

LORAIN COUNTY SPEEDWAY



2018 SPRINT CAR COMPETITION RULES

Revised 2.9.18

THE RULES AND/OR SPECIFICATIONS SET FORTH HEREIN ARE DESIGNED TO PROVIDE FOR THE ORDERLY CONDUCT OF RACING EVENTS AND TO ESTABLISH MINIMUM ACCEPTABLE REQUIREMENTS FOR SUCH EVENTS. THESE RULES SHALL GOVERN THE CONDITION OF ALL SPEEDWAY EVENTS, AND BY PARTICIPATING IN THESE EVENTS, ALL SPEEDWAY ENTRANTS ARE DEEMED TO HAVE COMPLIED WITH THESE RULES. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF, OR COMPLIANCE WITH THESE RULES AND/OR SPECIFICATIONS. THEY ARE INTENDED AS A GUIDE FOR THE SPORT AND ARE IN NO WAY A GUARANTEE AGAINST INJURY OR DEATH TO PARTICIPANTS, SPECTATORS, OR OTHERS.

NOTICE: Creative interpretation and/or anything that may not be covered by the following rules or racing procedures are the sole responsibility of the Driver. If a question should arise a Driver should inquire with a LCS Competition Inspector and/or Race Director before proceeding. Any decision on questionable items about rules and racing procedures is up to LCS Competition Inspector and/or Race Director and their decision is FINAL! Remember: It is the responsibility of the Driver to keep his/her car legal and follow all rules and racing procedures at all times. Infractions of the technical rules of any kind may result in an additional weight penalty, forfeit qualifying, or not being able to compete until infraction is corrected. Penalty will be determined by a LCS Competition Inspector and/or Race Director.

SAFETY EQUIPMENT: All drivers must be protected at all times with a clean SFI 3.2A/5 or equivalent full fire driving suit, underwear, head sock, fire retardant gloves, shoes, quick-release lap belt, shoulder harness and headrest. Full containment aluminum racing seat required. Hans, Hutchens or equivalent head and neck restraint is required. A Snell-Rated helmet SA2010 or newer is required. Sticker must be visible and verifiable. Harness and seat belts and are required to be five-point system with lower crotch belt (six-point systems are recommended). Mounting attachment bar for shoulder harness must be at shoulder height of the driver and harness should not bend or change direction. Belt systems must be minimum of 3" SFI approved units, dated within three years to date. All cars must have a 2½ pound minimum B and C dry chemical fire extinguisher with gauge mounted within easy reach of driver and in working order at all times. An engine ignition kill switch must be mounted within the driver's reach and must be marked 'OFF' / 'ON'.

1.0 ENGINES:

- 1.1 Unaltered sealed GM crate engine #88958602. Engine seal number must be documented as legal on the Race-1 website (even if the engine is completely sealed).
- 1.2 Race-1 (330-540-7223) will be the only authorized engine purchase/conversion facility. All 602 Crate Engine purchases and conversions must be completed by Race-1 and will be sealed upon completion with Race-1 issued seals as well as the GM factory seals. These special seals will be required to compete.
- 1.3 604 oil pan is permitted if installed and sealed by Race-1.
- 1.4 Rear of cam may be tapped to run sprint style fuel pump and power steering pump.
- 1.5 HEI distributors with traditional coil and module only. Coil to remain inside the cap. Must purchase a rev limiter (part #MSD 8728 or #MSD8727CT). Chip #6200. Chip must be out of reach of driver.
- 1.6 No balancer upgrades permitted.
- 1.7 No type of vacuum pumps/evac systems on engine.
- 1.8 All crate engines must remain stock as they came sealed from the factory. Crate engines must not be altered, modified or changed from factory specifications.

- 1.9 Anyone found to have tampered with the rev limiters, sealed bolts, pushrods, valve springs, rocker arms, or any other part on/in engine will be suspended for 365 days and disqualified for the night and all points accumulated that season will be erased.
- 1.10 Lorain County Speedway reserves the right to impound an engine at any time for evaluation and further tech. Lorain County Speedway also may exchange your engine for another if it deems that you may be at a mechanical advantage.
- 1.11 Any engine that is found illegal will be forfeited to Lorain County Speedway. Any illegal parts will also be forfeited.
- 1.12 All engines should be purchased/rebuilt and resealed by Race-1.
- 1.13 The use of antifreeze is prohibited and can result in a one hundred-dollar (\$100) fine.

