



**2016 LEXINGTON 104 SPEEDWAY**  
**CRATE LATE MODEL RULES**

**"Ne Smith Rules"**

The General Rules for the 2013 Season have been created.  
It is IMPORTANT that you familiarize yourself with these rules

# **LEXINGTON 104 SPEEDWAY 2016 LATE MODEL RULES**

## **1) SAFETY EQUIPMENT**

### **A. Driver**

Driver Suit - Fire suit, Fire resistant gloves and shoes are mandatory. Nomex under is strongly suggested

Helmet - must have a SA 2005 or newer sticker. 2010 will be the last year the SA-2000 will be allowed to be used. Driver's helmet should carry name, blood type, allergies and date of last tetanus shot along with pertinent medical history – this is optional, but suggested.

OTHER

### **B. Driver compartment**

Window Net – Full window nets are mandatory. Unless using are restraints.

### **C. Fire Equipment**

Car – Fire extinguisher or flame out system is required to be mounted in the driver's compartment (dry chemical type.)

Pit – Each pit area must be equipped with a serviceable A-B-C type (dry powder) fire extinguisher minimum 7.5 pounds capacity. This is in addition to the extinguisher in race car. The extinguisher must be visible from pit road.

### **D. Seat**

### **E. Seat Belts**

**All seat belts minimum 5 point type is MANDATORY**

All cars must have 3" seat belts with shoulder hardness and must be attached to roll cage 3 years maximum age strongly recommended.

Belts if no tag is visible depended on condition a one (1) race grace period may or may not be given.

### **F. Communication**

Race receivers and transponders are MANDATORY!! Race receivers and transponders are available for purchase or rent at the track.

**NO SCANNERS, TWO-WAY RADIOS, CELL PHONES, SIGNALING DEVICES OR OTHER MEANS OF COMMUNICATION MAY BE USED.**

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## **G. Miscellaneous**

All items which pertain to safety will be at the discretion and interpretation of OFFICIALS.

Lexington 104 Speedway strongly urges and recommends some type of head and neck restraint system, but is not required.

Fuel switch must be labeled on and off.

Driver's compartment must be completely sealed from engine compartment.

## **II. Weight**

### **A. Class Weight Rules**

GM Crate engine #88958602 – 2200 lbs. at qualifying, 1 lb per lap burn off on heats. Consys, & feature race (Green Flag Laps Only)

GM Crate engine #88958604 – 2300 lbs. at qualifying, 1 lb per lap burn off on heats. Consys, & feature race (Green Flag Laps Only)

### **Add-On weight**

Attached weight must be securely bolted to frame with ½" or larger bolts. Weight must be painted white with a car number displayed. Penalty for losing attached weight on the race track is disqualification from the event.

## **WEIGH-IN RULES**

Track Tech Officials reserve the right to weigh any car at any time during an event.

Heat Race and Consolation race winners and transfer cars will proceed directly to the scales to be weighed immediately after the event has been completed. **DO NOT GO TO YOUR PIT AREA FIRST!!!! THIS WILL RESULT IN A DISQUALIFICATION.**

Top seven finishers in the feature event will proceed directly to the scales to be weighed immediately after the event has been completed. **DO NOT GO TO YOUR PIT AREA FIRST!!!! THIS WILL RESULT IN A DISQUALIFICATION.**

Top Five finishers will be weighed, and the sixth and seventh place will wait at the scales as alternates, and will be weighed should one or more of the top five finishers does not make weight.

If a car does not make weight on the first attempt, the car may be rolled back off the scales and rolled back on the scales- ONE TIME ONLY – UNDER THE SUPERVISION OF TRACK TECH OFFICIALS.

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Should car weigh in light qualifying or a heat race, the car will be penalized to the rear of the next scheduled preliminary event.

Should a car weight in light after a main event, the car will be penalized to the last place finishing position.

### **III. Chassis**

#### **A. Eligible Models**

#### **B. Dimension / Wheel Base**

Minimum Wheel Base Minimum 103"

#### **C. Frame Specifications**

No Aluminum Frames or Front Clips

All frames must be of steel construction, and must be a minimum of 2X2 square or rectangle with a minimum material thickness of .083 inches.

Round tube chassis must have a minimum outside diameter of 1 ¾" with a minimum material thickness of .083 inches. These chassis must use DOM grade or better material for construction.

All cars must be equipped with a tow hook or similar device both front and rear of car.

#### **D. Roll Cage Specifications**

All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.

Side Roll Bars are mandatory, and must extend into the door panels, a minimum of three (3) bars must be on the left side.

Each bar must be at least 1 – ½ Diameter, with a minimum material thickness of .083".

