

## **2025 Owosso Speedway Late Model Sportsman Rules**

NOTE: OWOSSO SPEEDWAY DOES NOT EXPRESS OR IMPLY ANY WARRANTY OF SAFETY RESULTING FROM THE PUBLICATION OF, OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. THESE RULES ARE INTENDED AS A GUIDE TO THE CONDUCT OF THIS SPORT. AND IS NOT IN ANY WAY A GUARANTEE AGAINST INJURY OR DEATH TO ANY PARTICIPANT, SPECTATOR, OR OFFICIAL.

THE ABSENCE OF A PARTICULAR RULE DOES NOT NECESSARILY MEAN IT'S APPROVED. ANY INFRACTIONS OF THE RULES MAY RESULT IN A WEIGHT PENALTY (FOR THAT EVENT) OR NOT BEING ABLE TO COMPETE ENTIRELY.

ALL IDENTIFIED RULE INFRACTIONS MUST BE RESOLVED PRIOR TO FOLLOWING EVENT (NO ON-GOING WEIGHT PENALTY SUBSTITUTE)

Owosso Speedway Late Model Sportsman rules have a challenge; most tracks don't currently have to create fair competition between two very different drivelines. Cars from one side of the state most commonly use built motors, active rear suspension and open differentials. Where the cars from the other side of the state are most commonly crate engines, spool rear ends and non active suspension. It's a tough balancing act where weight or a rev limiting chip will be used to create fair competition. We also have brand new high grip asphalt which allows great grip for higher horsepower engines. The bottom line is for this class to succeed, we need the cars from both areas to create a strong car count and give our spectators a great show.

**Please Note: It is the driver's responsibility to look over and/or upgrade all personal safety equipment. It is highly recommended that all safety equipment meets the SNELL 2015 or better rating and be SFI/1 approved. It is the driver's responsibility to read through these rules thoroughly and understand them.**

**A type of neck collar is mandatory. Seat belt minimum is 3" if a conventional type neck collar is being used. if a HANS device or similar head and neck restraint is being used where the seat belt shoulder straps go over the platform of the head and neck restraint you will be allowed the use of a 3/2/3/ seat belt system which consist of 2" shoulder straps that pass over the head & neck restraint platform all other belts are 3" seat belts can be used up to maximum age of 5 years. Seat belts must be in good condition and free of cuts or tears, grinder marks, weld splatter, melted areas, extremely sun faded or areas that are rough and extremely weathered. If any of the poor conditions are visible with your seat belts they will not be allowed for use.**

### **1. BASE WEIGHT**

- a. All weight combinations are 59% left side and cannot be 60% left side. All weights are pre-race with driver.

- b. Window sticker for weight will be applied on the first event. The driver and/or team is responsible for proper total weight claimed on window decal. In the event a weight change is made and new sticker must be applied with your new weight claimed pre-tech.
- c. Weight corrections must be declared and approved pre-tech
  - i. The driver or team representative will be responsible for the correct weight on the windshield.
- d. The minimum base weight is 2800lbs. pre-race for the built engine package this applied to the built Chevrolet or Ford engine packages.
  - i. Chevy built motors will be allowed 23\* aluminum or cast-iron cylinder head.
  - ii. Ford built motors will be allowed a 20\* aluminum or cast-iron cylinder head.
- e. No weight break for cast-iron heads.
- f. CRA legal crate motor, Chevrolet or Ford with updates, base weight starts at 2700lbs.
- g. Weight additions or deductions for crate engine packages can change the base weight if written in another area of these rules.

