



**2025 Pro 4 Rules**

Updated 1-1-25



Orange Show Speedway and SMH Enterprises reserves the right to alter or amend the rules and regulations in the interest of safety, cost control, and/or fair competition. It is the responsibility of each competitor to read and understand the contents of these rules. If there is a disagreement or dispute regarding the meaning or application of these rules, the decision of the OSS Tech Director shall prevail.

No expressed or implied warranty of safety shall result from publications of or compliance with these rules and/or regulations. The rules and/or regulations set forth herein are designed to provide for the orderly conduct of Orange Show Speedway racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules.

No pretense is made for having designed a foolproof set of rules and regulations. The spirit and intent of the rules is the standard by which Orange Show Speedway events will be governed. The Orange Show Speedway Tech Director is authorized to decide if an equipment change or modification is an attempt to circumvent these rules. The Orange Show Speedway Tech Director can and will disqualify a race car in violation of the spirit and intent of these rules. If this rulebook does not specifically state that you can alter, change, or otherwise modify something on your car, you should consider it a violation of these rules. No part is deemed to have been approved by Orange Show Speedway or its Officials by passing through prior technical inspections.

The Tech Director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. No expressed or implied warranty of safety shall result from such alteration of specifications. Any interpretation or deviation of these rules is left to the discretion of the Tech Director. His decision is final.

These rules are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official. All participants, guest and crew members fully understand that racing is inherently dangerous and that they are exposed to risks of death or serious bodily injury. The participants, guest and crew members voluntarily assume these risks.

## **COMPETING MODELS AND BODIES**

Any ABC Body style Fiberglass or Aluminum. Hood and deck lid pins required. 6 1/2"x60" rear spoiler top 2" clear lexan. No outlaw style bodies.

## **BUMPERS**

Tubed bumpers must not extend outside of the body with no sharp edges.

## **WINDOWS**

Windshield and rear window made of Lexan may be used. Minimum thickness is 1/8 inch. Windshields must be supported between the dash bar and the roof halo bar with a minimum of two (2) evenly placed metal straps 1/8 inch by 1 inch or a single 1.5 inch bar in the center of the windshield welded to the dash bar and the roof halo bar.

Wire mesh minimum .5" allowed. , rear side Lexan windows permitted. Driver side window net is required on all cars. Net material must be minimum 1 inch wide and have openings of at least one (1) inch. Net must be equipped with a quick-release device on the top left corner. Mirrors ok.

## **FRAMES**

Full NASCAR type roll cages are mandatory. Bars must be a min. of 1 1/2" O.D. X .090" wall thickness, gusset as necessary for strength. Minimum of three (3) door bars required on both sides. Right side can be straight. Fuel cell protector required, no more than the width of the frame rails. Full tube chassis with 2x2 090 wall Minimum frame rails straight or offset chassis ok.

## **WEIGHT, WIDTH AND WHEELBASE**

Min. weight 2100 lbs. Maximum left side weight 59.0%, Front tire width will be measured at spindle height NOT TO EXCEED 77" outside rim lip to outside rim lip. All lead must be securely fastened to the frame using (2)-1/2" bolts or enclosed in a rail with ends secured to prevent loss or movement of weight.

All lead must be painted white and have a car number printed on it. No lead is not to be mounted behind or on to the rear end housing, as well as, no further forward than the motor. Any lost lead will be subject to a fine of a minimum \$10 per lb lost. Tech will measure from spindle height inside rim to outside rim/ that will be 67" for you at home with toe plates 77" is rim lip at bead not outside tire.

## **ENGINE**

As of right now Ford 2300 or 2000 motor only. No titanium parts. Steel rods only. Stock length rods ok. Only 5.7 aftermarket rods produced by Manley or Esslinger allowed. 10.0 to 1 max compression ratio. Engine oil coolers allowed. No dry sump oiling. Aftermarket oil pans, valve covers, water pump, fan pulleys are allowed.

Heads: Stock heads only. A stock head will be characterized as a cylinder head which was offered as standard equipment with no performance advantage. Stock for year, make and model

2 plug head add 50 lbs. No special performance options will be allowed, including but not limited to, oversize valves, special cut valves, relocated intake or exhaust bowls or ports. Stainless steel valves approved. No porting or polishing will be allowed. No roller rockers on the valve. side or cam side permitted.