Roll Cages must be welded to frame.

#### **E. Driver's Compartment**

Devices that allow a driver to alter wheelbase or weight jacking while car is in motion is prohibited and must be removed.

No mirrors of any kind

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## **F. Steering**

Rack and pinion of any kind

## **G. Front Suspension**

OFFICIALS reserve the right to prohibit certain types of suspensions.

All front suspensions must be a A-Frame configuration, A-arms may be replaced with tubular replacements. Straight axel not allowed.

## **H. Front Springs**

Spring rods will be allowed

## **I. Rear Suspension**

OFFICIALS reserve the right to prohibit certain types of suspensions.

## **J. Rear Springs**

## **K. Shocks**

## **L. Brakes**

All cars must be equipped with a minimum of three wheel brakes and they must be in good working order.

**All brake rotors must be steel**, no carbon fiber, Titanium Brakes or other exotic material brakes systems

## **M. Electrical or Electronics**

### **Battery**

All batteries must be mounted in an approved manner in front of the fuel cell.

No batteries allowed in the driver compartment.

### **Electrical**

### **Electronics**

No electronic controlling or other devices (traction control) of any kind are permitted

## **N. Engine Location**

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Engine setback will be 6" from center of top ball joint to the #1 spark plug with a 1-inch tolerance on engine setback. There will be a 50 pound penalty forward of the motor plate for each ½ inch set back beyond seven (7) inches of engine setback. No cars with more than an eight (8) inch engine setback will be allowed to compete.

### **IV. Bumpers, Nerf Bars, & Rub Rails**

### **V. Engine**

GM Part numbers #88958602 & GM Part # 88958604

These engines are sealed at the intake manifold, cylinder head, front cover, and oil pan with special twist off bolts heads originally from GM. Crate USA seals allowed, NO RM BOLTS, for any other sealing system contact Lexington 104 Speedway for Approval. Crate engines must not be altered, modified or changed from factory specs.

The sealed engines must remain intact and not be tampered with, any seals that have been removed or tampered with will make the engine illegal and not eligible for competition. The penalty for anyone tampering with seals, modifying any internal engine parts, changing the parts from stock as delivered sealed from the factory will be subject to expulsion from racing at Lexington 104 Speedway.

No changes are allowed to the engine – intake manifold, heads, valve covers, front cover, oil pan, harmonic balancer or any other part / or parts on / or in engine.

No Vacuum pumps.

All Crate engines must remain stock as the came sealed from the factory, Crate engines must not be altered, modified or changed from factory specs.

Engines GM Serial Number and when applicable crate USA build certification number, must be clearly visible to series technical inspectors.

Any Violation of the engine rules and/or factory specs inside the sealed system of the engine will result in the driver and/or owner being disqualified from that event, and suspended from series competition for 365 days and pay a \$1000.00 fine. After that period, the driver can only compete in series events with an engine equipped with original factory GM sealing bolts, or Lexington 104 Speedway approved authorized rebuilder. Driver and/or owner will be notified in writing of series decision, all decisions are final.

Any violation of the engine rules and/or factory spec outside the sealing bolts of the engine will result in the driver being disqualified from that event. Driver and/or owner could be suspended from series competition for up to but not more than 30 days, and fined up to but not more than \$500.00 at series official discretion. Driver and/or owner will be notified in writing of series decision, all decisions are final.

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### **A. Ignition**

The ignition switch must be mounted in the driver compartment and clearly marked ON/OFF

### **B. Starter**

All cars must have starter in working order

### **C. Cooling System**

Cast or Aluminum Permitted

No electric water pump

### **D. Distributor**

Any electronic Distributor type ignition system. **NO CRANK TRIGGER, DISTRIBUTORLESS MULTI-COIL OR MAGNETO IGNITION SYSTEM**

### **E. Carburetor**

One four-barrel Carburetor only of any manufacture

Engine must be naturally aspirated

604 – May use one carburetor spacer (1 inch-one piece with .040 tolerance maximum) and two standard paper gaskets (maximum .070 inch thick) one gasket between intake spacer and one gasket between spacer to carburetor.

602 – May use one carburetor spacer (2" inch one piece with 0.040 tolerance maximum) and two standard paper gaskets (maximum 0.070 inch thick) one gasket between intake to spacer and one gasket between spacer to carburetor.

## **VI. Drive Train**

### **A. Transmission**

Must have at least one forward and one reverse gear in working order

No straight drives or in and out boxes

### **B. Drive Shaft**

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Must be painted white – carbon Fiber drive shafts are legal.

