



## 2010 PURE STOCK RULES

**NOTE: REVISIONS ARE NOTED IN RED**

**Revised 1/21/2010**

**PLEASE READ CAREFULLY!**

**NOTE: The Pure Stock class is designed to be fun while creating a safe atmosphere for the new and young racers and is not intended to be a high dollar car division.**

**PURE STOCK MEANS JUST THAT, ALL-ORIGINAL PARTS. NO SWITCHING PARTS.**

**VERY IMPORTANT! PLEASE MAKE ALL CARS LEGAL! WE WOULD LIKE TO MAKE THIS DIVISION FAIR, FUN AND EQUAL FOR ALL. WE APPRECIATE YOUR COOPERATION IN THIS MATTER.**

**ALL ILLEGAL PARTS WILL BE CONFISCATED AND BECOME THE PROPERTY OF BARONA SPEEDWAY.**

*Each Pure Stock will be inspected for any performance enhancing items.*

### **1. BODIES**

- A. Must be complete and stock, including all sheet metal. Cars must remain stock in appearance. No 4x4's, station wagons, pick-ups or convertibles allowed. No front wheel drive allowed. Must be American made. Cars must be 1960 or newer. Destroyed panels must be replaced with stock parts. Fenders may be cut out for tire clearances, not to exceed three (3) inches.
- B. Front inner wheel well panels may be removed. If not removed, must have minimum 6" hole cut in wheel well for fire rescue access.
- C. Both front inner door panels may be cut out for door bars only. No other inner panels may be cut out.
- D. Grill may be replaced with wire screen.
- E. It is MANDATORY that all upholstery or plastic interior panels and stock dash plastic be removed.
- F. Stock firewall must be retained at front and rear. No excess holes in firewall.
- G. All doors must be welded shut. Subject to technical inspection. Leave door hinges.
- H. Nosepieces may be replaced with OEM appearing, ALL INSTALLATIONS ARE SUBJECT TO TECH APPROVAL.
- I. **Hood hinges must remain with two (2) hood pins on front. Hood may be gutted. Hoods can not be hinged to car.** Four (4) hood pins are required.
- J. Trunk hinges must remain with two (2) hood pins on rear.
- K. NO cockpitting Allowed. Passenger side and rear area of driver's compartment will not be sheeted over. All holes must be covered in firewall, floor and trunk bulkhead.
- L. Cars need to be CLEAN with body panels intact at the beginning of the race meet.

## 2. FRAME & ROLL CAGE

- A. STOCK FRAME. NO alterations, reinforcing, plating etc. All frame and body mounts must be stock. All repairs subject to tech approval.
- B. All cars must have four (4) point roll cage. Cage must be bolted to floor with 4x4x3/16 flat steel. Four (4) upright bars will be mandatory with three (3) door bars on both sides.
- C. 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.**
- D. Front and rear roll bar MANDATORY. Call tech inspector if you have any questions.
  - 4. Kickers are optional and may only be in the inside of the car. Kickers may not extend past rear firewall. No diagonal bars.
- E. Must have a rear support bar behind the driver's seat.
- F. All cars will be required to have a middle windshield bar that runs from the roof bar downward to the dash bar.
- G. Padding around driver is required.
- H. 1 1/2" outside diameter steel pipe.

## 3. ENGINE

- A. Factory engine and components only industry standard OEM replacement internal engine components allowed. No aftermarket high performance parts allowed. Engine must be in stock position. Engine can be 6-cylinder or V-8.
- B. Cast iron intake and exhaust manifolds only. If no OEM cast iron intake is available for engine, then OEM aluminum intake OK. SUBJECT TO TECH APPROVAL. No headers or speed equipment of any kind. Mufflers and tail pipe mandatory and exhaust must exit behind driver. After market mufflers are acceptable.
- C. Cylinder head must be stock OEM iron heads. No aluminum.
- D. No racing oil pans.
- E. No roller cams or lifters.
- F. All cars must have a minimum of 17" of vacuum at 800 rpm's for three (3) minutes.**
- G. All cars must idle at 400 rpm's for three (3) minutes.**

## 4. CARBURETORS

- A. Stock carburetors **only**. Maximum throttle bore 1 11/16" and maximum venturi bore of 1 1/4".
- B. Holly 4412 is optional, no touch carb, no cutting or machining permitted. 1" maximum adaptor plate is allowed.**
- B. OEM replacement parts only. No speed parts. No race type carburetors.
- C. No boring or polishing of throttle or venturi bores allowed!
- D. No modification of throttle shaft, butterfly screws, or internal parts allowed. NO race-style HOLLEY carburetor.
- E. Must be stock per make, model and year.
- F. Fuel injection okay, **with 200 pound weight penalty..**

## 5. BUMPERS

- A. All bumpers must be standard for the make and model of the car.
- B. All stock bumpers must be reinforced so as to be securely fastened to the vehicle. Reinforced means to attach the bumpers to the body, so that it cannot be hooked or knocked off if the car is impacted. Bumper

shocks must be welded.

