

MERRITT SPEEDWAY 4-CYLINDER RULES

Westhold Transponder and Raceceiver required in this division

Any car, team, and/or driver that does not meet these specifications and/or equipment requirements will be subject to penalties as determined by the Merritt Speedway promoter and/or track officials.

Any 4-cylinder vehicle as supplied by American manufacturer or Foreign vehicle sold in the USA except the following:

- No vans
- No convertibles
- No turbo or super charged engines
- No multi-carburetors
- No rotary engines
- No cogsworth engines
- Front or Rear wheel drive allowed

1. Appearance

The car must be neat in appearance and must display the can number on the front nose. The minimum height for the number will be 6". The car must have legible numbers on each side and on the roof, a minimum of 18" high.

2. Body

Steel body mandatory. May have aftermarket body but must remain stock appearing. Steel firewall and floor pan mandatory. Hoods and truck lids must be secured with hood pins. No enclosing of the driver cockpit from the passenger side door. There is a 4" min ground clearance height for the frame and body. No wings of any type, no cowcatchers. 2" spoiler maximum allowed. No side windows or air deflectors allowed. Driver must be able to exit both sides of the car with helmet on. Front and rear bumpers must not stick past the body lines.

3. Battery

Battery must be in approved box. Only one per car. Battery may not be in the driver's area.

4. Brakes

Aftermarket pedal and dual master cylinder will not be permitted. All cars must be equipped with a stock working brake system on all four wheels. Only stock o.e.m. steel style rotors will be permitted. Carbon fiber and/or aluminum rotors will not be permitted. No drilling, lightening, or any alterations to rotors or calipers. All 4 brakes must work, no shut offs, adjusters or emergency brakes allowed.

5. Carburetor & Fuel Injection

Factory stock fuel injection or stock 2-barrel carburetor only. Holly #4412 2-barrel carburetor will be allowed. Absolutely no alterations or modifications to carburetor, except for removal of choke plate and adjustment of jets only. No transverse mount carburetors allowed. Carb must be mounted in a conventional manner. No turbo chargers, super chargers or nos.

6. Chassis & Frame

The minimum frame and body height from the ground is 4". No alterations to frame or frame motor mounts. Strengthening of original frame is ok. Can tie front and rear frames together. Mandatory manufactured bumpers. No fabricated bumpers allowed. No bars above or below bumper, front or rear. No box, channel, or angle behind bumper.

7. Contingency

To receive any contingency sponsorship awards, team must meet the requirements of the award such as decals, patches, product use, or product verifications.

8. Electronic Devices & Traction Control

No traction control devices will be allowed. No radios or devices transmitting voice or data will be allowed except the Raceceiver radio.

9. Engine

Stock appearing motor only. Aftermarket tube style air cleaners allowed. If running a variable cam timing or VCT engine the VCT must be unhooked. Maximum of 4 cylinders allowed and must not exceed 2500 cc and must be stock. Make of car must match make of motor. No modifications to the motor to fit stock mount in stock position. Modifications to the intake including porting, polishing, shaving or grinding will not be permitted.

10. Exhaust & Mufflers

Stock manifold or headers will be permitted. Mufflers are mandatory. The exhaust flow must be parallel to the ground. Exhaust systems that direct the flow toward the ground will not be permitted. Max size of exhaust is 2" and must exit behind driver. A maximum sound level of 95 decibels at 100 ft. will be allowed.

11. Fuel & Fuel Cells

The use of a fuel cell is highly recommended!!! If you are using an electric fuel pump it must have a clearly marked shut off valve. Aluminum fuel cell containers will not be permitted. The use of methanol will not be permitted. All fuel cells must have check valve in breather and filler check valve.

12. Interior & Driver Compartment

All glass, head lamps, tail lamps, and side lights must be removed. All interior carpets, head liners, and extra seats must be removed. All holes in firewall and floor pan must be covered with metal. A master ignition switch within easy reach of the driver is mandatory. The switch must be labeled "on" and "off". No adjustments to the car may be made from the compartment. The drivers

compartment must be sealed from the engine, fuel cell, and race track. The rear bubble of the hood should be closed and sealed from the driver. All cars must have an approved cage including right side door bars.

13. Personal Protection Equipment

- General

It is the sole responsibility of each competitor for the effectiveness and proper installation, per the manufacturer's specifications to be adequate for competition at every event. Each competitor is expected to investigate and educate themselves for continuing improvement regarding their own personal safety equipment.

- Seat Belt/Restraint System

Each car must be equipped with a 5-point racing harness. The harness should be within the expiration date of the belts, usually 3 years. Belts shall be installed in accordance with the directions and applications of the supplier or manufacturer. Seat belt webbing that comes into contact with any sharp or non-radius metal edge should be protected from that edge by means of push on grip vinyl trim. Seat manufacturers supply the seat with trim protecting the webbing from abrasion or cutting under impact conditions and should be used to their specifications. It is the responsibility of the driver, not the officials or the promoter to ensure that his/her belts and all components are SFI approved, correctly installed, maintained, and properly used. The use of a window net is mandatory.

