



## 2019 IRWINDALE SPEEDWAY ENDURO RULES

**Enduro Stock – single overhead cam engine**

**Enduro Sport – dual overhead cam engine**

**Enduro Cars will also run Figure 8**

### 1. Intro

Beginning in 2019 Irwindale will run Enduro Stock and Enduro Sport divisions together. They will be scored separately and there will be a winner for each division. Irwindale speedway recognizes the need for fair and unbiased leadership for the Enduro class. These rules will be enforced. Modifications will not be permitted unless stated in these rules.

### 2. Eligibility / Weights

To compete in the Enduro Stocks or Enduro Sport you must be a NASCAR member.

Enduro Stock must weigh a minimum of 2300# without driver. Maximum 51% left or right side weight.

Enduro Sport must weigh a minimum of 2500# without driver. Maximum 51% left or right side weight.

### 3. Inspections

All equipment is subject to the approval of Irwindale Speedway officials. All cars must pass a pre-competition inspection and all cars are subject to a post inspection. No equipment will be considered as having been approved by reason of having passed through inspection.

With the exception of the following rule modifications, all cars must be 100% stock.

These rules will be strictly enforced, modifications not permitted unless stated in the rules.

For questions regarding these rules call competition director (626) 358-1100 or e-mail [competitors@irwindalespeedway.com](mailto:competitors@irwindalespeedway.com).

### 4. Car Body

- (a) Any 1980 or newer 4 cylinder or V-6 front wheel drive car, station wagon, or minivan, with a wheel base of 90 inch or longer is eligible to compete.
- (b) No trucks, convertibles, sub-compacts, El Caminos, SUV's, pick-ups, Imperials, T-tops, or rear engine. Sunroofs must be sealed with sheet metal by tack welding or pop rivets.
- (c) All cars must have complete bodies. All exterior lights, lamps, lenses, and mirrors must be removed.
- (d) Doors must be welded, bolted, or chained shut.
- (f) Reinforcing of frames, cross members, or bodies not permitted.
- (g) The height of the front and rear bumpers must be stock. Car must not be raised or lowered, and must sit at approximate stock height.
- (h) No portion of the car may be lower than 4-1/2 inches at any time.
- (f) No excessive gutting or lightning of cars. Doors may be gutted for roll cage clearance only.
- (g) Hoods must have two hood pins and OEM hinges. Any under-hood type latching mechanism must be disconnected or removed. Cable wire in housing operated hood releases not permitted. Hoods must be capable of being completely opened from the outside of car.
- (h) Trunk lids must have two hood pin and OEM hinges. Any internal latching mechanism must be disconnected or removed. Trunk lids must be capable of being completely opened from the outside of car.

### 5. Tires and Wheels

#### (a) Tires

- (1) Any stock 60 series or taller tire may be used OR  
The following Federal Tires are approved for competition.

- (2) Federal Tire 205-50ZR 15 89w xl 210 595rs r only.
- (3) Federal Tire 205-50ZR 16 87w xl 210 585rs r only.
- (4) Maximum wheel width is 7". No liquids or fluids allowed in tires.

## 6. Interior

- (a) All glass must be removed from the car, except the windshield.
- (b) Stock front windshield permitted. If clear lexan or wire mesh is used it must have two evenly placed metal straps 1/8 inch by 1 inch or a single 1.5-inch bar in the center of the windshield between the dash panel bar #8 and the roof bar #3.
- (c) Interiors must be vacuumed or cleaned and free from debris.
- (d) All interior upholstery must be removed, except the driver's seat.
- (e) Remove all Airbags

## 7. Engine / Transmission

- (a) Engine must be in stock condition and location.
- (b) Engines must be stock OEM for make, model. No performance parts of any kind allowed. No engine modifications to enhance performance are allowed. Aftermarket throttle bodies, intakes and computers are not allowed.
  - (1) V-6 engines must only run on 4 cylinders, with 2 cylinders disabled. Spark plug wire must be removed.
    - (a) No rotary engines
    - (b) No turbos, superchargers, or ram air induction of any kind.
    - (c) Aftermarket air cleaner and intake tube allowed.
  - (2) Engine and transmission mounts must be unaltered stock.
  - (3) Must use stock distributors.
  - (4) Engines must be steam cleaned free of oil and grease.
- (c) Transmission must remain stock for year, make and model of car. No performance modifications allowed.

## 8. Cooling System

- (a) Radiator must be in stock location. No antifreeze, Water only.
- (b) Radiator catch can must be at least 1 quart in capacity. Securely fastened in the engine compartment.

## 9. Exhaust

- (a) You may cut off catalytic converter but tailpipe must end behind firewall.
- (b) No exhaust system in driver's compartment.

