

Warrior/Show Room Stock Rules 2019

Personal Protection Equipment

It is the sole responsibility of each competitor for the effectiveness and proper installation, per the manufacturers 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.

RACECEIVERS MANDATORY: TRANSPONDERS MANDATORY: IT IS THE DRIVERS RESPONSIBILITY TO HAVE THEM IN WORKING ORDER TO RACE AT THUNDERBIRD RACEWAY.

Seat Belt/Restraint System

1. It is recommended that each car be equipped with an SFI 16.5 or SFI 16.1 approved seat belt restraint system until the date of the belt expiration (usually two years). Seat belt restraint systems shall be installed in accordance with the directions and application of the system supplier or manufacturer.
2. Seat belt webbing that comes into contact with any sharp or un-radiused 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.
3. It is the responsibility of the driver, not the officials or the promoter to ensure that his/her seat belt restraint system and all components are SFI approved, correctly installed, maintained and properly

Protective Clothing

1. Each driver should wear a fire resistant uniform meeting the SFI 3.2A/5 specification and display a valid SFI 3.2A/5 label.
2. 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 specifications and display a valid SFI 3.3 lab
3. Driver must wear approved SA 2000 or newer racing helmet, SFI fire suit, unaltered neck restraint and Nomex gloves

Safety Equipment

1. ROLL CAGE –**MUST BE SECURELY WELDED TO CHASSIS.** Four point cage REQUIRED. Minimum 1.5" O.D. Tubing minimum wall thickness (.095). Loop behind driver. Two horizontal bars minimum on passenger side. Three drivers door bars minimum. 18" x 24" x 1/8" plate in driver's door. 1" x 1" square tube OK for rub rails. Ends must be angled and capped. Roll cage must be above driver's head.

Optional: One bar from strut tower forward on each side. One cross bar ahead of the radiator. 1 ½ tubing max. Support bars to front strut towers permitted.

Optional: Support bars from the rear roll cage to the rear of the car are permitted.

CAR CONSTRUCTION

1. All added weight must be painted white with car number. (2) 1/2" bolts bolted through the frame and tubing or ballast clamps (2). **No weight may be added forward of the driver's seat.**
- 2.. Fire extinguisher (with gauge) in reach of the driver, mounted for easy removal. Duct tape or zip ties are not approved mounting devices.
- 3.. Fuel cell. Highly recommended! If original tank is factory located completely in front of the rear axle, it can remain in its position. Stock tanks must be removed if behind rear axle extra straps on a stock tank are recommended. **If you are using the original tank with electric pump in the tank, it must have a clearly marked shut - off in reach of the driver.** External fuel pump with fuel cell OK.
4. **Skid plate under the gas tank is MANDATORY!**
5. Stock firewall between engine and driver and fuel tank. Just covering the tank is not allowed
6. Protective screen or windshield with three bars.
7. Mandatory: Racing seat belts. 3" five point harness with crotch strap. Must be securely fastened to cage. Belts should not be over three years old

Cars

1. Any front wheel drive 4 cylinder vehicle as supplied by an American manufacturer or foreign vehicle as sold in the USA. No sports cars. No vans or pickups. No turbos or rotary engines- no plastic fenders after the 2019 season (Saturn cars).
2. All glass, headlamps, tail lamps and side lights must be removed. All interior carpets, headliners and extra seats must be removed. Steering column may be moved to side. Racing shaft and steering wheel is OK.
3. Grilles may be removed and replaced with sheet metal between the hood and bumper. Gravel shields and radiator supports may be removed.
4. Stock suspension for make, year and body style of the car. Springs may be heated. Stock struts only. No overloading shocks or adjustable shocks. Wheelbase must be stock/original dimension (1/2" tolerance to allow for caster variation). **No visible rear steer!** All rubber boots will be removed from struts for ease of inspection. No spring spacers or bump stops.
5. Manufactured bumpers only. A round bar behind rear bumper only. Max 2". No fabricated bumpers. No box, channel or angle iron behind bumpers. Radiator protector bar/loop OK. Wrecker hooks, chains or cable mandatory!
6. Doors and trunk must be welded, wired, chained or banded shut. No double plating, reinforcing, excessive welding or added braces to the frame.
7. D.O.T. approved street tires with 8" maximum tread. No shaving of shoulder to meet the 8" width. Grooving is OK. Same size tires on same axle (NO STAGGER).
8. Wheels up to 16" permitted. May not be mixed for stagger. **Race wheels on right side only.** Max. 3" offset **No wheel spacers.**
9. All interior sheet metal must stay stock. You may only make room for roll bar. Burnable material must be removed (carpet, door panels, headliner, etc).
10. No alterations to frame or frame motor mounts. No removing of floor pan. Front clip must remain stock. If damaged beyond repair, it must be replaced with stock clip.
11. All cars must be painted with numbers on both doors and the roof with the driver's name. Numbers must be a minimum of 16" high with contrasting colors.
12. Suspension must remain stock and unaltered. Period! **3" of camber allowed of the right front. 1" allowed on the other three wheels. This will be measured with a 24" carpenter's square. Tire pressures: 32lbs on the right side and 20 lbs on the left side.**
13. Damage sheet metal must be replaced with stock sheet metal including wheel housing trunk, floors, etc. when removed. All exterior body panels are mandatory and mounted in original position. No hand made panels. No plastic body panels after 2019.
14. All cars must maintain a satisfactory appearance throughout the racing season. Please no crashed junk.
15. Minimum weight after race is 2400 LBS. for single cam motors – 2600 LBS. for dual cam motors.

Engines and Transmissions

Any engine with VTEC/ Cam enhancement technology with NOT be allowed in the Warrior class. Period!

Max factory horsepower rating allowed for any car: 160hp

1. Maximum of 4 cylinders not to exceed 2500 cc, engine must be available from the manufacturer in the make and model of the car being raced.
2. Stock exhaust or stock Tubular manifold only. Exhaust must exit past driver's seat and must not point down. **.95 decibel maximum. No exhaust pipe over 2". Stock muffler or glass pack muffler, No made for racing mufflers.**
3. Stock intake. No modifications allowed.
4. Advance in distributor may be locked.
5. One stock carburetor only. No 4412 carbs.
6. All parts must remain stock as supplied by the manufacturer.
7. No interchanging parts from 6 or 8 cylinder to 4 cylinders.
8. Dual Cam motors are subject to air restrictor to keep all cars competitive.
9. No interchanging parts of one manufacturer to another.
10. Stick or automatic allowed for make of car only. **NO LOCKED OR LIMITED SLIP DIFFERENTIALS EVEN IF OEM**

EQUIPMENT

11. Stock flywheel as supplied by manufacturer only. **No aluminum/lightweight flywheels or clutches.**
12. One battery per car in approved steel box.

Claim Rule

For this class to remain affordable and competitive we have a claim rule
Track may claim any car for \$1000.00 cash

NOTE: Warrior cars may not be used in other classes during the same event.

NOTE: Remember, this is a low budget/entry level class. We intend to keep it that way. Weight penalties may be added to keep the competition as equal as possible.

NOTE: Will use restrictors to equalize the competition. Thunderbird Raceway reserves the right to place restrictors in any or all cars to even the competition, or add weight in 100 lb. increments to equalize the competition

NOTE: WRECKER HOOKS MANDATORY FRONT AND REAR! Both must be accessible. If no wrecker hooks are on the car, the car will be pushed, towed or dragged to the infield until after the racing program is completed.

NEITHER THE WRECKER CREW NOR RACE TRACK WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE CAR.

If you have any questions, please contact Tom Sprague at 231-206-1566. Evenings or weekends.