- Protective clothing

Each driver must wear a fire-resistant uniform meeting the SFI 3.2A/5 specification and display a valid 3.2A/5 label. Each driver should also wear fire resistant accessories that effectively cover the remaining parts of the body. Shoes and gloves should meet the SFI 3.3 specification and display a valid SFI.3 label.

- Seat

An aluminum seat built specifically for competition in auto-racing event will be required. High-back aluminum (stock-car style) seats should be securely mounted to the frame as recommended/required by seat manufacturer and chassis manufacturer. Head rest (behind the head) should include padding. All areas surrounding the head should have padding. A right head net or support is required. Head nets must be equipped with quick release mechanisms.

- Helmets

A driver should wear a full-face helmet. The driver should wear the helmet in accordance with the directions provided by the helmet manufacturer and/or supplier. If a head and neck restraint system is connected, it should conform to the manufacturer's mounting instructions. Head and neck restraints are strongly recommended.

- Other

No sharp or protruding edges in or around the cockpit. Windshield screens with a minimum of .090 inch screens must be securely fastened. There must be 3 Windshield bars in front of the driver. An electrical engine shut off switch is required. The switch must be clearly labeled and within the reach of the driver. A fuel shut off valve is required. The valve must be clearly labeled and within reach of the driver. Flame retardant seat, roll bar, knee and steering pads or padding are recommended.

14. Roll Cage

All cars must have a minimum of a 4-point roll cage. The roll cage must be approved prior to competition and it must be welded to the frame. The drivers head must be at least 1" below the top of the roll cage with helmet on. Dash bar is highly recommended as well as a center halo bar is highly recommended. The driver and right side door bars must be parallel to the ground and located perpendicular to the driver. There must be right side door bars. No bars outside of the body. 3 door bars minimum on the driver's door. 18"x24"x1/8" plate in the driver's door mandatory. 1"x1" square tube for rub rails allowed. Ends must be cut on angle and capped.

15. Roof

The roof must be made of stock steel. Wings, roof spoilers or ground effects of any kind will not be permitted. Dished roofs will not be permitted. Any sun shield must be on hinge for easy exiting. The window opening must remain at a minimum of 12" inches. The roof should be single thickness of material. The roll bar hoops must be exposed for inspection.

16. Suspension

Stock suspension for make, year and model of the car. Cutting of suspension is allowed. No outboard shocks or tower shocks. Springs may be heated. Lowering blocks are okay, stock shocks only. No overload or adjustable shocks allowed. All springs must be tethered to the car. NO ADJUSTABLE SUSPENSION ALLOWED.

17. Transmission & Drive Line

All competitors are encouraged to perform systematic checks on their drive-train. Stock transmission for that make and model car. All cars must have forward and working reverse gears and be able to shift to forward or reverse with engine running. Stock flywheel and clutch is mandatory. Drive shafts must be painted white and have a loop also painted white.

18. Weight

The minimum weight of the car including the driver must be 2,100 lbs. All added weight(s) must be painted white and have the car number clearly labeled on each weight. All added weight(s) must be securely mounted to the car with a minimum of (2) ½" inch bolts that pass completely through each weight and the car. Weights that are mounted on the rear bumper or outside the body of the car will not be permitted. All added weight must be mounted below all windows and the interior of sheet metal. Any car that loses any weight(s) during any event may be fined up to \$500.00. All weight determinations will be measured on the track scales.

19. Wheels & Tires

DOT APPROVED street tires with 8" tread maximum. Only D.O.T APPROVED Hoosiers, American Racers, etc. will be permitted. Approved passenger car tires only. No low profile, trick or exotic tires. Wheel weights allowed on the inside of wheel only and must be securely fastened, taped and glued. Race wheels on the right side of the car are mandatory. Large racing lug nuts on all wheels. Maximum 8"-inch-wide steel wheels. Shaving, grooving, surface drilling, sipping grinding and needling will be permitted. Tire changes will not be permitted once a car has been presented to the starting grid/lineup area for any race. Any cars making a change will forfeit their assigned starting position for that particular race and start from the rear of the field. Chemical alterations, vulcanizing, tire softening, defacing and/or altering the face of the tire lettering and/or tire stamping will not be permitted. Chemicals or tire softening is not permitted at any time. Tires may be inspected at any time. Any violations with any tire presented for competition may result in an immediate disqualification from the events and/or other penalties including but not limited to: loss of money, fines, loss of points and/or suspension. Mud plugs and Bead Locks will not be permitted. All wheels must be conventional one piece magnetic steel and must be mounted with large lug nuts. Aluminum, plastic and/or carbon fiber wheels will not be permitted. All wheels must be fastened to the hub with 4-5 steel lug nuts. If there is a special event, the promoter reserves the right to make changes to this tire rule. The tire rule for event may be amended in written form to all competitors per any technical bulletin.

20. Wrecker Hooks

Wrecker hooks are mandatory on both the front and rear of the car.