2.0 CHASSIS:

- 2.1 Dirt type only. Frame & body (including fuel tank) must be sprint car appearing.
- 2.2 Nerf bar on both sides, panels inside nerf bars are allowed. Nerf bar must be within 2" from side wall in and even to the sidewall out of both rear tires.
- 2.3 Front bumper can be no longer than 23" from the center of the front axle to furthest point forward.
- 2.4 Engine, drive line, tail tank & rear end center section mounted in centerline of frame. Engine must be straight up.
- 2.5 Shocks must mount from frame to axle on the outside of frame nothing in between.
- 2.6 Front spindles may be steel or aluminum.
- 2.7 No torque arms or open drive lines allowed. Aluminum torque tubes are allowed as well as aluminum rear axles.
- 2.8 Left side radius rods and torsion bars must run on outside of frame.
- 2.9 Wheelbase to be 84"-92" maximum length and a 76" maximum width, offset of wheel to center of axle maximum 41".

3.0 EXHAUST:

- 3.1 Headers to be down tube sprint style only.
- 3.2 Cars may be required to install mufflers and pass a .98 decibel test.

4.0 CARBURETOR:

- 4.1 Quick fuel carburetor part # Q-650-CTA must remain box stock and must pass a gauge test.
- 4.2 Jets and power valves may be changed.
- 4.3 Carburetor must be mounted parallel to intake.
- 4.4 No air induction inserts or other devices to direct air to intake.
- 4.5 The measurement between the top face of the intake to the bottom surface of the carburetor is to be a maximum of 2 3/8" and no part of the spacer may protrude into the intake manifold.

5.0 FUEL CELL/FUEL PUMP/FUEL:

- 5.1 Sprint style fuel cell only.
- 5.2 No electronic fuel pumps. Fuel pump must be mounted in stock location on engine or sprint style pump may be used.
- 5.3 Only straight alcohol (methanol) allowed.
- 5.4 An approved fuel bladder is mandatory.
- 5.5 No gasoline, nitro, or nitrous systems.

6.0 SUSPENSION:

- 6.1 Four corner torsion bar only, torsion bars must lie on top of front axle.
- 6.2 No coilovers.
- 6.3 Rear ends must use Jacobs's ladder.
- 6.4 Front track bar only standard mounting (right side frame left side axle).

7.0 AXLES:

- 7.1 Front axle to be a maximum of 51". Rear axle to be a maximum of 52" – 1" offset maximum. Two-piece axles are not permitted.
- 7.2 Safety pins are required in the outer ends of the rear axle to keep the nut from coming off.

8.0 STEERING:

- 8.1 Gen1 or Gen2 left hand steer only.
- 8.2 Steering drag link must go from steering box to pitman arm. Nothing in between.
- 8.3 Drag link tether mandatory.

- 8.4 Power steering pump on motor only. No rear mount.
- 8.5 Steering wheels must have a quick release hub.

9.0 SHOCKS:

- 9.1 Unaltered Pro Shocks (WB Series) and Integra #310-42173 are the only permitted shocks.
- 9.2 Shrader valves are not permitted.
- 9.3 No bump-stop technology permitted. No tie-down technology.
- 9.4 Shocks will have a \$60 claim per shock exchange.

10.0 BRAKES:

- 10.1 Brakes must be in good working order at all times.
- 10.2 Steel rotors only.

11.0 HUBS:

- 11.1 6-pin, direct mount only. No wide 5 permitted. Right front must be 6-pin style only.

12.0 WINGS/BODY PANELS/BUMPERS:

- 12.1 A top wing is mandatory.
- 12.2 Only standard sprint car wings allowed. No supermodified style wings.
- 12.3 25 sq.ft. maximum area, 5'x5' only with a 1" maximum wicker-bill.
- 12.4 Dished or flat wings allowed.
- 12.5 No wing adjustments from the cockpit will be allowed. No hydraulic cylinders or valves, no levers or cables for adjustment will be allowed.
- 12.6 Rear adjustment of top wing must be fastened with quick release pins.
- 12.7 Side board to be a maximum of 30" x 72".
- 12.8 Front or nose wings are allowed. Maximum nose wing size is 6 sq.ft. Maximum width is 37". Single element only, 1" maximum wicker-bill. No offset wings.
- 12.9 Front air dams may be no wider than the frame.
- 12.10 No aerodynamic surfaces or panels outside of main frame rails except for top wing and nose wing per specifications.
- 12.11 No more than 1" lip on rock panel behind driver and cannot extend rearward beyond the rear roll cage.
- 12.12 Only two vertical lips or rails may be on the hood surface and may not be more than 1" high.
- 12.13 Cockpit right side panel must be where driver can see out the right side when sitting in car. Cockpit side shields not to extend rearward.
- 12.14 Right & left nerf bars are required.
- 12.15 Front & rear bumpers are required but must be sprint car appearing and must be inside frame rails.