## 10. Suspension

- (1) All suspension components must be stock and mounted in stock location.
- (2) Front and Rear suspension must be stock.
- (3) No aftermarket adjustable coil overs.
- (4) No reinforcing of suspension will be allowed.
- (5) Making the suspension rigid or jacking up suspension will not be allowed.
- (6) No truck suspension components.
- (7) Maximum camber allowed is -1 degrees.

## 11. Fuel and Fuel Cells

- (a) Automobile gasoline only. Street legal pump gasoline permitted. No additives. Gasoline shall not be blended with alcohols, ethers, or other oxygenates. Nitrous oxide prohibited.
- (b) Fuel cells may be used but must follow these directions.
  - (1) Fuel cell must be centered between frame rails in trunk area. Must have Full firewall between driver's compartment and trunk area. No Exceptions. Fuel cell must be TOTALLY ENCLOSED in an 18-gauge steel container and mounted with two (2) 1/8" by 1.5" straps lengthwise and crosswise. Must meet tech approval. Fuel cell foam required. Chain required from fill cap to strap. No zip ties.
  - (2) Fuel cells and tanks must be mounted in center of car from side to side.

- (3) Fill spout to be located at tank.
- (4) Minimum fuel capacity is 8 gallons. Maximum fuel capacity is 15 gallons.
- (5) If the fuel line runs through the drivers compartment it must pass through a metal tube sealed at both ends and brightly marked "do not cut fuel line"
- (6) Fuel cell vent hose must have a tip over valve.
- (7) No cutting of trunk floor in any way to lower fuel cell.

## 12. Electrical System

- (a) If battery is mounted within the driver's compartment it must be securely mounted behind the driver, in front of the rear axle and contained in an electrically insulated container. It is recommended to have a master cut off switch.

## 13. Roll Cage and Safety Bars

- (a) Four-point roll cage required. Main roll bar #1, Front roll bar legs #2a-2b, Roof bar #3, Main roll bar leg diagonal bar #5, Horizontal shoulder bar #7, Shoulder belt bar #7b, Dash panel bar #8, Minimum of three (3) door bars on drivers side #9a, and 3 door bars or "X" bars on passenger door #9a. Optional rear support bars #13a-13b can be added to make the roll cage a six-point. Bars must be a min. of 1 1/2" O.D. X .090" wall thickness, gusset as necessary for strength. See photo below and/or refer to the current NASCAR All-American Series Rule Book.
- (b) The driver's side door bars must be plated with a steel 1/8-inch material from top to bottom and from Front roll bar leg #2a back to Main roll bar #1. No other interior non-OEM bars or reinforcement supports permitted.
- (c) Main roll bar #1 and Front roll bar legs #2 must be fastened to floor of uni-body cars with a minimum 3/16" thick plate, top and bottom, at all four corners if bolted. If plate is welded to uni-body it is only needed on top.
- ~~(d) Radiator Protection~~
  - ~~(1) One round or square tube horizontal radiator protection bar allowed. May only be attached to the main frame structure of the vehicle. Not connected to the bumper or roll cage. Must be behind front edge of the hood.~~
- ~~(e) Bumpers~~
  - ~~(1) Any reinforcement hidden behind a nose or tailpiece in the stock location will not be allowed.~~
  - ~~(2) Front and rear bumpers, if missing, excessively damaged or are just nonexistent once you remove the covers, may also be replaced by one, 1 1/2" O.D maximum square or round tube. May only be attached to the main frame structure of the vehicle. Must be no wider than the track width of the vehicle. Must be turned and rounded back in towards frame. May not be attached vertically to front hoop or radiator protector bar.~~
- (f) A stiffening tube (1.5" x .095 or smaller) may be added between the rear upper strut mounting points from left to right under the rear package tray area.

## 14. Identification

- (a) Transponder
  - (1) Transponder shall be mounted on the passenger's side floorboard middle crossmember. It must be in line with the Horizontal Tunnel Bar #6. A hole must be cut in the floorboard to allow the transponder to see the asphalt ground.
- ~~(b) Numbers~~
  - ~~(1) An 18-inch number must be on the front driver and passenger doors. It must be on the roof of the car and be visible to the starters stand when at the start finish line. Optional: A 18-inch x 18-inch number board can be securely mounted in the center on the car's roof. All numbers must be legible and visible in contrasting colors.~~
  - (2) Drivers first and last name should be on the roof above the passengers and driver's door.