## 2. SUSPENSION

- a. 2024 tread width was measured at outside of tires at spindle pine centerline and allowed 80” max to outside of tires. For 2025 we will use the Referee tool for measuring tread width at wheel edge and spindle pin centerline, referencing a number on the Referee allowing the same overall tread as 2024. We have option to measure tread width with toe plates if needed.
- b. A full stock frame or chassis with stock lower control arms, steering box and standard four-link rear suspension will be allowed to deduct 25lbs.
- c. Aftermarket upper A-frames, and A-frame brackets are allowed for all applications.
- d. One shock, one coil spring, one bump spring, one bump stop per wheel (bump spring preloaders or external bump stops are not allowed.)
- e. Cannister shocks are not allowed. Multiple adjustable shocks not allowed. Single adjustable shocks only.
- f. 2025 will be the last year the economy shock rule is offered
- g. Teams utilizing the four shocks from the APPROVED Economy shock list on the CRA website (Under Tech tab at [cra-racing.com](http://cra-racing.com)) may deduct 50lbs total weight.
- h. Economy shock package (4 non-adjustable AFCO 21 Series Shocks or 4 shocks from the CRA Economy Shock List) rule is void if not using all 4 of the

economy package shocks listed. The Economy Shock Package does not allow bump springs, bump stops, coil binding, or chassis stops of any kind to limit or manipulate suspension travel, including anything internal or external of the shock. Crossmember must touch the ground when the travel is checked for this package.

- i. Use of steel shocks with a bump spring is not considered part of the economy shock package.
- j. Economy shock package brands being used must consist of the same manufacturer parts for the shock you're using (body, shock shaft and internal parts). Examples: Afco will have all Afco parts, Bilstein will have all Bilstein parts, etc.
- k. Maximum 8" wide steel wheels
- l. OEM Floater or Quick-Change rear ends allowed. If a Quick-Change rear end is used, mandatory to have minimum 1/8" steel or aluminum plate between the rear end and fuel cell.
- m. Must have working brakes on all four corners.
- n. 3 or 4 link rear suspension allowed, conventional 3 link suspension allowed. Active rear suspension is allowed. J-hook style trailing arms rear suspension is allowed. **(Please email your opinion on discussion of removing the allowance of active rear suspension for 2026 racing season in LMS division, we want to hear your opinion).**

### 3. TRANSMISSION/REAR END

- a. Owosso Speedway will allow 50lb. weight reduction for an OEM Style Transmission (defined as an unaltered Saginaw or Muncie 3 speed or 4 speed manual transmission, uncut belly, all gears operational with an external clutch).
- b. All transmissions must have a working reverse gear.
- c. Bert, Brinn, Falcon, or made for racing transmissions are allowed. No weight deductions for Bert or Brinn style transmission. Magnus transmission not allowed.
- d. Differential: Unlocking or ratcheting type differential can be used, must add 25lbs.
- e. Crate car with a spool can deduct 25lbs.

### 4. ENGINES

- a. The engine must have a cast iron block.
- b. Chevrolet built motors are allowed 23\* aluminum or cast-iron heads. Ford built motors will be allowed a 20\* aluminum or cast-iron head. Approval for

any other head would need to be approved (no weight break for cast iron heads).

- c. Ford or Chevy built engines may use an external single stage oil pump. Oil and sump must be retained in the oil pan of the engine. Crate motors will not be allowed a single stage oil pump.
- d. Headers are allowed.
- e. Aluminum intakes are allowed.
- f. Engine setback is a 4" maximum, options for measuring is as follows: measured from the center of the upper ball joint to furthest forward operational spark plug, another option would be the Referee engine set back laser. Other tools can be utilized for measuring engine set back if needed.
- g. Any 2 or 4-barrell carburetor allowed (no Predators).
- h. CRA Super or Pro ignition system are approved for any crate engine package with RPM limits.
- i. Distributor for built motors or crate cars may only have one pick-up wired for use.
- j. Ignition/Distributor box 1 only allowed in car for built motors or crate cars. A single JEGS approved ignition box, Crane, Fast, Daytona is allowed. Owosso will allow a couple other options for allowed ignition boxes. MSD boxes with RPM module or pill for RPM rev limiter or maximum of 3 dials on the MSD ignition box to adjust start retard or RPM rev limiter (examples MSD Part # 6425, 6427, 6430). Any distributor box with Bluetooth wireless connectivity or control options via MSD Mobile App will not be allowed (MSD ULTRA 6AL distributor boxes are not allowed)
- k. RPM limit will be raised for crate motor package in 2025 to 6700 to offer a more competitive engine package to the built motors.
- l. Owosso Speedway reserves the right to adjust weight in the event there is an unfair advantage.
- m. Rev limiter chip increase or decrease can be applied to adjust engine performance of built or crate motor.

