

FAIRGROUNDS SPEEDWAY NASHVILLE



2017 Pro Mod Rules

(Competing on 1/4 Mile Track)



Speedway officials retain the right to determine eligibility.

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 his /her opinions do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation of deviation of these rules is left to the discretion of the officials. Their decision is final.

Safety Rules

1. All safety apparel must be worn while on the racing surface. This will be enforced for practice and race dates.
2. HEAD AND NECK RESTRAINT SFI rated Head and neck restraint / helmet support MANDATORY in all divisions.
3. Driver must wear eye protection under race conditions. (i.e. goggles or face shield)
4. Neck brace is recommended
5. FIRE Resistant Driving gloves MANDATORY.
6. HELMET / DRIVING SUIT all drivers must have Fire Resistant driving suit with no rips or tears and approved SA2005 or newer helmet.
7. FIRE EXTINGUISHER all cars must be equipped with a minimum 2 pound fire extinguisher (fully charged) with working readable gauge mounted securely in car within reach of the driver when belted in car. Must be mounted with quick release type latch.
8. Roll bar padding required on all bars within reach of the driver especially all Left side door bars and bars around head. Fire Resistant roll bar Padding Highly recommended.
9. RACING SEAT Aluminum Racing Seat MANDATORY/ Full containment seats highly recommended in all divisions. Seat should be mounted with no less than 8- 3/8" diameter grade 8 bolts (Four places in the bottom (each corner) and 4 bolts in the back of the seat to a Aluminum seat back bracket that also mounts with 4- 3/8" diameter Grade 8 Bolts Heavy duty Large OD Flat washers and lock nuts. Any bolt holding your seat should be Grade 8 min 3/8" diameter always used with large OD heavy duty flat washers and lock nuts. Bolts should always be located close to the corners of the seat and evenly spaced to distribute the load. Bolt head should always be on the inside of the seat under the cover
10. SEAT BELTS must have minimum four point seat belts. (5 point highly recommended) Belt must be minimum 3 inches wide no more than 5 years old. Seat must be mounted to a seat mount bracket welded to the roll cage. Mount your seat belts to whatever you mount your seat to. Follow your seatbelt manufacturer's guidelines as to proper seat belt mounting angles etc. Do not bolt through seat belt fabric, use steel piece that comes with seat belt.
11. WINDOW NET must have a Quick Release Type Window Net. Window Net MUST release from top front with a quick release type fastener.
12. STEERING WHEEL QUICK RELEASE After market quick release steering wheel hubs are legal. Must be pin less type. Must have functional quick release steering wheel
13. Car must pass a safety inspection by the speedway and maintain throughout the season.

Technical Rules

1. The word stock as referred to in the following rules mean "As it comes from the factory in non hi-performance mass produced automobiles."
2. Top 3 finishers after the race will go immediately to tech. Fourth and Fifth place go to holding area until top three have been released from inspection.
3. All starts will be double file; cone rule may apply on restarts.
4. The first place finisher of the previous event will start no better than 6th place the next race he or she competes in regardless of the qualifying order.
5. Radios highly recommended.

Tires

1. American Racer AR782. No soaking or altering of tire in any manor allowed. Drivers soaking or altering tires will forfeit all purse and points for the event and all track points for the year. Driver must also pay a \$1,000 fine prior to being allowed to compete at Speedway. Any illegal tire, in the judgment of Speedway Officials, will be confiscated.
2. 13", 14", 15" tall 8" wide steel wheels only
3. No wheel adaptors.
4. Must have 1" lug nuts.
5. No wheel weights or air bleeders or pop-offs

Roll Cage

1. Bars must be at least .095 gauge 1 1/2" OD steel pipe
2. Bars must be welded to frame and have 4 protective bars on driver side and 3 protective bars on passenger side. No square tubing. Plating recommended
3. All cages must meet approval of track officials.

Engine

1. Stock location (engine face must line up or must be in line with center of upper ball joints) with a 1 inch tolerance. If engine is setback further than the rule states you must put 50lbs in front of the front spindles. Weight must be centered or right of center. This is not an extra 50 pounds. Engine must be centered in the frame, +/- 1".
2. **Mufflers are required.**

Ignition

1. One 12-volt battery only
2. Electronic ignition permitted. MSD type boxes permitted.
3. No electronic or mechanical traction control of any kind permitted.
4. No coil packs or crank trigger fired ignitions.
5. Must have emergency cut-off switch within drivers reach and highly visible to safety crew.

