

LARRY KING LAW'S LANGLEY SPEEDWAY

2024 UCAR DIVISION RULES | UPDATED JANUARY 29

Amendments: Langley Speedway reserves the right to amend these rules at any time to promote fair competition. Ample notice of amendments will be given to all competitors.

1. COMPETING MODELS

- A. 1980 or newer American-made or Imports.
- B. Engines are limited to 4 cylinders ONLY. Single or dual overhead cams are allowed.
- C. Front-wheel drive only.
- D. Maximum wheelbase of 105".

2. ENGINES & TRANSMISSIONS

- A. Engine and engine parts must remain stock for the year, make, and model of the car entered.
With the exception **Aftermarket headers allowed**
- B. Engines are limited to 4 cylinders only.
- C. Single or dual overhead cams are allowed.
- D. Engine compression will be limited to 220 pounds, measured when the engine is hot.
- E. Carburetors, fuel injection systems, and aftermarket air intakes allowed. Cold-air intakes are not allowed.
- F. Air filters paper-type replacements or **cone style permitted**. K&N or similar filters are not allowed.
- G. No turbo-charged or supercharged systems are allowed.
- H. **Ignition computer boxes may be altered**.
- I. Manual and automatic transmissions are allowed.
- J. Transmission and transmission parts must remain stock and unaltered for the year, make, and model of the car entered.
- K. Transmissions must retain all forward and reverse gears.

3. VEHICLE WEIGHTS

The minimum weight for each vehicle will be based on the manufacturer's stated horsepower rating for the specific engine entered into competition. Langley Speedway will record each engine's serial number and assign a minimum weight based on that specific engine's horsepower rating, as follows:

- Up to 119hp: No minimum weight. No maximum left side weight.
- 120 - 129hp: 2100 lbs, post-race with driver. 55% maximum left side weight.
- 130 - 139hp: 2200 lbs, post-race with driver. 55% maximum left side weight.
- 140 - 149hp: 2300 lbs, post-race with driver. 55% maximum left side weight.
- 150 - 159hp: 2400 lbs, post-race with driver. 55% maximum left side weight.
- 160 - 169hp: 2500 lbs, post-race with driver. 55% maximum left side weight.
- 170 - 179hp: 2600 lbs, post-race with driver. 55% maximum left side weight.
- 180 - 189hp: 2700 lbs, post-race with driver. 52% maximum left side weight.

- 190 - 199hp: 2800 lbs, post-race with driver. 51% maximum left side weight.
- 200hp & up: 2900 lbs, post-race with driver. 50% maximum left side weight.

- A. All vehicles will display their horsepower rating and minimum weight **on both sides of the hood** for inspection.
- B. All lead weight will be double-bolted with grade-8 or higher bolts.
- C. All lead weight must be painted a bright color and numbered with your car number.
- D. Dominant cars may be issued a weight penalty at Langley Speedway's discretion.

4. STEERING, SUSPENSION, AND BRAKES

- A. Front-end must remain stock and unaltered. **Upper control arms may be adjustable.** Five (5) degree maximum allowable camber **+/- ½ degree.**
- B. Rear-end must remain stock and unaltered. **Upper control arms may be adjustable.** One (1) degree maximum allowable camber **+/- ½ degree.**
- C. Steering box must remain stock for that year, make, and model.
- D. Quick-release steering wheels are permitted. Collapsible steering columns are permitted.
- E. Shocks and struts must remain stock and unaltered. Mounting points must remain stock.
- F. Springs may be altered and are not required to match your year, make, and model.
- G. Shim stacks (transmission-style shims) are permitted.
- H. Aftermarket, Racing or High-Performance springs are not permitted.
- I. One (1) 360 degree spring rubber per wheel is allowed.
- J. Adjustable ball joints are not permitted.
- K. Locked or locking differentials are not permitted.
- L. Minimum left-side ride height is 5" without the driver. 5" must clear all pans and bolts.
- M. Track officials will determine if damage has altered the allowed clearance.
- N. Front and rear adjustable sway bar links allowed**

5. TIRES AND WHEELS

- A. All cars will run Langley Speedway's spec tire.
- B. Tire-softening compounds are not allowed.
- C. Tire shaving is not allowed.
- D. Camber-cutting is not allowed.
- E. No tire alterations of any kind are allowed.
- F. Once the season starts, a minimum allowable durometer reading will be established. If any tire on any competing vehicle fails this minimum reading, the top 6 drivers in division points along with the Technical Director will inspect the tire/s, make a ruling, or decide to send the tires out for chemical inspection.
- G. Violators of any portion of these tire rules may be penalized, fined, or disqualified at the discretion of the Technical Director.
- H. Only steel 14" x 7" O.E.M. or aftermarket wheels may be used.
- I. All four wheels must be the same size and width.**
- J. Any offset will be permitted but must be the same on all 4 wheels.**

6. BODIES

- A. Frames and suspension must remain stock.
- B. All O.E.M. sheet metal and aftermarket panels must remain stock **appearing**.
- C. Aftermarket bumper covers are allowed.
- D. No bracing will be allowed anywhere except inside the driver's compartment.
- E. Trunk and hood hinges must **remain stock appearing**.
- F. **Rear spoiler permitted. Spoiler may be as wide as the deck lid and no taller than 5 inches**

7. REQUIRED MODIFICATIONS

- A. All insulation under the hood must be removed.
- B. Doors must be welded or bolted shut.
- C. Air bags must be disconnected.
- D. All exterior glass (tail lights, headlights, windows, mirrors, etc.) must be removed.
- E. Windshield must be replaced with clear Lexan.
- F. Lexan windshields must be reinforced with two (2) 1/8" x 1" steel straps in the center.
- G. Side windows can be covered with sheet metal or Lexan and must be pop-riveted in place.
- H. Window net must be installed using no less than 1/2" magnetic steel round bar or 1" by 1/8" flat bar. See track officials if you have any questions.
- I. Two (2) hood pins will be installed at the front of the hood and the rear of the trunk lid.

