



BARONA SPEEDWAY PONY 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. Any 1970 or newer American and Foreign sedans whose components meets U.S.A. specifications only, with these exceptions: No convertibles, jeeps, trucks, sports cars or front wheel drive cars.
- B. All cars will have a wheelbase of no less than 90 inches and no more than 104 inches. No car will have more than 1/2" difference side to side.
- C. All cars must remain stock for year, make and model per the manufacturers original specifications. The only exceptions are those contained in these rules.
- D. All casting numbers and part numbers will remain intact and unaltered to be legal. YOU are responsible for what you run.

2. BODY

- A. Body must be complete **and stock in appearance, subject to tech approval**, with front and rear tires covered. Roof must match frame type. (Ford on Ford, GM on GM, etc.) Straight sheet metal sides are permitted.
- B. Stock appearing front and rear bumpers or tubular bumpers are allowed. Bumpers must be "wrap-around", with no sharp edges. All bumpers must be strapped to fenders or curved inward to avoid hooking of bumpers. Tubular bumpers are to be made from 1 1/2" .090 wall tubing maximum. If tubular bumpers are used, a stock appearing bumper cover is required. No reinforcing of bumpers. Bumper brackets may be fabricated from 1/4" steel plate. A loop may be mounted inside rear quarter panels to prevent hooking, a 1/8" plate is recommended. All bumpers must 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 1/8" by 1". ~~though 3 straps are strongly recommended.~~ Windshield area shall have a 1/2" maximum screen over entire area. ~~It is strongly recommended that 1/4" round stock no less than 3" or more than 5" must~~ be used in front of driver side of windshield for added protection.
- D. All exterior trim, door handles and antennas must be removed.
- E. All interior upholstery must be removed. Gutting of interior sheet metal is allowed.
- F. Front fender wells ONLY may be removed. Gutting of hood or rear deck lid is allowed. Stock firewall, floor pan and rocker panels are required. Stock firewall (front and rear), floor pan, and rocker panels must be retained. All holes in firewall or floor pan must be covered for driver's protection. Outer fender wells may be trimmed to a maximum of 4 (four) inches tire clearance. All edges must be rolled and show good workmanship. If fender wells are intact, a 6" hole must be put into each fender well to allow for fire extinguishing.
- G. All doors must be bolted or welded shut.
- H. ~~If hood is still hinged to car, two (2) hood pins are required. If hood is not hinged,~~ Four (4) hood pins are required. **Fiberglass front ends are allowed.** For complete fiberglass front ends, six (6) hood pins are required.
- I. An adequate firewall is required between fuel cell and driver's compartment. Rear firewall can be no further forward than the rear fender well with no less than 20 gauge steel.
- J. Fiberglass, **aluminum** or plastic bodies are allowed.
- K. Stock appearing grill or mesh must be installed. Subject to Tech approval.
- L. 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.** Pony stock numbers are to be between 0-99. Cars with a specific number the previous season have the option to maintain their number. 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 of front bumper and the right of the rear bumper to be readable when standing in front or back of car. Roof numbers must to be readable from passenger side of car.
- M. Interior sheet metal in trunk area may be removed.
- N. Roof must be **factory metal and stock appearing**; all other panels may be fiberglass, no exceptions. All body parts and sheet metal must be secured with pop rivets (no screws).
- O. Removal of dash optional. All sharp metal under and around dash must be removed.
- P. Headlight and taillight holes must be covered and show good workmanship.
- Q. Mirrors are not allowed.

- R. No spoiler, air dams, or bolt on hood scoops will be permitted.
- S. Nerf bars are allowed. Bars must not stick out farther than tires. Subject to Tech approval.
- T. Cars need to be clean with body panels intact at the beginning of each race meet.

3. CHASSIS

- A. No customizing, altering or reinforcing of chassis is permitted, except as noted in roll cage rules.
- B. No special sub-frames are permitted
- C. **Must use stock sway bar.** Sway bar mounting must be **stock metal in stock location.** ~~Teflon or plastic bushings.~~ ~~No heim joints permitted.~~
- D. One shock allowed per wheel in stock location. No special springs or shocks will be used. Gas shocks are allowed. Stock type mounts only. No aluminum leaf springs or spacers will be allowed.
- E. Caster and camber may be changed by normal methods only. No cutting or welding. Solid material may be used in place of stock shims.
- F. Ground clearance is a minimum of 4". Ground clearance is measured at the lowest point of the frame or cross member.
- G. No spacer plates will be added to leaf springs. You may run uneven amounts of leaf springs from side to side. All leaf springs will be bolted together and U-bolted to the rear end housing. Sliders are allowed.
- H. All replacement of frame sections must be approved by Tech.
- I. Weight jacks are allowed. One weight jack per wheel. No hydraulic or air jacks allowed.
- J. No on board adjustable suspensions allowed.

4. TRANSMISSION AND REAR END

- A. Rear end and housing and overall width must remain stock for chassis, Ford for Ford, Chevy for Chevy, etc.
- B. Locking of rear ends is permitted. No Detroit locker. Limited slip, Positrac, Quicktrac or any other ratcheting, slipping or equalizing device is permitted. Steel replacement mini spool is OK.
- C. ~~No aluminum allowed.~~ **No aluminum drive shafts or rear end housings allowed.**
- D. Drive shafts must be painted white. Driveshaft hoop is required 12" from front U-joint, under floorboard around driveshaft.

