



Ventura Racing Association

SPORT COMPACTS 2010

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Preface

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules will govern the condition of all events and by participating in these events all members are deemed to have complied with these rules. No expressed or implied warranty of safety will result from the publication of or compliance with these rules and/or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participants, spectators or others.

VRA reserves the right to amend by addition or deletion any rule by notifying members, in writing or posting at the track office same changes, at least seven days prior to implementation of said addition or deletion. Rules involving safety may be imposed immediately.

Rules will be imposed as written. It is your responsibility to be familiar with all rules. Official's decision shall be final in all cases.

Mailing Address

2810 West Wooley Road
Oxnard, CA 93035-2540
For Rule Information
Raceway Office (805) 985-5433
Raceway Fax (805) 984-3095
Raceway Track (805) 648-RACE

Track located at

Seaside Park
Ventura County Fairgrounds
10 West Harbor Blvd.
Ventura, CA 93001
off the 101 Freeway



www.VenturaRaceway.com

Sport Compact Rules

1. Safety

- a. Five-point harness mandatory. Five point harness must be mounted to roll cage. Full SFI Rated fire suit mandatory. May be two piece. No holes, torn or worn material allowed. Must be clean and neat appearing. Drivers must wear fire proof driving gloves during all on track activities.
- b. Window net mandatory, mounted to roll cage top and bottom. No string-type nets. See technical illustrations for proper mounting.
- c. Two drive shaft hoops, 1/8 inch by one inch minimum required. Equivalent size chain okay.
- d. Drivers must wear helmet with face shield or goggles, approved by the Snell Memorial Foundation, S or SA, 2000 or newer with Snell sticker attached. No "M" rated helmets allowed.
- e. Fire extinguisher mandatory, and must be securely mounted within driver's reach (must not be taped). Must be certified for year of use prior to car's first race of season.
- f. All safety equipment must be up to date and approved by the tech official. Seat belts within 2 years of date of manufacturer.

2. Models

- a. Competing models, any compact sedan, station wagon or pickup truck foreign or domestic 1995 model year or older. No two seater sport cars or rotary engines allowed. Four (4) cylinder motors only. No factory limited production or after market specialty car models allowed.
- b. All cars must remain stock for make and model as produced and sold by manufacturer. All replacement parts must be stock or equivalent.
- c. Wheelbase no less than 95 inches, not to exceed 110 inches as produced by the manufacturer.
- d. Weight must be no less than 1 lb. per cc including driver.
- e. No all wheel drive cars. Rear wheel drive cars only.

3. Body Parts

- a. Body must be complete. No cutting or altering of chassis components or body. Door must be bolted or welded to each side, B roof pillars must be present, and complete, on all cars that came with one. Subject to tech approval. Hood and deck lid pins are mandatory. Tethered to body by a cable. Wheel openings may be enlarged slightly in order to fit proper sized tires on car.
- b. Wheel wells may have a maximum clearance of 3 inches. Fenders must have rolled edges and show good workmanship.
- c. Stock bumpers. Any front or rear bumper, make to make, mounted in stock location okay. Crash bars and reinforcing are not allowed.
 1. Must have front and rear bumper straps minimum four (4) inches wide and 1/8 inch thick and must be safety chained.
 2. Bumpers must be bolted to stock brackets, and to frame horns. Any non-stock bumpers must be pre-approved by tech.
- d. No cutting of any sheet metal, interior or exterior except for installation of door bars. Full uncut floor pans and trunk floor panels.
- e. All interior upholstery must be removed. All plastic dash pieces may be removed. Metal dash may be removed.
- f. Driver seat must be racing type metal seat. Seat must be securely mounted to roll cage, with six (6) 3/8 inch grade eight (8) bolts. A properly designed and mounted headrest must be located behind driver's head.
- g. Exterior trim must be removed.
- h. All exterior lights must be removed.
- i. All glass must be removed.
- j. All mirrors must be removed.
- k. Windshield of minimum 1/4 inch steel mesh screen, must span entire window opening. Securely mounted with metal fasteners. Minimum of two window straps must be constructed of minimum 1 inch by 1/8 inch steel strap mandatory.
- l. No adding of weight unless directed to do so by Tech Director if the car comes in under weight. Weight may be added only to approved locations. All added weights must be painted white and marked with the car number (i.e. PS 22).
- m. Fuel cells mandatory, must be installed in trunk and must be enclosed in a sealed 18 gauge steel box. Minimum of four straps of 1/8 inch by 1 inch must secure the box top and bottom both lengthwise and widthwise. Cells must be sealed off from drivers compartment. No bottom loading or exiting fuel lines! All fuel lines must exit the top of the fuel cell!
- n. Fuel cell must contain either foam or a fuel bladder. It must have a ground strap properly installed, and proper fuel cap. Fuel lines installed through drivers compartment must have no less than 1/2 inch steel tubing, sealed with no connectors in drivers compartment.
- o. Rear firewall separating drivers compartment must be completely sealed and constructed of 20 gauge steel metal and must be in stock location.
- p. All holes in front and rear firewall must be covered with a minimum of 20 gauge sheet metal.
- q. Body parts must be neat and well painted.

