



NOTE: ALL RULE CHANGES FOR 2010 ARE NOTED IN RED!!!

BARONA SPEEDWAY PRO STOCK RULES 2010

YOUR INTERPRETATION OF THESE RULES AND ANY WORK DONE ON YOUR RACE CAR IN AN ATTEMPT TO COMPLY WITH THESE RULES IS SUBJECT TO TECH APPROVAL.

1. ELIGIBILITY

- A. All American automobiles provided they comply with the following rules, with these exceptions: No convertibles, jeeps, trucks, sports cars or front wheel drive cars. Car must have been available in the U.S. and sold by American Motors, Chrysler, G.M. or Ford.
- B. Wheelbase no less than 108 inches.

2. BODY

- A. After market fiberglass or aluminum bodies will be allowed. Body must be complete.
- B. Tubular bumpers are allowed. All bumpers must be strapped to fenders or curved inward to avoid hooking of bumpers. Tubular bumpers are to be made from 1½" .120 wall tubing maximum. All bumpers are to be chained or cabled to car for added support, subject to Tech approval.
- C. All glass must be removed from body. Windshield area shall have a minimum of **three (3)** vertical straps at least ⅛" by 1". ~~though 3 straps are strongly recommended.~~ Windshield area shall have a ½" maximum screen over entire area. ~~It is strongly recommended that~~ ¼" round stock **no less than 3" or more than 5" must** be used in front of driver side of windshield for added protection. All exterior trim, door handles and antennas must be removed.
- D. All interior upholstery shall be removed. Gutting of interior sheet metal is allowed.
- E. Fender wells may be removed. If fender wells are intact, a 6" hole must be put into each fender well to allow for fire extinguishing. Gutting of hood or rear deck lid is allowed. All holes in firewall or floor pan must be covered for driver's protection.
- F. All doors must be bolted or welded shut.

- G. If hood is still hinged to car, two (2) hood pins are required. If hood is not hinged, **Hinged hoods are not allowed.** Four (4) hood pins are required. For complete fiberglass front ends, six (6) hood pins are required.
- H. An adequate firewall is required between fuel cell and driver's compartment with no less than 20 gauge steel.
- I. Fiberglass or plastic bodies are allowed.
- J. All cars must have numbers on both doors and roof a minimum of 18" high. **Door numbers must be centered between front and rear tires on both sides.** Numbers can be applied with vinyl, paint or tape, but must be visible from the scorers stand. 3" numbers must also be applied to the left side of front bumper and the right side of the rear bumper to be readable when standing in front or back of car. Roof numbers must be readable from passenger side of car.
- K. Nerf bars are allowed. Bars must not stick out farther than tires. Subject to tech approval.
- L. Cars need to be CLEAN with body panels intact at the beginning of each race meet.

3. CHASSIS

- A. One shock allowed per wheel. No coil-over springs.
- B. Ground clearance is a minimum of 4". Ground clearance is measured at the lowest point of the frame or cross member.
- C. Weight jacks are allowed. One weight jack per wheel. No hydraulic or air jacks allowed.

4. TRANSMISSION AND REAR END

- A. Rear end must be stock width for chassis.
- B. Differential must be locked or welded (Mini spool or spool). No Detroit locker, limited slip or other slipping device allowed.
- C. No more than 4 links attached to rear end, excluding pan hard bar.
- D. Drive shafts must be painted white.
- E. Driveshaft hoop is required 12" from front U-joint, under floorboard around driveshaft.
- F. Any self-starting OEM transmission is allowed.
- G. ~~Transmission must be stock for motor and chassis, Ford for Ford, Chevy for Chevy, etc.~~
- H. Scatter shield, blanket, or ¼" steel plate mandatory for all manual transmissions. Conveyor belt material is allowed.
- I. All transmissions must ~~be stock type and~~ have a working forward and reverse gear.

5. WHEELS AND TIRES

- A. Steel wheels only, maximum width 8".
- B. 9/16" or larger wheel studs mandatory on all 4 wheels.
- C. No electronic traction control devices allowed.
- D. Bead locks are allowed.
- E. All cars will run Hoosier tires. Tires must be purchased from the track authorized Hoosier tire distributor. All tires must be branded by the track.

