

CYBER STOCK RULES

2019

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

This division will be competitive. Thunderbird Raceway officials reserve the right to add weight to any location, in 100 lb. increments. Install air restrictors on the engine, or impose a handicap at any time should any single car or driver dominate.

1. All rubber boots will be removed from your struts for ease of inspection.
2. No computers (Laptops, smart phones, tablets, etc) will be permitted in the car during on track competition.

Cars

1. All cars will be a 4 or 6 cylinder, front wheel drive car, with a manual or automatic transmission.
2. Convertibles, 2 seat coupes, super or turbo charged cars will NOT be permitted.
3. Cars with four wheel steering will not be permitted.
4. These vehicles will remain stock, in their original form and shape. No alterations will be made to your cars, unless it is stated that you may do so.

Safety Requirements

Driver

1. Safety rules will be strongly enforced in this class. You will be required to have a full fire suit, a minimum full face Snell SA2000 or above approved helmet (DOT Helmets will not be permitted because of the lack of fire protection).
2. 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" x1/8 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 bat from strut tower on each side. One cross bar ahead of the radiator.
1 ½ tubing max.

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

Car

1. Front Hoops may be added for safety as well as keeping the car from bending so easy. 1 ¾" round tubing maximum (no heavy square tubing or channel). You may build your radiator support rather than using the stock core supports. Stock bumpers & all front OEM sheet metal are still required.
2. **Three vertical driver protection bars are required in the windshield ahead of the driver.**

Gas Tanks & Batteries

1. If the stock gas tank is located ahead of the rear axle, it may remain in place as is (Skid plate is REQUIRED). Double check the gas lines and the tank straps, replace them if they are worn. All stock tanks located behind the rear end must be removed and relocated to the trunk area or replaced with an 8 gallon (or smaller) fuel cell and place it in the forward area of your trunk. These tanks must have a metal frame to hold the tanks in place, and must be strapped in place securely. **All fuel pumps are required to have a Kill Switch for the fuel pump shut off, located in plain sight, in the window opening next to the driver.**
2. All batteries that are mounted inside the driver's compartment must be completely enclosed in a marine-type box with a lid, and mounted securely.

Complete Stock Bodies

Doors, fenders, trunks, roof, may be skinned, but must remain stock, full, and intact. The main core of the body must remain intact between all strut towers for strength. OEM body panels only.

Steering & Suspension

1. All steering and suspension will remain stock with no modifications front to rear & side to side. You will be allowed to adjust camber on all four corners. Wheelbase may be adjusted. Minimum wheel base on either side may not be less than 92".
2. You may have a quick release steering wheel for safety, but will have the complete stock steering assembly.
3. Struts may be taken off for inspection at any time during that day's event.
4. Heim joint suspension components will not be permitted. All suspension components must utilize stock bushings and mounts.
5. Coil overs and adjustable struts will be permitted.
6. No made for racing shocks. One shock per wheel.
7. Spring rubbers and bump stops will be permitted.

Engines & Exhaust

4 Cyl. or V6 engines only. No turbo or superchargers. If you choose to run a V6, it must be a model from the approved list. We feel this will provide competitive models without spending a lot of money.

1. Stock type electronics only. No MSD boxes. No traction control.
2. Engines and transmissions are to remain stock. **NOTE:** V6 cars may use automatic transmissions ONLY. Variable cam timing engines will not be permitted.

***Note:** Common manufacturer variable cam engines include Honda VTEC, Ford Zetec, Toyota VVT-i & VVTL-i, GM Ecotec, and Mitsubishi MIVEC. Cars with these engines are **NOT** permitted. This is not a complete list and is ultimately the responsibility of the driver to make sure their car does not utilize variable cam engines. If you have a question about the legality of your car please contact the speedway and we will be happy to help you research your car.

3. If necessary in the interest of competition Thunderbird Raceway reserves the right to add weight to equalize completion. Stock Engine Control Module (ECM) only for all makes and models. Stand alone Engine Control Unit's (ECU) will not be permitted. Thunderbird Raceway reserves the right to inspect any ECM at any time.
4. A stock style exhaust system complete with a working muffler will be mandatory. 2" maximum OD size – catalytic converter not needed. No exhaust leaks or opening up of the mufflers allowed. No racing mufflers. Stock or glass pack mufflers only .95 decibels maximum as measured by Thunderbird Raceway official

Wheels

Stock wheels for that make & model of car are fine. Racing wheels ok. Racing wheel on RF mandatory. 7" wide steel safety wheels are permitted. Maximum tread width is 74". Oversized 1" lug nuts are highly recommended. All wheel weights must be removed from both the inside & outside of all wheels.

Tires

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).

Weight

1. 4 cylinder cars will weigh a minimum of 2400 lbs race ready including the driver. V6 cars will weigh 2400 lbs. with driver after the race.
2. All lead will be painted white and will be secured with 1/2" bolts & flat washers.
3. All lead mounting will be subject to the tech official's discretion.

Towing Hookups

All cars are required to have a cable or chain to hook up to on the front and rear of the car in the event of needing to tow your car off the track. The track and/or wrecker crew is not responsible for damage to race cars.

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

Approved V6 Models

GM

Lesabre	}	(3800- No supercharged No Aurora, or Cadillac's) 3.5 ok	
Park Ave			
Olds 88			
Olds 98			
Bonneville			
Riviera			
Toronado			
Impala			
Monte Carlo	}	3100	
Lumina			
Century			3400
Regal			3500
Grand Prix			3800

No Supercharged or 3.4 DOHC Engines

Cutlass
Grand Am
Achieva
Skylark
Cavalier
Sunbird
Beretta
Corsica
Ciera
Celbrity
6000
Century
Malibu
2.8-3.1-3100-3400-3500-3800-v6 Engine

CHRYSLER

Intrepid	}	93-97
LHS		
Concord	}	98-05
Vision		
		2.7 -3.2 - 3.5
Acclaim		
Spirit		2.5 2.7
Shadow		3.0
Sundance		
Cirrus		
Stratus		
Breeze		
Lebaron		
Sebring		
Daytona		

FORD

Taurus	}	3.0
Sable		
Continental		
		No SHO or DOHC
Contour	}	2.5
Mystique		
Cougar		