

## **SKEGNESS RACEWAY JUNIOR RODS (VAUXHALL) 2023**

***The use of Vauxhall cars will finish at the end of the 2024 season.***

***No new builds for 2024***

**If it doesn't say you can do it .... You cannot do it !!!!!**

**Checks can be carried out at any time on any part of the car, and regardless of the situation with other cars, BOC decisions will be taken on the status of your car only. Please note it is your responsibility to present a legal (to the current spec) to race. **New build cars, must have a technical inspection before being presented for racing.****

This formula is a non-contact formula for drivers from the age of 11yrs to end on their 16<sup>th</sup> 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.**

Black crosses will be used for excessive contact and jumping starts, which may well result in docked places.

**It is the responsibility of the Drivers parent or guardian to make sure the car is presented for racing to the correct specification.**

***All Drivers must now use a Raceiver, a radio that allows the meeting steward to speak to all drivers.***

### **Definition of a Junior Rod**

A non-contact formula using UNMODIFIED Vauxhall Nova, Corsa with 1000cc Nova engine and running gear, 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. **Eligible cars Vauxhall Nova (from 2019 no new builds), Corsa B, Corsa C (no new builds from 2024)**

Weights - a minimum of 650 kilos, a maximum of 750 kilos and an inside weight of 53 per cent

## 1. Engines

Only 4 cylinder inline 8 valve engines 1000cc will be allowed. Re-facing of cylinder head to 60thou max is allowed as is facing of the block on the gasket surface. Maximum re-bore 60thou max oversize. The oil filter and housing may be removed and a blanking plate fitted.

No performance pistons, conrods or any other performances 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.

**Flywheel may be skimmed to 5 kilos.**

## 2. Carburettors

Only carburettors fitted as original will be allowed, no aftermarket products. No alterations are allowed apart from jets are free and maybe drilled. Polishing is not allowed, manifolds and distributors must remain as standard.

## 3. Distributor

**You may use a spark module in the distributor to replace the standard points and condenser. The points and condenser may ONLY BE REPLACED using Power spark Electronic Ignition kit 4 cylinder right hand Bosch part number 009 034 050. This may only be run in conjunction with a standard points ignition coil (non ballast type) no sports ballast or high energy coils are permitted. Standard points and condenser may still be used.**

## 4. Gearbox

All gearboxes must remain as standard no l.s.d. or welded diffs allowed.  
Any gear ratio or final drive ratio allowed

## 5. 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.

Remove steel from rear of front bumper

All plastic scuttle panels to be removed and replaced by steal of max 2.5mm thickness. Must be welded or bolted. This is a safety item.

Fitting of Front Bumpers On all Junior Rods, the front bumper is NOT allowed to be attached using either box section or angle iron. Box section is definitely NOT allowed to be inserted up the chassis rails Bumpers are to be attached using 2, L shaped brackets, made of 50mm wide flat steel, 3mm thick. The 2 faces are to be no longer than 100mm each (4 inches). Checks will be carried out at upcoming meetings so please make sure your cars comply.

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. **Headlight blanking to be removed.**

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

**Bumpers from Nissan Micra may be used as a replacement.**

## 6. Suspension

No negative camber.

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

Back axle must remain on original mounts.

Wheelbase must remain as standard (race damage at scrutineer's discretion).

Wheels must remain at manufacturer's position.

### **Springs are now free.**

To keep the spring in place you may use cable ties, a touch of weld from the spring to the rear axle or a nut and bolt.

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 shockers and springs

Nearside front wheel 1 inch camber is allowed.

Corsa rear axle may be cut down to fit the nova.

## 7. Brakes

Brakes must be complete and working on all 4 wheels. Handbrakes must be fitted and working. **ABS is not allowed.**

## 8. 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.**

## 9. 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. Tank needs to be metal with filler caps made 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 pipe. 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.

**Petrol Tank covers The fuel tank must be covered in a nonflammable material box covering 3 sides and top and leave one side open, i.e. Imagine an upside down shoe box, the long uncovered side should be fitted with this opening facing the rear of the car.**

## 10. Tyres and Wheels

Standard wheels 5 ½ J only. The only wheel with camber allowed is front passenger wheel which may have up to 1 inch

No Minilight wheels allowed

Up to a max of 175 x 70 x 13

**(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 mud and snow.**

### **11. 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.

### **12. Wiring & Stop Lights**

***Two brake lights must be fitted at the top of the rear screen aperture. Minimum size of 2ins square or 2ins round LEDS.***

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.

### **13. Roll Cage**

The roll cage must be a minimum size of 1 ¼" OD (32mm) that's 3mm wall steel tube or box section that is 40mm by 40mm that's 3mm wall. No alloy or titanium. All joints must be welded to a minimum of 90% of the joint.

The roll cage must consist of one rear hoop (A) and one front hoop (B). 3 roof connecting bars (C) one either end of the roof and one in the centre all connecting the front hoop to the back. Between the centre bar and the bar on the drivers side there must be a cross fitted (D) or a steel plate that is 3mm thick that covers the whole square. One dash bar (I), two bars going straight across the rear hoop from one side to the other at the bottom of the hoop (E) and one at shoulder level (F) to mount the seat to. Two rear downward bars (G) going from each corner of the rear hoop to the rear floor of the car. G bars may now reach to the rear of the car as with the H bar.

One bar across the rear struts (H). Both sides must have a bar running from the front hoop foot to the rear hoop foot running across the sill (J). Chicken bars consist of one lower (L) a minimum of 3 inches above the floor bar and one top bar (M) with a minimum of 2 connecting upright bars between the two chicken bars (N).

All new builds must have the roll cage mounted on top of the sill and to be sat on 6 inches (15cm) by 6 inches (15cm) steel plates 2mm thick and older cars that are mounted to the floor must be sat on steel plates 9 inches (23cm) by 9 inches (23cm) that's 3mm thick. The only bars to protrude the bulkhead are two bars that support the turret tops but must not be attached to the shockers.

In the diagram the dotted box marked (P) is to show the location on the fuel tank.

**A footplate must be fitted with a minimum of 6x 10mm (spanner size 17mm) bolt, nut and washers**

### **14. 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.

Steering Wheels, The Centre of steering wheel must be covered in.

Neck braces are **MANDATORY. ( Not Horseshoe types)**

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

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

Window nets are **MANDATORY**

(4).

#### **15. 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.

#### **16. 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.

#### **17. Silencers**

Cars must be fitted with the original, as manufactured, complete and standard exhaust system or a **Brisca F2 type or Fordson Major box**, part number E1ADDN 532A. The tail pipe must exit rearwards pointing downwards. A heat resistant tape may be used on the exhaust manifold in the engine bay and on the down pipe. No competition exhaust systems. **Cherry bombs and no cherry bomb types are allowed.**

#### **18. Helmets**

***Helmets must be of a minimum standard as directed by British Oval Racing Safety Executive (B.O.R.S.E). These are FIA8860-2004, Snell SA2005, Snell SA2010, SFI Foundation***

***31.1A, SFI Foundation 31.2A. The E2205 European standard helmet may be used in Fibreglass, Carbon or Tri-Composite form only i.e. NO POLYCARBONATE helmets are allowed. It is important that the helmet fits the driver correctly. Shatterproof goggles/visors must be worn although tinted visors are not advisable. Your helmet must display the current ORCi (ORC15) sticker***

KOH cage Diagram