8. ALLOWABLE MODIFICATIONS

- A. Air conditioning systems may be removed.
- B. Inertia switches and fuel shut-off switches may be removed.
- C. If rear seats are removed, the rear firewall must be covered with steel or aluminum.
- D. Electric cooling fan may be wired to run constantly.
- E. Battery may be moved to the driver's compartment behind the seat.
- F. A battery located in the driver's compartment must be fully enclosed in a battery box.
- G. Dashboard may be removed. Fabricated dashboards are permitted.

9. ROLL CAGE

- A. A 4-Point roll cage with two (2) rear down-bars is required. Cage must be attached to four (4) 1/4" by 2 1/2" steel plates welded to the frame rails.
- B. Driver's door must be reinforced with three (3) door bars made of 1 3/4" by .090" wall seamless tubing. Only remove enough metal from the driver's door to insert roll bars. No sharp edges are allowed.
- C. Driver's side door bars must be plated with a 1/8" steel anti-intrusion plate with minimum dimensions of 20" x 14".
- D. Two (2) roll bars made of 1 3/4" by .090" seamless tubing may be installed thru the firewall from the main roll cage to the leading most edge of the car.
- E. One (1) down-bar on each side at the leading most edge and one (1) cross bar connecting the two roll bars will be permitted.

10. GAS TANKS, FUEL CELLS, AND FUEL

- A. Stock gas tanks located ahead of the rear axle may remain in place.
- B. Stock gas tanks located behind the rear axle must be replaced with a fuel cell or boat tank.

- C. Fuel cells and boat tanks may not exceed 8 gallons.
- D. The fuel cell and fuel cell container must be fastened in the trunk compartment as far forward as possible and located equidistant between the frame rails.
- E. The fuel cell container will be made of 1" x 1" x 0.065" square magnetic steel tubing and secured with a minimum of eight (8), 3/8" diameter bolts.
- F. The flat fuel cell top rack must consist of two (2) tubes lengthwise and two (2) tubes crosswise, equally spaced across the top of the fuel cell container.
- G. The front and rear fuel cell cross members must be constructed using 1" wide and 3" inch tall magnetic steel tubing with a minimum wall thickness of 0.065".
- H. A 1 1/2" diameter magnetic steel reinforcement bar with a minimum wall thickness of 0.083" will be mounted inside the trunk area. This bar must extend a minimum of 6 inches behind the fuel cell and must come up parallel with the top of the fuel cell. The bar must be welded between the rear down bars.
- I. Fuel additives of any kind are prohibited.

11. INSPECTION

All cars are subject to a complete inspection at any time at the discretion of the Technical Inspector. The following items will be routinely checked at the conclusion of each race:

- Ride Height
- Overall weight
- Left-side weight
- Engine compression
- Right Front Camber

12. ELIGIBILITY AND SAFETY

- A. All drivers must be at least 14 years of age. Drivers under 18 must have parental consent.
- B. Car numbers must be registered at the track office.
- C. Car number decals must be at least 24" tall on doors and roof.
- D. A 6" car number decal will be affixed to the upper corner of passenger side windshield.
- E. All race teams will have at least one (1), fully charged, dry chemical fire extinguisher in their pit, exposed and accessible at all times. This includes, but is not limited to, pit road or the outside pit area. The extinguisher will be at least 10-B:C, DOT-rated and be a minimum of 4 lb. capacity. A valid, fully charged pressure gauge will be visible at all times.
- F. Only aluminum seats are permitted and must be secured using 3/8" inch bolts. Seats may not be lightened.
- G. All drivers must wear a helmet that is a Snell SA 2010, or better. All helmets must be inspected by the Tech director. Helmet must accompany car at time of inspection
- H. All drivers must wear fire suits made of flame-retardant material. Suits will be kept in presentable condition. All drivers must wear flame-retardant gloves. Flame-retardant hood, socks and shoes are highly recommended. Gloves and other safety equipment covered by grease and/or oil and not cared for properly should be replaced

- I. The driver's competition shoulder harness and lap belt must be at least three (3) inches wide with a submarine strap. Metal to metal buckles are required on shoulder and seat belts. The shoulder harness should be mounted even with or slightly higher than driver's shoulders. Belts that are weathered or frayed will not be permitted for racing use
- J. Approved "Hans-type" head and neck restraint is mandatory
- K. Fireproof driver's side window net is mandatory
- L. All cars must be equipped with an on-board fire system/extinguisher that is fully charged and accessible to the driver
- M. All roll bars within the driver's reach of his/her leg or arm must be padded
- N. The steering wheel will have a safety pad in the center

13. POST RACE INSPECTION:

- A. Cars found noncompliant will be penalized and may result in forfeiting finishing positions, points, and payout for that event
- B. Noncompliant parts must be surrendered to the track official and will be held for a period of 30 days and then returned to the respected team. Parts not surrendered may result in a penalty for finishing positions, points, and payout for that event
- C. After two (2) wins by a competitor it will be mandatory to add twenty (20) LBS as close to the right front as possible. The location will be determined by the technical inspector. The total car weight will be checked and then checked again once the weight is added and must maintain this for the remainder of the season. This will continue every two (2) wins.