

YAKIMA SPEEDWAY

PURE STOCK

2012



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EXPLANATION

The Pure Stock class is designed as an entry-level class.

Drivers must be Yakima Speedway members, 16 years of age or older and registered as a Yakima Speedway Pure Stock division driver. Any drivers or crew entering the pit area under the age of 18 MUST HAVE an approved minors release form on file with the speedway office – NO EXCEPTIONS – Anyone entering pit area must have a pit pass.

See Youth Racing Eligibility Requirements in Track Rules Section regarding youth participation in this class.

This class is designed as an entry level, learning, competitive, inexpensive alternative that will stress safety, fun and competitive racing on the ½ mile oval.

All decisions regarding construction, safety and race procedures will be made by Speedway Officials. Their decision is final. If it does not say you can do it, you can't. Every effort will be made to keep exotic, expensive and performance advantages in check. This is a learning class that will be strictly monitored for safety, and non-original parts and equipment.

Rules changes will and can be made in the fairness of competition during the season.

THIS CLASS IS FOR NEW CARS TO BE BUILT AND OLDER SPORTSMAN STOCK CARS TO BE CHANGED INTO THE NEW CLASS RULES. THEREFORE SOME EXCEPTIONS MAY BE MADE TO ACCOMADATE ANY OLDER SPORTSMAN CARS TO CONFORM TO THE NEW CLASS RULES. THESE DECISIONS WILL BE MADE ON A CASE-BY-CASE BASIS AND THE DECISION OF THE SPEEDWAY OFFICIALS WILL BE FINAL. Every effort will be made to accommodate any and all cars that meet the safety requirements.

1. COMPETING MODELS;

Open to all steel bodied cars, station wagons, and pickups, 1950-1993.
No convertibles or sports cars.

2. CAR WEIGHT:

Minimum weight of 3100 pounds.

The "9-pound per cubic inch rule" will determine required car weight. Cubic inch must be declared by car owner and indicated on the hood of each car with numbers of 4" minimum in height for technical inspection purposes. Cubic inch will be checked periodically through out season.

EXAMPLE #1: Car has engine with 350 cubic inch displacement. $350 \times 9 = 3150$ pounds. Car must weigh 3150 pounds with "350 C.I.D." indicated on hood.

EXAMPLE #2: Car has engine with 302 cubic inch displacement. $302 \times 9 = 2718$. Car must adhere to "3100 minimum" rule. Car must weigh 3100 pounds with "302 C.I.D." indicated on hood.

3. GENERAL CAR CONSTRUCTION RULES;

- A) Minimum wheelbase of 101".
- B) All upholstery, glass, except windshield, flammable material must be removed.
- C) Windshield must have a minimum of 4 clips, two top and two bottom, holding the windshield in place.
- D) No excessive removal of metal except for tire clearance.
- E) Hoods and deck lids may be gutted. Hoods and deck lids must be securely fastened and pinned.
- F) No gutting of interior sheet metal except for roll bar installation.
- G) In the case of a car that was built for another class, any metal removed must be replaced with metal at least as thick as metal that was removed. Front and rear firewalls must have all holes covered to seal off drivers compartment. Front inner fender panels may be removed.
- H) Radiator core support must be intact with trimming to allow the installation of radiator protection bars.
- I) Bumpers must be strapped to body.

- J) **Aftermarket, plastic noses, will be allowed as long as it resembles OEM look. This is a cost savings, part availability, effort.**
- K) Doors must be securely welded shut.
- L) No rear spoilers or front air deflectors even if stock production. All external glass, trim plastic and metal frames etc. must be removed and holes covered.
- M) Must have a racing metal seat. No fiberglass or stock bucket seats. Seats must be securely attached to roll cage and not floorboards. Headrest is mandatory.
- N) Steering wheel must be quick release type and center of steering wheel padded. All roll bars, within reach of driver must be padded with high-density foam.
- O) No key type ignition switches. Must have on/off switch within driver's reach and clearly marked.
- P) Battery may be relocated but enclosed in a secure, sealed container. If fuel line runs inside of drivers compartment, must be enclosed in a steel tube.
- Q) No electric fuel pumps.
- R) Stock fuel tank and filler must be removed. An approved fuel cell must be securely attached to the trunk floor. All cars must have a fuel cell. **No part of the fuel cell shall extend below the trunk floor.** Antifreeze NOT allowed. Must have four-wheel brakes in good operating condition. No interchanging of parts, must be OEM for frame and body used.