## 5. BODY

- a. AR or 5-Star aftermarket Late Model ABC short track Template bodies allowed fiberglass or plastic. Aluminum panels allowed from manufacturer or duplicated would be the standard aluminum panels from 5 Star or AR Bodies, doors, skirts, deck lid and lip, hood lip. No fabricated aluminum or Lexan pieces added to fiberglass panels.
- b. No Outlaw style body side panels, no full aluminum flat side panels, no square corners or edges.

- c. Standard 5-Star or AR pavement short track body, nose and rear bumper cover must be used and may not be altered, vented, panned, flared, etc.
- d. The Five Star Next Gen body has been approved for competition.
- e. AR Revolution body reskin kit panels or bumpers are not allowed. This kit has not been approved by the ABC body advisory committee. CRA LMS does allow with 50lb. weight addition.
- f. All parts of the car must be high enough to roll over scales with no interference of scale pads.
- g. A pillar vent window may go no further back than 12" from A-Post/Door corner and must go straight up at a 90-degree angle from the door.
- h. The maximum front overhang measured from the centerline of the front wheels to the leading edge of the nose is 46"
- i. 20 inches is the min. length allowed for the nose, measured from the bottom leading edge and center up to the hood seam (AR Revolution nose is not allowed)
- j. Noses must be centered on car measurement at bottom 80" (+/- 1")
- k. The maximum rear overhang from the centerline of rear wheels to the base of the spoiler is 47"
- l. The minimum roof height is 47" measured 10" from front windshield.
- m. The maximum rear quarter panel height is 34.5" (+/- 1/4")
- n. The maximum body width at any point is 80" (+/- 1")
- o. The rear deck should remain relatively flat side to side and front to rear
- p. Spoiler must be centered on car and may not exceed 390 square inches (example: 6.5" x 60" or 6" x 65").
- q. Rub rails polycarbonate/Lexan only
- r. Tape may not be used anywhere on the car to control the flow of air or seal/secure seams between body panels (unless approved for repairs). The only exception is that tape may be used on the radiator grille opening.
- s. Radiator grille opening/air intake, radiator air box, no bottom feed air boxes. Must pull air from the opening in the front of the bumper cover. Cannot have front feed and bottom feed.
- t. Pans under car, nose, quarters, or right side of chassis to body will not be allowed. You will be allowed a skid plate from backside of crossmember to front of center section. A center section filled with weight ballast will be acceptable, a center section filled with non-weight ballast will not be acceptable.

## 6. ADDITIONAL RULES

- a. A fuel cell is mandatory and cannot exceed 22-gallon capacity, Fuel line must be standard in its size and length. Fuel cell must have a minimum of 8" ground clearance, fuel cell must be equipped with at least two protective straps completely around the cell.
  - b. Fuel cell must be mounted securely behind the rear axle of the car. Cars must have a minimum 1/8" steel or aluminum plate between fuel cell and rear end. A similar plate at the rear if the fuel cell is recommended, safety bar at the rear of the fuel cell is mandatory. All fuel cell configurations must include a rubber type fuel cell bladder in a steel container. Carbon fiber parts are not allowed.
  - c. A collapsible steering column is highly recommended.
  - d. 2-way radios will be allowed for 2025 as a trial period. If problems occur from allowing radios we will remove the allowance of radios from the rules immediately.
  - e. Receiver is mandatory.
    - i. Must be functional.
    - ii. Must be tuned to frequency 454.000
  - f. Electronics: No cell phones, smart phones, smart watches, laptop computers or tablets allowed in vehicle or with driver and will be an automatic disqualification.
7. OWOSSO SPEEDWAY RACE TIRE POLICY & INSPECTION PROCEDURE
- a. Tire tampering to soften or enhance tire performance, will carry strict penalties.
  - b. All tires in competition at Owosso Speedway will be significantly internally powdered, no powder is a disqualification for the night. (ZERO TOLERANCE)
  - c. Tire tampering rules apply to ALL tires in the pits, on the car, in the trailer, in the hauler, ETC.
  - d. All Tires may be checked at any time.
  - e. Punishment for tire tampering will be at the discretion of Speedway officials.
  - f. Any team that uses a tire other than the listed & approved tire for their class from their rules will automatically receive a 2nd offence for tire tampering.
  - g. No softening, soaking, conditioning, siping, grooving, to enhance performance of race tires.
8. Testing procedure for race tires is as follows:
- a. Tire(s) will be collected after the feature event.
  - b. Tire(s) will be cleaned in the area officials choose; cleaning will be done by the team with the teams own cleaning tool's.



