



Orange County Speedway 2010 Xtreme Lightning Division Rules

ORANGE COUNTY SPEEDWAY GENERAL RULES WILL ALSO APPLY FOR THIS DIVISION.

RULE BOOK DISCLAIMER: *The rules and/or regulations 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 events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS 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 reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion does 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.*

This division designed as a starter, economical racing event for the inexperienced racer which promotes fun and safe competition as the premise. As questions arise, competitors are strongly encouraged to speak with track officials to ensure the competitor has a safe and favorable learning experience.

1. ELIGIBILITY: OCS Officials in charge have the right to refuse any entry. All drivers must be at least 16 years of age. Drivers may not have any previous stock car racing experience in a division or class that officials determine to be a higher level division than the this division. Previous racing experience and achievements in any similar racing division or in any other racing series or sanctioning bodies will be considered in determining a driver's eligibility.

2. COMPETING MODELS:

A. 1980 or newer front wheel drive, four cylinder passenger cars only. No all-wheel drive or all-wheel steering allowed. No convertibles, station wagons, vans or pick-up trucks allowed.

B. All drivers must have a service manual for the vehicle model and type being competed in showing engine, transmission, wheel, weight, and tire specifications. This manual must be in the possession of the driver at each race they compete in and must be made available to the division inspector if requested.

3. CAR BODIES:

A. GENERAL BODY REQUIREMENTS

- Body must maintain original dimensions, standard as from the manufacturer.
- Floor pan, trunk floor, front and rear inner wheel wells must remain stock, and in stock location. Fabricated floor pans, trunk floor, front and rear inner wheel wells are not permitted.
- Interior trim (carpet, headliner, side panels, etc.) must be removed.

B. WINDSHIELD- All cars must be equipped with a full front windshield. Windshield must be in stock location. Windshield must be clear polycarbonate glass (Lexan, etc.), minimum 1/8th inch thick. The polycarbonate glass must be formed to the same shape as the original equipment glass. No tint permitted. Two steel support bars must be installed behind windshield, 1 inch wide by 1/8th inch thick.

C. REAR WINDOW - Rear window is optional. Rear window must be installed in original position. Only clear polycarbonate glass (Lexan, etc.) may be used in the rear window opening. The polycarbonate glass must be minimum 1/8th inch thick and formed to the same shape as the original equipment glass. No tint permitted. The rear window must be secured with a minimum of two metal straps on the outside not less than 1 inch wide by 1/8th inch thick, evenly spaced and bolted to the roof at the top and the deck support panel at the bottom. The inside of the rear window must be supported by at least two (2) metal braces permanently mounted without any adjustments.

D. SIDE WINDOW/WINDOW SCREEN - All sidewindow glass must be removed. A nylon mesh screen must be installed in the left side door glass opening. The window screen must be a rib type made from 3/4 inch wide, maximum one (1) inch nylon material with a minimum one (1) inch square opening between the ribs. The minimum window screen size shall be 22 inches wide by 16 inches high. All window screen mounts must be a minimum 1/2 inch steel rod on the bottom and a minimum one (1) inch wide by 3/16 inch flat steel or a minimum 1/2 inch

diameter steel rod on the top with mounts welded to the roll cage. The window screen, when in the closed position, must fit tight and be secured with a quick release type latch at the top in front only.

E. HEADLIGHTS/PARKING LIGHTS – All headlights, parking lights, turn signals, side marker lights, etc. must be removed. Headlight, parking light, turn signal, side marker light, etc. openings must be neatly covered with sheet metal. Sheet metal covers must be solid, with no holes or openings drilled or cut in them (except for mounting holes that are covered by screws or rivets).

F. REAR VIEW MIRROR - Inside rear view mirror will be required. Stock mirror is OK. Wink type three dimensional mirror allowed with a maximum width of 26 inches. Rear view mirror cannot extend outside of the car. Stock outside rear view mirrors must be removed.

G. DASHBOARD - All cars must have a complete, stock dashboard or fabricated dashboard permitted. In dash radio and speakers can be removed. All other components must remain stock.

H. FIREWALL - Front firewall must remain stock and remain in stock location. Fabricated firewalls not allowed. A rear firewall of not less than 22 gauge sheet metal must be installed in place of the rear seat on non-hatchback cars.