Carburetor

1. Only a Holley 2300 series 350 cfm 2bl carburetor #7448 is allowed. Must fit track gauges and air horn cannot be removed. Unaltered boosters in stock location. Butterfly screws are optional, Stock shaft and butterflies. Choke rod hole may be plugged and choke mount holes sealed with epoxy or comparable material.
2. Spacer maximum 2" including gaskets.
3. NO Cold air boxes permitted
4. No fuel injected engines

Head

1. Stock production head only. No aftermarket of any kind. No porting, polishing or grinding of any kind. Damaged heads may be resurfaced. Cylinder head boss may be cut down for short adjusters 2300. May have 3-angle valve job. No more than 75 degrees. Valve spring pocket may be cut at .0100 deep or may run long valves; stock head/valve diameter, stainless steel valves allowed. May run 2.0 head with 2.3 valves, but must carry 2.3 weight for engine.

2. Ford 2.0 and 2.3 are allowed a min. of 45 cc combustion chamber
3. No aluminum heads except stock Toyota.
4. No more than 2 valves per cylinder – unless approved by track officials.
5. Any size cam. No roller cams. May run adjustable cam gear.

Pistons

1. Any 3 ring flat top piston. Toyota may run dome pistons.

Crank

1. Stock crank for motor used, may be balanced. No grinding, polishing or lightening of any kind. NO STROKERS, Engine must be zero deck height; piston may not extend above block at TDC. (Except Toyota)
2. Min. crankshaft weight :
3. Ford 2300 cc 30.5 lb both small and large journal
4. Ford 2000 cc 27.5 lb.
5. No strokers, min engine deck height is 0.000 Piston may not extend above block at tdc except Toyota

Rods

1. Any steel rod permitted.

Clutch/Pressure Plate

1. Stock Diameter clutch and pressure plate. No aluminum parts
2. May run solid center disk or button style disc.

Intake

1. Stock or aftermarket intake allowed. On stock intake only, port matching only the head side of intake allowed.

Flywheel

1. Must be stock diameter – 12 lbs. minimum, for Toyota 14 lb min. for ford flywheel bolts included
2. All to be weighed on track scales if questioned.
3. No aluminum flywheels.

Weight

1. OEM chassis with steel body (this can be tube from center of rear axle back, with no left side penalty):
Must meet total weight requirements, no left side weight restrictions
Up to 2.0 1900 lbs.
Over 2.0 2000 lbs.
2. Stock front clip and/or Stock Chassis with aftermarket body:
Up to 2.0 2050 lbs. 56% left side
Over 2.0 2150 lbs. 56% left side
3. Full Tube Frame:
Up to 2.0 2200 lbs. 56% left side
Over 2.0 2250 lbs. 56% left side
4. All Toyota's w/OEM chassis:
Up to 1.8 L – 2000 lbs
Over 1.8 L – 2050 lbs with no left side rule
Toyotas with tube chassis:
2150 lbs 55% left side. Speedway reserves the right to amend this rule as necessary.
5. Weight determined by original engine size. Boring .040 over included in weight. I.E. 2.0 bored .040 over is still classified as a 2.0.
6. All ballast must be attached with two ½" bolts and be white with the car number on it.
7. No car over 2500 lbs will be allowed to compete in the event for safety reasons.
8. 2.5 STOCK truck engine permitted min weight 2400 lbs. (max 2550 cc)
9. All weight is before qualifying and after the race.

10. Driver must post their claimed weight at all times on the top left corner of windshield in 1.5' tall numbers. Numbers must be easily visible to track officials. White vinyl numbers preferred.
11. No fuel burn off allowance.

Body

1. Steel, aluminum or fiberglass body
2. Must have 4" ground clearance, body and frame included with driver and safety equipment, before and after the race. This excludes front air dams.
3. Full front windshield required must be 1/8" Lexan/Polycarbonate. No Plexiglas must allow 5" at top of windshield for division sponsor sticker.
4. Rear window permitted.
5. Rear body panel must cover rear of car to bumper
6. Tread width 64" measured from true center of tires at spindle height. Zero tolerance.

