



2024 SUPER LATE MODEL RULES

TRANSPONDERS & RACECEIVER REQUIRED

No other radio or communication equipment or mirrors allowed at any time

BODY:

A-Use Lucas Oil Late Model Dirt Series body rules

CHASSIS / FRAME

A-No aluminum frames or front clips. All frames must be of steel construction and must a minimum of 2" X 2" square tubing or rectangular, with a minimum Thickness of .083"

B-If round tube frame, tubing must have a minimum of 1 ¾ outside diameter, With a minimum material thickness of .083" These frames must use 4130 Chrome moly steel for construction

C-No front or rear bumpers allowed , may be re-enforced , but no rear extension except for push bar. Push bar must NOT extend more that 6" beyond rear quarter panels, and must have welded supports to frame at each end .In any case bumper may not extend beyond center of rear tires

D- Wheelbase a minimum of 103" and maximum 105" at any time

E-No wings or tunnels of any kind allowed underneath the body or chassis of the car

ROLLCAGE

A-All cars must have a suitable steel roll cage protecting the drivers compartment including headrest

B- Side roll bars are mandatory, and must extend into the door panel,

C- A minimum of (3) three bars must be used on the left side.

D-Each bar must be at least 1 ½ in diameter , with a minimum material thickness of .083

E-Roll cage must be welded to frame

SHOCKS & SPRINGS

- A-**Shocks must be constructed of aluminum or steel, canister shocks are permitted
- B-**The only external connection allowed to the shocks is a single hose to a single remote canister with the option of a compression adjuster in the canister.
compression adjuster and or canister cannot be mounted within reach of the driver
- C-**No cross connected shocks are allowed
- D-**No "ROD THROUGH" designs allowed ROD THROUGH shocks are defined as Those shock absorbers in which the piston rod protruded from both ends of the shock body
- E-**No inerters are allowed
- F-**No inerter style dampers, either mechanical or hydraulic, or other type of primarily acceleration sensitive damping devices not permitted
- G-**No electrical adjusted or active dampers are allowed, No electrical wires transmitting or receiving components will be allowed to be attached internally or externally to the dampers or mounted inside any component or dampers
- H-**No portion of the racecar including and not limited to shocks and springs components or chassis components may have the ability to communicate transfer/transmit/receive any type of digital or analog data or any language and or adjust or monitor in any way whatsoever, including but not limited to a variation of wireless remote device/phone/computer/tablets/ipads or mechanical remote device.
- I-**Springs must be made of steel
- J-**Torsion bars are not allowed in the rear
- K-**Coil springs must be steel, Leaf springs may be composite or steel
- L-**Only(1) one shock per wheel permitted at the left front, right front & right rear corners
- M-**Left rear must have (1) one shock behind the axle tube and may have (1) one (dummy) shock on the front side of axle tube, must be mounted to birdage
- N-**(1) One 5th coil shock permitted
- O-**(1) One 90/10 shock must be mounted above lift arm on upper lift arm plates must be mounted towards the front of car, lying parallel with the car, Shocks must be within 3" of the centerline of the rear ends center section.

SHOCKS & SPRINGS (cont)

P-Bump stops and or bump springs are permitted

Q- Suspension covers are not allowed, rear covers on racecar are not allowed outside of your pit area

R- Spring and or shock covers are permitted, but must be fastened directly to the spring or shock

S- A swing arm and or Z link suspension is permitted as long as the top & bottom solid link are mounted on the frame and run in the opposite directions of the bird cage

T- The shock on a swing arm or Z link rear suspension may mount to the bird cage or the bottom of radius rod

SUSPENSION COMPONENTS:

A- Suspension and rear end parts can be made of steel or aluminum, aluminum mounting brackets are permitted

B- Frame and or suspension mounts must be welded or bolted or bolted solid to the frame and not move, Floating, sibling . Pivoting and or mounts and or brackets of any sorts are not allowed.

