

## Sunset Speedway 2016 Pure Stock Rules

### **If it doesn't say you can, then you can't.**

1. **BODY:** Any 1960 and newer American made rear wheel drive passenger car allowed. NO front wheel drive, No convertibles, pickups, station wagons, or sports models permitted. Appearance must be completely stock and unaltered. Stock bumper mandatory and may be welded directly to the frame. Bumper must be strapped to fender or modified to prevent hooking. Hoods must be run at all times unless damaged. Hoods must be securely mounted by chain or bolts. Welded trunk lids will have a ½" inspection hole in the center. All breakable plastic, glass and chrome trim must be removed from body. All flammable material inside car must be removed. Stock firewall and full floorboard required inside of body. Driver's area will be complete and have sealed firewalls between engine and trunk area. Doors must be securely fastened shut. All glass must be removed except for front windshield, and that must be strapped into place. Metal screen of ¼" mesh or larger allowed and must cover entire windshield area. Side rails on body permitted with 1 ¼" OD maximum diameter and must be within 1 ½" of body panel, must be capped on both ends. Front and rear tow hooks or chain loops required. No rear or side view mirrors permitted. All cars must weigh a minimum of **3500 lbs** with drivers at all times.
2. **FRAMES: AMERICAN MADE STOCK STEEL FRAME ONLY:** Must be totally stock unaltered OEM frame for body used. Only bracing allowed will be from roll cage area to frame and radiator protection at front of frame, inside body.
3. **WHEELS:** Steel wheels ONLY. No aluminum or plastic wheels allowed. Reinforced or racing wheels mandatory for the right front.
4. **TIRES:** Any series DOT unaltered passenger car treaded passenger car tire allowed. Max size P235 75 15, NO mud grip, heavy lug tread pattern. Maximum tire tread width will be no more than 8" wide. NO Hoosier, Goodyear or Recap racing tires allowed. No grooving, siping or softening of tires.
5. **SUSPENSION: All suspension components front and rear must be stock steel OEM and located in stock location, for that make and model.** Adjustable shackles and heavy duty OEM rear coil springs are permitted. No aluminum components. Steering box must mount in stock location. Minimum 5/8" wheel studs.
6. **REAR END:** No interchanging of rear axle housings allowed. Must be mounted in stock location. Rear end may be locked. No quick changes allowed.
7. **DRIVELINE:** Drive shaft must be painted white. Drivelines must be strapped or chained at both ends.
8. **BRAKES:** OEM brake components ONLY. Brakes must be on all four (4) wheels and be able to stop all four wheels.
9. **TRANSMISSIONS:** Stock OEM transmission for model being used.
10. **FUEL:** Pump or racing gas only, NO methanol, nitrous, nitro methane permitted. No electric fuel pumps. All fuel lines in driver's compartment must be fully enclosed in steel.
11. **ENGINE:** Engine will remain externally stock with NO modifications. Only cast iron intakes (2 or 4 barrel intakes ok) **2 barrel carb, cast iron intake (2 bbl or 4 bbl with Mr Gasket part number 1933 the only**

**approved adapter; available at Baxter Auto Parts for \$20)** cast iron exhaust and cast iron manifold allowed. Only a 2 barrel carburetor with the Holley 412 strongly recommended. **All cars must run mufflers at all times and not exceed 95 dba's @ 100 feet.** Exhaust must exit behind driver.

