

2008 Sprint Rules and Specifications

IF IT DOESN'T SAY YOU CAN DO IT,
THEN YOU CAN'T

GENERAL SAFETY REQUIREMENTS

- A. All cars subject to inspection at any time and must be free of mechanical defects and be in safe racing condition.
- B. Full face racing helmets meeting Snell 90 standards required and must be worn at all times the car is on the track and must accompany vehicle at time of inspection.
- C. Bucket seats are mandatory and must be factory manufactured. Only approved seat installation and seat structure accepted. Seat must be properly installed, and seat backrest cannot be moved back farther than the roll cage rear main hoop. No car will be permitted in competition unless seat is properly installed.
- D. Fire retardant uniform, fire resistant gloves, fire resistant shoes and arm restraints are mandatory.
- E. A 3" wide safety belt and shoulder harness with 2 belts over shoulders, and a quick-release type are required. Must have minimum of one submarine strap. All belts must be securely fastened to frame or cage. Belts must be replaced every three years beginning with belts dated 2001. Date tag or stamp is required.
- F. Shock-resistant roll cage padding on all bars that driver's head, legs and arms may contact while strapped in seat is recommended.
- G. Two throttle return springs and a steel toe strap on throttle is recommended.
- H. Front rock screen from top of hood to top front halo and from roll bar is required.
- I. There must be a 2" minimum clearance between driver's head with helmet and top of roll cage. Loops may be used and must be constructed of same tubing requirements as frame. These must be added in a safe manner.
- J. No review mirrors allowed on or inside the car.
- K. Must have roll bar padding on main loop of roll cage.
- L. Must have a head net or seat brace for head support.

SECTION I. CHASSIS

Sprint car configuration, Chrome moly construction, .095 minimum thickness top and bottom main rails. Main frame rails must have a minimum outside diameter of 1 3/8 o.d. The engine is to be mounted in the center (no offset). Engine is to be mounted in the front of the driver. No vertical mounted engines. Minimum wheel base measured between center of front hub to center of rear axle to be no less than 84". Must have complete roll cage. Seats need to be mounted with minimum 3 bolts. All front axles to be made of steel construction. All chassis must inspection.

Body Components conventional sprint car bodies. Hood must go from the dash to the front torsion bars or past the front axle center line. Body panels may not extend past the back edge of the right tire. Right side body panels (arm guards) mandatory.

SECTION II. WINGS

Top wings mandatory, Nose wings optional, Top wing configuration of 16 (sixteen) square feet maximum, Side panels of top wing 10 (ten) square feet maximum, Wicker bills of (1) inch maximum. No flaps or rudders may be attached to side boards or center section. No by-level wings on top or nose. All wings must have one piece center section. No hydraulic or driver assisted wing movement allowed. Nose wing Max center section measure of 2 (two) by 4 (three) feet max with no wicker bill allowed.

SECTION III. TIRES

OCRS specified RIGHT REAR tire for all events is the American Racer 102-16-0-15GT-OK tire. This is the only right rear tire to be used in any event. All other tires brands and/or compounds optional. All Tires subject to durometer testing at any time. All tires must meet the durometer specifications within 5 points.

SECTION IV. BRAKES

All participating cars must have minimum of one brake on the front and one brake on the rear. No carbon fiber brake components. Brakes must be in working order. If your brakes are not working before a race you will not race. Brakes must be hydraulic type only.

SECTION V. FUEL

Methanol fuel only. No additives allowed. Fuel WILL BE tested frequently and randomly. No oxidizers of any kind. Fuel infractions are subject to DISQUALIFICATION, FINES, and the possibility of complete REMOVAL from any further competition. This includes the OWNER AND DRIVER. THIS IS A NOT NEGOTIABLE OR TOLERABLE.

Fuel cells and bladders mandatory. A fuel shut off valve within reach of the driver required. No more than 40 gallons of fuel allowed.

SECTION VI. WEIGHT RULES

Minimum weight rule includes the driver is 1500 lbs. This is the minimum weight at race end. Cars will be weighed random after heat races, dash and feature events. Any and or all cars may be weighted after an event. Scales are available before all events. Any added weight must be securely fastened and painted white with the car # painted on the weight. 1499 lbs is ILLEGAL.

SECTION VII. COMPETITIVE RESTRICTION

Minimum age to compete in an event is 16 (sixteen) years of age. Proof of age will be required i.e. birth certificate or legal drivers license.

SECTION VIII. ENGINES

368 Cubic inch maximum displacement. Steel blocks only. Flat top pistons only, (no protrusions above piston face), No internal reciprocating parts made of aluminum or titanium or any thing other than steel. Water pumps to remain in the stock location and must be belt driven. Wet sump oil systems only, no external oil pumps or tanks of any kind. All competitors engines are subject to inspection at any time. No crank trigger ignition systems allowed.

SECTION IX. CYLINDER HEADS

OCRS BRODIX SPECIFIED CYLINDER HEADS PART #

CHEVEROLET	SP-CH
FORD	SP-FO
MOPAR	SP-MO

1. All spec heads will be supplied with CNC bowl blend and intake matching from Brodix.
2. No grinding or blending of CNC work is allowed.
3. No grinding or polishing of any kind is allowed anywhere on the castings.
4. No use of any substance that may change or alter the shape or size of the ports or combustion chambers is allowed.
5. Valve seats and guides are to remain as manufactured and in the cast position, valve must stay on the valve seat and cannot touch aluminum.
6. Valve angles are to remain as manufactured. The original seat center locations as provided by the manufacturer may not be altered.
7. No tapering or reshaping of the valve guides is allowed.
8. No minimum combustion volume.
9. Serial #'s must remain on the head and must not be altered or defaced.
10. No welding modifications are allowed to the original castings. Brodix will provide repairs and recertification.
11. Valve stem may be no smaller than 11/32

The ONLY steel cylinder heads allowed for competition are original production for Chevrolet only. These heads must be straight plug castings that were produced for cars and light trucks. Casting # 461x are illegal as with any angle plug cylinder head. No aftermarket steel or aluminum cylinder heads are allowed other than the specified head. Porting are Polishing of the steel stock production head is legal. Ford and Mopar cylinder heads must be the specified brodix head.

SECTION X. CARBURETORS

One 500 cfm holly 0-4412 5 point check legal carburetor

Venturi Bore Primary	1.373-1.377
Booster O.D.	.620 (+or-) .010
Booster I.D.	.380 (+or-) .003
Throttle Bore	1.561-1.562
Throttle shaft & Plate thickness Pri .	1868-.2008

These dimensions will be checked with a go-no-go gauge.
Carburetors with injectors inside are illegal.
No air leak device of any kind.

SECTION XI. MUFFLERS

Mufflers are mandatory.

SECTION XII. TRACTION CONTROL

Traction Control devices of any kind is not allowed. Electrical boxes or spark boxes and all wiring must be out of cockpit area. RPM limiters are limited to 7000 rpm. Anyone found with Traction control devices are subject to permanent removal from any competition indefinitely. All violators will be noted to all other sanction bodies.

SECTION XII IN-CAR ADJUSTMENTS

In-car adjustments of any kind are not allowed. This includes but not limited to, Torsion bar adjustments, Wing adjustment devices, Shock absorber adjusters and fuel adjustments. ECT.