

## **2021 Evergreen Raceway NOVICE FOUR CYLINDER RULES:**

The Novice Four Cylinder class rules will mirror the regular four cylinder rules however intended for racers that new or just starting out in full size cars or with very limited experience.

The intent of this class is to provide the entry level racer with the opportunity to compete in an absolute entry level division, in compact cars similar to many of the domestic and import autos found on the road today. Furthermore, this division will provide all participants an opportunity to experience the thrill of competition and victory. This class will also familiarize drivers with the basic rules and race procedures that they can expect in all racing divisions. Any driver to win (1) Novice race will not be able to compete as a novice the following season unless officials agree the driver needs more experience.

### **BODY**

1. Any domestic or foreign four cylinder passenger 2 or 4 door car with a maximum wheelbase of 104 inches. Wheel base from left to right must be equal. This will be measured from front to rear. No convertibles, mini vans, supercharged or turbo charged vehicles allowed. Rear wheel drive vehicles will be permitted.
  2. No 2-seaters, No CRXs.
  3. All non-metal interior trim must be removed. Dashboard may remain, and can be covered with sheet metal.
  4. Bodies must be strictly stock with no excessive gutting of interior sheet metal, except for door bar installation.
  5. Doors must be welded or bolted shut.
  6. Hood and trunk/hatches must be secured with easy open fasteners or pins.
  7. Full stock floor, trunk floor, firewalls and rear wheel wells must remain intact. Holes may be covered with sheet metal. If fuel cell is mounted in trunk, must have rear firewall made of minimum 22 gauge sheet metal, to separate from drivers compartment.
  8. All glass must be removed except for front windshield which may be replaced with lexan or 1 inch maximum square wire screen. Must have (3) vertical support bars, minimum 1 inch by 1/8 inch, in center of windshield area and not less than 4 inches apart.
  9. Stock bumpers and bumper covers only. NO sharp edges on bumper ends.
  10. All plastic trim, moldings, and marker lenses must be removed.
  11. No inside or outside rear view mirrors.
  12. No excessive gutting of stock body components. (hood, hatch, doors, roof, etc.)
  13. Vehicle and block identification number (VIN) tag- MUST remain intact.
  14. Vehicles with T-tops or sunroofs must have roof openings sealed off with 16 gauge sheet metal.
- NOTE: STOCK means the way it was originally equipped from the factory!

### **ROLL BARS**

1. Minimum 1 1/2" X .120" or 1 3/4" X .095" round steel seamless (or DOM) tubing mandatory. Roll cage must be attached to unibody with no less than 1/8 inch steel plate. Plates must be minimum of 8 inches x 8 inches.
2. All cars are required to have a rear vertical hoop behind and above the drivers' head, connected to the left and right front roll bar legs by a roof hoop.
3. The front roll bar legs must follow the contour of the windshield post and cowl.
4. Maximum distance from the windshield to the rear of the roll bar should be no more than 4".
5. A diagonal bar from the top left to the bottom right must support the vertical rear hoop.
6. A roll bar must connect the left and right of the rear vertical hoop at seat height and across the floor pan at the bottom.
7. An additional bar must be installed at dashboard level, extended from the left front roll bar leg to the right front roll bar leg.
8. Roll cage must be full perimeter, no offsetting of cages.
9. A minimum of (3) door bars on the left side and (2) door bars on the right side must be used.
10. Door bars must be convex in shape, and extend into the door panels.
11. Door bars must be attached to each other and the frame with vertical bars. Minimum of 1/8" X 1" gussets must be welded into all main cage joints and drivers' door bars.
12. Minimum 1" diameter steel tubing welded directly to the cage must support the drivers' seat.

13. 3" lap belts and 3" shoulder harnesses in a five point harness fashion are mandatory.
14. Crotch belts are MANDATORY.
15. All belts and harnesses must be securely fastened to the cage (harness must be attached below shoulder lever).
16. All belts must be un-frayed and in good appearance.
17. Racing seat mandatory. Roll bars in the drivers' area must be padded.
18. Headrests and drop-down style window nets are mandatory.
19. Front hoop allowed and may attach to front strut towers with uprights. No exposed bars attaching bumper to front hoop. There is no reinforcing of the front bumper.
20. Rear cage supports may extend into the rear of the frame.
21. Plating of driver side door bars HIGHLY RECOMMENDED.
22. Rear hoop required to protect fuel cell if cell is located in trunk area.