- c. Cleaned tire inspection area will be heated with heat gun, to the temp of approx. 200\* Fahrenheit & then checked with a durometer.
- d. If a tire durometers reading is at a range out of the spectrum from the other competitor's durometer readings, tire or tires will be taken and sample sent to Blue Ridge laboratory for testing.
- e. When tire samples are sent to the lab, all winnings and points will be frozen until results are received
- f. If final lab results produce a failed sample inspection, no winnings or points will be awarded & the team will receive their discipline for tire tampering.
- g. If final lab results produce a clean un-failed tire sample inspection, upon receiving cleared inspection results from laboratory, all winnings held will be awarded.
- h. Tire Samples will be put in an evidence vial per Blue Ridge Laboratories Inc. & then sealed in an evidence bag and sent to: Blue Ridge Laboratories Inc., 2766 Blue Creek Road, Lenoir, NC 28645,(828) 729-2179
- i. Owosso Speedway will not be liable for or replace any tires that test samples are taken from regardless of the test results.

9. Conduct or Behavior Zero Tolerance

Owosso Speedway officials have a zero-tolerance policy for unnecessary events that take place anywhere on Owosso Speedway property, on track or in the pits, such as but not limited to:

- a. Arguments.
- b. Unnecessary behavior of any kind.
- c. Intentional / Aggressive contact between cars on track, during a caution will not be tolerated, the driver or driver's intentionally making contact with another race car under caution will receive the black flag, you will not be scored & sent to their pits.
- d. Vulgar language.
- e. Threatening other racers, teams, help or family.
- f. Going to another race teams pit to argue.
- g. Unnecessary speed in pits with your race car.
- h. Bumping others race cars with your race car in pits expressing your anger.
- i. Unnecessary actions toward Owosso Speedway officials, about tech decisions or on track decisions.
- j. DRINKING OF ALCOHOL IN PITS BEFORE RACE NIGHT IS FINISHED, AUTOMATIC DQ
- k. If security is called, fines, penalties or discipline is to the discretion of Owosso speedway officials.
- l. If argument or unnecessary actions continue, fines, penalties or discipline is once again, to the discretion of Owosso speedway officials.

Questions on rules; call or text Neil May (989) 295-0315 or  
[neil.may@owosso Speedway.com](mailto:neil.may@owosso Speedway.com), [tech@owosso Speedway.com](mailto:tech@owosso Speedway.com),  
[info@owosso Speedway.com](mailto:info@owosso Speedway.com)

THE ABSENCE OF A PARTICULAR RULE DOES NOT SUBSTANTIATE ITS APPROVED FOR  
COMPETITION

OWOSSO SPPEEDWAY OFFICIALS, DECISION IS FINAL ON ALL RULES & DECISIONS

- \* RULE INFRACTIONS PER CLASS OR GENERAL RULES.
- \* OCCURANCES ON TRACK OR IN PITS.
- \* NOT OBEYING THE DIRECTION OF RACE CONTRIOL.

NO DECISION WILL BE APPEALED OR REVERSED - ARGUMENTS WILL NOT BE  
TOLERATED!!

