Heartland Racing Association

2013, 2014, 2015 Season Rules Non-Wing Sprint Cars

The new, fun and affordable class of Sprint Car racing!

CHASSIS

- 1. All sprint car frames must be a sprint car design. Both torsion bar & coil over are allowed.
- 2. Roll cages must be a minimum of 1.375 inch diameter .095 thickness, seamless tubing.
- 3. No aluminum frames.
- 4. All race cars must have a front bumper, rear bumper and kick bars on both sides of the race car, steel only.
- 5. All race cars must have a racing fuel cell with bladder.
- 6. Solid steel bolts and nuts only.

DRIVE-TRAIN

- 7. All cars must have a minimum of 3 wheel brakes. (Inboard & front brake).
- 8. In & out box, sliders & shifter rear ends only. No transmissions or clutches.
- 9. The drive-line must be fully enclosed by a torque tube; torque tube must have a 3/8 inch inspection hole. A drive-shaft loop or a drive-shaft strap is mandatory.

ENGINE

- 10. Cast iron blocks and heads only. Flat top pistons only.
- 11. Flat tappet cam and lifters only.

- 12. Maximum 360 cubic inches on Chevrolets & 370 cubic inches on Fords & Chryslers. (2% allowance when tubing for C.I.)
- 13. 2 3/16 maximum injector stacks or 4 Barrel alcy carb.
- 14. Steel or aluminum pulleys allowed.
- 15. No dry sump oiling systems.
- 16. Engines not meeting the above specifications will be required to use 1.625 X 3 inch long restrictors, EFI and throttle body engines require a 2 inch diameter X 3 inch long restrictor on intake. Hoosier 55 compound or harder right rear tire, and Hoosier 40 compound or harder left rear tire. *Absolutely* no compound altering chemicals allowed. Tires will be checked prior to hot laps.

PROTEST RULES

17. The top four finishers can be subject to an engine protest. Any driver finishing on the same lap as the fourth place car is eligible to protest. The protesting driver must pull into the work area and make his intentions known to an HRA OFFICIAL with \$100 cash. The \$100 will be contributed to the HRA. The inspection will consist of a visual inspection to verify flat top pistons and flat tappet camshafts and should be accomplished by removal of one spark plug and one valve cover. Removal of one rocker arm and push rod may also be necessary. Refusal to submit to this inspection will result in loss of points, that nights money and a \$300 fine to be paid to HRA prior to the next event.

FUEL

- 18. Methanol or Ethanol (E98) will be permitted. No Gasoline.
- 19. No performance additives.

SUSPENSION

- 20. No cockpit adjustable shocks.
- 21. Coil-over suspension will be allowed.
- 22. Minimum 84-inch wheelbase.

TIRES

- 23. Any compound Hoosier tires are allowed for engines meeting HRA specifications.
- 24. *Absolutely* no compound altering chemicals allowed.

WHEELS

- 25. No plastic wheels allowed.
- 26. No carbon fiber wheels allowed.
- 27. Beadlocks are highly recommended.

WINGS

28. No wings, unusual side panels or air foils allowed.

SAFETY

- 29. Competition shoulder harness and lap belt must be a minimum of 2 inches wide. Submarine belt and arm restraints are mandatory. Metal to metal buckles are required on shoulder harness and lap belts. All belts are **required** not to be over 2 years old.
- 30. Fire retardant racing suit is mandatory.
- 31. Fire retardant racing gloves are mandatory.
- 32. Fire retardant shoes, socks, underwear and hood are highly recommended.
- 33. Neck brace is required.
- 34. Helmets **SNELL SA95 or SA00** required. Helmets must be worn at all times when driver is operating race car.
- 35. No transmitting or listening devices are allowed in the race car, other than raceceiver.
- 36. No electronic monitoring computer devices capable of storing or transmitting information, except tach, allowed on the race car.

NOTE

37. Any rules not covered here or any rules in question will be left up to the officials in charge. Their decision will be final.