



2025 LATE MODEL STOCK | KINGSPORT SPEEDWAY

Rule Deletions are ~~struck through~~, Rule additions are **highlighted**

~~The Sportsman (formerly Modified Street) division utilizes Late Model Stock Car chassis and stock front clip tube chassis.~~

(Late Model Sportsman rules are in accordance with the 2024 NASCAR Late Model rulebook and NASCAR Technical Bulletin MWAAS 19-2-12/11/19 with the following exceptions:)

13-1 Competing Models

- A. Late Model Stock Car (LMSC) chassis will be permitted or 1964 and later stock front clip tube chassis cars.

13-2 Body Specification

- A. Steel, aluminum, fiberglass, or plastic body panels allowed. All bodies can only be altered for tire clearance only.
- B. Aftermarket nose and tail is allowed.
- C. Car must have a 1/8-inch Lexan windshield.
- D. Car must have quarter windows and rear window.
- E. New body style aftermarket muscle car bodies will be permitted. New style aftermarket bodies permitted are Chevrolet Camaro, Ford Mustang and Dodge Challenger.
- F. Five Star North American Sportsman Bodies are permitted.
- G. LMSC bodies are permitted.
 - i. Buick Regal: 1995-1997
 - ii. Chevrolet Monte Carlo SS: 2007
 - iii. Chevrolet Impala SS: 2008-2021
 - iv. Dodge Charger: 2007-2021
 - v. Chevrolet Monte Carlo: 1995-2007
 - vi. Ford Thunderbird: 1995-1997
 - vii. Ford Taurus: 2000-2005
 - viii. Ford Fusion: 2006-2021
 - ix. Mercury Cougar: 1995-1997
 - x. Dodge Intrepid: 2001-2008
 - xi. Pontiac Grand Prix: 1995-2003
 - xii. Toyota Camry: 2009-2021
- H. 2nd generation, and 3rd generation Camaro, or Firebird Bodies permitted.
- I. The new Five Star Race Car Bodies defined in NASCAR Technical Bulletin MWAAS 19-3-12/11/19 will be allowed for Sportsman, as well as AR Bodies Gen 6 bodies.
- J. Spoilers for all bodies may be same height and width of Five Star Race Car Bodies defined in NASCAR Technical Bulletin MWAAS 19-3-12/11/19
- K. Other car bodies not listed are at tracks discretion.
- L. The roll cage may not be offset. Must use NASCAR LMSC roll cage specifications.
- M. Metric cars cannot have the roll cage set back more than 25 inches from the rear of the cage to the center of the rear end housing.

13-3 Engines

- A. The GM "604" will be permitted and must be as supplied by the manufacturer and/or per the specifications manual provided by the engine supplier with the following exceptions:
 - i. Valve Covers may be changed
 - ii. Oil Pan may be changed
 - iii. Timing Cover may be changed
- B. The "Harrington Enforcer" will be permitted and must be used as supplied by the manufacturer and/or per the specifications manual provided by the engine supplier.
- C. The "Ford D347/SR or D347/SR7" will be permitted and must be used as supplied by the manufacturer and/or per the specifications manual provided by the engine supplier.
- D. The "Chevrolet Upgrade" engine kit will be permitted and must use engine components as per the specifications manual provided. The Edelbrock part #2701 Performer and part #2975 Victor Jr. intake manifolds will be the only intake manifolds permitted and must remain as supplied without any modifications. The maximum rocker arm ratio permitted will be 1.6. All other engine components and specifications must meet the requirements as described in The NASCAR Weekly Series Rule Book Section 20F-5 (Detailed Engine Requirements).
- E. No Porting/Polishing/Gasket Matching on any engine or engine components.

13-4 Car Weight

- A. 604 – 3100 Total, 1400 Right Side
- B. Harrington Enforcer – 3100 Total, 1400 Right Side
- C. Ford D347 – 3100 Total, 1400 Right Side
- D. Chevrolet Upgrade – 3100 Total, 1400 Right Side
- E. All Engine packages must be at minimum weight following qualifying.
- F. All Engine packages will be allowed 1lb per lap allowance to determine weight at the conclusion of competition.
- G. Hood openings – All cars with hoods that have openings allowing fresh air enter the engine bay, or hot air escape the engine bay when closed must either:
 - a. Fix body/hood mounting to remove openings or
 - b. Tape perimeter of the hood to close openings
 - c. If neither of the above can be done must at 25lbs to total weight.
- H. All engines may be adjusted via weight, for competition purposes

13-5 Carburetors

- A. **MUST run carb that is listed for engine**
- B. 604 – Holley 650 CFM Carburetor with max 1" aluminum open spacer
- C. Harrington Enforcer – Holley 650 CFM Carburetor with max 1" aluminum open spacer
- D. Ford D347 SR/SR7 – Holley 650 CFM Carburetor with no spacer
- E. Chevrolet Upgrade – Holley 4412 500 CFM Carburetor with 1" max thickness Super Sucker
- F. No Slotted mounting holes in spacer
- G. No tapered spacers
- H. All engines may be adjusted via Carburetor and/or Restrictor Plate, for competition purposes

13-6 Tires (Tire rules subject to change based on tire manufacturer)

- A. Cobra Tires Required.
- B. Maximum of 5 tires can be purchased Race 1.
- C. 1 tire may be purchased each race week. Tire does not have to be ran the week it is purchased and may be placed in any position on the car. Can have a Maximum of 6 tires in impound., 4 race tires and 2 spare tires. After race #1 the max number of new tires that can be put on a car at one time is 3.
- D. Must qualify/race on tires from impound. Once a tire leaves the track it is considered practice only.