C. Tow loops are mandatory – both front and rear.

## **6. TRANSMISSION**

A. Automatic or standard transmissions allowed. Must have stock OEM converters.

B. Stock type clutch and flywheel or flex plate required.

C. All transmission components must be stock.

D. Safety bell housing or transmission blanket allowed.

E. No aluminum, cutting or special over-the-counter type flywheels.

## **7. REAR ENDS & STEERING**

A. Must be stock (make-to-make). No floaters or quick changes. Stock tread width must be maintained.

B. Gear ratio optional.

C. Posi-traction optional. Welding of rear end is optional. No lockers of any kind.

D. Must have drive shaft hoop 12 inches from front u-joint. Drive shaft must be painted white.

**E. Driveshaft must remain stock.**

**G. Removable steering wheels are mandatory and must lock securely to the steering column.**

## **8. SUSPENSION**

A. Must remain stock.

B. No cutting, heating, welding, drilling or modifying of any suspension or steering components.

C. No weight jacks. No spring spacers. No racing shocks. Only one shock per wheel in stock location.

D. Control arms must remain stock OEM. Control arms may not be changed from side to side. No drop ball joints. "A" Frames must remain unaltered. No offset upper control arm shaft.

## **9. BRAKES**

A. Factory stock. Hydraulic on all four wheels if original specs provided for hydraulic. Disc if specs provided for disc. 2

**B. No parking brakes allowed.**

## **10. WHEEL BASE**

A. 108" minimum.

## **11. WHEELS**

A. ~~Stock~~ Steel wheel not to exceed seven (7) inches. Chrome or white spoke OK. Not to exceed seven (7) inches. No wheel spacers allowed.

B. Larger studs optional.

C. All wheels must be the same size **and offset**.

**D. No bead locks allowed.**

## **12. TIRES**

A. Seven (7) inch maximum tread width on DOT casing. Tread width must remain stock.

B. All four (4) tires must be the same letter and number size.

C. Must be street legal.

D. No mud, snow tread, studded, directional, recap or knobby tires allowed. No grooving allowed.

E. No racing tires. Any profile tire is acceptable.

### **13. RADIATOR**

- A. Only one (1) radiator.
- B. Must mount in stock position.
- C. No holes may be cut in hood. Hood must close in stock position.
- D. Must have a one (1) gallon overflow can mounted in engine compartment.
- E. Radiator bar OK. No wider than frame rails.

**F. Water only in the cooling system. No antifreeze or oil of any kind. Water wetter is allowed.**

### **14. ELECTRICAL**

- A. Any 12-volt battery permitted. Battery may be moved to inside of vehicle in passenger compartment or trunk. If the battery is located in passenger compartment, it must be fully enclosed in an approved metal battery box and securely fastened to floor. All battery installations are subject to tech approval. Battery may not be in engine compartment.
- B. Ignition will remain stock. NO duals. No MSD or Accel. Stock coils only.
- ~~C. A column switch is acceptable. A toggle switch instead of column switch is optional and must be in the center of car and clearly marked.~~
- D. ALL cars must have clearly marked “MASTER DISCONNECT SWITCH”, within the driver’s reach and accessible from outside of the car in the center of the drivers compartment. **Location must be on the speedway bar or center cage to the right of the driver.**
- E. No aftermarket electric fuel pumps or pressurized tanks. Any factory fuel injected car may run external electric fuel pump in place of factory in tank pump.
- F. No radios!

### **15. FUEL & FUEL CELL**

- A. Fuel cells are mandatory. Fuel cell must have four (4) straps, 2 horizontal and 2 vertical, and an 8-inch diameter hole in trunk floor for fire rescue access.
- B. Fuel cell must be top feed with tip over valve and mounted in the trunk area behind stock steel firewall.
- C. Gas cap MUST be tethered to the car. **Zip ties are not acceptable.**
- D. Fuel vent tube must end final location below bottom of fuel cell.**

### **16. SEAT**

- A. A commercially manufactured aluminum racing seat is mandatory. Seat must be securely fastened to cage in a minimum of four (4) spots – two (2) on the bottom and two (2) on the back of the seat with grade “8” 5/16” bolts. **Seat cannot be mounted to the floor!**
- B. A five point racing harness is mandatory. Harness must be less than four (4) years old. Subject to tech approval. Belts must be bolted to cage with grade “8” minimum 5/16” bolts.

### **17. SAFETY EQUIPMENT**

- A. A 3-lb fire extinguisher with gauge mounted in drivers reach, mandatory.
- B. Fire suit, neck brace and racing gloves are required. Racing shoes are recommended.
- C. Window nets are mandatory.
- D. The roll bar must be padded at any location that the driver may come in contact with it in the event of an accident.
- E. 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.)

### **18. GLASS**

- A. All glass and chrome must be removed.
- B. Windshield must be replaced with screen mesh (1/2” inch maximum covering all of opening).

- C. No mirrors **or reflective surfaces** of any kind allowed.
- D. A minimum of 3 straps, 1/8" x 1" steel strap will be mounted vertically in front of the driver's side opening evenly spaced. ALL INSTALLATIONS ARE SUBJECT TO TECH APPROVAL.

### **19. IDENTIFICATION**

- A. Car numbers must be on both sides and contrasting color, minimum eighteen (18) inches high and at least twelve (12) inches wide. Hood and deck lid must have three (3) inch high numbers readable from back and front of car. Numbers must be from "0" to "99". **Door numbers must be centered between front and rear tires on both sides.**

### **20. RULES & PROCEDURES**

- A. Cars will be inspected before and after the event.
- B. These events are designed for simple, unmodified factory type cars. Only factory type cars will be allowed to compete.

### **21. WEIGHT**

- A. **All cars must weigh a minimum of 3400 pounds with driver at all times. The only exception is a car with fuel injection. A 200 pound penalty must be added to any car running fuel injection.**
- 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.**

## **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 Pure 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 1<sup>st</sup> 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.**