## 15. Safety Gear

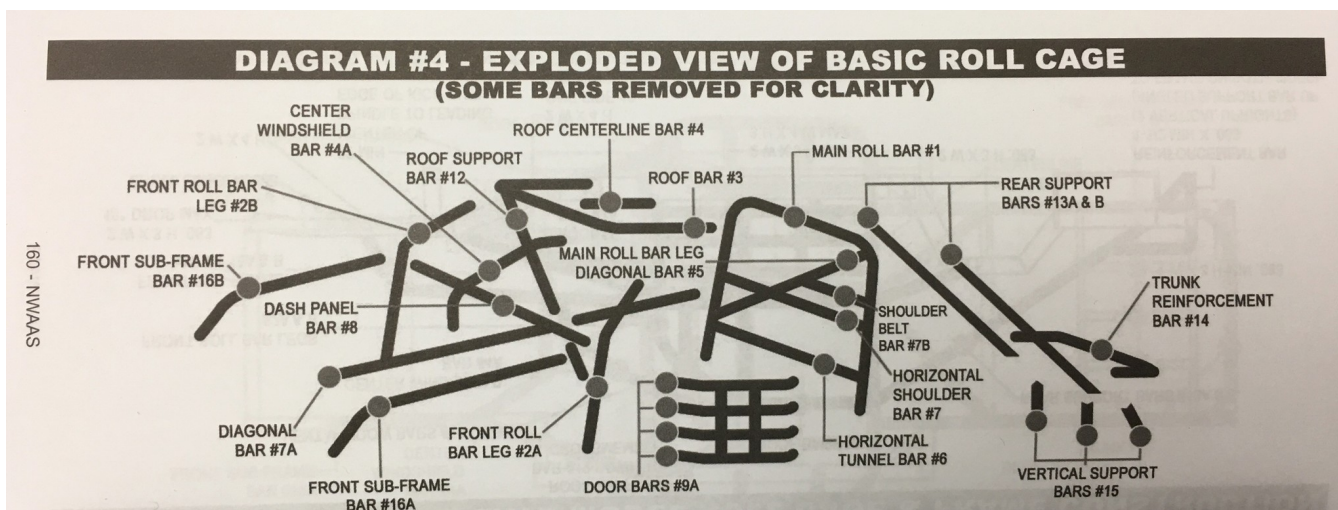
Each competitor is solely responsible for the effectiveness of all personal safety equipment.

- (a) A 1-inch ribbon style window net is mandatory. Latching device must be at the forward top part of the driver window with approved latch and be accessible by the driver. .
- (b) A high back racing seat is HIGHLY recommended. May be mandatory for 2020. Off-road or oval track type seats ok.
  - (1) Stock OEM seat that are hinged and bolted to the floorboard must have the hinge welded permanent.
  - (2) Race seat must be securely bolted to a mount assembly that is an integral part of the roll cage.

- (3) Race seat will not be welded or bolted to the floor board.
- (1)–A 5-point safety seat belt mandatory. No date requirements if belts are in GOOD condition.
- (2) Aftermarket driver's seat belt systems should be installed in accordance with the directions provided by the supplier and/or manufacturer or refer to the current NASCAR All-American Series Rule Book.
- (c) Every car must be equipped with one fully charged fire extinguisher having at Least a 10:BC rating.
  - (1) The fire extinguisher or the fire suppression activation control must be mounted within the seated drivers reach and readily accessible for use.
  - (2) Each fire extinguisher must be designed to permit visual determination of whether it is fully charged.
- (d) All entrants must have a 10-lb. fully charged fire extinguisher in their pit area.
- (e) Every driver must wear a Full-Face helmet, at Least a valid Snell SA 2010 or newer or a valid SFI 31.1, SFI 31.2 or SFI 31.1/2005, with label, at all times while on the track.
- (f) Every driver must wear eye protection at all times while on the track.
- (g) Approved fire suit mandatory. Must meet Suit SFI Rating: 3.2A/1 single layer.
  - (1) Gloves required. Must be Nomex Racing Gloves, Single Layer.
  - (2) Closed toe shoes required. Recommended: Single Layer High-top Racing Shoes, SFI 3.3/5
- (i) Center of steering wheel must be padded with 2-inch resilient material.
- (j) Quick release steering wheel is recommended.
  - a. Padding must be placed on all roll bars, hard or sharp edges where the driver may come in contact with when belted in. Must be made of resilient material.
  - b. ALL participants must monitor race control at all time while on track.

Any part of equipment found during an inspection or any other time at any Irwindale Speedway sanctioned event that does not meet applicable Irwindale Speedway standards, must be surrendered to the Irwindale Speedway Tech Official at that time, and will not be returned.

Irwindale Speedway Tech Officials reserve the right to make final decisions in the interpretation of any rules or race procedures at any time. No equipment will be considered as having been approved by reason of having passed through inspection.



3/5/2019