If the complete dashboard has been removed, then you may be required to make an additional brace to secure the steering column, however this is mandatory if the standard support is removed.
- No screen bars allowed.
- You are not permitted to strengthen the gearbox tunnel.
- Expanding foam or any other material must not be used to fill chassis or door sills etc.
- Sunroof must be bolted. If covered, the maximum thickness of flat steel plate is 1/8" (3mm), and the maximum size is 4" (100mm) larger than the sun roof opening.
- It is not permitted to panel in headlight and window apertures.
- It is not permitted to panel in the inside of doors and or the rear parcel shelf and these must be left as original. Drivers name visors must be at the top of the windscreen only and must not be welded in place.
- A seat with a head restraint must be fitted. The seat must be securely mounted at shoulder height to the cross bar or to the rollover bar and bolted securely to floor. The seat must be a standard production seat, not a racing seat.

Guards/Covers

- No guards permitted – ~~for example to protect crank sensor~~
- On front facing crank sensor engines, a maximum 6mm thick crank sensor guard is permitted to be mounted off the engine only with a maximum of two mounting points. The plates are permitted to protrude around the sensor but must not connect to the engine in any way.

- An oil filter guard is permitted on forward facing oil filters. It must be made from flat plate being a maximum of 5" x 5" diameter and a maximum of 6mm thick, secured back to the engine using 2 pieces of 1" box section. The plate must not come forward of oil filter more than 1" and be mounted on the engine as close as possible to oil filter. The object of this is to prevent oil fires and not to strengthen the car therefore if the scrutineers believe the guard to be excessive you will be asked to remove it. This must not be connected to the engine mount in anyway.

4. FINAL PREPARATION & PAINTWORK

- All cars **MUST BE PAINTED**, preferably in a bright colour. Should a car not be painted it will NOT be permitted to race, until this is rectified.
- Cars can be neatly sign written, but nothing should be painted or sign written on the car which could cause offence.
- Rusty or dirty vehicles will not be allowed out onto the circuit.
- Rude or provocative slogans are not allowed.
- In addition to the car construction rules, all cars presented at scrutineering must be considered safe and not unsightly.
- New under sealing of the underside of the car is strictly forbidden.

5. FUEL SYSTEM

- The original petrol tank must be removed and replaced with a maximum size 2-3 gallon safety tank fitted inside the car on or under the roll bar. Before fitting, the tank should be carefully checked to see that it cannot leak when inverted or on its side and the outlet must be from the top of the tank. The vent pipe from the top of the tank must be terminated below the floor level of the car.
- All fuel lines must be in good condition and securely clamped.
- With carburettor fuelled cars, a manual shut-off tap must be fitted within reach of the driver when strapped in the car, and fitted before the fuel pump (if external). Fuel injected cars, the fuel flow must be controlled by the pump cut off switch. Immersed fuel pumps are permitted.
- All fuel tanks must be of steel construction and have a metal screw top.
- A one way valve must be fitted to the breather pipe.
- Electric fuel pumps may be fitted.
- External high pressure pumps must be contained within a steel box.

6. ELECTRICAL SYSTEM

- Batteries must be bolted or clamped in position and completely covered with rot-proof material to prevent acid leakage. Ratchet straps may be used as a secondary fixing only. Batteries must be fitted on or under the roll bar. If batteries are secured in a box the maximum dimensions are 18" x 12", 460mm x 300mm.
- Alternators, if fitted, cannot be wired to charge.
- All wiring must be fully insulated.
- Electric starters must be fitted and in working order.
- Ignition and starting must be activated through an insulated switch, not by connecting bare wires together. A battery cut off switch **MUST** be mounted on the roll cage on the near side of the car; the switch must be wired to the earth side of the battery.
- Engines that are fitted with ignition system relying on a flywheel sensor (or similar), must not be modified to use a gear driven distributor.
- On fuel injection cars the engine management system including ignition boxes must remain as originally fitted and not re mapped.
- The standard ECU that was manufactured with the engine must be used.

7. SUSPENSION & BRAKES

- **MUST REMAIN STANDARD.** No interchanging of suspension parts is permitted.
- Springs must remain original to the make/model of car. No cut springs, no lowered springs and no coil over springs. A maximum of one rubber spring mount per side (if fitted).
- **LOWERING/CAMBERING OF CARS IS NOT PERMITTED. Scrutineers may at any time insist on camber being corrected.**
- The promotion reserves the right to check the ride height of a car at any time. This will be to ensure that the ride height is the same measurement (or greater) on the driver's side as it is on the passenger side, i.e. the car should sit level to the track (consideration will be given to the extra strengthening required on the driver's side). This will be done without the driver sat in the car.
- Brakes must remain standard and to be effective on all four wheels at all times.

