



## 4-Cylinder Rules

**New for 2016 transponders: Transponder must be mounted on the passenger side floor at the seat brace. Make sure there is no obstruction between transponder beam and ground.**

NOTICE: PLEASE NOTE THAT THIS CLASS IS REQUIRED TO COMPLY WITH ALL RULES SECTION 1 THRU 5. THE TOP 3 IN EACH QUALIFYING EVENT AND THE TOP 5 IN THE FEATURE MUST SCALE.

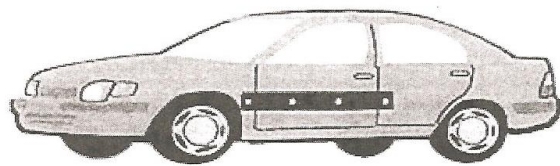
1. **CARS:** Any passenger car with a maximum wheelbase of 102 inches measured at track with 1-inch tolerance. Car must be 10 years old or older. Front wheel or rear wheel drive; no 4x4's allowed. Automatic or standard. No convertibles. Complete car must remain OEM STOCK. NO MODIFICATIONS OF ANY KIND.
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 and trunks, hatchbacks. Except on inside of doors for door bars) Factory door plate must remain in place.
3. **TIRES:** Maximum 195/60 or 205/70 no 50 series tires. (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 be 25 PSI before race starts.
4. **BRAKES:** all 4 wheels must lock up
5. **DIFFS** and Transmissions Spider gears in diff may be welded. No gutting of transmission it must function in all gears.
6. **ENGINES:** OEM stock 4-cylinder or 3-cylinder 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 and 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 NETS REQUIRED
9. **ROLLCAGE:** The minimum roll cage allowed is one continuous hoop behind the driver's 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 top 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 steer. A minimum of two (horizontal) door bars (12 inches apart) connected to the main cage with five vertical bars equally spaced between them drivers side mandatory. Crush bar to be mounts from top hoop to floor plate. If existing cage has door bars 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. (Roll cage must pass tech before 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 can not 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 0.095 x 1.625 (1-5/8) front and rear kickers are optional, but are strongly recommended in increase chassis integrity.

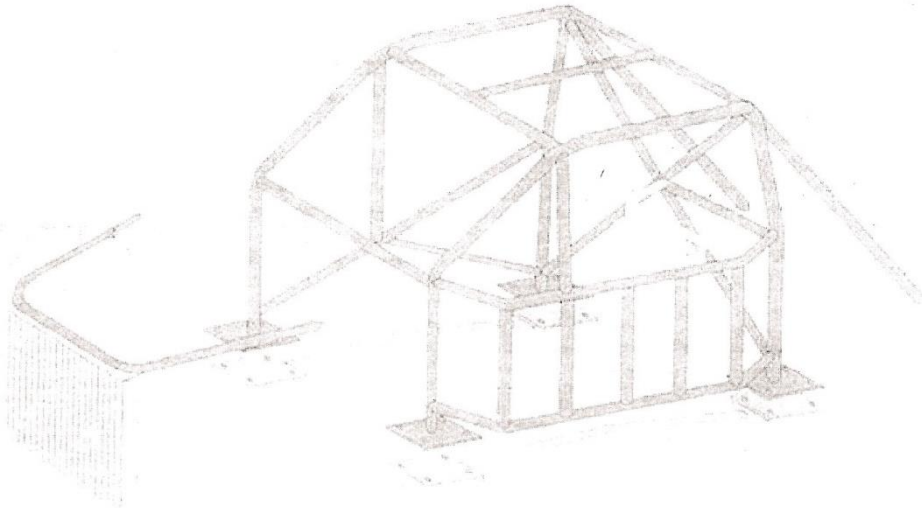
PLEASE REFER TO DIAGRAMS ON NEXT PAGE



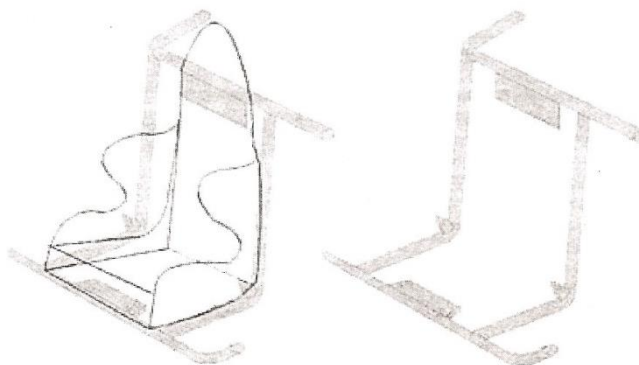
10. **RACING SEAT:** Racing approved aluminum racing seat is mandatory with a minimum of four 3/8 bolts, two to the tower seat mount as per diagram and two to the roll bar hoop or back bar. No factory seats or fiberglass seat allowed.
11. **BATTERY:** Must be securely mounted in engine compartment.
12. **FUEL SYSTEM:** Pump gasoline only. Stock tanks in original position or one safety approved boat tank only (plastic or metal). Maximum fuel size 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 driver's 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 plug. (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 VEHICAL AND COMPONET (MOTOR, TRANSMISSION ETC) IDENTIFICATION NUMBERS MUST REMAIN INTACTED FOR THE PURPOSE OF TECHING. REMOVING THESE #S OR 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).

#### 4 CYLINDER ROLL CAGE



#### 4 CYLINDER SEAT CONNECTOR



#### 4 CYLINDER SUB FRAME CONNECTORS

