

2024 Pro Series

***** MUFFLER System must be in place to lower DBA to 99 or less*****

NOTICE: All equipment is subject to the approval of officials. No equipment will be considered as having been approved by reason of having passed through inspection unobserved. Any equipment which does not confirm to specifications or tolerances contained in this rulebook, will not be eligible for approval.

NOTE: All cars must comply with the rules set forth by these rules to be eligible for competition. Any and all cars and car parts, are subject to PRO Series technical inspection processes. PRO Series is not required to follow any other sanctioning bodies or manufacture guidelines in its inspection processes.

All races are points races except special event races. (Memorial Race)

1. GENERAL & SAFETY

1. Fire suit and approved SA 2000 or newer helmet required. Gloves are required Fire Retardant Racing Gloves are Highly Recommended. We highly recommend all safety items be replaced every year.
2. NO antifreeze in radiator. Up to a 250.00 penalty if caught using antifreeze and immediate disqualification.
3. Must have a minimum 2 pound fire extinguisher with a gauge and a quick release mounted securely in a car within reach of driver while belted in car.
4. All cars must be painted and lettered. Minimum 20" tall numbers. No duct tape number unless instructed by management. Numbers should be contrasting in color when compared to the color of the car with a minimum 3" - 4" Stroke.
5. 2 Digit numbers are the only numbers we recognize. No two cars in the division can have the same number..
6. Aluminum Racing Seat required; belt & shoulder harness minimum 3" wide. Must have 4 bolts secured to the floor. Secure your seat belt to whatever your seat is secured to which should be the roll cage. All seat belts are highly recommended to be replaced every year.
6. Must have QUICK RELEASE TYPE window net. Window net MUST release from top.
7. Must have emergency cut-off switch. We highly recommend this to be located as close to the center of the car on the dash area.
8. Must reserve the top of your windshield for division sponsor decals. Not running the window decal will result in potential forfeit in all monies earned and exclude you from any bonus money.

2. Tires

1. No soaking, Siping, Grooving or altering of tire in any manner allowed. Drivers soaking or altering tires will forfeit all purse and points for the event and all track points for the year. Any illegal tire, in the judgment of Speedway Officials, will be confiscated. All tires will have minimum durometer reading that will be enforced.

2. 15" tall 8" wide steel wheels only
3. No wheel adaptors.
4. Must have 1" lug nuts.
5. No wheel weights / air bleeders of any type or pop offs.
6. The only tire allowed will be Towel City Retread Recap 15"x 8" (American Racer or Hooiser F70 Sidewall 26.5 / 27.0 / 27.5) Horizontal Blue Dot

3. Roll Cage

1. Roll Cage must be at least .095 gauge (minimum 1 1/2" OD steel tubing) We highly recommend 1.75" DOM .095 tubing
2. Roll Cage must be welded to frame and have 4 protective bars on driver side and 3 protective bars on passenger side. No square tubing. We highly recommend 1/8" steel plate be welded over or in between all door bars on the driver's side roll cage to keep small items from penetrating the roll cage gaps.
3. All cages must meet approval of track officials.

4. Engine

1. Stock location (engine face must line up or must be within 2.5" of the center of upper ball joints) If motor cannot be moved to tolerance, keep car weight and move 50 lbs.

5. 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.
6. All wires must be connected at all times.

7. 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 including gaskets. 3" maximum (from intake to the baseplate of the carb.)
3. No fuel injected engines
4. No Vacuum leaks

8. Head

1. Stock production head only. No aftermarket of any kind. No porting, polishing. Damaged heads may be resurfaced. May have 3-angle valvejob. Stainless steel valves allowed.
2. No aluminum heads.
3. No more than 2 valves per cylinder - unless approved by track officials.
4. Any type cam allowed. May run adjustable cam gear.
5. Must run these head gaskets: Fel-Pro 8361 -PT (2.0) and 8993 - PT (2.3)
6. Minimum of 45cc combustion chamber.
- 7.

9. Pistons

1. Any 3 ring flat top piston.

10. Crank

1. Stock crank for motor used, may be balanced. No polishing or lightening of any kind. Piston may not extend above block at TDC.
2. Min. crankshaft weight : turning of rod journals to a min of 2 inch journal size is ok.
3. Ford 2300 cc Minimum crank weight is 30.5 lb. both small and large journal
4. Ford 2000 cc Minimum crank weight is 27.5 lb.

11. Rods

1. Any steel rod permitted.

12. Clutch/Pressure Plate

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

13. Intake

1. Stock or aftermarket intake allowed. No modifications of intake allowed.

14. Weight

1. Car with 2.0 engine required to weigh 2000 pounds with driver. Left side percentage of no more than 56% with driver
2. Car with 2.3 engine required to weigh 2150 pounds with driver. Left side percentage of no more than 56% with driver
3. Car with 2.5 engine required to weigh 2300 pounds with driver. Left side percentage no more than 56% with driver
4. All ballast must be attached with two ½" bolts. All weight to be Painted White with the car number on it.
5. No car over 2500 lbs will be allowed to compete in the event for safety reasons.
6. All weight is before qualifying and after the race.
7. 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.
8. No weight / fuel burn off allowance.

