

2010 JUNIOR-RODS SPECIFICATIONS



This Formula is NON-CONTACT and cars should be prepared with a professional racing appearance. This standard is required to be kept up throughout the driver's racing season. Cars with tatty, dented and badly battered panels will not be passed by the Scrutineer. (Metal panels only may be used with the exception of front and rear bumpers although these must originate from the make and particular Model of car being used) no car will be allowed to race without the original bumpers.

VIOLATIONS

When referring to the engine, gearbox, differential, mechanical or construction, rules and 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 IN ANY WAY THE STANDARD PARTS. UNLESS THESE RULES STATE YOU CAN DO IT, YOU CANNOT DO IT.**

Violations will result in an immediate suspension of all racing facilities and any refusal will also result in an immediate suspension.

Cars engines etc. will be checked on a random basis and the promotion will exercise its judgement which will be final in every case. If parts are suspected as being illegal make sure you leave them with the promotion if you do not agree. If you remove any parts that are in dispute from the stadium, without the consent of the scrutineer/promotion they will automatically be deemed illegal.

1. **DRIVERS-** Must be aged between 11-16 years and must prove their date of birth by producing their Birth Certificate when applying for a Licence.

A parent or guardian must sign the Licence Application Form. A driver may compete until the end of the season in which his/her 16th Birthday is attained.

2. **CARS-** The only cars eligible for use are those listed hereafter.
Cars must be of all steel Saloon, Hatchback or Coupe type bodies up to 1200cc.
No fuel injection, No Turbos permitted.
Cars must be painted in bright colours.

SEE SEPARATE ELIGIBLE CAR SPECIFICATON SHEET ATTACHED

3. **ENGINES-** All parts to engines must be original and NO mixed matching permitted.
The only modifications that can be done are the ones that are stated.
Carburettor chokes sizes and butterfly size to remain as standard. Skimming of the head and block is permitted but Pistons must not protrude beyond block surface. Pistons may be up to 1.5mm oversize. Sump may be baffled. Standard flywheel may be lightened.
Hydraulic tappets may be welded but no solid lifters allowed.
Camshafts must remain standard and no reprofiling of camshafts permitted.
4. **EXHAUST-** Full length exhaust systems must be fitted and manifolds must be of the standard type.
5. **TRANSMISSION-** The gearbox, gearbox mountings, gears, gear ratios and final drive must remain as standard. The differential assembly must not be locked in any way.

ie. limited slip diffs or welded diffs are not permitted.

6. **WHEELS and TYRES**- Any Steel or Alloy wheels, subject to a maximum width of 6" can be fitted. No cutting or buffing of tyres is allowed. No competition tyres allowed. Tyre Softener is not permitted. The only tyres permitted are remoulds maximum 165x70. These tyres must be freely available to the general public for a maximum cost of £20.
7. **SUSPENSION**- All suspension and pickup points must be as originally manufactured. Coil springs and leaf springs are free- mounting point must be original, although negative camber is permitted on nearside front wheel only, this to be achieved by slotting of turret and bottom suspension arms may be altered to help achieve said camber.

Adjustable Shock Absorbers are not Permitted.
8. **BRAKES**- To be as original and to work on all wheels .
Handbrake is compulsory.
9. **BODYWORK**- To remain exactly as production, with the passenger door being tack welded i.e. 2" weld with a 6" gap before the next weld. Grilles must remain in their original position and headlamp apertures must be filled by pop-riveting a maximum of 18swb alloy plate as a blanking cover. Wheel arches and skirts are optional.
No spoilers or aerofoils are permitted.
No armouring is allowed.
10. **ROLL CAGES**- No alloy roll cages are allowed. The minimum steel roll cage protection you must have is one front hoop, one rear hoop cross bar at shoulder height to mount to seat support or a seat brace hoop as a seat support, two roof connecting bars, one dash cross bar, two N/S chicken bars and two O/S chicken bars. The roll cage hoop feet must be on four welded 23cm square plate 3m (min.) thick, or piece of 38 x 38 mm box section, 2.5mm minimum thickness, connecting front and rear hoop feet welded to sill or floor. All joints must be welded over 90% of the joint unless as approved RACMSA cage is used. Rear cage bars must terminate at least 4" from the rear panel. All bars connected to the cage must be steel. The minimum thickness of the roll cage are 1 ¼" OD 10swg (3mm) tube 1 ½" OD 12swg (2.5mm) tube 1 ½" x 1 ½" 10swg (3mm) box iron.
11. **SCREENS**- No glass is allowed in the window apertures. All glass must be removed, including headlights/sidelights and all rear lights, An internal mirror and external mirror are compulsory. A metal upright ¾" x ¾" must be welded or bolted into the centre of the windscreen aperture. Wire mesh over the windscreen aperture is not permitted.
12. **STOP LIGHTS**- Two stop/brake lights must be fitted onto the rear parcel shelf or hung from the roof. Lamps must be operated by the standard stop light switch as fitted to that particular model of car. Bulbs to be of 21 watt intensity.
A strip light may be fitted instead of the above.
13. **BATTERIES AND ELECTRICAL**- Batteries must be securely clamped in place and covered with a leak proof material (such as rubber) to prevent spillage of acid. An electrical cut-off switch must be fitted to the rear nearside corner of the car.
If the car is fitted with an electrical fuel pump, a switch must also be within easy reach of the driver. Alternators must be retained in their original position, regardless of whether or not the wiring is connected. Fans belts must be in place. REV counters are not permitted.