I. DOORS - Doors must remain in the stock position. Doors must be welded shut in an approved manner. Doors may only have metal removed to allow for clearance around the roll cage door bars.

J. FENDERS AND QUARTER PANELS - Fenders and quarter panels may not be trimmed for tire clearance. The inner fenders/wheel wells must remain stock and unaltered.

K. GRILLES - Grilles may be covered with unpainted screen wire attached to the grille only. Screen wire must be porous. Closed grilles will not be permitted for racing.

L. HOOD/ROOF - Hood must maintain stock configuration. No removal of metal/lightening allowed. Hood must be mounted to stock hinges. Hood must be held shut by a minimum of two hood pins. Hood Insulation must be removed. Roof must be stock for make and model of car.

M. REAR DECK LID - Rear deck lid must maintain stock configuration. No removal of metal/lightening allowed. Rear deck lid must be mounted to stock hinges. Rear deck lid must be held shut by a minimum of two hood pins.

N. BUMPERS - Front and rear bumpers must be stock, and in the standard location for make and model of car.

O. IDENTIFICATION AND MARKING – refer to General Track Rules.

4. ENGINE - Engine must remain in stock location.

A. GENERAL ENGINE SPECIFICATIONS – Stock four-cylinder engine only. When measuring compression, it may not vary more than 10% of stock requirements. Engine must remain stock as delivered by the factory. No Cosworth or rotary engines allowed. No quad-four or four valve per cylinder engines allowed. No turbo-charged or supercharged engines allowed. All engines must be used in the model of car for which they were manufactured. No components may be omitted from the engine compartment (air cleaner, etc.). Only air conditioning compressor and condenser may be removed. Alternator must remain as manufactured. Power steering is optional. No factory or aftermarket high performance components will be allowed in the engine or drive train.

B. CARBURETOR/FUEL INJECTION – Stock carburetor or fuel injection system for the make and model car being competed in.

C. AIR CLEANER AND AIR FILTER – Stock production (or direct replacement type) air filter element is required. No high performance (K & N type, etc.) will be allowed. All air shall be filtered through the air filter element. The air filter element may not be sprayed with any type of chemicals or liquids. Air filter housing may not be modified in any way. Non-stock ducting of outside air to the air filter housing will not be permitted.

D. FAN - Electric cooling fan may be wired to run constantly.

E. RADIATOR - Only water allowed in the radiator and cooling system. NO anti-freeze allowed. Fines will be issued for use of anti-freeze or synthetic oils.

F. EXHAUST SYSTEM - Complete stock exhaust system (including correct original equipment muffler (or mufflers) and catalytic converter) must remain in place, Or Catalytic converter and muffler may be removed and replaced with a straight tube of the same diameter as the inlet and outlet of those items NO headers, high performance mufflers or exhaust systems allowed. Exhaust system may exit either on the left or right hand side underneath the car behind the driver. The exhaust system may also exit below the rear bumper at the rear of the car.