Spoilers

1. Maximum 6" height. May not exceed width of deck.

STOCK OEM Chassis

1. Stock OEM mini chassis is classified as Toyota Corolla, Ford Pinto, and Ford Mustang
2. Any other make is classified as Full tube frame. All chassis must be rear wheel drive and approved by Speedway before competing.
3. All components must remain stock, as produced by manufacturer and mounted in stock location unless specified. Front and rear sub frames may be connected with tubular framing. On piece per side. Location optional. May "X" frames or add cross members. May replace crash damage with tubing, maintain stock dimensions and flow.
4. Stock type sway bars or spline bars are allowed.
5. Wheelbase 93' min 108 'max.

Shocks

1. Any steel body non-adjustable shock allowed.
2. No aluminum shocks. No Schrader valve shocks.
3. NO Bump stops allowed or chassis limiters.
4. Post race shock buy out \$85 per shock. Buyer must buy all 4 shocks at time of protest. All 4 shocks must be delivered to tech official UN damaged and fully functional. Any driver that does not submit to claim rule will be Disqualified, no points, no money, also they will not be allowed to bring those shocks back at any time.

Springs

1. Any coil spring may be used except coil binding springs. (front minimum 3 1/2" rear minimum 2")
2. Wedge bolt adjusters allowed.
3. Stock main leaf for car. Number of leafs optional. May use clamps. May cut secondary leaf. Sliders permitted with wedge bolt adjusters.
4. Strut cars may use tech approved coil-over adjusters on front only.
5. May elongate slots for caster/camber adjustments

Steering

1. Steering box and components must be stock and in stock location.
2. Adjustable racks and pinions allowed.

Brakes

1. Front and rear disc brakes permitted. Aluminum aftermarket brake calipers and drums allowed.
2. Steel rotors only. No drilled rotors. Any pedal or master cylinder set up.
3. All wheels must have four working brakes.

Rear-end

1. Any stock passenger car rear-end must remain in stock location, centered in car. No offset.
2. Differential May be locked. Differential may have either welded, mini spool or stock positive traction or open rear end. No Detroit or any other center section that has not been specified. No quick change. No cambered rear-ends. No gold tracks. No aluminum spools
3. Floating axel rear end Permitted

Drive Shaft

1. Driveshaft must be Steel. NO aluminum driveshafts! No aluminum parts of any kind in the driveline.
2. Must have drive shaft loops. Driveshaft must be painted white. 2 drive shaft safety loops made of flat steel (1/4 in. x 2 in Minimum Size) will be required. Drive shaft loops should be mounted 12" in from each end of the drive shaft. This is so that the drive shaft cannot fall onto the track in case of U-joint failure and it also may help keep the drive shaft from coming through the floor board in case of driveshaft failure. ALL DRIVE SHAFTS MUST BE PAINTED WHITE. 1/8" Scatter shield surrounding driveshaft is highly recommended

Transmission

1. Any stock transmission permitted. Automatic transmission (Must have working torque convertor included.)
2. All transmissions must be stock OEM and unmodified. Must be in working condition with reverse and all forward gears.
3. 1 inch inspection hole in bell housing recommended for tech officials.

Fuel/Fuel Cell

1. Fuel cell is mandatory, 12 gallon maximum with foam, must have check valve.
2. 8" ground clearance. Recommended fuel cell height 10".
3. Must have rear protection bar minimum 1 1/4" .095 bar, 2 straps minimum 1" width surrounding the entire fuel cell. Fuel cells must be bolted. No rivets and no sheet metal screws. Must have a fuel cell guard bar made from 1 3/4" .083 min. and be 1" lower than the fuel cell container.
4. Location of fuel cells must be approved by track technical inspectors.
5. FUEL LINE Fuel line can run under car but must be higher than the lowest part of the frame and securely attached. Fuel line can be run through the car from fuel cell but must be in a 1 pc. Steel pipe and the pipe must extend a minimum of 1" out from front and rear firewall.
6. Track fuel only. No additive.
7. Fuel must go through the fuel cell to the carburetor and cannot pass through any performance enhancing/cooling devices.
8. Electric fuel pumps permitted.

WIN RULE

1. Possible Full motor tear down after 3 wins.

Abide by all general rules!!!

WEIGHT MAY BE ADDED TO ANY CAR AT ANY EVENT AND ADDED IN ANY LOCATION ON THE CAR IF DEEMED NECESSARY BY TRACK OFFICIALS.