13.0 TIRES/WHEELS:

- 13.1 Chemically soaking of tire will NOT BE PERMITTED AND/OR TOLERATED. If tires are to be found chemically soaked, they will be confiscated, and driver will be disqualified and/or fined.
- 13.2 All wheels may be steel or aluminum. Maximum 10" front wheels.
- 13.3 Bleeders are allowed.

American Racer Tire Chart:

Position	Size	Compound	Tread Width	Section Width	Circ.	Design Rims
Fronts	24.0/11.0-15S	M28	11.5"	12.0"	77"	10-11
Left Rear	25.0/13.5-15S	130	13.5"	15.4"	80"	12-14
Right Rear	26.0/13.5-15S	131	13.5"	16"	84"	13-15

14.0 WEIGHT:

- 14.1 All cars to weigh a minimum of (1,575 lbs.) to be measured after the feature or at a LCS official's discretion, wet or dry with the driver in the driver seat with helmet as if race ready.
- 14.2 All attached on weight MUST be securely fastened to car and must be painted white with car number for identification.

15.0 MIRRORS/RADIOS/SCANNER:

- 15.1 Mirrors will not be permitted.

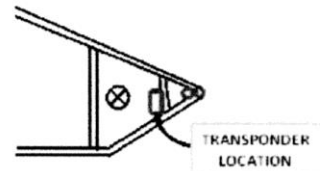
- 15.2** The use of two-way radio communication is prohibited at all times and any communication between pit crew and driver will result in complete disqualification.
- 15.3** A one-way receiving radio scanner locked to frequency (TBD) is mandatory and must be operational at all times.

16.0 PAINTING/NUMBERS:

- 16.1** All cars must be professionally painted, neat in appearance and professionally lettered at all times.
- 16.2** Numbers must be approved by the Speedway office and must be professionally painted on both sides of the wing. Numbers must be 16" tall and offer contrast to the color of the car.
- 16.3** DUPLICATE CAR NUMBERS WILL NOT BE PERMITTED!!
- 16.4** All car numbers must be registered with Lorain County Speedway office regardless if number competed in previous years.

17.0 TRANSPONDER:

- 17.1** LCS utilizes the MyLaps system of Timing & Scoring.
- 17.2** All teams are required to have a MyLaps transponder on their car and operational at all times.
- 17.3** All teams are encouraged to buy their own transponder for themselves.
- 17.4** LCS will offer MyLaps transponders at cost; or can be rented for twenty dollars (\$20) with a valid driver license per event on the second level of the pit tower.
- 17.5** Transponders must be mounted behind the frame diagonal located behind the front torque tubes and ahead of the front axle as indicated in the drawing. The transponder must be located as close to the bottom frame rail as possible. Cars with Transponders found in locations other than that indicated above during post-race inspection will be penalized two (2) positions.



NOTE: No carbon fiber or titanium permitted anywhere (titanium is permitted in the rear-end). No aluminum bolts permitted. The use of traction control is prohibited. No cockpit adjustments of any kind (weight jacks, shocks, wing sliders etc...)

NOTICE/WARNING: All part numbers must be visible and unaltered. If part number is not legible or has been altered in any way, it will be determined to be illegal and not permitted for use. If any items are found to be illegal, LCS and/or its Track Officials reserves the right to confiscate any illegal parts. **Lorain County Speedway, and its officials, reserves the right to add weight to any individual driver in the fairness of competition.**

REMEMBER: Lorain County Speedway and its officials reserves the right to change specifications/procedures/competition rules and add/or subtract cars to the field at any time. Those who sign-in and/or start in an event agree to be governed by these rules and by all decisions of the Speedway and its officials.

SPRINT CAR DIVISION PURSE

Purse could be adjusted due to decline or increase in car count.

Revised purse to encourage division growth, thank you for your support!

Preliminaries: Trophy for 1st Place

Feature Event: 1) \$400, 2) \$300, 3) 260, 4) \$250, 5) \$240, 6) \$230, 7) \$220, 8) \$210, 9 – 22) \$200 TO START

AMERICAN RACER RACING TIRES WILL BE AVAILABLE AT THE TRACK

Any technical questions contact the Tech. Inspector (Ray Dorko) lcstechdept@yahoo.com
Any procedural questions contact the Event Director (Nick Giurukis) lcspeedway@live.com