- 5. ELECTRICAL** - Battery must be mounted in the right front floor and must be completely enclosed in a steel or plastic battery box with lid.
- 6. DRIVE TRAIN** - Automatic or manual transmission allowed. Transmission must be stock for the make and model car used.
- 7. SUSPENSION** - Only stock suspension parts allowed. No after Market or high performance springs allowed. Springs on left and right must be the same in all dimensions. Maximum negative camber allowed is 3.0 degree. Rear wheel camber must be the same on left and right sides. Minimum ride height for all cars is 5" less driver.
- 8. STEERING COMPONENTS** - Only stock steering components allowed. Stock steering column with working stock ignition switch is required. Car must start using stock ignition switch. Locking mechanism in steering column must be disabled. Stock steering wheel allowed if air bag is removed. Steering wheels may be equipped with a metal quick release coupling.
- 9. BRAKES** - Stock brakes in good working order required at all four wheels. Air ducts are ok.
- 10. WHEELS** - Stock wheel for the make and model being competed in are required. All wheels on a car must be the same size and offset.
- 11. TIRES** - Passenger car tires only. NO high performance, low profile, speed rated or soft compound tires allowed. NO recaps allowed. 60 series maximum width. All tires on a car must be the same size. Track Officials reserve the right to disallow any tire from use in competition.
- 12. FUEL SYSTEMS** - Fuel cell recommended (8-gallon maximum). Fuel cell must be covered by 20-gauge sheet metal on all sides. Top of cover may be hinged for access. Fuel cell must be secured by 4 metal straps and must be placed as far forward in the trunk as possible. Cars may use stock tank and must run with less than ½ tank of fuel at all times. Ford inertia switch (fuel shut off) may be removed. Fuel injected cars must be equipped with fuel shut off switch (mercury, oil pressure or toggle switch). Pump gas only (no additives or altered fuel allowed).
- 13. SEATS AND SEATBELTS**
- A. SEATS : All stock seats must be removed. A racing bucket seat with headrest is mandatory. Seat must be factory manufactured. Seat must be aluminum, a minimum of 1/8 inch thick. Lightening of the seat in any way will not be allowed. Seat must be properly mounted to the roll cage and installation must be acceptable to Track Officials. Seat may not be mounted to the floorboard. Adequate padding for the seat and headrest is mandatory.
- B. SEATBELTS: A quick release belt no less than 3 inches wide is mandatory. Both ends of lap belt must be fastened to the roll bar cage with high quality bolts not less than 3/8's inch in diameter. Shoulder harness must be no less than 3 inches wide and must come from behind the driver's seat. Where the harness crosses the roll cage, it must pass through a steel guide welded to the roll cage that will prevent the harness from sliding from side to side. A center (crotch) belt must be securely mounted to the lower seat frame at the bottom and to the lap seat belt on the top. Where the belts pass through the seat edges, it must have a grommet installed, be rolled, and/or padded to prevent cutting of the belt. All seat belts and shoulder harness must connect at the lap belt with an approved quick release buckle. All belts and window nets must be 5 years or newer.
- 14. ROLLBARS** - Minimum six point roll cage required.
- A. Main roll cage must be attached (welded) to four ¼ inch by 2 ½ inch (minimum) steel plates welded to the interior floor pan at the frame rails. The same size plate or greater must be bolted from bottom side of floor pan with ½" bolts. All roll cages must have a minimum of 4 left side door bars. All left side door bars must be curved with the exception of the bottom door bar which may be straight.

- B. All roll cages must have a minimum of 3 curved right side door bars. No bars will be allowed to extend through the front firewall.
- C. All roll cages must have 2 rear leg bars that extend from the back of the main hoop down and rearward to the rear of the trunk floor. Rear leg bars must be attached (welded) to ¼ inch by 2 ½ inch (minimum) steel plates or a horizontal section of roll bar tubing welded to the interior floor pan. No other bars will be allowed to extend rearward beyond the centerline of the rear axle.
- D. Round magnetic steel tubing 1-3/4 X .090 inch seamless roll over bars are required for the roll cage and must be acceptable to Track Officials. Aluminum and/or other soft metals are not permitted.
- E. Roll bar connections must be welded.
- F. A magnetic steel plate, 1/8 inch thick must be installed over the left side door bars and welded or bolted in place using a minimum of four (4) ½ inch magnetic steel bolts. The plate must begin in line with the back edge of the driver's seat and extend forward to a minimum of six (6) inches beyond the front edge of the driver's seat (not including add-on leg supports). The plate must extend from the top left side door bar to the top of the left side rocker panel. Plating may be installed in sections provided that the installation leaves no open spaces between the left side door bars within the coverage area described above, or between the bottom left side door bar and the top of the left side rocker panel within the coverage area described above.

15. FIRE CONTROL and SAFETY EQUIPMENT- Refer to General Track Rules.

16. CAR WEIGHT - Cars will be weighed with driver. Any weight added to the cars must be equally distributed on the left and right sides. Excessive sheet metal removal to achieve your weight is not allowed. The total weight for the various makes of cars is as follows.

Buick Skylark 2300 Lbs	Dodge Daytona 2500Lbs	Dodge Shadow 2500 Lbs
Ford Escort 2350 Lbs	Ford Probe 2600 Lbs	Honda CRX 2100 Lbs
Honda Prelude 2600 Lbs	Mazda 2300 Lbs	Pontiac Grand Am 2550 Lbs
VW Rabbit 2100 Lbs		

Any Make/Model not listed will be added as needed. Weights will be adjusted to equalize competition periodically. Weight must be posted on top left door. Fifty (50) pounds added after every 3rd win.

17. TREAD WIDTH - The maximum tread width of any car must be stock for the make and model of the car.