

2011 4-CYL Rules - v1.00

1. CARS: Any passenger car with a maximum wheelbase of 104 inches measured at track with 1-inch tolerance. Car must be 10 years old or older. Front wheel or rear wheel drive, no 4x4's allowed. Automatic or standard. No convertibles. Complete car must remain OEM STOCK. NO MODIFICATIONS OF ANY KIND.
2. BODIES: All upholstery, chrome emblems and glass must be removed. Doors must be welded shut. Holes in floor or firewall must be covered. No removal of any other components or parts. No gutting of metal, this includes hoods, trunks and hatches (Except on inside of doors for door bars). Factory door plate must remain in place.
3. TIRES: Maximum 205 width. Any aspect ratio (75,70,65,60,55 or 50) and rim size. No racing or aggressive tire allowed. M+S RATING ACCEPTABLE. No altering, grooving etc. of tires. Rounding or pounding out fenders to allow for tire clearance allowed. Min. tire pressure right side must be 30 PSI, Min. tire pressure left side must 25 PSI, before race starts.
4. BRAKES: all 4 wheels must lock up.
5. DIFFS AND TRANSMISSIONS: spider gears in differential may be welded. No gutting of transmission, it must function in all gears.
6. ENGINES: OEM stock 4-cyl or 3cyl engines only. Maximum HORSEPOWER 140, Maximum TORQUE 140. (Factory Specs) Engines used must be 10 years old or older. Interchange of motors allowed within make & model only. No rotary motors. No RX7s. Carbureted or fuel injection. Exhaust must be directed under car. (NO MODIFICATIONS TO ENHANCE H.P. i.e. Computer chips)
7. BUMPERS: Must remain OEM stock and must be on car at the beginning of the race, (no sharp edges)
8. WINDSHIELD: Windshields must be removed and a heavy gauge screen or four 1/4-Inch bars mounted in front of driver (top to bottom of window). DRIVERS WINDOW NET REQUIRED
9. ROLL CAGE: The minimum roll cage allowed is one continuous hoop behind the drivers seat from the left floor to the roof, across the top and back down to the right side of the passenger seat; one bar to run from top left of main hoop to bottom right of hoop and from top right to bottom left. One bar to run behind driver's seat for mounting seatbelts and seat. Two front roof bars of the same material as the main hoop to connect at the top of main hoop and extend forward to top of front window with an approximate 30° bend down toward lower part of the front window with an approximate 60° bend and connecting to the floor in the same place as the other bar. **One center roof bar to run from windshield cross bar to main hoop.** Two crossbars are to run at the top and bottom of front window. All bars must be .095 x 1.66 (1- 5/8 inch) round steel tubing only. Bars must tie into frame or a steel plate (min. 36 square inches per floor plate) bolted or welded to the floor or rear seat riser. **Minimum plate thickness is 1/8 steel. A minimum of two (horizontal) door bars (12 inches apart) connected to the main cage with five vertical bars equally spaced between them on driver's side mandatory. Crush bar to be mounted from top hoop to top horizontal door bar. Passenger side crush bar to be mounted from top hoop to floor plate. If existing cage has a door bar ON PASSENGER SIDE crush bar can be mounted from top hoop to door bar.** Bracing allowed between rear strut towers i.e. x-brace. One doorplate mounted on the outside of the driver's door **optional**. (Passenger bars or plate optional) must extend 6 inches past the door in either direction and centered on door. **Doorplate must be made of 1/4-inch flat steel x 12-inches wide. No grader blades etc. Must be bolted in 4 spots equally spaced with 1/2-inch bolts and washers through doors/fenders. (see diagram) NOTE: All bars must be properly welded and gusseted. This is the minimum cage required. Additional bars may be used for safety reasons only. (Cage must pass tech before being allowed to race).**

9.1 ROLL CAGE, SUB FRAME CONNECTORS AND KICKERS

Roll Bar, Sub frame connectors, front and rear Kicker bars **as per diagram**. Seats must tie into the base of the roll cage as per diagram. Front kicker bars cannot go past radiator cradle. Rear kickers cannot go beyond 6" past strut towers to allow a crush zone. All kickers both front and rear as well as frame connectors must be made of round tubing .095 x 1.625 (1-5/8). Front and rear kickers are optional, but are strongly recommended to increase chassis integrity.

PLEASE REFER TO DIAGRAMS ON NEXT PAGE



10. SAFETY: Racing approved aluminum racing seat is mandatory with a minimum of four 3/8 bolts. Two to the lower seat mount as per diagram and two to the roll bar hoop or back bar. No factory seats or fiberglass seat allowed. Window net mandatory, secured to cage only; not body. Eye protection, Full Face Helmet 2000 SA, 5 point harness 3 year or newer, fire proof race suit, also mandatory. Fire proof gloves, neck-brace and shoes recommended.
11. BATTERY: must be securely mounted in engine compartment.
12. FUEL SYSTEM: Pump gasoline only. Stock tanks in original position position or one safety approved boat tank only (plastic or metal). Maximum fuel capacity 25 liters (6.6 US gal). Fuel tank mounted as close to the rear firewall as possible in the trunk area. Trunk area must be closed off from drivers compartment. Tank to be held down with two one-inch straps. Fuel line running through car must be steel; max 3/8-inch. After-market electric fuel pumps allowed. Must have a shut-off switch clearly marked within the driver's reach.
13. HOOD. Must have a 10 inch hole above engine in case of a fire.
14. SUSPENSION: Must remain OEM. NO modifications of any kind.
15. Protest Rule \$70 US or \$100 CND: Will include removal of the exhaust manifold and one valve cover and spark plugs. (If further inspection is required, the Tech Officials may ask for the removal of a cylinder head. This may be done at a location of the driver's choice). Protest must be made prior to the start of the A-main. Only, a driver in the same race may protest (money given to a Tech Official)
16. ILLEGAL PARTS: ALL VEHICLE AND COMPONENT (MOTOR, TRANSMISSION ETC.) IDENTIFICATION NUMBERS MUST REMAIN INTACT FOR THE PURPOSE OF TECHING. REMOVING THESE #'S OR HAVING ILLEGAL PARTS WILL RESULT IN A DISQUALIFICATION AND A FINE UP TO \$1000 AND OR SUSPENSION UP TO ONE YEAR AND LOSS OF POINTS (YTD).