14. **SEATS**- Although competition type seats are recommended they are not compulsory and cars may retain the original type seat as fitted to that particular car. The seat must be adequately supported at shoulder height and a strong head restraint must be an integral part of the roll cage, if not part of the seat.
15. **STEERING**- The steering rack or box should retain its original position but the rake and height of the steering column can be altered to suit the driver. It is recommended that the upper retaining bracket of the column be strengthened for safety.
16. **FUEL TANKS**- Only tanks with a max. capacity of 2 gallons or less are permitted. These must be fitted rear of the driver but in front of the rear axle centre line and be securely mounted, they must also be 6" away from the battery, i.e. they are no longer allowed to be fitted in the boot area. All tanks must be fitted with a breather system which prevents spillage if a car overturns. All tank filler caps must be of secure leak proof metal with a screw fitting.
A firewall between fuel tank including filler cap/pump must be fitted.
17. **RADIATORS**- Must be of the type originally fitted to the car and must occupy their original position.
18. **NUMBERS**- Must be displayed on both sides of the car in contrasting colours with a minimum of 12" high in 2" strokes. Numbers must be black on a white background. Fin plates must be fitted in 9" high 1 ½ " strokes.
19. **ROOF COLOURS**- When notified of your grading, driver will paint at least 90% of the roof to their appropriate grading colour. White, Yellow, Blue or Red. Race car numbers can be painted on the top of the roof, but will not be used as an excuse to have the incorrect roof grading. Winner of the Irish Championship must paint his/her roof Green. Silver stripe denotes points Champion.
If you win a race at a meeting; you will start the remaining races from the rear of your grade, Should you win another race at the same meeting - you will be automatically upgraded.
20. **SIGN WRITING**- The drivers name must appear plainly on the sun visor. Only other writing confined to sponsors or mechanics names which must have the approval of the promotions at all times.
21. **SAFETY EQUIPMENT**
HELMETS- Helmets must be a minimum standard as directed by British Oval Racing Safety Executive (B.O.R.S.E). These are BS6658 Type A/FR, FIA8860-2004, Snell SA2005, SFI Foundation 31.1A, SFI Foundation 31.2 A. The E2205 European standard helmet may be used in Fibreglass or Tri-Composite form only. It is important that the helmet fit's the driver correctly. Shatterproof goggles/visors must be worn although tinted visors are not advisable. Your helmet must display the current ORCi (ORC09) sticker.

SAFETY BELT AND EQUIPMENT- Only belts comprising separate shoulder, lap and sub straps will be permitted- i.e. 5 point harnesses. An extra bar is to be fitted to the roll cage behind the drivers' seat approx 4" below shoulder height of the driver. Your seat belts may be fitted to this bar. A quick release cloth window net must be fitted to the driver's door window aperture. The netting should have holes not larger than 7.5cm or 3" wide. It should come down level with the steering wheel, and should be flexible and easily removable separate to the movement of the door.

CLOTHING Drivers must wear brightly coloured racing overalls which must be flame retardant. Fire retardant Gloves and Balaclavas are mandatory and must be marked appropriately. Neck braces are recommended.