12. **GENERAL SAFETY:** For all safety devices it is the responsibility of the driver, not Sunset Speedway, its officers, or its agents to ensure his/her safety device systems are correctly installed, maintained, and properly used at all times. As with safety items, Sunset Speedway strongly recommends that the driver fully study all manufacture's installation and usage guidelines and adhere to these recommendations to the highest extent possible.
13. **ROLL CAGE:** Cars must be equipped with a full four point or better roll cage. Roll cage material must be a minimum of 1-1/2-inch to 1-3/4-inch maximum roll bar tubing of .090 wall thickness or 1.66 OD Black steel pipe of .120 wall thickness. All welds on main cage must be gusted. Main cage must be welded directly to the frame in a full frame vehicles or be welded to a 6-inch by 6-inch by 1/4-inch steel plate that is welded to the floor pan. All roll cages must be full perimeter cages. Main roll cage hoop cannot be any further back than the striker plate, no offset roll cages allowed. No straight rail frame cars allowed. No offset cages allowed. Cage must have minimum of four door bars on drivers and passenger sides, door bars must follow contour of door. It is highly recommended that the door bars be plated with 1/8" steel or aluminum on the outside of the door bars covering 2/3's of the door. One dash bar across the front of the roll cage, two vertical door support bars on each door, two horizontal bars behind the seat, one diagonal bar behind the seat from the top corner of the cage to the opposite bottom of the cage and two bars from the top of the main hoop down to the rear frame or trunk floor. Front hoop allowed.
14. **FUEL CELL AND FUEL LINE:** Fuel cell shall be securely mounted behind rear axle in the trunk area as far forward as possible. Fuel cell must be a minimum of 10-inches off the ground at all times. A steel framework, welded to the frame rails, must be used to mount the fuel cell. The frame work must be fabricated from a minimum of 1"x 1" .083 square tubing. Two straps longwise and two straps crosswise across the top of the fuel cell. The material for these straps must be a minimum 1"x 1" .083 square tubing or 1-1/2" x 1/8" steel strapping. Fuel cells must be bolted to the framework. A fuel cell protector bar made from a minimum of 1-1/4" x .090 steel tubing is required. The fuel cell protector bar must attach to the frame rails and extend down below the fuel cell with a center bar that attaches to the rear frame cross member. Fuel lines must be enclosed in a protected conduit (steel tubing), if run through the drivers compartment. No electric fuel pumps allowed. Only OEM type mechanically driven fuel pump allowed. Fuel pump must mount in stock location. 10. Glass fuel filters are not permitted. **ANY FUEL LINES INSIDE THE DRIVER COMPARTMENT MUST BE PAINTED RED.**
15. **FIRE CONTROL:** Any car not equipped with a built-in fire suppression system must have a fully charged fire extinguisher, a Halon, or equivalent at least 10-BC UL rating, with an operating pressure gauge, mounted to the right side of the driver's seat, and readily accessible for use. All entrants should have a fully charged 10-lb Halon 1211, Haltron-1 or equivalent fully charges fire extinguisher in their pit area.
16. **FIRE SUITS:** A flame/fire resistant suit designed for auto racing will be REQUIRED at all times car is on the track. A 1 or 2 piece flame/fire resistant suit will be accepted. **HIGHLY RECOMMENDED:** Fire resistant gloves, shoes, socks, head sock and underwear. It is recommended that that the driver's suit be the best quality fire protection available
17. **HELMETS, HEAD & NECK RESTRAINTS:** Rules apply at all times car is on track. Snell-rated **SA2005, SA2010** or **SA2015** Helmet required. **(M rated helmets are not permitted)** **HIGHLY RECOMMENDED:** SFI approved

helmet skirt, neck and head restraint system.

18. **SEAT BELTS:** Minimum 3 inch wide, SFI-approved five point safety belt system. Center crotch belt must be used and must be mounted to the roll cage seat mount. All belts must be mounted securely to main roll cage. Must be complete matching set from manufacturer. Safety belts must be replaced every 5 years and all belts be dated by the manufacturer. **HIGHLY RECOMMENDED:** to replace every 2 years.
19. **SEATS:** A professional racing seat is required. Approved seat must be made of aluminum and manufactured specifically for auto racing. Seat must be mounted with a minimum of 3/8-inch grade 5 bolts. Two bolts must be located at the front of the seat and two on bottom rear. It is recommended that the seat also offer rib protection and have leg extensions. Headrests recommended on both sides.  
No fiberglass, plastic, or homemade seats permitted.
20. **WINDOW NET:** A window net is mandatory, rib style or mesh is allowed. The net must be permanently mounted at the bottom and have an approved quick release at the top. Window net must be within five years of manufactures date. Window net must have manufactures date and tag or it will not be permitted.
21. **APPEARANCE & NUMBERS:** All cars must be bright in an appearance with contrasting numbers. Numbers must be least 24 inches high and 3 inches wide and be legible from sides of car and roof. Roof numbers to be read form the passenger side of the car. Numbers will only be issued by Sunset Speedway. Call the office to confirm your number. There will be no duplicate numbers, any driver competing in the previous season will have until the first race to reserve their number before it will go back into the system.
22. **RADIOS:** No radio communication equipment permitted.

**EIRI:** Except in rare instances) Decisions of Sunset Speedway Officials are final and binding without exception.

***Any part or equipment found during an inspection or any other time that does not meet applicable Sunset Speedway standards must be surrendered to SUNSET SPEEDWAY Tech Officials at that time, and will not be returned. Failing to not give up the part or parts will result in a fine, and/or loss of points and/or suspension.***

***Sunset Speedway Officials reserve the right to make final decisions in the interpretation of any rules or race procedures at any time. No equipment will be considered as having been approved by reason of passing through inspection, SUNSET SPEEDWAY Officials recommend that you carefully study the Sunset Speedway rulebook in order to be familiar with all aspects of racing. If you are considering apart, modification or procedure not covered in these rules, contact Sunset Speedway Tech Official before proceeding with any purchases or modifications. If you have any questions regarding the rules set forth, contact the Sunset Speedway Tech Official.***

***In keeping with Sunset Speedway's commitment to maintaining proper balance in the competition arena, it may be necessary for Sunset Speedway to make rule changes and/or rule modifications from time to time. Such changes are designed to enhance close competition. Sunset Speedway's goal of a full starting field of various makes in each race, that are equally matched as possible is certainly in the best overall interest of the sport.***