C- Bolted components must match the correct bolts size with the holes (for instance no 3/8 bolts in a 1/2 inch holes will be deemed illegal, and be torqued to a min of 40 ft pounds per inch.

REAR SUSPENSION MOUNTS:

A- Single shear mounts must be 1/4" minimum steel or 1/2" minimum aluminum

B- Double shear mounts must be 1/8" minimum steel and or 1/4" minimum aluminum

C- Shear mounts must use minimum 5/8" rod ends with a minimum 1/2" grade 8 bolt only

D- Double shear mounts must be no wider than 4 inch and a minimum 1/2" grade 8 bolt with a steel or aluminum spacer only

E- Only (1) one mechanical traction device is permitted

F- Only (1) one pull bar or (1) one lift bar permitted

G- No other options are allowed

H- Covers of any sort in any relation to the lift arm or pull bar are not allowed

LIFT ARMS & PULL BAR:

A- Floating, Pivoting and or rotating mounts or brackets of any sort (connected to and or associated with the pull or lift bar are not allowed

B- Lift arm is defined as the steel or aluminum triangular bar that is connected at the top and bottom of the rear end housing, extending forward where it is connected to a shock, shockspring coilover combination and a limiting chain.

C-(1) one stabilizer bar is permitted to locate the front of the lift arm from left to right in the car.

D-6th coil or braking spring assemblies are permitted, must be in front of 5th coil shock.

E-Pull bar is defined as a continuous assembly that is connected to the top of the rear end extends forward to a solid mounting point located on the chassis.

F-The mounting location at both the front & rear of the pull bar may be adjustable, but must remain constant during competition (cannot be adjustable from cockpit)

RADIUS RODS:

A- All rear suspension radius rods must be of a fixed length, No hydraulic cylinders, torsion bars, bump rods, spring rods, slider rods or shock type radius rods are permitted

B- Radius rods must be a minimum of 1" diameter OD Rods can be round, square or hex shaped

C-Radius rods must be minimum of .095 steel or .120 aluminum tubing thickness

D-Heim joints must be a minimum 5/8" and maximum 3/4" steel heim, no rubber bushings

E-Only (2) radius rods per side

F- Radius rods must be spaced on the frame a minimum of 6"

G-Radius rods must be spaced on the birdcage a minimum of 6" and a Maximum of 12"

H- Measurements will be made from center of each radius rod bolt

BIRDCAGES:

- A-** Birdcage may consist of multiple barrels, but must bolt or weld together to work as a single barrel birdcage
- B-** Limited to (1) birdcage per side
- C-** Shock(s) and radius rods must mount to birdcage
- D-** Floating, pivoting and or rotating mounts or brackets of any sort are not allowed
- E-** All brackets or mounts attached to the birdcage must be bolted or welded solid

DRIVER COMPARTMENT /SAFETY:

- A-** A full metal firewall must encompass the drivers compartment – front to rear, sides and floorboard
- B-** Drivers seat must be of a proper racing seat, located on the left side of car and securely attached to the frame
- C-** A full racing seat belt harness must be used, harness must be mounted to frame and not to seat
- D-** All cars must have quick release steering wheel
- E-** All cars must have a working starter, operated from inside car
- F-** Battery must not be mounted in drivers compartment
- G-** We strongly recommend that all cars have an approved fire extinguisher system, securely mounted, within reach of the driver (A 5 lb Halon system is recommended)
- H-** All drivers must wear full fire resistant uniform
- I-** No electronic or computer controlled devices or data acquisition system allowed
- J-** No Bluetooth or wireless driven devices allowed

FUEL CELL /FUEL:

- A-** An approved fuel cell (32 gallons maximum must be securely mounted in the trunk area of the car, inside a .20 gauge metal box supported by a minimum of 2" x 1/8 " steel straps
- B-** All fuel cells must be completely visible from rear of car
- C-** Fuel cell must not be mounted lower than bottom of quick-change rear end.
- D-** Pump gas or racing gas only (Pump gas contains 10% ethanol as allowed by law)
- E-** E85 fuel is allowed, Fuel must water test and check within 1% at any time checked (ETHANOL –MAX min83%)

