

2018 Owosso Speedway Pure Stocks Rules

This is a division designed with the budget racer in mind. If you feel that you have to do more than knock two windows out, put a roll cage in and go racing, this division is not for you. ***This class is intended for beginners, although all drivers are welcome. If you are an experienced racer in this class the ultimate responsibility for patience with inexperienced drivers rests with you. Mistakes in judgment happen with inexperience frequently while racing.*** People need a place to learn, this class affords rear wheel drive experience at a lower horsepower ratio. In this division we will allow some adjustments to your suspension; however, you must have the right parts for your make of car. ***The intention of this class is to provide a racing avenue at an affordable price. These cars will be inspected for alterations making them less than stock. If the part is not stock, do not install it on your car!***

A. GENERAL APPEARANCE AND CAR NUMBERS:

- a) Cars must reflect high degree of professionalism. Cars must be finished in detail, including plating of body holes, neat appearing decking, etc. Body must conform to stock contour and design. Cars must have available space for contingency and track sponsors.
 - b) The numbers must go in the following areas:
 - 1. On the Door or on rear quarter panel.
 - 2. On the roof, so it can be read from the outside of the track.
 - c) Car numbers must appear on both doors 18" high with a minimum 3" stroke or on the rear quarter panels. Driver's name will be placed on the roof over both doors, or the very bottom of both doors.
 - d) Car numbers must appear on upper right hand corner of windshield as well as back bumper panel. 6" stroke minimum.
 - e) All drivers must reflect a high level of professionalism. Drivers are expected to maintain a clean and neat personal appearance. Drivers are expected to have clean and well maintained fire suits. If requested, drivers are expected to comply with patches being neatly affixed to their fire suit.
 - f.) Drivers are responsible for the conduct and appearance and actions of their crewmembers.** Ultimate responsibility and punishment for any violation is with the driver.
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- ## **B. SAFETY:**
- a) Approved driver's side window net with quick-release mechanism attached to roll cage is mandatory. Driver must be able to enter or exit out both doors through window openings.
 - b) Must be able to see through rear window.
 - c) All helmets must have a Snell 95 or 00 rating. A face shield is mandatory.
 - d) Fire-resistant driver's suits mandatory and full coverage fire-resistant underwear highly recommended. Fire-resistant full coverage gloves are also mandatory.
 - e) Only SFI-rated 3" wide, 4, 5, or 6 point safety harness less than 5 years old will be allowed. Safety harness must be properly mounted per the manufacturer recommendations!
 - f) Only aluminum racing seats allowed and must be properly mounted to the cage. Perform your own safety research on the internet or through seatbelt manufacturers for proper mounting techniques and methodology. Mount your seat properly for your own safety!
 - g) A safety neck brace (horse collar) is mandatory. **Head and neck restraints are strongly recommended.**
 - h) A min. five (5) lbs **Working** fire extinguisher securely fastened within easy reach of the driver is mandatory!
 - i) A four point cage of at least 1 3/4" O.D. x .095 wall tubing is required, and must remain in the interior of the car. Door bars required. Four [4] on drivers side with steel plate from top to bottom and from front to the back of the door bars. Three [3] on passenger side. Front and Rear Hoop is allowed for safety. Not mandatory.
 - j) No car will be allowed to race without any of the proper, mandatory, safety equipment. It is your responsibility and may be random spot checked at any time.
 - k) Full hoops front and back will be allowed. It is optional.
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C. TIRES: a) Made for racing rims allowed and recommended.

b) Wheels. Any 8" offset steel wheel is OK. No made for racing tires allowed. 1" lug nuts are MANDATORY.

c) Tires, any D.O.T. steel belted radial treaded tire UNDER eight 8 inches tread width. 235 – 60s max

d) No made for racing tires. Stock radial tires only. NO RECAPS OR RETREADS.

e) No soaking of tires allowed.

f) Front fender inner liners may be removed.