4. COMMUNICATIONS

- A) Any type of two-way or similar communications devices are not allowed.
- B) **Racecievers are MANDATORY, to be purchased from the Speedway. To be used only for instructions (cautions, line ups, etc.) from the track officials during events.**

5. ENGINES;

- A) Any American 4, 6 or 8 cylinder allowed. MUST BE ABSOLUTLY STOCK. No modifications.
- B) Engine vacuum rule is 15 inches of vacuum at 1000 rpm.
- C) No fuel injection. Carburetor must be OEM 2 barrel for make and model of engine, body used and must be completely stock, including the choke. Choke plate may be wired open but must remain intact. **A track provided restrictor plate will go between the intake manifold and the carburetor with gaskets on either side of the plate. A 1/4 inch gasket shall be used between the carburetor and plate. A paper gasket (max. thickness of .065') shall be used between the plate and intake manifold.**
- D) No aftermarket oil pans, ignitions, carbs, or other high performance items allowed. This means the normal, regular passenger car type components, not high performance options or parts that are only offered on high performance cars. If you have a question about an engine component, ask before you install it.
- E) Aluminum radiator no more than 30 inches wide or any copper allowed.
- F) Must have air cleaner. Only round paper or washable/reusable (K&N style) air cleaners allowed. Minimum of 12" diameter and maximum of 16" diameter. Must be a minimum of 1 1/2" in height and maximum of 4" in height. The air filter may not be sprayed with any type of chemical or liquid other than recharging oil. The top and bottom must be the same diameter. The air cleaner top hole may not protrude more than 1" below top of lid. No K&N style tops or bases (air directing). Air must enter the carb from the side of air cleaner. No tubes, funnels or any other device that may direct the flow of air into the carb will be allowed. No air boxes.
- G) Intake and exhaust manifolds must be cast iron, stock, and not high performance. No four (4) barrel intake manifolds.
- H) Maximum exhaust size is 2" inches Outside Diameter (OD). Exhaust must exit to the out side of car.

All cars must meet DB ruling.

6. Transmissions, etc;

- A) Must be stock production 3, 4 speeds or automatics.
- B) Clutches must be stock.
- C) Manual transmission cars must have an approved scatter shield or belting of the entire transmission hump. Belting material must be at least 3/8 inch thick and approved by officials.
- D) Drivelines must have two straps, one behind the transmission and one in front of the rear end to contain the driveline in the event of a driveline failure.
- E) Original factory rear differential gear ratio is mandatory.

7. Wheels, Suspension, etc.;

- A) Cannot be more than 7 inches wide with a three and one half inch (3 and 1/2") backspacing and a straight offset. Wheels must be heavy duty, racing or double center type. White spoke wheels approved. Wheel studs must be a minimum of 5/8 diameter.
- B) Tires will be D.O.T 75 series tires only. All four tires must be the same size. No speed rated or performance tires. No recaps. Tires may not be soaked, grooved to change the design or hardness of the tire..
- C) All suspension must remain stock and in stock position.
- D) Shocks must be steel body, non re-buildable shocks. Shocks must mount in stock location with stock mounting.
- E) Can be any production spring. Cutting and/or heating of spring will be allowed to obtain 6" ride height. No spring spacers. Spring rubbers are allowed. Sway bars must be stock with stock mounts and attachments (mounting bolt length may be altered for pre-load adjustment only). Lowering blocks will be allowed in rear.
- F) All steering and rearend components must be stock. No interchanging of parts.
- G) No more than 1 inch of negative or positive wedge is allowed. Wedge will be check by jacking rear axle. Tire pressure will be at the official's discretion.
- H) No positrac, locked or limited slip rearends allowed. Rear disc brakes allowed only if original to manufacturer of the car. (The burden of proof is on owner or driver).
- I) Minimum frame height is 6 inches
- J) . Tech tire pressures are as follows; Left side 18-20 psi, Right side 28-30 psi, These pressures will be checked during tech.

8. Roll cage;

- A) Must have a complete roll cage of no smaller than 1 3/4 steel with a minimum wall thickness of 1/8th inch, or 095. for tubing. Roll cage must be securely fastened to frame or floor pan and must be approved. Any roll bars that are not welded to the frame must be welded to a plate then plated from under the floor pan and bolted in (4) corners of the plates. Plate minimum thickness of 1/8".
- B) Three door bars on the left and two door bars on the right, minimum. Must also have three vertical bars connecting door bars. Front hoop bars are optional, but recommended. Must have rearward bars to protect the fuel cell. Seat must be securely attached to roll cage.
- C) Roll cage construction must pass safety inspection of Yakima Speedway Officials.

8. Safety;

- A) Must have a fully charged, minimum 2 lb. dry chemical or Co2 fire extinguisher securely mounted with in reach of the driver. May not be mounted with duct tape, wire or wire ties. All drivers must have a fire resistant full, top and bottom, fire suit.
- B) Helmets must meet at least a Snell 90 rating or better and must be approved before competition. Must have an approved, racing seat belt, full shoulder harness of the 5-point design. Lap belt and shoulder harness must be 3" and crotch belt 2". Nomex gloves required, Nomex shoes and underwear recommended. Head and neck restraints highly recommended. Must have a drivers side window net with a seat belt type release, securely fastened at the top.