



**Ventura Racing Association**

# **MINI DWARF CARS 2010**

**Promoter**  
Jim Naylor  
**General Manager**  
Jammy Earnest  
**Competition Director**

Cliff Morgan

**Tech Officials**

Keith Porter

David Pankratz

Phillip Stevenson

Dave Adair

**Director of Junior Racing Program**

Mike Sweeney

## **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](http://www.VenturaRaceway.com)

## VRA Mini Dwarf Rules

**Drivers:** Drivers in this class shall be from the age of 5 through age 11, as proven by a certified birth certificate copy to remain on file with the Raceway along with all necessary registration papers and minor releases. The minor release must be signed by both legal parents in the presence of a VRA official or a certified notary public. No minor may compete or drive a vehicle without these forms on file. Grandparents or stepparents may not sign for these minor drivers unless they have legal custody as proven by court documents to be presented at the time of signing. Mini dwarf cars will be divided into two divisions as follows:

**Mini Dwarf Age Group 1 - age 5 through 8 .** The first group will be from age 5 through age 8 and will be called the Piston Division. This age group will run on the "small infield track". Points will be awarded in accordance with the VRA Point Schedule.

**Mini Dwarf Age Group 2 - age 9 through 11.** The second group will be from age 9 through 11 and will be called the Supercharger Division. This age group will run on the "bigger infield track". Points will be awarded in accordance with the VRA Point Schedule.

**Switching Age Groups.** If you start racing in Group 1 and you turn 9 years during the year you may elect to start racing in group 2. If you elect to do so you will become a "rookie in this division" and start at **ZERO** points. There is no carry over of points from group 1. If you elect to switch your child from group 1 to group 2 you **MUST** get approval from the VRA Race Director one week in advance.

**Race Certification:** All drivers and crew in this class must be knowledgeable of VRA Race etiquette, flag meaning and usage and all VRA race procedures. The driver of any car and at least one parent and or adult crewmember must attend a VRA driver orientation program prior to the driver's first competition. Dates and times will be announced. In the event that an entrant cannot attend said meeting, it is up to the driver and adult representative to meet with the race director to go over basic rules prior to competition. After that meeting, it is the sole decision of the Race Director to allow or not allow the driver to compete. In any event, the driver must then attend the next scheduled orientation meeting to become fully certified for further competition.

**Pit Passes and Pit Location:** All drivers and minor crew members in this class must purchase pit passes that are good solely for the restricted pit area. Adult crew members may purchase a regular pit pass good for both the restricted and regular pit area. Drivers and cars in this class must pit their vehicles in the restricted pit area. Under no circumstances may a driver or mini dwarf car be allowed in the regular pit area except as they are on their way to and from the track for competition. Any driver found in the regular pit area during the running of an event except as stated earlier, will have their pit pass pulled and not be allowed to compete that night. Recurrence of this problem will be grounds for suspension of their VRA license.

**Driver and Crew Conduct:** In case of any rules challenge, scoring questions or disagreements of any kind involving race procedure, a car or driver, one adult crew member may discuss the issues with a VRA Official. At no time may any driver, crew member or parent verbally abuse or physically abuse any VRA Official, other driver or crew member. At no time may a driver, crew member or parent go into another driver's pit space to confront them about issues involved in racing. Any problems must be taken up with a VRA Official, who will deal with the problem. **Failure to follow these rules may result in a disqualification, fines, or suspensions from VRA competition for themselves, the car and driver they represent.**

### Frame and Roll Cage:

- A. Roll cage must be constructed of a minimum 1" OD x .065 wall tubing in the main roll cage. Secondary members will be a minimum of 1" x .065 wall.
- B. All lower frame side rails will be a minimum of .75" x 1.5" rectangular tubing with a minimum of .065" wall (lower frame rails on right and left side, running from extreme front to extreme rear: does not include cross member). No round, oval or square tubing in lower side frame rail.
- C. There will be a minimum of three (3) cross members in the main compartment; one at the forward end, one in the center and one at the rear. The cross members will be made of steel only, with a minimum wall thickness of .065". Cross Members may be round, oval, square or angle.
- D. The right and left doors must have a minimum of two bars with a minimum of .065" wall x 1" OD tubing welded through the mid section of the door frame.
- E. All cars will have a permanent structure support bar, located behind the seat at approximately shoulder height. A seat pan must be security fastened in place, using a minimum of 14-gauge steel or aluminum.

### Car Body:

The car body will be a 1928-1948 vintage coupe, sedan, sedan delivery, wagon or truck. The entire body of the car shall be made of steel or aluminum. All cars must have driver protection bars built into the frame. All cars must be fabricated so driver may exit through a roof hatch or a driver door that opens and provides quick and safe entrance or exit from the car by the driver. **Body panels must cover the sides of the car in the leg and foot area to prevent any intrusions. There shall be no sharp edges or corners on any body parts.** Maximum height of car body from the lower frame rail is 33", maximum width of car body is 27.5"

### Wheel Base:

Minimum 57.5" maximum 58.5" measured from the front to the rear axle center points.  
Maximum width is 42" with a maximum 1/2" offset

**Car Weight:**

Minimum weight without driver is 300 lbs.