Max. cam lift is .480" measured at the valve. No billet camshafts. Cast iron camshafts only. 2302 cc max. plus max. overbore .060" Engine Blocks: Stock blocks only. No modifications allowed. Stock stroke for engine being used. No Teflon coated parts. Stock lifters only. Solid lifters permitted. Stock type timing belt only. No titanium parts allowed. (call for approval)

### **CARBURETOR**

Stock Holley list 7448, 350 cfm carb only. Must remove choke butterfly plate, shaft and linkage. No other modifications allowed. No VDL, CARB shop or any other aftermarket re-worked carbs allowed. 2 carburetor return springs required must be mounted to the engine block. Any unmodified OEM intake manifold, no turbo intakes, and max 1" thick carb spacer or adapter. No vacuum leaks. No screw in Air bleeds.

### **AIR CLEANERS AND FILTERS**

No cold air induction allowed, K&N air filters are allowed. No air deflector allowed in front. Air filters only. Top and bottom of the air cleaner must be the same diameter. Tubes, funnels, or any device which may control the flow of air, will not be permitted inside the air cleaner or between filter housing and carburetor.

### **ENGINE MOUNTS**

All mounts must be securely bolted and adjustable mounts are not permitted. Engine setback rule is 4" from the centerline of the lower control arm heim joints to the front oil pan seal lip.

### **ELECTRICAL SYSTEM**

Stock ignition only. No performance aftermarket distributors, components, or magnetos allowed. No MSD, or dui components allowed. No traction control. All cars must be equipped with a master electrical switch located in the cockpit of the car.

The switch must be within reach of the driver and safety crew from the left side of the car, the switch must shut off the car. Batteries must be securely mounted within the confines of the body and behind the driver, in front of the rear axle and contained in an electrically insulated container. No marine or plastic type boxes allowed.

### **ENGINE COOLING SYSTEM**

Stock or electric fans are permitted, and must have a shroud. Water overflow catch can unit required. One (1) quart minimum, vented out to windshield, metal or plastic, mounted in the engine compartment. No antifreeze or similar products. This is a finable offense. Water Wetter ok.

## **ENGINE EXHAUST SYSTEMS**

Any Stock OEM cast exhaust manifold, steel or stainless steel headers are approved. No aluminum or coated headers. An approved muffler is mandatory, must not exceed 95 db @100 feet. Exhaust must extend past the driver's compartment and

remain under the car. Exhaust may exit on the passenger side of the race car in front of the right rear tire. 3" max exhaust pipe.

## **DRIVE TRAIN**

Stock style clutch and flywheel for model being used only. Clutch disc must contain all magnetic steel parts. Stock steel OEM or after-market steel billet flywheel. Aluminum flywheels are allowed. Min. weight of the flywheel is 10 pounds. Steel scatter shield mandatory. Track scales will be official. Stock type transmission only.

No modifications. All gears must be operable including reverse. Steel locked, limited slip, or positive-traction differentials are permitted. Rear end must be centered in the car. Steel Floater type rear ends are permitted. Quick change rear ends allowed.

Any OEM steel rear end allowed. 2 driveline straps, 1" x 1/8" required, mounting to be within 6" of the U-Joints are required on rear drive vehicles. Steel Drive shaft must be painted white and have a car number for on track visibility in the event it should become separated from the car. No cambered or toe in rear ends.

## **SUSPENSION AND BRAKES**

Coil over shocks with a shelf value of no more than \$200 per corner, no adjustable valving shocks will be permitted, no bump stops or coil bound aloud will result in DQ if your springs will fully compress before frame touches ground, All Shocks will have a claim rule of \$200 per corner no exceptions.

This rule will eliminate guys spending money on shocks. Brakes 4 wheel disc allowed aftermarket pedals and wilwood calipers with no more then \$200 each caliper. Brake bias allowed in car within driver reach. No adjustable suspension parts in reach of driver during competition.. car must recover to clear ride height rule under its own. No lifting or jacking car up. Car will be required to clear 2.5" ride height. If your car won't recover to ride height on its own automatic DQ.

## **STEERING COMPONENTS**

Stock steel OEM steering components or aftermarket racks allowed. Quick release steering wheels are required. Steering column must be collapsible. U joints are acceptable.