FUEL CELL /FUEL: (cont)

- F- No alcohol, No methanol, nitous oxide or chemical additive including but not limited to Propylene oxide, nitro methane, nitor propane or any nitrate additives
- G- Gas must pass acid test

TRANSMISSION:

- A- Drive train must have transmission mounted on the rear of engine- no direct drive or in-out boxes
- B- Any transmission, with working forward and reverse gears is permitted, and must lead to (1) one driveshaft
- C-All driveshafts must be painted silver / white , and must be protected by a minimum of (1) safety hoop or a sling

REAR ENDS:

- A- Any type of rear end / differential permitted

BRAKES:

- A- All cars must have operational (4) wheel brakes
- B- No carbon fiber brake parts allowed

WHEELS:

- A- Only aluminum wheels will be permitted, must be mounted with lug nuts
- B-No knock off or center lock wheels
- C- Maximum wheel width – 14inch
- D- Maximum width side to side on outside of front tires 90”
- E- Maximum width side to side on outside of rear tires 88”

TIRES: refer to NGS tire rules

- A- Grooving, sipping tires permitted
- B- All tires must have all numbers codes and name on the tire, No grinding off of numbers codes or names, any tire that has been altered will be illegal
- C- No tire softners, no conditioners, no altering of tires with any natural or unnatural hazardous or non hazardous components or chemicals which alter the factory set baseline-settings of a given tire, ALL competitors are subject to tire inspections

ENGINE:

- A- Engine setback will be 6" maximum for all engines measured from center of top ball joint to most forward spark plug (1" tolerance)
- B-All heads are limited to (1) spark plug and (2) valves per cylinder
- C-No titanium or other "exotic material , crankshaft or connecting rods allowed
- D-There must be inspection hole, minimum 1" diameter in oil pan for rod and crank inspection or be willing to pull oil pan for inspection
- E- (1) single 4 barrel carburetor only of any manufacture, No turbo chargers, blowers or fuel injection , All engine must be natural aspirated
- F- Mechanical fuel pumps only, No electrical fuel pumps and no pressurized fuel systems
- G-Magneto permitted , but must have an operating self starter
- H-The GM /CT525 will be the only engine allowed to use a coil pack distributor less ignition system
- I- All GM CT525 must be factory sealed and meet all GM/CT525 engine specs

A- ENGINE 2250LBS –WITH DRIVER

ALL CAST IRON HEADS AND BLOCK OR CAST IRON BLOCKS AND ALUMINUM HEADS

8" SPOILERS WITH 12" SIDES

6" MAX SETBACK 91' TOLERANCE

B-ENGINE 2350LBS WITH DRIVER

ALL ALUMINUM BLOCK & HEADS

8" SPOILER

6" MAX SETBACK (1" TOLERANCE)

C-ENGINE 2300LBS WITH DRIVER

GM /CT525

8" SPOILER

6" SETBACK (1" TOLERANCE)

WEIGHT:

- A-** No weight allowance after time trials
- B-** Minimum weight will be measured with driver
- C-** No rear end covers or wheel covers allowed on car while car is being weighed
- D-** Attached weight must be securely bolted to frame with ½ or larger bolts and painted white or silver with car number clearly painted on them
- E-** No weight may be attached to rear bumper
- F-** No lead pellets or liquid weight
- G-** No driver operated weight adjustments devices
- H-** All cars must have specified weight posted on top right of car
- I-** Track reserve the right to adjust weight in interest of competition should it deem necessary

SUPER LATE MODEL PROTEST FEES:

- \$400- rod & crank inspection pan must have inspection hole, if not pan must be removed
- \$125-tire (per tire)
- \$100- engine setback (1" tolerance)
- \$125- Gas
- \$400 Claim rule on each ignition box this includes all brands
- \$100 wheel(tire must be removed)

Any item not listed in protest fees is considered a visual protest item and must be protested before race not after