All weights must be securely fastened between the lower frame rails with a minimum of two 3/8" Grade 8 bolts. The weight must be painted white and display the car number.

**Ground Clearance:**

Minimum of 2" at bottom of seat and 4" at frame rails.

**Tires and wheels:**

Wheels 6" in front, 8" in rear, standard offset, left and right wheels may be steel or aluminum. Tires will be as follows:

Front 15 x 600 x 6 turf tread

Rear 16 x 6.5 x 8 turf tread.

No racing compound of any kind. No bead lock wheels.

**Clutch:**

1 dry centrifugal type clutch, chain driven.

**Brakes:**

**One or two brakes on rear axle only.** Disc or drum style, foot brake only. Rotor can be drilled.

**Throttle:**

Must be operated by a foot pedal only. All cars must have a positive return spring at the carburetor **and** the foot pedal. Throttle must always fully close.

**Drive Sprockets:**

Any steel or aluminum split or solid rear drive sprockets. **Jackshafts are allowed.** No torque converters. No belt drive systems. Chain guards are required at the engine.

**Engines:**

The **Honda GX200** or **Honda GX160** are the only engines allowed for both Divisions of Mini Dwarfs – Pistons and Super Chargers - effective on the first race day of the 2008 season. The engine **MUST** remain STOCK and meet all of the Honda Original Manufactures Specifications and must be mounted behind the driver.

Allowed modifications:

1. After Market Air Cleaner.
2. Removal of Factory Governor.
3. Exhaust pipe may be modified to allow exhaust fumes to exit out the rear of the car.
4. Adjustable carburetor jet.
5. "Drilled" carburetor jet.
6. Optional electric starter.
7. Race Fuel is allowed. No additives.

The engine must be inspected and SEALED by Auto Pro Racing Engines 805 705-6372. All engines will be checked for unaltered in tact seals prior to competition. VRA reserves the right to claim ANY engine during or after the race night.

**NO OTHER BRAND OF ENGINE WILL BE ALLOWED TO COMPETE**

Contact Auto Pro Racing Engines at 805 705-6372 for pricing information.

Sealed Engines may be purchased from Auto Pro Racing Engines by calling 805 705-6372. Any Engine purchased from another source must be sealed by Auto Pro Racing Engines prior to your first race. You may not compete without the official sealed motor.

**Fuel:**

**Standard Commercial Pump gas only. No fuel enhancers allowed. No nitrous oxide or alcohol allowed.**

**Suspension:**

Front axle shall be made of one solid bar and have a one or two spring suspension. No shocks are allowed. No independent front suspension of any kind. Weight jacks are permitted. **There is no rear suspension allowed of any kind.** Rear axle must be solidly attached to the rear frame rails.

**Bumpers and Nerf bars:**

There will be no sharp points or edges. Rear bumper 35" wide, 6" high, 5" above the ground, measured at the center of the bumper. Front bumper 23" wide, 6" high and a minimum of 5" above the ground. Nerf bars must be mounted in a minimum of 3 points on both sides, in front of rear tires and behind the front tires. The lower bar must be parallel to the lower frame rail, in front of the rear tires, then curve or bend toward lower frame rail, attaching behind the front tires. The upper bar must be attached to the roll cage.

**Safety:**

**A positive bi-directional “kill” switch must be mounted toward the rearward portion on top of the roof. No push type switches allowed.**

**An additional bi-directional “kill” switch must be mounted within reach of the driver inside of the car. NO push type switches allowed.**

All cars must have an approved 5-point racing harness, 2” wide minimum, with a quick release buckle. Belts must be attached to the frame or cage with not less than 3/8” grade A bolts. All seatbelts will be installed at a 45 degree angle to the drivers hips, shoulder harnesses come from behind the driver and will go over both shoulders so that they will be held securely in seat (all safety restraint harnesses shall be installed in accordance with manufactures guidelines). All cars must be equipped with a high backed approved racing seat. Helmets must be approved, full face, racing type and must be worn at all times with visors in the down position. **Current SA safety rated helmets. The Snell M Rated helmet may be used only with a SFI fire rated head/face sock.** Neck collars are mandatory equipment and must be worn at all times. All drivers will wear an approved type driving suit and gloves. Drivers must wear closed toe shoes with racing shoes recommended. Arm restraints are **mandatory. All internal roll cage areas that could contact the driver must have sufficient padding**

**Numbers:**

All cars must have a minimum of three large numbers located one on each door and one on the roof. Numbers must be a minimum of 8” high and 1½” stroke per letter. A 3” number will be placed on the rear of the car and also on the front facing part of the roof. All numbers shall be plainly visible and in contrasting colors to the car with officials having final approval.

The rules are not just meant to be guidelines, they are the specific blueprints for the above mentioned class. If there are gray areas that you think are opened for discussion, these areas must have prior approval before implementation by your VRA Officials. The approval process has to be in written form presented to a VRA Official with the answer to follow in writing.