Ballspline Transmissions-strongly recommended to run carbon fiber drive shaft only!!! (This is for your safety)

### **C. Rear End**

Quick Change center sections are legal. No open tube rear ends are allowed. No chamber rear ends are permitted. Rear-end coolers are permitted however they cannot be mount in the drivers compartment.

### **D. Miscellaneous**

## **VII. Exhaust**

### **A. Manifold / Header**

Collector type headers required. Must have four (4) tubes into one (1) collector of a consistent diameter.

No square-tube headers allowed

No TRI-Y headers or merged headers allowed

### **B. Mufflers**

Mufflers not required unless track mandates. When mandated muffler's must have some type of internal noise dampening characteristics, baffles, extruded holes, screen, chambered, ect. Muffler's must meet speedway requirements.

## **VIII. Body**

### **A. Body, Body Types**

Lexington 104 Speedway body rules will apply. No raised or gurney lips of any type allowed on body. No tunneling of any type allowed underneath body, along frame, or around fuel cell area. A stone shield for remote oil filter or transmission is allowed, 24" X 24" maximum located near rear engine plate.

Roof supports or "C" pillars on both sides must be made of equal material. Window openings are allowed but must be the same size opening on the left and right side. If clear lexan window is used it must be used on both sides. Both sides open, or both sides closed. Curved or arced roof support allowed. 3" maximum arc allowed at widest point, checked with straight edge. Extended from roof edge to door edge.

The Aerotech dominator nose piece is allowed



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No Mirrors

No Radios

Race Receiver is MANDATORY

## **B. Spoiler**

Spoiler size maximum 12" spoiler must be made of a solid material as lexan or sheet aluminum, or materials of equal strength. Spoiler & spoiler supports should be made of equal material on all areas. No open spoiler supports. Spoiler height, width, and angle must be the same at all times for the entire area of the spoiler. No varying spoiler heights or rear engine plate

## **C. Identification**

Each car needs to have the type of fuel they are running in lettering at least one inch high on both sides of the car. This is for tech/scale/safety personnel.

## **IX. Fuel System**

### **A. Fuel**

Gasoline or Racing Gas Only – No Ethanol (E85, or E105) No Methanol, or Alcohol, No Nitrous Oxide. No propylene Oxide, Or chemical additives. Fuels must have a specific gravity or less than .745. Any fuel with a specific gravity of .745 or greater will be disqualified. It is the racers responsibility to know what he/she is putting in the fuel cell.

### **B. Fuel Cell**

An approved fuel cell with a maximum of 32 gallons must be used mounted in the truck area of the car, inside a .20 gauge metal box supported by a minimum of two 2 by 1/8" steel straps.

All fuel cells must be completely visible from rear of car.

Mechanical fuel pumps only, cam drive or belt driven, No Electric fuel pumps.

## **Tires and Wheels**

### **C. Tires**

Hoosier D21 and D55 and shoulder palted. Tire will be durometered 60 or harder at any time must punch 48 or harder and D55 must punch 60 or harder at any time when tested. Grooving and siping allowed.

Any driver at any time determined to have softened or chemically altered tires will be disqualified from the remainder of the event. Driver and/or car owner may be fined up to

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\$1000.00 per tire, and could be suspended. At Track Tech Officials discretion. Driver and/or owner will be notified in writing of decision, all decision's are final.

Any Independent lab testing will be done at Lexington 104 Speedway Track Officials sole discretion. Any samples taken for testing will be done in the presence of driver or designed team representative. Tire is question will be confiscated, Marked and held by Lexington 104 Speedway until decision is final.

### **D. Wheels**

Any Brand or Type of wheel allowed must be mounted with lung nuts

No knock-off or center lock wheels

Maximum wheel width – 14"

### **X. Miscellaneous Class Specific Rules**

### **XI. Disclaimer**

From: **THE MANAGEMENT PF LEXINGTON 104 SPEEDWAY**

The rules and/or regulations set forth are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules govern the conditions of all events and by participating in these events, all participants are deemed to have complied with

these rules. **NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR**

**COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They 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.

The race director shall be empowered to permit minor deviations 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 officials. Their decision is final. **TECH OFFICIAL'S DECISION IS FINAL.**

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Lexington 104 Speedway will have on hand 2 (55 gals drums) for the disposal of vehicle liquids. Please use the provide drums.

### IMPORTANT NOTICE

It is ultimately the obligation of each participant to insure that his/her conduct and equipment comply with all applicable Lexington 104 Speedway rules and regulations as they may be amended from time to time. No expressed or implied warranty of safety shall result from publication of or compliance with these rules. They are intended as a guide for conduct of the sport and are in no way a guarantee against injury or death to participants, spectators or others.