

CHAPTER ELEVEN JUNIOR RODS

This formula is a non-contact formula for drivers from the age of 11yrs to end of on their 16th birthday. However, a driver aged from 11-12 yrs may only race under the watchful eye of the promotion until such time as the driver is confident enough to compete fully. The driver's age must be painted on the passenger side of the car. Drivers name to be displayed on sun visor.

All drivers must do at least the first 2 meetings from the back of the grid to get used to the racing condition. New drivers may paint a black cross on the rear of the car.

A responsible adult must be present at each race meeting with a Junior Rod driver and must act responsibly. There will be a zero tolerance policy adopted to any parent, mechanic or responsible adult with Junior Rod Driver who intimidates or is abusive in any way to another driver or driver's family. The BOC will issue immediate bans to their drivers and there accomplices.

There will not be any black crosses shown for contact. A black flag will be shown, when you must pull on to the infield as soon as it is safe to do so. After a total of three black flags, the driver will miss a meeting.

Definition of a Junior Rod

A non-contact formula using UNMODIFIED Vauxhall Nova, Corsa with 1000cc Nova engine and running gear and 950cc Fiesta saloon or hatch back front wheel drive car, 1000cc capacity in standard trim.

All cars must be of smart appearance and this standard must be kept up throughout the season, any cars which appear tatty, dented or dirty will not be allowed to race.

Engines must be in car as manufactured, no transplants of any kind will be allowed.

Type of Car

A right hand drive steel-bodied saloon or hatchback. All panels must be as original in design and not shortened or lowered or reinforced with plating. All floors and bulkheads will remain as standard and weakened in any way at all.

1. Engines

Only 4 cylinder inline 8 valve engines will be allowed. Refacing of cylinder head to 60thou max is allowed as is facing of the block on the gasket surface. Maximum rebore 60thou max oversize. The oil filter and housing may be removed and a blanking plate fitted.

No performance pistons, conrods or any other performance parts are allowed. This will be strictly monitored on a regular basis and anyone found breaking this rule would face an immediate ban.

All engines must have two head bolts, one inlet manifold bolt and two cam cover / rocker cover bolts and two sump bolts, drilled with a 2ml hole so we can fit a sealing wire. Air filters are free.

2. Carburettors

Only carburettors fitted as original will be allowed, no aftermarket products. No alterations are allowed, jetting or polishing is not allowed, manifolds and distributors must remain as standard.

3. Gearbox (Nova)

All gearboxes must remain as standard no l.s.d. or welded diffs allowed. Standard ratios only. 3.9 differential is the only one permitted with 1.96 2nd gear ratio, 4 speed allowed.

4. Body Work

All body work is to remain as original and steel throughout, doors must be welded shut. Passenger door cannot be cut down. Any replacement panels must remain as standard body panel thickness. No reinforcing allowed. Front and rear bumpers can be retained but must remain in their original positions with secondary fixings in addition.

Inner wings must remain original, no steeling up.

The only steel allowed in the front is ONE PIECE of 25ml x 25ml max box section to replace slam panel to support radiator. No additional steel allowed.

If cross member get damaged they can be replaced by genuine / original cross members. No fabricated parts.

The original bumper can have two additional bolts for secondary fixing.

Bumpers on Fiestas must have end cups on.

5. Suspension

No negative camber.

Race damage repairs will be allowed with scrutineer's discretion.

Back axle must remain on original mounts.

Wheelbase must remain at 92ins (race damage at scrutineer's discretion).

Wheels must remain at manufacturer's position.

All springs must be original to car.

Suspension must remain standard lowering is allowed by cutting or heating only, the use of adjustable shock absorbers is not allowed. Gas or oil shock absorbers are allowed, any standard production. No competition.

Nearside front wheel 1inch camber is allowed.

6. Brakes

Brakes must be complete and working on all 4 wheels. Handbrakes must be fitted and working.

7. Cooling

All water cooling systems must be kept within the confines of the engine bay and adequate measures provided to ensure the driver can not be scolded in the case of a burst.

NO OIL COOLERS, NO STEAM TANKS, RADIATORS ONLY IN ORIGINAL POSITION.

8. Fuel and Fuel Tanks

Only roadside fuel is permitted, the use of any octane substitute or booster is not allowed. The fuel tank must have a maximum capacity of 2 gallons and be situated behind the driver on the nearside rear. Firewalls must totally enclose the tank and 2 drain holes of 2" drilled near the tank to allow for spillages. All tank filler caps must be of metal and screw fixing. Fuel feed pipes and breathers must exit at the top of the tank and a one way valve fitted to the breather or it must exit the vehicle below the base of the tank. All pipes must be secured to prevent chaffing. Pipes are to be metal and a fuel tap marked on / off to be within easy reach of the driver. No electric fuel pumps are allowed.

