

2023 Reliant Robin Rules

1. Definition

This is a light contact fun formula, the object of which is to complete the specified number of laps in the shortest time – and, at times, drivers may be asked to be part of a show. Racing is in a clockwise direction.

2. Type of Car

You may use any three wheeled Reliant Robin, Regal or Rialto only.

3. Preparation

- a) You must remove all original interior and exterior trim, moulding and wiring.
- b) Cars must be brightly painted and signwriting must be of a professional nature.

4. Bodywork

- a) No armouring of the car (front or rear) is permitted.
- b) No lowering of the car by any means. Car must sit level.
- c) No ballast of any type
- d) Scrutineers are instructed to refuse any car which they consider to be unsafe.
- e) Any repairs to bodywork must either be with aluminium steel (maximum thickness 1.5mm), or fibre glass. Steel or steel supports are not permitted.

5. Engine & Gearbox

- a) The engine and gearbox must be original and must not be modified in any way.
- b) Engines outside appearance must be standard
Exception: The needle and jet may be modified, and air filter removed.
- c) There will be a buyout clause of the engine and gearbox complete for £350. Anyone wishing to purchase another driver's engine and gearbox must do so by approaching the meeting steward and not the driver concerned. The Promoter may also purchase the engine and gearbox of any cars for the above price.

6. Rollcage

A full roll cage must be fitted, in support of A & B Pillars, consisting of a minimum of:

- a) Two hoops, either running from front to rear or side to side.
- b) Two top hoop connecting bars.
- c) One rear hoop cross bar, at shoulder height to mount a seat support, or a seat brace hoop to mount seat support. d) One lower bar.
- e) The four hoop feet must be bolted or welded to the main chassis rails.
- f) A single bar from front to back across the centre of the cage.
- g) One cross bar, at the lower front windscreen level, must be fitted. This may also support the steering column.
- h) Two driver's side door chicken bars and supports must be fitted.
- i) Two "chicken bars" in passenger doors must be fitted.

- j) The roll cage must be constructed of a minimum of 40mm x 40mm box section, or 32mm tube (2.5 – 3mm thickness).
- k) A minimum of 2.5mm gussets may be used to strengthen joints.
- l) No part of the roll cage should protrude beyond the body-shell.
- m) Any part of the roll cage which may come into direct contact with the driver's body must be suitably padded.
- n) an Anti snap bar can be fitted, welded or bolted to the cage and to the top bar above the front wheel ON PASSENGER SIDE ONLY. NO other strengthening allowed.
- o) Cage rear supports must be fitted and bolted / welded to the chassis. These must be no further back than the rear wheels. No extensions to the cage must pass the rear wheels.
- p) A full sized door plate to the driver's door area with padding to the top edge and bolted / welded to the two cage "chicken bars".
- q) A steel plate min 3mm thick must be welded across the complete roof area of the cage.
- r) A footplate must be fitted made out of 3mm steel

7. Gearbox / Final Drive

- a) Gearbox must be as produced for the model of the car.
- b) No locked diffs except for shale tracks. No limited slip differentials.

8. Brakes

Must remain as standard and work on a minimum of two wheels.

Handbrake must remain. No modifications are permitted.

9. Wheels & Tyres

- a) Any 10 inch wheel that fits without modification up to a max of 5 inch width, maybe used. b) No wheel spacers are allowed.
- c) Wheel weights must be removed.
- d) No Town & Country or deep treaded Mud & Snow tyres are allowed. No Yokohama or competition tyres are allowed. Tyre gaiters are allowed.

10. Cooling System

Radiators or steam tanks may be used. These must be securely fixed under the bonnet hatch.

11. Exhaust System

Exhaust must be standard

12. Battery & Electrical System

- a) Battery must be securely fixed and covered with a rot-proof material if they are not of a sealed type.
- b) Only one battery is permitted (similar to original in weight and size)
- c) No battery box. Battery must be adequately clamped together with a secondary ratchet strap fastening.
- d) Battery is to be fitted within the roll cage area.

13. Fuel Tanks & System

- a) Original fuel tank must be removed.
- b) Fuel tank must be metal only, or FIA approved, with a maximum 9 litre capacity.
- c) Tank must be fitted within cage area.
- d) All fuel tanks must have a positive means of fixing (metal straps or bolted).
- e) If there is a floor under the tank there must be at least four 50mm holes in the floor, in case of spillage.
- f) A fuel shut off tap must be fitted within easy reach of the driver.
- g) Fuel outlet must be from top of tank.
- h) Filler caps must be metal screw type
- i) A breather pipe, which must incorporate a one way valve, must be fitted (or a vent pipe, terminating below the tank, so it would prevent spillage if inverted).
- j) All fuel pipes must be inside the vehicle.
- k) Only road side fuel can be used
- l) The use of any additives (such as octane booster) is not permitted
- m) Using the fuel tank as ballast is not permitted, and the Scrutineer's decision is final.

14. Distributor and Carburetor

distributor and carburetor must be original equipment , charging system may be removed

15. Camshafts

Camshafts are free however the promotions reserves the right to impose a buying rule in the future

16. Back Axle Strengthening

Strapping and bracing of the axle is allowed

17. Numbers

The driver's racing number must appear on both sides of the car. Preferably these should be in large American style numbers on a contrasting background. Background must extend a minimum of 50mm (2") beyond the outline of the number(s). An additional number plate on the rear cage downright is recommended.

18. Driver's Name

a) A sun visor, to an approximate depth of 152mm (6") with your name or nick name clearly sign written, may be fitted.

19. Driver's Seat

- a) Seats should occupy original position where applicable.
- b) Competition type seats only.
- c) Seats must be securely fitted and provide a strong head restraint. Otherwise the head restraint must be an integral part of the roll cage.
- d) If you have an integral head restraint it must be fixed top and bottom to avoid your head being forced under or over.

20. SAFETY EQUIPMENT

Please check the ORC website www.orci.co.uk for the current safety equipment regulations

21. WINDOW NET

A cloth type Window Net with a maximum spacing of 76mm x 76mm, which must be fitted with a quick release mechanism is very strongly recommended

22. SUSPENSION

- a) Suspension to remain as standard
- b) No coilover suspension
- c) Leaf springs to be fitted as originally manufactured