

Mt Lawn Speedway

JW Photography Stock Compacts

2023 Rules

TECHNICAL RULES:

Front Wheel Drive Overview In an effort to introduce **new** people to the fun and excitement of stock car racing, MT Lawn Speedway has developed the F.W.D division. (Front wheel drive cars). These cars are not intended to be performance, race-type vehicles. These cars are to be **Stock** with only modifications outlined below. The goal is to have inexpensive (almost disposable) cars. **We have decided to go off a time rule for this class with limited rules ...**

VERY SIMPLE ... GO FASTER THAN 19.80 for 1 LAP AND YOU WILL GET DISQUALIFIED !!

Only modifications for safety outlined herein are allowed.

Any car under 19.8 seconds can be upgraded to the Pro Compact class....

Eligible Cars:

1. Car must be a subcompact style, 4 or 6 cylinder model. A few midsize vehicles are permitted with prior approval of the technical director. Car must be a STOCK, street legal vehicle with modifications for safety.
2. Convertibles, 4-wheel drive, rear engine, mid-engine and trucks are not permitted.

Safety Equipment:

1. All Cars must have a roll cage.
2. Roll cage must be 4 or 6 point design and constructed of 1.75" or 1.5" (minimum), .095" steel tubing.
3. Tubing must be roll cage tubing (HREW, CREW, or DOM). All tubing connections, seams, bracing, etc must be fully welded (no "tack welds" permitted). Cage must be sufficiently attached to the floor/unit frame of the vehicle by welding to the rocker rail or to ¼" minimum thickness sandwich plates bolted through the floor. Reinforcing plate, tubing, or steel angle on the inside of the rocker rails is required.
4. Main hoop of cage must include a diagonal reinforcing bar.
5. Roll cage must include a minimum of 3 door bars per side, connected with spacing bars between each door bar. Driver's side bars must be arched away from the driver's seat area. Driver's door bars must be connected by tubing, or bracing, to the rocker rail. Driver's door bars must be covered with steel plate on the outside (minimum 1/8" thickness).
6. Roll cage design must include a minimum of 5 bars extending side to side (top of main hoop, front of halo, dash bar, middle of main hoop, and bottom of main hoop). An additional bar connecting the left and right side door bars behind the driver's seat is permitted. Bars extending through the firewall to the front uni-rail(s) are permitted, but may not extend forward of the strut towers. Diagonal bracing from the a-pillar bars (front uprights) to the dash bar is strongly encouraged. Diagonal support bars extending from the main hoop to the rear are encouraged, and may extend to a distance no closer than 10" from the rear bumper.

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7. Safety padding on the driver's door roll cage bars is required. Safety padding on any roll cage bar that a driver's limbs or body may contact is also required.
8. Core supports may be reinforced or replaced with tubing. Core support structure may not extend rearward beyond the strut towers. Tubing directly connecting the core support to the roll cage is not permitted.
9. **An aluminum racing seat is Mandatory.** Seat must be mounted to the roll cage using 1" minimum diameter tubing or material with equivalent or better strength, and bolted with a minimum of six 3/8" or larger (grade 5 or better) bolts with washers to prevent "pull through". Use of seat "halo type" head restraints and shoulder supports are strongly encouraged.
Window Nets are Mandatory and fastened at all times while on the track.
Head and Neck Restraints Mandatory with a minimum of a Neck Collar. Safety Gloves Mandatory.
10. A minimum of a three inch wide, five (or six) point safety harness is required, and must be attached with grade 8 hardware (or better) to the roll cage and/or seat mount. **Belts must have a certification date no earlier than 2019**, and must have certification tags still attached. Seat belts must be used and securely latched for all events, and at any time the car is on the racing surface.
11. A fuel pump shut off switch is required, and must be mounted at the left front (driver's side) of the interior, in a location that can be reached easily by both the driver and track safety personnel, and the switch must be clearly labeled.
12. An Electrical engine shut off switch is required and must be labeled within reach of the driver.

Body:

1. All exterior trim, including lights, body moldings, mirrors, all glass etc. must be removed, except windshield.
All cars Must have Full Windshield. Lexan replacement windshields must have a minimum of 3 upright, support bars spaced no more than 5" apart. These support bars must be at least 1/2" in diameter. Cracked windshields which impede the driver's vision must be replaced.
2. The outer body must remain unchanged and fully stock. **No Spoilers even if stock.**
3. The rear window frame on hatchback cars may be removed. If removed, the deck portion must be replaced with sheet metal to retain stock appearance.
4. Hoods and trunks must have hood pins for easy access and not be bolted down.
5. Doors must be bolted or welded shut.
6. The stock steel floor pan, trunk area, trunk floor and wheel wells must be retained and unaltered.
Sharp, protruding objects on car or in driver's compartment must be removed.
7. All flammable material must be removed and you **may** remove the factory dashboard.
8. Front firewall must be sealed with no holes. A complete firewall must seal the trunk area from the driver's compartment. The factory, rear seat back framing, may serve as a firewall.
9. There can be no additional weight or ballast attached to the vehicle unless management accessed.
10. Sunroof openings must be entirely covered with steel or welded closed.

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Tires and Wheels:

1. Any 13", 14", 15" or 16" D.O.T. Series 60 up to 85. .All- season or all weather tire to be used. Tires must have a standard road tread design with visible regular tread grooves.
- 2 **Each Tire Must have a Treadwear of 400 or above and clearly marked on the sidewall.** Low profile, racing or snow tread tires are prohibited. Recapped and retreaded tires are prohibited. .
3. Right and Left Side wheels can be steel racing wheels with a 3 ½" minimum offset or Stock wheels...
4. Maximum 7" wheels are permitted.
5. Tires and wheels shall not extend beyond the bodywork in an unsafe manner.
6. Wheel stud threads must be visible above the top of the lug nuts. 1" lug nuts are permitted and encouraged.

Suspension, Drive train, and Brakes:

1. Car must maintain a **minimum of 5" ride height**. No body panel, skirting, or frame rail lower than 5" above the ground is permitted...

Engine and Transmission:

1. Maximum displacement for V6 is 3.5 liters and Must run factory automatic transmission.
2. Engine must be in stock location.
3. Exhaust system must exit behind the driver and the last 6" of the exhaust pipe must not exceed 2" inner diameter and must be visible for inspection.
4. Car may utilize the stock factory location for the battery or the battery may be moved to a safe location inside the car in a covered, spark-proof box made for this application.
5. The factory, stock steering column must be unaltered except for a quick release steering wheel.
6. Radiator must contain water only. Antifreeze is not permitted. Penalty when caught.
7. **Fuel Cells Highly Recommended !!!** **Factory stock fuel tanks, located in front of the rear wheels may be used with the addition of at least 2 additional steel straps and a SKID PLATE!** All other fuel tanks or cells must be mounted in the trunk area between the rear wheels, as far forward as possible. These tanks **must be secured with steel straps, bolts and oversized washers along with a skid plate.** A complete, steel firewall must be between the tank and driver's compartment. Fuel lines may not run through the driver's compartment.

Rules and Set Time Rule Subject to Change if Needed.

IF TRACK PERSONAL OR TECH DEPT FEELS ONE TYPE OF ENGINE / CAR IS DOMINATING THE CLASS / DIVISION WE RESERVE THE RIGHT TO TAKE ACTION TO KEEP ALL CARS COMPETITIVE FOR THE BETTERMENT OF RACING.