- E. Stock clutch and flywheel only. Scatter shield, blanket, or ¼" steel plate mandatory for all manual transmissions. Conveyor belt material is also allowed.
- F. Transmission must be stock for motor and chassis, Ford for Ford, Chevy for Chevy, etc.
- G. Transmission must have reverse and all forward gears.

5. WHEELS AND TIRES

- A. Only heavy duty or spoke steel wheels may be used. No aluminum or magnesium wheels will be permitted. Maximum wheel size to be 13" by 8".
- B. Tire tread width is 9" maximum.
- C. 9/16" or larger wheel studs mandatory on all 4 wheels.
- D. Valve stem location is optional. No bleeder valves are allowed.
- E. All wheel weights will be on the inside of the wheels.
- F. No electronic traction control devices allowed.
- G. No mud or snow tires allowed. No studded tires or truck tires allowed.
- H. Bead locks are allowed.
- I. 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 can not 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 ½" by 2" minimum.
- C. Fuel cell is to be mounted behind the rear axle, and no lower than the center of the rear axle. Bottom of the fuel cell cannot be lower than the center of the rear end. **Fuel vent tube must end final location below bottom of fuel cell.**
- D. Fuel cell shall be enclosed in a minimum of an 18 gauge steel box with the filler spout located in the trunk compartment. Fuel cap must be tethered to the fuel cell.
- 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 caps MUST be tethered to the car. **Zip ties are not acceptable.**

6. STEERING AND BRAKES

- A. Cutting, **heating, bending, molesting** 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. Stock is OK. Steering shaft must be $\frac{3}{4}$ " by .120 wall tubing. Solid rods must be used for all steering rods. Tubular steering column is allowed.
- B. Stock brakes are required. All 4 brakes **MUST** be functioning.
- C. Center of steering wheel must be padded.
- D. No driver accessible proportioning valves allowed.
- E. Removable steering wheels are ~~allowed, but~~ **mandatory, and** must lock securely to the steering column.
- F. Steering quickeners are allowed.
- G. **No parking brakes allowed.**

7. ROLL BARS AND CAGES

- A. Four (4) point minimum cage is required, that extends the width of the frame, 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 is required with a maximum 14" spread. It is strongly recommended that driver's door be plated.~~ Spreader bars on doors are required with a maximum 14" spread. It is required that the driver's door be plated with **minimum $\frac{1}{8}$ " 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 $1\frac{1}{4}$ " 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 $\frac{3}{16}$ ") or welded. Bolted plates must be secured with a minimum of four (4) $\frac{3}{8}$ " grade "8" high quality bolts.
- E. Rear hoop must be installed in trunk, behind the fuel cell, with 45 degree kickers for fuel cell protection. A $1\frac{3}{4}$ " tube or $\frac{1}{2}$ " by 1" square tubing may be mounted behind the fuel cell between the ends of the frame rails. No flat or angle stock will be permitted. A fuel cell protection bar must be mounted behind the fuel cell.
- F. Speedway bars will be permitted and can not be connected to suspension.
- G. Front hoop allowed, no more than 4 bars in front of radiator, 2 horizontal & 2 vertical. Kickers allowed, if mounted behind radiator and

in front of forward firewall. No more than 4 bars will be allowed through firewall.

- H. Cage and roll bar must be padded wherever driver may come in contact.

8. WEIGHT

- A. All cars must weigh a minimum of 2100 pounds with driver **before 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, bolted securely no lower than the bottom of the frame member. No bolt on weight less than 5 pound block.
- C. Track scales will be the official weight.

9. ENGINES

- A. The engine must be stock for make of car (Ford to Ford, Chevy to Chevy, etc.).
- B. Cylinder compression is limited to an absolute maximum of 200 pounds, measured with track gauge, at 5 revolutions with carburetor wide open.
- C. Engine block must be of an in-line 4 cylinder type. No Cosworth or dual overhead cam motors allowed. No rotary motors allowed. No quad valve motors are allowed. 2 valves allowed per cylinder.
- D. Engine size is to be 2600 cc's maximum, NO EXCEPTIONS.
- E. Aftermarket cams are permitted. Solid lifters are permitted. Roller rockers are permitted.
- F. No external oil pumps allowed.
- G. Heads may be milled or resurfaced, ported and polished.
- H. Engine can be set back, but front spark plug must not be further back than the top ball joint.
- I. No after market aluminum heads allowed. Cast iron only.
- J. No magnetos allowed. No triggering systems allowed. MSD type box is allowed with stock distributor.

10. MANIFOLDS AND CARBURETORS

- A. One carburetor allowed. Must be a box stock carburetor no larger than 350. Subject to Tech approval.
- B. The only changes permitted to carburetors are jets, power valves and removal of choke assembly. No cutting or machining permitted, a maximum 1¼" 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, superchargers or ram air of any kind are not allowed. Stock type air cleaners 3" high by 14" diameter maximum. K & N air cleaners are allowed.
- F. Porting or polishing of manifolds or carburetors is not allowed.
- G. Intake manifolds must be of O.E.M. stock factory production only. If the intake manifold has bolts on top it must also remain stock.
- H. No "PCV" valves allowed on any part of engine, including carburetor, E.G.R. plate, oil pan, valve cover, intake or exhaust manifolds. All unnecessary hose shall be removed and a plug will be installed in the E.G.R. plate and carburetor. No exceptions.
- I. No fuel injection.

11. 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.

12. 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. Engine fans are optional. All cars with a fan may have one engine fan only, mounted in stock location. An electric fan is allowed in lieu of a motor driven fan.

13. 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. No radios or on board computers allowed.

E. 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. **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 Pony 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 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.