### **RUB RAILS**

1. Rub rails allowed between wheel base only. Front and rear of rail must be at same height.
2. Rub rails may not extend out more than tires.
3. 1 ¾ inch round tube maximum, no lower than center of hub and no higher than tire.
4. Nerf bars must be securely attached to roll cage.

### **SUSPENSION**

1. Suspension components and mounting locations must remain absolutely stock for year, make, and model of car being used, with the following exceptions: The front suspension mounting points of the upper control arms or struts may be moved, or the upper control arms may be lengthened or shortened. No altering of the rear components. If the mounting points are moved, the control arm may not be altered. If the control arm is altered, the mounting points may not be moved. Camber kits may be used. In any case, the lower control arms on both the front and rear suspension must remain stock and unaltered, along with the mounting points of the lower control arms. Track Officials reserve the right to implement other methods for adjusting camber on vehicles that have suspension systems which are not typical of those already being used in competition. In all cases, any modifications will be minimal and designed to affect camber only.
2. Heavy duty stock mount shocks or struts permitted.
3. Springs may be altered.
4. Springs must mount in factory mounts with no spacers, J-hooks or any type of hold down.
5. No cutting, heating, altering, or modifying of any other suspension parts allowed.
6. All cars must maintain a 4 inch minimum frame height.
7. Maximum of 3 inches Camber in the front wheels. Maximum of 1 inch of Camber is allowed in the rear suspension. Have tech official check at scale pad if you are unsure BEFORE you race.
9. The left rear Shock/Strut can be chained.

### **TIRES AND WHEELS**

1. Aftermarket steel wheels allowed. Maximum 7 inch width.
2. No less than a 2 inch backspace allowed on any wheel. On vehicles with engines mounted on the left side of the chassis(as viewed by the driver seated in the driver's seat), the offset must be the same on all four corners. On vehicles with engines mounted on the right side of the chassis(as viewed by driver seated in driver's seat), the offsets must be the same from front to rear but may be different from side to side.
3. No aluminum wheels allowed.
4. No wheel spacers permitted.
5. 1 inch lug nuts mandatory. Thread should be exposed on outside of lug nut.
6. 14 inch wheels only
7. 14 inch track tire only. Hoosier track tire or DOT tires (60 series max, summer tread).
8. No shaving or softening of tires allowed.
9. DOT tires are allowed, 60 series max, summer tread 300 minimum wear

### **ENGINE**

1. Engine size and specifications must be stock for year, make, and model and utilize stock OEM engine

mounts.

2. Absolutely NO aftermarket or high performance parts allowed with the exception of cold air intakes, which may be used but must remain in the engine compartment.
3. No machining, grinding, porting, gasket matching, etc. of any engine component.
4. Engine and engine components must be STOCK.
5. OEM fuel injection or carburetor for year, make, and model.
6. Engine computers must be stock for year, make, and model.
7. No carburetor spacers or adapter plates permitted.
8. ALL CARS with compression levels 25 psi over stock listing, will be issued a restrictor to be installed in the air intake piping. This restrictor is being issued by Evergreen Raceway at their expense (1 restrictor per car) as a way to not forward any cost to the driver. Any attempt at altering this restrictor will result in a DQ and loss of payout for the event. Repeated offenses of altering the restrictor, the driver will risk loss of points for the season. Defaced or replacement restrictors will be accompanied by a \$10 fee. Evergreen also reserves the right to alter the restrictor or add weight for cars as needed.