13-7 Coil Springs – Spring Mounts – Jacking Bolts – Sway Bar

- A. Coil binding will not be permitted on any spring. All coils of the spring must be active. All chassis movement while the race car is in competition must be limited only by the normal increasing stiffness of the springs or the bottoming of the chassis against the race track, whichever occurs first. Any travel limiting device or procedure that in the judgement of Track Officials attempts to detract from or compromise the above will not be permitted. Any device(s) such as chains, cables, etc. that limit the travel of the suspension either up or down will not be permitted. When jacking the car, a minimum of two (2) inches of chassis movement is required before movement of the axle/tire assembly.
- B. Only coil spring suspension will be permitted. All coil springs must be constructed using round magnetic steel wire, wound in a clockwise direction. Ovate and flat wire will not be permitted. The coil spring wire diameter must be the same size from the top to the bottom of the springs. All of the coils in a spring must be active. The coil springs in all four (4) wheels must be active in any and all suspension movement.
- C. Sway bar – any size allowed.
- D. No travel limiting devices.
- E. No covering of suspension components at any time.

13-8 Shock Absorbers

- A. Any sealed Steel Body, non-adjustable, non-rebuildable shock allowed. Subject to tech approval and shock claim rule.
- B. They must remain as manufactured with part number visible and unaltered, with factory paint and will be subject to exchange. If an exchange of shocks is required by track officials, the shocks ran by the competitor must be in proper working order. If the shock is damaged or not working properly, the competitor must replace it with either a properly working used one or new one of the same numbers.
- C. Claim Rule - \$130 per shock and claim must be presented in writing to Track Officials no more than 20 minutes after the checkered flag is displayed. Top 5 only can claim shocks. Track may claim shock/shocks for tech purposes. (If shock is deemed legal racer receives shock claim, if shock is deemed illegal track keeps shock claim)
- D. Steel bodied shocks only permitted.
- E. The use of rebuildable shocks will not be permitted. Bump stops, coil bind or any other device to accomplish similar results will not be permitted.
- F. No travel limiting devices
- G. No covering of suspension components at any time.

13-9 Ground Clearance

- A. No ride height requirement.
- B. If the car is dragging the track, the car will be subject to being black flagged at track officials' discretion. You will have one opportunity to raise the car. This rule will be enforced and will not be up for discussion at any time

13-12 Ford D347SR7 Updates

- A. The "Ford D347SR7 Will be permitted to have Maximum bore size 4.060" plus .005" for wear. "Ford Tech Bulletin 12-18-20"
- B. Optional Camshaft Specifications for D347SR7 "Ford Tech Bulletin 11-13-18"
 - a. COMP Cams PN:FPC-D347SR7
 - b. Intake 234°@.050" .559" lift with the 1.65 rocker arm - COMP Cams lobe - 3706F*
 - c. Exhaust 238°@.050" .567" lift with the 1.65 rocker arms - COMP Cams lobe - 3652F*

- d. Installed at 102° + or - 2° intake centerline
 - e. Lobe Separation is 106°
 - f. 5/16" pushrod length will vary based on lifter used
 - g. Windsor Firing order
- C. Recommended Lifters - conventional needle bearing solid roller lifter
- a. Comp Cams - PN# 838-16
 - b. Crower - PN# 66215-16 or 66215H-16
 - c. Morel - PN# 5436
 - d. Liberty - PN# LPC-3570-16
 - e. Howards - PN# 91288
- D. Other Spec Changes
- a. Increase maximum bore size from 4.045" to 4.050"

13-13 Brakes

- A. Four-wheel disc brakes are optional. Single piston caliper only.

13-14 Fuel

- A. Track fuel is required. The use of additives will not be permitted.
- B. Fuel options will be
 - a. 110 octane

C. Must purchase minimum 10 Gallons per Event, If not purchased equivalent will be removed from final payout.

13-15 Ignition System

- A. GM HEI, and MSD ignition are allowed
- B. MSD Ignition boxes must be mounted in accordance to the NASCAR Weekly Series Rulebook

13-16 Wheels

- A. Must run 10 inch wheels
- B. All 4 wheels must have same offset

13-17 Treadwidth

- A. Treadwidth will follow Nascar Weekly Series Rulebook

13-18 General

- A. Rules may be adjusted at any time for competition purposes.
- B. Track has option to tech sealed crate engines.
- C. Engine/ Claimed weight must be on either Right Side A Post, or Windshield, 2 inch letters, contrasting color. \$25 fine for not being displayed
- D. No Cellular devices in car while on track
- E. No Grill tape for qualifying
- F. Win 3 races in a row, must start next race in middle of field. If next race is an invert race, will start next non invert race in the middle of the field. (Competitor and chassis must still qualify for race. Failure to take qualifying laps will result in starting in the rear).

13-18 Procedure

- A. Qualifying order will be determined by pill draw.
- B. Only 3 people per car at scales.
- C. Only One of those 3 people may be at scale display with tech official.