FIRE EXTINGUISHERS Must be at least 1kg (.2lb) dry powder or gas and be of the dial type and be fitted within easy reach of the driver. It should be maintained in good working order at all times, securely fitted but not taped or tied in (the old BCF green fire extinguishers are now obsolete). All tow vehicles, must carry a minimum of a 2kg fire extinguisher dry powder or gas, which must be within easy reach of the driver and mechanics at all times, especially when refuelling.

22. Petrol must only brought to the racing in a metal (Jerry can) type containers.

23. Parents and Mechanics please note that smoking is not permitted in the Pits.

24. **GENERAL RULES OF RACING** Each driver is only permitted one car per meeting and each car is only permitted one driver per meeting- this will be strictly enforced.

Any driver spinning the wheels or driving up and down the pits will be banned for a minimum of 4 meetings and not allowed to take part in that night's racing. Cars must travel at 5mph in the pits. No passengers allowed in or on the car. Drivers must not push or work on their cars during a race. No outside assistance is allowed during racing.

There must be no deliberate fencing, or driving at a driver's door or dangerous driving. A car pushed at (in the opinion of the Steward) unreasonable speed from the rear into a bend shall be deemed to have been deliberately 'fenced'. A driver who has deliberately fenced another driver will be black flagged and suspended for four meetings.

25. **FLAG SIGNALS**

Green - GO, All Clear to Race

Red - Stop Racing.

Yellow (Stationary) - Take care as a driver is still in a stationary car, but continue to Race.

Yellow (Waved) - Race Suspension, All Cars must remain in single file and slow to 15mph, or in exceptional circumstances stop. **No Overtaking is permitted.**

Blue - Driver must hold their line as faster cars are trying to overtake.

Chequered Flag - Race Winner.

Black - Driver disqualified for an infringement or for health and safety reasons, driver must leave the track immediately.

Black Cross - Driver under surveillance for a rules infringement, may be penalised after race conclusion.

White flag with Blue Centre - Drivers should exercise caution as oil or other debris may be on the track.

26. **CARS ELIGIBLE FOR USE**

Austin/Rover Metro (1980-1998)	1119cc
Citroen AX (1986-1998)	1124cc
Citroen Saxo (1996-2003)	1124cc
Fiat Cinquecento (1981-1990)	1108cc
Fiat Punto Mk1& Mk2 (1993-2003)	1108cc or 1188cc
Fiat Uno M1& Mk2 (1983-1995)	1108cc or 1188cc
Ford Fiesta Mk1-Mk4 (1976-2002)	1118cc

Ford KA (1996-2003)	1118cc
Mazda 121 (1991-2001)	1138cc
Nissan Micra Mk1 (1982-1992)	1098cc or 1124cc
Nissan Micra Mk2 (1992-1997)	1098cc or 1124cc
Peugeot 106 (1991-2003)	1124cc
Peugeot 206 (1998-2003) 3 & 5 door	1124cc
Renault Clio Mk1 (1990-1997)	1149cc or 1171cc
Renault Clio Mk2 (1997-2005)	1149cc or 1171cc
Rover 200 Series Mk3 - 3 & 5 door (1995-1999)	1119cc
Toyota Starlet Mk1 (1978-1984)	1166cc
Vauxhall Astra Mk2 - 3 & 5 door (1984-1991)	1196cc
Vauxhall Astra Mk3 - 3 & 5 door (1991-1997)	1196cc
Vauxhall Nova (1982-1993)	1196cc
Vauxhall Corsa B - 3 & 5 door (1992-2000)	1196cc
Vauxhall Corsa C - 3 door (2000-2006)	1196cc
Vauxhall Tigra Mk1 (1994-2000)	1196cc
Volkswagen Polo Mk2 (1981-1994)	1093cc
Volkswagen Polo Mk3 (1994-1999)	1093cc

All above cars up to 1200cc are allowed to race and must run a carburettor, manifold system within their range, but not from a larger cc vehicle.

Vauxhall Corsa B - 3 & 5 door (1992-2000) 1.0l (3 Cylinder 12v)	998cc
Vauxhall Corsa C - 3 & 5 door (2000-2006) 1.0l (3 Cylinder 12v)	998cc

Anyone wishing to race a car other than those listed above may request permission by contacting either BMR or NCR Promotions.