6. FUEL CELL AND FUEL

- A. Gasoline only. Gasoline cannot be mixed with alcohols, ethers or other oxygenates. No Aniline or its derivatives. No nitro compounds or nitro containing compounds. No icing or cooling of fuel permitted in the pits or racing area.
- B. Fuel cell must be top fed and securely fastened in trunk area with a minimum of four (4) straps on top and four (4) straps on bottom of fuel cell. Straps are to be 1/8" by 2" minimum. There must be an 8" hole in the trunk area to assist in fire extinguishing.
- C. Fuel cell is to be mounted behind the rear axle, and no lower than the center of the rear axle.
- D. Fuel cell shall be enclosed in a minimum of an 18 gauge steel box with the filler spout located in the trunk compartment.
- E. Fuel line may be run through driver's compartment, but must be completely enclosed in steel tubing and sealed at both ends. Subject to Tech approval.
- F. Gas cap MUST be tethered to the car. **Zip ties are not acceptable.**
- G. **Fuel vent tube must end final location below bottom of fuel cell.**

7. STEERING AND BRAKES

- A. Cutting or welding of steering components is not allowed, with the exception of the steering column. U-joints can replace rag joints. All steering columns must be collapsible. Solid rods must be used for all steering rods. Tubular steering column is allowed.
- B. Removal of right front brake is allowed.
- C. Center of steering wheel must be padded.
- D. Rack and pinion steering is not allowed.
- E. Removable steering wheels are **allowed mandatory, and but** must lock securely to the steering column.
- F. **No parking brakes allowed.**
- G. **Steering quickeners are allowed.**

8. ROLL BARS AND CAGES

- A. Four (4) point minimum cage is required six (6) point is preferred. A minimum of four (4) drivers' door bars and three (3) right side bars is required. No butt welds on door bars unless bars are bent.

- B. Spreader bars on doors are required with a maximum 14" spread. It is required that the driver's door be plated with **minimum 1/8" gauge steel. Plating must extend from forward "A" pillar down tube to completely behind driver. Must leave 2" gap between down tubes.**
- C. Cage must be minimum 1 1/2" O.D. steel tubing with minimum .090 wall thickness. Chromolly minimum .065" thickness is allowed.
- D. Upright bars must be attached to floor or frame by a bolted plate (minimum 3/16") or welded. Bolted plates must be secured with a minimum of four (4) 3/8" grade "8" high quality bolts.
- E. Tubing around and behind the fuel cell is required.
- F. Cage and roll bar must be padded wherever driver may come in contact.

9. WEIGHT

- A. All cars must weigh a minimum of 3000 pounds with driver **after the race at all times.**
- B. All bolted weight and location must be approved by Tech. Weights must be painted white and stamped with car number.
- C. Track scales will be the official weight.

10. ENGINES

- A. Cars must have engines and chassis of the same manufacturer (GM to GM, Ford to Ford, Etc.) Blocks and cylinder heads must be cast iron. Any make cast iron is allowed.
- B. NOT ALLOWED: Aluminum heads, aluminum blocks, roller or mushroom lifters, roller cams, magnetos, computers, fuel injection, nitrous or turbochargers.
- C. Lifters must be stock diameter.
- D. 180-degree headers are allowed.
- E. Roller rocker arms are allowed.
- F. No dry sumps allowed.
- G. The centerline of the lead spark plug hole must be even with or in front of the centerline of the upper ball joints.
- H. V-8 engines must be stock production and cast iron only.
- I. Stock type or H.E.I. ignitions only. No magnetos or dual point ignition allowed.
- J. Heads may be milled or resurfaced.

11. MANIFOLDS AND CARBURETORS

- A. Maximum carburetor allowed is one (1) 4-barrel. No touch carburetor. Subject to Tech approval. No Predator or Dominator type carburetors allowed.
- B. The only changes permitted to carburetors are jets, power valves and removal of choke assembly. No cutting or machining permitted, a 1" adaptor plate is allowed.

- C. All carburetors must meet Tech approval.
- D. All carburetors must have two (2) throttle return springs, one on the carburetor and one on the linkage.
- E. Turbochargers and superchargers are not allowed.
- F. Porting or polishing of manifolds or carburetors is not allowed.
- G. Aftermarket intake manifolds are allowed.