D. BODIES:

a) Any American made automobile with a wheelbase of 108" or more will be allowed. 4-door models and station wagons are encouraged and highly recommended for this division. NO LEAF SPRING CARS!

b) No alterations except those allowed in this rule book.

c) Both bumpers must have wrecker hooks installed.

d) All doors must be welded shut. Hood and trunk must be able to be opened by OWS Track Officials without using a tool of any kind.

f) Rear and side glass must be removed. Windshield may stay, or be replaced with 1/8" Lexan. All other glass must be removed (Headlights, taillights etc.).

g) No Aluminum Body components.

E. BATTERY and FUEL TANK:

a) Battery **must** be mounted in the trunk with 2 – 1" metal Straps. In the event of a collision battery contacts may not come in contact with fuel cell or fuel lines.

b) Battery and fuel cell must be secured by two 1" metal straps.

c) **Fuel Cap must be tethered.**

d) Plumbers tape is not approved.

e) Made for racing fuel cells **Mandatory**. Must have safety hoop.

F. COOLING SYSTEM:

a) Aluminum racing radiator's are allowed but not mandatory.

b) Water is the only approved coolant. **NO ANTIFREEZE – NO EXCEPTIONS**

c) Aftermarket pulleys and brackets are permitted

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G. ENGINES AND EXHAUST:

- a) Motors may be rebuilt to stock specs only.
 - b) Will allow overbore pistons
 - c) No stroking or de-stroking allowed.
 - d) Maximum of .410 lift camshaft measured gross lift at valve.
 - e) No racing or performance enhancing components or any kind allowed.
 - f) 400 cubic inch motors must run stock type 2bbl Rochester carb on GM.
 - g) NO 377, 383 or any other non stock bore stroke combinations.
 - h) Camel back heads are allowed. Be prepared to be checked for porting and polishing.
 - i) No porting & polishing.
 - j) Engines will be pumped at tracks discretion. It may be once. It may be every night.
 - k) Non Stock Stroke or over compression will be DQ Losing points and position money.
 - l) Maximum 10 to 1 compression. **You cannot under any circumstances exceed the specified lift rules.**
 - m) No fuel injected engines allowed. Stock 2 barrel or 4 barrel.
 - n) No carburetor spacer's allowed unless 400.
 - o) 1 inch adapter plate allowed to mate 2bbl to intake.
 - p) Aftermarket pulleys and power steering pump ok.
 - q). Aftermarket Valve Covers ok. Any engine component considered to be high performance, even if stock, is not allowed.
 - r) Dual or Single exhaust 2" max O.D. **No Center Dump Exhaust Manifolds of any Kind.**
 - s) Must exit behind Driver using 2" ID muffler. Dual exhausts will require Dual Mufflers.
- Track may check at its discretion for Brezinski or Acid Ported components at any time. Non compliant intake, head and exhaust parts will be confiscated and a \$250 non refundable fine paid to tech and Owosso Speedway to get your parts back. Bowl areas underneath valves must retain sharp edge- no polishing, no bowl hogging. Track retains right to tear down any competitor at any time and will replace your gaskets with stock Felpro gasket components if car is complaint at tracks expense. If car is illegal track has no obligation to refund gaskets.
- t) The track at any time during a competition event or tech inspection may ask you to look at the internals of your engine. The track at its discretion may ask you to pull the 1" Inspection Plug to inspect for pendulum cut cranks and or lightweight pistons and rods. (We have a lighted Bore Scope that we use for this inspection)
 - u) GUIDE PLATES, SCREW IN STUDS ALLOWED. NO ROLLER ROCKERS.
 - v) **1" inspection bung must be installed in oil pan above oil level line. Must provide unobstructed view of crankshaft and components. NO EXCEPTIONS!**

H. SUSPENSION:

- a) Welded or Posi-traction rear ends allowed.
- b) No frame alterations of any kind (we will allow rear frame rails to be replaced with square tubing if rusted out) discretion of OWS official's. Front springs must be the same height and same coil count. Rear springs must be the same height and same coil count. If spacers are used need to be same side to side.
- c) Non-adjustable shocks allowed.