15. Body

1. Steel, aluminum or fiberglass body. Minimum clearance on all body panels including nose and side skirts 4".
2. Maximum quarter panel height is 35" to bottom of spoiler/top of quarter panel at the rear.
3. Must have 5" ground clearance, frame included with driver and safety equipment, before and after the race. This excludes front air dams and skirts.
4. Full front windshield required must be 1/8" Lexan/Polycarbonate. No Plexiglas must allow 5" at top of windshield for division sponsor sticker.
5. Rear window permitted.
6. Tread width 66" measured from true center of tires at spindle height. Zero tolerance. Must be a stock appearing Truck or car body per manufacturers specs... If a body is not specifically designed by aftermarket, nationally known company it must be approved by Tech..

Any homemade body must be approved by the track tech..

16. Spoilers

1. Maximum 6" height. May not exceed width of 60 inches. Any angle of spoiler is allowed.

17. Chassis

1. Stock OEM mini chassis is classified as 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. Stock type sway bars or spline bars are allowed.
4. Wheelbase 96' min 108 'max.
5. Fabricated chassis/frame highly recommended to be manufactured from a minimum 2x2 .095 Square tube. Round Tube chassis must be presented to tech and approved before you assemble the car. We do not recommend round tube cars but they may be allowed depending upon the construction and quality of construction.
6. After market spindles are allowed
7. No Round tube chassis/frame
8. Minimum chassis/frame height will be 5" at all times with driver, radios & safety apparel in place.

18. Shocks

1. Any steel body non-adjustable shock allowed.
2. NO Bump stops allowed or chassis limiters.

19. Springs

1. Any coil spring may be used except coil binding springs.
2. Wedge bolt adjusters allowed.
3. Stock main leaf for car. Number of leaf springs is optional. May use clamps. May cut secondary leaf. Sliders permitted with wedge bolt.
4. May have elongated slots for caster/camber adjustments

20. Brakes

1. Front and rear disc brakes permitted. Aluminum aftermarket brake calipers and drums. Single piston calipers are the approved calipers. Multiple piston caliper may be required to add additional weight
2. Steel rotors only. No drilled rotors. Any pedal or master cylinder set up.
3. All wheels must have four working brakes.

21. Rear-end

1. Differential must be locked. Differential may have either welded or mini spool or full spool. No Detroit or any other center section that has not been specified.
2. Floating axle rear end Permitted
3. Quick Change permitted with mini spool or locked (REAR END ONLY)
A gear rule may be imposed on any vehicle with a quick change rear end

22. Drive Shaft

1. Driveshaft must be Steel. NO aluminum driveshafts! No aluminum parts of any kind in the driveline or differential.
2. Must have drive shaft loops. Driveshaft must be painted white. Minimum of I

drive shaft safety loop made of flat steel (1/4 in. x 2 in Minimum Size) will be required. 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.

23. Transmission

1. Any stock transmission permitted.
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.

24. Fuel/Fuel Cell

1. Fuel cells are required, must have roll over / check valve.
- 2.
3. **Fuel Cell protection loop** required behind fuel cell. Minimum 1.250" .083 bar welded from the rear frame cross tube. (Highly recommend 1.75 tubing and that the loop extend a minimum of 1" below the fuel cell. 6" minimum ground clearance. Recommended fuel cell height 10".

4. **Fuel Steel Containers.** Fuel cell must be in a steel container (Highly recommend a welded 18 gage container) with a minimum 1" flange on top of the can which the Fuel cell container will fit within a square tubing frame to be built centered within the frame rails from a minimum of 1" square tubing. (.083 wall tubing highly recommended)

5. **Fuel cells / bladder.** We highly recommend to be a flexible type fuel cell bladder however plastic fuel cells are legal.
6. **Straps** around the steel fuel cell can. Minimum 2- 1" x 1" tubing or Steel straps 1/8" x 1" wide to surrounding the entire fuel cell. Fuel cells must be bolted in place with a minimum of 10 bolts. **No rivets and no sheet metal screws.**
7. **Fuel Cell Bar** Must have a fuel cell guard bar made from 1.5" .083 min. wall and should be 1" lower than the fuel cell container.
8. **1/8" Metal plate** highly recommend to be mounted between the Fuel cell and rear end. The metal plate should be the same size as the front of the fuel cell covering the full width and height of the fuel cell can.
9. **Fuel cells** should be mounted in the center of the chassis. Any deviation from this must be approved by track technical inspectors.

FUEL LINE Fuel line can run under car but must be higher than the lowest part of the frame and securely attached and a minimum of 6" away from any exhaust. 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.

110 Racing Fuel Only. No Alcohol or Methanol

No Oxygen enhancing Fuel additives

2nd Offense will result in suspension for the remainder of the season.

Fuel must go through the fuel cell to the carburetor and cannot pass through performance enhancing/cooling devices.

10. Electric fuel pumps permitted **Inline fuel filters permitted.**

25. MUFFLERS

1. Mufflers systems are required and must be fully functional. Muffler systems will be required at all race events, including Track Rental, Open Practice and Race Day. NO EXCEPTIONS.
2. May raise or remove section of floor pan on right side of car for clearance to install large style mufflers (ex. Brezenski / Howe). Must box or replace floor pan with 22 gauge steel sheet metal only.

TEAR DOWN:

- Refer to General Rules
- Veteran Motorplex, General Rules and Flag rules apply to this division.