A 1½" steel box section frame to be fitted around the fuel tank to protect it from a rear impact. This frame must be welded to the rear supports of the roll cage and must not go any further back than inner back panel.

9. Tyres and Wheels

Standard wheels 5 ½ J only. No camber allowed.

Only tyres 155 x 13 minimum 70 profile remould must be used. i.e. Colway, King Pin, Hi Q. (*Tyres will be monitored at all times and if anyone uses a tyre that is not within the nature of the formula, a control tyre may be enforced*) No competition tyres no new Kingpin, no mud and snow. All tyres should have the Michalin MXT tread pattern.

Novices, whites and yellow grade drivers may use road tyres 155 x 13 x 70.

Tyre testing is ongoing.

10. Batteries

Batteries must be securely clamped in place and covered with a leak proof material to prevent spillage of acid. They may be fitted under bonnet, in passenger foot well or behind the driver. But the floor cannot be cut to accommodate them. They must be fitted at least 6" from the fuel tank. An electrical cut off switch must be fitted and working to the R/N/S 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. Self starter motors must be fitted and in working order at all times.

All wiring must be securely fastened and kept away from fuel lines as much as possible.

11. Wiring

Two brake lights must be fitted at the top aperture of the rear screen and work. Electrical cut off switches **MUST** work, (cars will be failed if switch does not work), marked ON/OFF must be fitted to the R/N/S corner of the car.

12. Roll Cage

NO alloy cages or part cages allowed. The all steel roll cage will consist of the following 1 x front hoop, 1 x rear hoop, 2 connecting bars, 1 x dash cross bar, 4 x chicken bars, (2 drivers side, 2 passenger side). An additional bar may be put on to the cill but this does not count as a chicken bar. Remove inner door skin to put the bars in, the two on the driver's side must be fitted into the door, you may also fit a bar on the cill. 2 x rear diagonals (these must stop at least 4" from rear of car internal rear panel).

The roll cage **MUST** have 9" square plates welded to the base of both hoops and welded to the hoop and floor of the car. All joints must be welded and not clamped. The roll cage must not protrude through the bulkhead or any other structural part of the vehicle. The minimum thickness of steel for the roll cage are 1.25OD 10swg (3mm) tube or 1.5"OD 12swg (2.5mm) tube or 1.5" x 1.5" 10swg (3mm) box.

Centre bar must be welded into place between front and rear loop above the driver, running down centre of car. Plus a 3mm steel plate must be welded in the aperture above the drivers head.

13. Safety Belts and Equipment

A full five point buckle release harness (including Nascar type) with sub strap must be fitted and bolted to the floor and/or the roll cage. Shoulder belts with a sternum protection latch are highly recommended. The sub –strap must be used at all times and all belts must connect to the quick release buckle. In the case of Nascar lever latch buckles it is advisable to fit a secondary means of detent to prevent overall sleeves accidentally unhooking buckles during racing. A small section of tubegrip elasticated bandage slid over the hooked buckle serves this purpose. Special attention must be paid to the condition of seat belts and fixings once fitted. An extra bar is to be fitted to roll cage behind driver's seat approx 4" below shoulder height of driver. Your seat belts may be fixed to this bar. The bar is to be of roll cage material specification.

Please refer to chapter three for the correct fixings for safety belts.

Neck braces are **MANDATORY**.

Fireproof balaclavas **MANDATORY** and must be marked appropriately.

Fire retardant gloves are **MANDATORY** and must be marked appropriately.

14. Seats

Competition seats only must be used. If the seat is fitted direct to floor pan, extra strengthening to floor panel must be used. The driver's seat should be bolted or welded to the floor, The back of the seat must be adequately supported and provide a strong head restraint, fitted as high as the top of the driver's head and 2/3rds of the width of the back of the seat.

15. Screens

No glass is allowed in any aperture all glass must be removed from the vehicle. A centre bar minimum size 1" x 1" must be fitted to the centre of the driver's windscreen.

16. Silencers

Cars must be fitted with the original, as manufactured, complete and standard exhaust system or a Fordson Major box, part number E1ADDN 532A. The tail pipe must exit rearwards pointing downwards. No competition exhaust systems.

17. Roof Colours

See Chapter three.

18. Numbers

See Chapter three.

19. Overalls

See Chapter three

20. Helmets

See Chapter three.

21. Fire Extinguisher

See Chapter three.

22. Window Nets

See Chapter three.