4. Roll Cage

- a. Six point roll cage around the driver is mandatory with front and rear braces over the driver. Must have a minimum of three door bars on both sides of the car. One diagonal bar running from top left corner to top right rear corner mandatory.
- b. **Minimum 1-1/2 inch steel tubing .095. Maximum 1-3/4 inch .095.**
- c. Roll cage must be welded to frame. Roll bars for unibody construction without frame must be attached to floor with no less than 1/4 inch thick plate, bottom and top, and be at least six inches square, four 1/2 inch diameter bolts required per plate.
- d. All welds must be gusseted.
- e. Any roll bar in contact reach of driver's body parts must have roll bar padding neatly and securely attached.
- f. No rollbar or supports in front of firewall. Simple front hoop (see diagram on tech page) okay. Can be no wider than to inside of wheel and no further forward than 3" beyond radiator.

5. Wheels, Tires and Brakes.

- Maximum tire size is 205x70x14" or 13". No 60 series tires are allowed. Tires must be DOT rated and have a maximum MSRP of \$70.00 or less per tire. Retreading of tires is prohibited. Must run same size wheel on all four corners. All cars in the class must run four (4) track approved tires at all times.
- Maximum rim width of seven (7) inches. After market wheels okay.
 - After market wheels must maintain factory spacing and offset with same offset all four wheels
 - All four mounted tires must be of same size (13" or 14")
 - All cars must have four working stock brakes. No altering.
 - Only cars which came with 15 inch rims from factory may run 15 inch tires. They must keep to the maximum tire size rule of 205x70.
 - Minimum tire pressure of 20 psi cold before each event.

6. Chassis

- Chassis and suspension must remain stock for make and model as produced by manufacturer.
- No modifications, customizing, or alterations of any kind. No sub framing or stiffening of chassis of any kind.
 - Must remain stock for make and model as produced by manufacturer.
 - Must use stock springs. Spring rubbers allowed. No welded or steel inserts.
 - Any stock type shock allowed if mounted in stock location using stock mountings.
 - Maximum negative or positive camber two (2) degrees. Maximum chassis lead may not exceed one (1) inch from side-to-side from original manufacturer's specifications. Can weld a stop to limit camber to a maximum of two (2) degrees.
 - Minimum ride height three (3) inches as measured left to right at lowest part of chassis. Maximum variance of plus one inch across chassis. Oil pan and motor parts do not apply.

7. Engines and Transmissions

- Four cylinder engines only. Must remain in stock location. No V-Teck, Z-Teck or any variable valve/cam timing motors allowed. Engines and transmissions must remain completely stock for make and model. No high performance options. A 2000 or 2300 cc motor may be run in any Pinto or Mustang. All intake manifold water passages must remain open. No welding or blocking off of passage ways. Maximum engine overbore, sixty thousandths of an inch (.060") Any after market cam shaft that does not produce anything above .468 lift will be allowed. Before purchasing any cam shaft other than a stock cam, discuss with tech director. For 2010, all cars will run a 350 CFM Holly Carburetor no fuel injection allowed.
- Battery may remain in stock location, securely mounted or may be mounted in driver's cockpit away from and not under driver. If located in driver's cockpit, battery must be enclosed in a metal box, sealed to prohibit loss of acid. No plastic or nylon hold down allowed. Battery box must be insulated with approved insulation material.
- Stock ignition for make, and model only. No high performance ignition parts. No electronic ignition allowed.
- Trans cooler okay, but must be in engine compartment.
- All cars must have a working starter and alternator. Alternator must produce a minimum of 13.6 volts, at battery, at time of testing.
- All motors must have a working fan. Must have a shroud over fan. (All installations subject to approval.)
- Mufflers and tailpipes must end before rear axles and turn outward towards the sides of car 2" max. outlet. No pipes in interior driver compartment. Stock application, cast iron manifold only.
- All mufflers must meet 95dba's at 100 feet. A muffler is defined as a device produced for sale, designed to reduce sound emissions from engine. Large to small exhaust piping is not considered a muffler, even if the car meets decibel rules of 95 decibels at 100 feet.
- Cylinder heads must remain stock.
 - Stock only, no porting or polishing (no valve back cutting)
 - Heads may be cleaned, hot tanked, or cleaned by other process which does not remove metal.
- A stock head will be characterized as a cylinder head which was offered as standard equipment for year, make, and model with no performance advantage. Cylinder heads cannot be modified in any way.
- No alcohol, nitrous oxide, or power producing agents allowed in fuels.
- All emission porting must be sealed. No intake air leaks. This would include opening up combustion chambers to allow car to pass 160 psi cranking rule. Maximum head milling .050 of an inch. No angle cutting. No cylinder can exceed a maximum cranking pressure of 160 psi, or stock for make and model.
- Stock paper air filter elements only. No K & N type filters allowed. Stock air cleaner housing must be complete. No holes allowed in housing. No air direction devices allowed.
- No glycol based coolant allowed.
- Maximum cranking compression 180 lbs hot off the track at anytime.

8. Rear Axle

- Rear axle must remain stock for make and model.
- Lock up rear ends optional. Lock up by welding spiders or using mini spools. Eight (8) inch rear axles are allowed.
- Gear ratio optional.
- Heavy duty axle retaining plates optional.

9. **Steering**

- a. Must be stock for make, and model. NO ALTERATIONS! Must use stock steering column and spline.
- b. Quick release or pop-off steering wheel allowed. Must be mounted on stock steering column. All quick change mechanism must be metal. No plastic or carbon fiber allowed.
- c. No four wheel steering cars. All cars must steer by front wheels only.



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