## **FUEL SYSTEM**

Pump fuel only or track race fuel only. No additives, octane boost, or methanol. No cheater fuel of any kind. All cars must be equipped with an approved fuel cell, securely mounted in the trunk

area as far forward as possible. Minimum 5" ground clearance. Fuel cell must be mounted with a steel framework (1 inch x 1/8 inch minimum) and must have a vent hose and the hose must have a check valve in the end.

Fuel cell must be totally enclosed in an 18 gauge steel box with a 1/2 inch drain hole in the lower right rear corner. Ground strap required from fill neck to frame. Tethered cap. Maximum fuel capacity 8 gallons. If the fuel line runs through the drivers compartment it must pass through a metal tube sealed at both ends and brightly marked "do not cut fuel line". Must have a fuel cell protection bar.

### **TIRES AND WHEELS**

Steel wheels are mandatory, max 10" width x 13" any offset. Tire and wheel must stay inside of the fender and quarter panel. Stock type after-market long wheel studs allowed and recommended. All studs must have threads showing through the lug nut.

No Bleeders. Wheel spacers and wheel adapters allowed. American Racer tire.

### **Seats and Safety Equipment**

For all safety equipment. It will be the sole responsibility of the driver, not OSS, their agents/officials or corporate officers to ensure that his/her safety equipment is correctly installed, maintained, and properly used. Please refer to manufacturer installation and usage guidelines and adhere to them. Aluminum professionally built high back racing seat required. No plastic, etc.

Padded headrest required. Seat must be securely bolted to a mount assembly that is an integral part of the roll cage. 6 bolts min no smaller than 3/8" diameter bolts. A five (5) point safety harness, with quick release is mandatory! 3" wide lap belt, 2" or 3" shoulder belts, and a 2" submarine belt. All belts shall be attached to the roll cage using minimum 3/8 grade 8 hardware and safety cables. Loop around belts ok.

Cotton harness components prohibited. Safety harnesses/seat belts may be no more than three (3) years old. Must have a manufacture date. Snell SA2010 or SA2015 helmet required. Full face helmets with Lexan face shield recommended. Nomex helmet, skirt, and Nomex covered chinstrap highly recommended. A HANS or Hutchens type head and neck restraint device is strongly recommended; minimum of a neck roll required. Window net mandatory! Minimum 1" webbing with release at top only. It is required that all window net releases be updated to the quick release seat belt type with releases located and facing the outside of the car. No close mesh off-road type allowed.

Fire suit is mandatory at all times. Two layer one piece suit recommended. Two piece suit ok. Single layer proban suit ok with nomex underwear. Approved racing gloves mandatory. No welding gloves, gardening gloves, etc. Approved racing shoes mandatory. Eye protection is mandatory and must be in the proper place at all times. Current test date (2 pound minimum)

fire extinguisher to be installed in the car within drivers reach while strapped in. Steel mounts only, no plastic.

All cars will be required to have in their pits a minimum of one five pound, Halon or dry chemical fire extinguisher. This is to be visible to tech officials and all crewmembers. All crew members must be made aware of this location, and knowledgeable in the use of the fire extinguisher. Car and driver will be required to make safety rule violations comply PRIOR to racing any event. The use of a two-way radio with a spotter and/or pit crew is mandatory. OSS official radio frequency is 462.6750. It is highly recommended that all racers monitor this frequency during all races. This will speed up getting cars lined up during yellow flags.

### **APPEARANCE AND IDENTIFICATION**

All cars are to be neatly and brightly painted. Numbers will be a minimum of 18" on the roof and both door panels. Numbers on the roof to face toward the scoring tower (flag stand). No aluminum foil type lettering. Numbers assigned to car will be displayed on the top right front of windshield, 3" minimum. Drivers first and last name to be placed above each door, on the roof in 3" letters minimum.

No duplication of numbers, additional letters such as "X", "Y", "and N" are not to be used. Advertising or names on the windshield is not permitted. This will be reserved for a series sponsor. Advertising that is deemed to be unsuitable/offensive, will not be allowed. Decision of the OSS Tech Director will be official. Series sponsor decals, if any, must be placed on designated locations of the car to be eligible for awards. This is to be completed PRIOR to competing in any event.

### **ELECTRONICS**

No electronic monitoring computer devices capable of storing or transmitting information except tachometers. No digital gauges, timing retard controls or oxygen sensors allowed. No electronic traction control devices allowed.

All rules are subject to change at any time if deemed necessary to ensure even competition within the division.

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