The track at any event at any time may ask you to swap your springs.

- c) All trailer hitches and like add-ons must be removed from the vehicle.
- d) Drive shaft loop 1/3 of the way from the front of driveshaft is mandatory (chain OK).
- e) Control arm length may be checked vs. the chassis you have built. Small metric must remain small metric spec. Midsize- Midsize spec and Big Car is big car spec. No replacing ball-joints with Camaro- S-10, ½ ton truck or any other roll center or camber change altering ball-joint. This will result in DQ. No intermixing of components at all in any way on your suspension.
- f) 5" minimum ride height measured at the frame rails.

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- g) You must have operational brakes on all four wheels and they must lock up during inspection. No brake shut off devices or proportioning valves allowed. You must have stock or OEM calipers and rotors. No drilled or lightened rotors. No rear disc brakes.
 - h) No non-adjustable shocks allowed.
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I. TRANSMISSION:

- a) Stock automatic transmission only.
 - b) No Power Glides
 - c) 12" diameter converter minimum
 - d) We will check and test for Direct Drive Transmissions
 - e) 350 Turbo; 400 Turbo and all Metric Variations must retain all working gears. No removal of gears or lightened gears allowed.
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J. WEIGHT:

3500 Lbs Minimum. All weights will be the minimum before the feature event. All weights will be measured with the driver in the car. The track scales are the official scales and all decisions will be based on the official scales. "Lead" is the only approved ballast material. No Tungsten, cement, asphalt or any other combination of materials will be legal. Lead must be painted white with your car # on it in a contrasting color and secured by at least (2) ½ inch bolts.

K. GENERAL:

- b) Post production parts are generally not allowed so don't not assumed that something is legal just because it is not specially stated in the rules. Check with Owosso Speedway officials if you have questions.
- c) Owosso Speedway wishes to encourage fair competition among this division. You may be required to add weight to your car at the discretion of Owosso Speedway Officials.

Amendments and Clarification of 2018 Pure Stock Rules

SUSPENSION CLARIFICATIONS:

1. Front springs must be the same height and same coil count. Rear springs must be the same height and same coil count. If spacers are used need to be same side to side.
 2. Non-adjustable shocks allowed.
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K. GENERAL:

Pure Stock Protest Rule

I You must have the following qualifications to protest a Pure Stock:

- a) You must be a Drive in the Pure Stock Division
- b) You must have Raced in the two most previously run features in this division
- c) You must finish this night's feature on the lead lap AND finish in the top 10
- d) Protest must be made within 10 minutes of the race ending/winner pulls into tech area

II If you qualify to protest:

- a) Protest fee \$500 cash
- b) Protest must be specific (i.e. cam shaft or shocks) not general (i.e. motor or suspension)
- c) Only one car protest will be allowed per night. The highest finishing car protested will be the car that is inspected (i.e. if the 3rd place and the 1st place are both protested, only 1st place car will be protested)

III Tech protest procedure:

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- a) The protested car will be allowed to have present the driver, and 2 crew members (3 will be allowed if necessary for motor removal), the driver making the protest, and tech personnel. The barn doors will be closed and no one else will be allowed without expressed permission from tech inspector.
- b) Tech inspector will set a reasonable time limit for the inspection to be completed
- c) NO CROWDS OUTSIDE THE TECH BARN. People will be asked to leave if necessary.

IV If you refuse a protest inspection:

- a) You will be disqualified and lose your points and position for the night
- b) You will receive an indefinite suspension for this class at Owosso Speedway
- c) You will receive tow money for the night

V After the protest inspection:

- a) If the protested part is found to be LEGAL – the driver of the car will get the money and keep his points and finishing place
- b) If the protested part is ILLEGAL the protesting driver will get to keep his money Additionally the driver of the car with the illegal part will be disqualified for the night

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