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2020 Late Model RULES

February 7, 2020

Late Models

- 1) **TEMPLATE BODY.** All cars must be template body (ABC dimensions OR AR BODY). Cars must have asphalt-style template nose piece (no cutting or trimming of nose allowed), rear bumper cover, template roof, windshield and rear window. Rear spoiler of 6 ½" x 60" max (centered). Min roof height 47".
- 2) **NOW ALLOWING AR BODIES MUSCLE CARS. MUSTANG, CHALLENGER, AND CAMARO. TIRES.** 8" American Racer 970's. No recaps. All tires must have baby powder and tech may ask for any tire or tires to be removed and took to tire shed to be checked!!
- 3) **WEIGHT-** All cars must weigh a minimum of 2800 pounds after feature race. Left side weight is not to exceed 58% of total vehicle weight. All weight is to be securely mounted and painted white.
- 4) **ENGINE AND CARBURETOR -** Any factory produced V8 engine with cast iron block and cast iron or aluminum heads permitted. ANY CARBURETOR PERMITTED. Ignition control boxes (MSD boxes) must be mounted in clear view and out of driver's reach while in seat. Engine, chassis and body manufacturer need not match. 4" engine set back max.
- 5) **SUSPENSION –** Wheelbase of at least 101". Max width of car 81" (outside of tire to outside of tire). Wedge bolts are permitted. Rack and pinion steering is permitted. Coil over shocks are permitted. Bump stops are permitted. No traction control allowed. No independent rear suspension.
- 6) **FRAME and ROLL CAGES–** Tubular mild steel fabricated frames are permitted. Main frame rails must be constructed of at least .095" thick mild steel. Full cage required, with four uprights at least 1.625" O.D. with .095" thickness mild steel - welded to main frame rails. Top of cage should form a box and follow the contour of the windshield in front and rear. At least three door bars are required on drivers' side. Door bars must run between front and rear roll cage posts. Gussets should be used where possible. Bars around driver must be padded. Cages must be approved.
- 7) **INTERIOR -** All cars must have complete firewall, front and rear. Front firewall extending from the left side frame rail to the middle of the interior floorboard is required. It must extend under the driver including the foot pedal area and rear firewall directly behind the driver and must be at least 20-gauge steel. The remaining interior may be aluminum (.025" min.). Interior sheet metal beside driver must run no higher than from the seat cushion at an angle to the bottom of the window opening. Racing seat required, bolted/welded to chassis.
- 8) **FUEL CELL -** Maximum 22-gallon SFI approved commercial type fuel cell bladder with foam Insert required in a steel sheet metal box. Cell must be mounted in trunk area, between frame rails, with bottom of cell no lower than the bottom of the rear end center section. Cells must be secured by a framework using a minimum of 1" square tubing. Rear protective bars required.



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- 9) WINDSHIELD / WINDOWS – Lexan / polycarbonate front windshield, rear glass and rear quarter windows (at least 1/8” thick) are required. No driver or passenger windows are permitted other than wing vents extending no further back than the rear-most part of windshield. Rear edge of vents must be perpendicular down to door ledge.
- 10) EXHAUST SYSTEM - Must be safe and meet approval. Exhaust pipes may not pass through the driver’s compartment. Exhaust pipes must exit below and behind the driver.
- 11) STARTERS/BATTERIES - All cars must have working starter and battery. All batteries must be securely mounted and covered.
- 12) FUEL LINES - Fuel lines must be securely mounted and protected. Fuel lines may not run through the driver’s compartment and must be steel braided or equivalent with high pressure fittings. No electric fuel pumps permitted. Only gasoline is permitted.
- 13) DRIVE TRAINS - Transmissions must have a minimum of two forward gears and reverse. Brinn type transmissions are allowed. Drive shafts must have at least one 360-degree safety strap/loop directly behind front universal joint. Quick change rear ends are permitted. Floater type of rear end required.
- 14) WHEELS/BRAKES - Maximum 10” wheel width permitted. All wheels must be steel racing type. Wheel lugs must be 5/8”min. Brakes must be in good working order on all four corners. Front and rear hubs may be replaced with heavy-duty after-market hubs. Any non-mechanical traction control device intended to limit wheel slip is prohibited. No wiring of any kind permitted to front suspension.
- 15) SAFETY EQUIPMENT - All drivers must be protected at all times with Nomex SFI 3.2 A/5 fire suit, seat belts, shoulder harness, headrest, and helmet with a SA2005 or later Snell rating. SFI 3.3/5 gloves, SFI 3.3/5 driving shoes and fire resistant underwear are highly recommended. Shoulder and side head restraints as part of the racing seat are required. Seat belts and harness are required to be a five-point system with lower crouch 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 as it goes through the seat. Belt systems must be a minimum of 3” SFI approved units, dated no earlier than 2005. All cars must have a window net on the left side window opening with a seat belt latch mechanism on the top front corner. Fire extinguisher of B or C dry powder type or equivalent must be in every car and be easily accessible to both driver and right-side window. A quick release mount is mandatory. Each car should have a fully charged 10 to 13-pound B and C type fire extinguisher in its pit area.



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- 16) RADIATORS - Must be mounted in front of the engine and have an overflow tank of no less than 2-quart capacity or have the overflow hose directed up onto the windshield. Radiator mounting must not alter sheet metal. No Glycol based Antifreeze coolant permitted.
- 17) RADIOS - 2-way radios are permitted. Use of a scanner type receiver for communication from track officials to drivers is mandatory.
- 18) PAINTING - Numbers must be at least 18" tall on both doors and 4" in upper right-hand corner of windshield.
- 19) INSPECTION - Inspection of all cars will be subject to official approval.
- 20) PROMOTER'S OPTION: Ona Speedway reserves the right to qualify late models with a field invert that will be drawn by pole sitter or a complete official finishing order invert from previous race. (last week's winner starting on the tail) Late models racing that were not in previous race will start behind the invert.