### **FUEL SYSTEM**

1. Fuel cells are mandatory if factory gas tank is mounted behind rear wheels.
2. 12 gallon maximum fuel cell permitted. Cell must be mounted on top of trunk floor, as far forward as possible and be centered in car. Cell should be secured with (4) one inch x 1/8 inch steel straps- 2 front to rear, and 2 left to right- with large washers or 1/8 inch thick plates on underside and minimum 3/8 inch bolts.
3. Fuel pump shut off switch MANDATORY. Must be accessible from both sides of car and be painted a bright color. Must be clearly marked FUEL ON-OFF. Fuel pump shut off switch MUST kill power to fuel pump AND ignition. Switch will be tested periodically during season. Carbureted engines must have a fuel shut off valve and be clearly marked.
4. Electric fuel pumps must match OEM specs for fuel pressure.

### **DRIVE TRAIN**

1. Stock automatic or standard transmission for year, make, and model.
2. Stock torque converter for automatic with stock steel flex plate.
3. Stock steel flywheel and clutch assembly for standard transmission.
4. No machining of any drive train parts.
5. One inch inspection hole required in bell housing.

### **EXHAUST SYSTEM**

1. Stock exhaust manifold only for year, make, and model.
2. Stock type muffler or 2.5" cherry bomb only. Must be able to remove muffler during post-race inspection.
3. Single exhaust only. Must exit behind driver.
4. Exhaust pipe diameter- 2.5 inches maximum

### **BATTERY**

1. Battery may be located in drivers compartment but must be enclosed in spill proof container and be secure. Container must have spill or splash cover.
2. If battery is relocated, it must have a battery disconnect switch mounted in plain view, marked ON-OFF, and painted fluorescent orange.

### **ADDITIONAL**

1. Aerodynamic enhancements will be permitted. Front air dam and side skirts allowed. Must be rubber or aluminum. (no fiberglass)
2. Rear wing or spoiler allowed. (Subject to tech approval)
3. Transponder location will be determined by tech Official.
4. Brakes on all four wheels must be operational.

## **WEIGHT**

**Weight MUST be displayed on right front fender! NO EXCEPTIONS! Readable from 5 feet away.**

Acura RSX(02-06) Vtec 160hp	2450lbs
Acura RSX Type S(02-06) Vtec 200-210hp	2600lbs
Acura Integra(94-01) B18 Non Vtec 142hp	2350lbs
Acura Integra(94-01) B18 Vtec 176hp	2500lbs
Acura Integra(90-93) B18 Non Vtec 138hp	2350lbs
Acura Integra(90-93) B17 Vtec 158hp	2450lbs
Chevy Cavalier(95-05) 2.2 SOHC 120hp	2300lbs
Chevy Cavalier(95-05) 2.2 DOHC Ecotec 140hp	2350lbs
Chevy Cavalier(95-05) 2.4 DOHC Quad4 150hp	2400lbs
Dodge Neon(96-06) SOHC 132hp	2350lbs
Dodge Neon(96-06) DOHC 150hp	2400lbs
Ford Escort ZX2(98-03) 130hp	2350lbs
Ford Focus(00-07) 127hp	2350lbs
Ford Focus SVT(00-07) 167hp	2450lbs
Honda Civic(92-00) D16Y8 Vtec 127hp	2350lbs
Honda Civic(92-00) D16Z6/7 Vtec 130hp	2350lbs
Honda Civic(92-00) B16A2/3 Vtec 160hp	2450lbs
Honda Civic(06-11) R18A1 Vtec 140hp	2350lbs
Honda Civic(06-11) K20Z3 Vtec 197hp	2600lbs
Honda Prelude(92-01) H22 Vtec 187hp	2550lbs
Honda Prelude(92-01) H23 Non Vtec 158hp	2450lbs
Honda Prelude(92-01) H23 Vtec 197hp	2600lbs
Honda Prelude(92-01) F22 Non Vtec 133hp	2350lbs
Saturn SL2(90-02) DOHC 124hp	2350lbs
Toyota Celica GT(89-99) 125-135hp	2350lbs
Toyota Celica GT(00-04) 1ZZ-FE 140hp	2350lbs
Toyota Celica GTS(00-04) 2ZZ-GE 180hp	2550lbs
Toyota Celica GTS(00-04) ZZZ231 192hp	2600lbs

### **Maximum 56% left side weight.**

Maximum car base weight 2800 lbs.

Any lead ballast must be securely mounted within the wheelbase and painted white with the car number on it.