- Back axles must be standard to the car with no additional strengthening.

8. ENGINES, GEARBOX & DRIVESHAFTS/PROPSHAFTS

- The engine, flywheel and gearbox must be the one originally fitted to the make/model as manufactured and in standard form.
- Engine codes/ID markings must remain intact. Removal of such items will deem the engine illegal.
- No skimming of the head more than 60 thou from standard for head gasket purposes only.
- No porting or gas flowing.
- No removing or adding material to the ports or combustion chamber.
- No Ford ST170/RS engine components are permitted.
- The cylinder head and the camshaft(s) must remain standard.
- No turbos or superchargers
- No dry sump systems.
- Bulkheads must remain original and not be cut or modified to fit an engine. You may cut a hole in the bulkhead to accommodate the wiring and fuel pipe.
- Engines must remain on the original engine mounts and remain standard to that particular car – no welding. However one aluminium engine mount maybe replaced with a steel mount, this must utilise the original position and fixings.
- Original gearbox mounts only.
- Air filters are free.
- A 1.5mm overbore is allowed.
- Pistons must be standard - no modifications. Pistons and rings may be size matched with the appropriate overbore as specified above.
- Alternator may be removed.
- The inlet and exhaust manifolds must be standard to the engine (with the exception of rule 8 Carburettor noted below). These may be de-carbonised but not polished or ported i.e. No removal of casting marks etc.
- Sumps may be baffled to prevent oil wash away from oil pick up point.
- A registered driver may protest the legality of an engine, by lodging £150 reinstatement fee and completing a protest form (available from the promotion). If the engine is proved legal, the fee passes to the challenged driver. If illegal the fee returns to the protestor and the driver whose engine is illegal, will be suspended from racing. Protest will be accepted at the promotions discretion and only up to 30 minutes after the conclusion of a race meeting.
- ***The Ford Zetec 1.8 may be fitted to any Volvo or Mk2 Focus; however, the engine mounts must meet the original mounting points, and the gearbox mount must be original in the original position.***
- ***The Ford Focus Mk2 and Volvos engine mounts can be 12" (300mm) long and must not bolt through the chassis.***

9. FUEL INJECTION & CARBURETTOR

- Must remain standard to the manufacturers model range. Cold start devices may be removed.
- Re-jetting is permitted.
- The Pierburg carburettor is NOT permitted on Fords.
- Injected cars may be converted to conventional carburation if available from that manufacturer, although vehicles fitted with a single point injection can be used providing they are fitted using the standard Banger fuel system and the fuel pump is replaced with a standard High Pressure Facet pump.
- Multi point injection can be used, with a return back to the tank or a t-piece fitted in the fuel line between the fuel tank and the fuel pump, but the electrical isolation switch (cut off switch) must be fitted in the N/S/R window area of the B post, for easy access of Safety Marshalls
- Carburettors may be replaced with the equivalent size Weber conversion. Adapter plates may be fitted by bolting or welding (max size carburettor allowed is 32/34 32/36 DGV or DGVA with a maximum of 26mm and a 27mm sized chokes). No polishing or re-profiling is allowed. No modifications to the carburettor body or original design is permitted except to allow both chokes to open at the same time.
- ***The 38 DGAS carburettor is permitted.***

10. DIFFERENTIAL

- Limited slip differentials, locked differentials, welded or power-locked differentials are not allowed, even if fitted as standard or available as an optional extra to the car.

- Axle and ratio must be as manufactured.