12. EXHAUST

- A. Headers are allowed.
- B. Mufflers are mandatory. Mufflers cannot be home made.
- C. Exhaust must exit behind driver. Subject to Tech approval.
- D. Running exhaust through inside of car is allowed. Exhaust pipes must be completely sealed from any possible contact by driver or rescue crew. Subject to Tech approval.

13. COOLING SYSTEM

- A. Only one (1) radiator is allowed and must be mounted in front of engine. Aluminum radiators are allowed.
- B. A one (1) gallon catch can is required and must be mounted inside the engine compartment.
- C. Water only in the cooling system. No antifreeze or oil of any kind. Water wetter is allowed.
- D. A fan shroud is mandatory. Fan shroud must have a top and sides.
- E. An air scoop is allowed. Air scoop must not exceed width of radiator and must not extend more than 5" in front of radiator.
- F. Fans must be motor driven. Fans can be made of steel or nylon only.

14. ELECTRICAL SYSTEM

- A. One passenger car battery per vehicle. If mounted in drivers compartment, battery must be fully enclosed in a steel box.
- B. All cars must have a kill switch clearly marked with "On" and "Off" locations. Kill switch must be within drivers reach and reachable from outside of car by rescue crews. **Location must be on the speedway bar or center cage to the right of the driver.**
- C. All cars must have starters and be self-starting at the beginning of the race. **If a push start is required for the beginning of a race, that car must start in the back.**
- D. One-way radio is mandatory, and must be set to officials frequency designated by track officials. Radio to be provided by driver. Driver will not be permitted on track without radio. If radio is found to have 2 way communications, car and driver will be suspended for 4 races and driver will be fined \$250.00. (A driver is allowed a 1 race per year exception, in case of equipment failure or forgetting to bring the radio).

15. SAFETY EQUIPMENT

- A. A driver's side window net is mandatory. Window net release must be in front at the top of the window and workable from outside of car.
- B. Flame retardant driver's suits are mandatory. Neck collars and gloves are also mandatory. No nylon shoes or polyester clothing of any kind are permitted.
- C. A fire extinguisher with a charge indicator (minimum 2 lbs.) is mandatory. Fire extinguisher must be mounted with quick release and within driver's reach.
- D. A racing seat, securely mounted and attached to roll cage with grade "8" bolts is required. Fiberglass seats are not allowed. **Seat cannot be mounted to the floor!**
- E. A race approved 5-point harness is required. Harness must be date stamped no more than three (3) years old.
- F. Helmet must be Snell 2005 or newer. Helmet must be SA rated. ~~If M-rated, must be accompanied with fireproof sock.~~ **M rated helmets are not allowed.** (NOTE: In 2013, a Snell 2010 helmet will be required.)
- G. Eye protection, helmets, harness, neck collars, gloves and driver's suit must be worn at all times when on the racing surface.

INTERPRETATION OF THE RULES

Though we have made every effort to provide rules that will be clear and precise, should there be any confusion in your interpretation, **ASK!! IGNORANCE IS NOT AN EXCUSE!** If a specific issue is not addressed in these rules, the official's decision is final. Any modifications not addressed in these rules will not be allowed unless approved by the Tech.

We want all cars to be competitive with each other in their division. If you do something with your car that has been overlooked in these rules that we feel gives you an unfair advantage over your competitors, YOU will be required to change YOUR car.

These rules are provided to maintain orderly conduct of racing events and to establish requirements. By participating in Pro Stock events at Barona Speedway, each driver agrees to comply with these rules and all general rules of the Speedway.

Should your car be found in violation of these rules it will be the Tech's discretion as to what action will be taken. A minor 1st time infraction may allow you to race that night, but require you to make necessary changes prior to the next race.

Any rule infraction will be given to you in writing. Should a racing advantage rule infraction be found, you may be asked to start in the back, or may not be scored or allowed to place in that event. You also may have to add weight to your car to compensate for the infraction. The amount of weight to be added will vary depending on the infraction, and will be determined by the Tech. You will need to find the weight required yourself, it will not be provided. Changes will need to be made to your car to comply with the rules prior to the next race night.

These rules will be in effect throughout the 2010 racing season. These rules are in no way meant to imply any guarantee of safety. There is no guarantee against injury or death to participants, spectators or others.

These rules may be amended at any time by the **track official. Changes may be made for safety, or to keep the competition close.**

The Barona Speedway management appreciates your cooperation in complying with these rules. We wish you all a safe and successful 2010 racing season.