11. COOLING SYSTEM

- Radiators must be under the bonnet but they do not have to be in the original position.
- Steel fabricated bulk head steam tanks are permitted. They are not permitted to be mounted any further forward than the centre line of the strut tops.
- Thermostat may be removed. ***A fabricated thermostat housing is permitted, but must be no larger than the original size.***
- No heater matrix permitted inside the car. If retained, the original matrix must be relocated under the bonnet. No other oil or water coolers permitted.
- The bonnet must not be cut in anyway to accommodate the radiator

12. EXHAUST & EXHAUST MANIFOLDS

- Standard tubular manifolds may be used, only if fitted as standard to that model e.g. Nissan Primera.
- No non-standard aftermarket exhaust manifolds are permitted.
- In all cases the four branch manifolds must be genuine original manufacturers parts as fitted as standard to that model. No competition or aftermarket manifolds permitted.
- If the original exhaust system has to be replaced, there must be at least one silencer to each exhaust pipe and they must be securely fixed after the manifold. No Cherry Bombs or straight through systems are allowed.
- The original mount must be supplemented with at least one additional fixing to secure the system to the car.
- Removal of the catalytic converter is permitted.
- No car will be allowed to race without an exhaust system and all drivers must be aware that if your car appears to be too noisy by a scrutineer or the steward then you may not be permitted to race or may receive a technical disqualification.
- ***ST manifolds are not permitted.***

13. WHEELS & TYRES

- Any standard road wheel may be used up to a maximum of 6J and ensuring it fits safely, however the same size wheel and tyre profile must be used across the axle.
- You must only use conventional road tyres up to 195. The lowest profile permitted is "50" series. You must run the same profile tyre across the axle.
- Wheel nuts must be fitted. Hub-caps and wheel weights **MUST** be removed.
- All identification markings to remain on tyres. Any tyre with buffed markings will not be accepted, and will be subject to disciplinary action.
- All tyres should have a minimum durometer reading of 60, whenever tested.
- Tyre gaiters are permitted.
- **Please refer to the ORCi National Banger tyre technical specification for those which are not permitted.**

14. ORCi Driver Safety Equipment Specification Regulations

- The "Driver Safety Equipment Specification Regulations" are a common set of regulations, produced by the ORCi, governing the safety equipment used by drivers, and applicable to all ORCi sanctioned formulas.
- These regulations are located in the "Technical" section of the ORCi website where they can be accessed by anyone, and managed in a controlled fashion to ensure integrity and consistency across formulas.
- Drivers should regularly consult the ORCi website for the latest applicable regulations and updates:
 - ORCi Website Technical Section: <http://www.orci.co.uk/Content/Technical>
 - ORCi Website Home-page: <http://www.orci.co.uk/Home>
 - Follow the ORCi on Social Media: Facebook - @OvalRacingCouncilInternational
 - Twitter - @orc_int
- For specifications relating to driver's seat and harness they must be referred to the latest ORCi National Banger Specifications which can be found as noted above.

15. RACING NUMBERS

- You must fit a fin plate to the roof of your car, minimum size 18" x 12" (460mm x 300mm) and a maximum size of 20" x 15" (510mm x 380mm).

- Your number must be black on a white background, no other colours allowed, any other writing allowed must not interfere with the numbers, which must be minimum size 9" (230mm) high x 1½" (40mm) wide. If your number is not to the above specification, you may not be lap scored.
- No part of the number roof fin plate is permitted to extend further back than the end of the roof.
- Your name must also feature prominently on the car.
- Signwriting should be devoid of profanities, obscenities and political comment.

16. ROOF GRADES/STARTING POSITIONS

- Each Track Champion is permitted to have a silver stripe on their roof, whilst the promotion's overall Points Champion must have a full silver roof. The Cornish Champion shall paint the cross of St Piran on their roof. The Devon Champion shall paint the cross of St Petroc on their roof.
- Each race shall be gridded in graded order (as per the current grading list with drivers in either White, Yellow, Blue or Red grade, plus a Champions grade). Grades will be determined by average points. The promotion reserves the right to alter a driver's grade on the day, should they not appear on the grading list. There must be a reasonable gap between each grade.
- Any driver winning a race must start at the back of their grade for the remainder of the meeting. The onus is on the driver to take up this grid position and two places will be docked by the Steward for each position out of place taken at the start.
- Each driver must paint the whole of their roof, down to the tops of doors, in the required colour.
- Roof colours will be checked at scrutineering. If incorrect, a driver will not race until this is rectified.
- There must be no contact or overtaking on the rolling lap. The green flag shall be given once the cars exit the fourth turn.

17. RACE FORMATS

- The number of cars present for racing, will determine the race format - the choices being all cars all races, two from three heats format, or a full format of qualifying heats/consolation. For all Autospeed Bangers fixtures, drivers must check the Notice Board within the last 30 minutes before start time, as it will be in this period that formats and heat division will be determined.

Updates in ***red/bold/italic*** for 2026 v26_02

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