



2024 High Roller Series Official Rules

Wing – All 2024 UMSS Wing Series Rules apply.

Traditional – Pages 2 – 11 of the 2024 UMSS or NRSS rulebook apply

Engine

- Fuel must be pure methanol only. No oxygenated fuel additives are allowed.
- Fuel pump may be mechanical or electrically powered. Electric fuel pump must be powered through an oil pressure switch; 15 psi minimum switching pressure.
- Cars must have a clearly marked ON/OFF switch within reach of the driver and visible to officials.
- No electronic traction control devices are allowed.
- Schoenfeld part number 112535, 112530, or Knoxville 14272735-78 are mandatory for all tracks that require the use of a muffler.
- A minimum of two return springs must be connected to the throttle.
- The throttle pedal must have a toe strap.

Chassis

- Open to any sprint car chassis 1994 to present.
- 4130 chrome-moly, tig welded steel frame recommended. (1 ½ inch diameter by .095 minimum tube thickness on main frame and cage required.)
- Wheelbase: Minimum – 84 inches. Maximum – 96 inches.

Body

- Conventional sprint car body only. Must be well maintained.
- Must have at least one number of contrasting colors on each side of tail tank and on the front nosepiece. Minimum of 15” tall.
- Hood can be a multiple piece design and must appear to be one continuous piece.
- Conventional side panels only.
- No aerodynamic devices or wings allowed.
- Sun visors are limited to nine inches long and cannot be wider than the cage.
- Solid metal firewall required between the engine and the driver. Fiberglass dash is allowed.
- Solid metal floor pan must extend from the firewall to the front of the driver’s seat.

NOTE - An energy absorbing roof (Part Number 5010015) **MAY** be allowed in all Renegade Traditional Series including High Roller in 2024. **IF SO** than the EA roof must be mounted according to the Renegades body template. (not available yet)

A minimum 18” opening must exist in front of the energy absorbing roof.

The energy absorbing roof must be mounted with a minimum of 8 - 5/32” rivets to each side panel.

The energy absorbing roof must be installed with a maximum 12-degree angle from top surface to ground, measured with driver, before or after an event. More information will be available in the coming months. **They are NOT allowed at this time pending more testing, availability and price.**

Steering and Suspension

- Any conventional torsion bar or coil-over suspension is allowed. Combining the two is allowed. No anti-sway or zero-roll devices allowed.
- Steel straight front axle only. 53” max width.
- Front axle tethers are required. Tethers must be purchased from a safety manufacturer and installed per their recommendations.
- A quick release steering wheel is mandatory.
- The drag link must be tethered to the frame with nylon webbing of at least 1 inch width.
- Drag links and tie rods must be made of 4130 or magnetic steel.
- Magnetic steel heim joints (tie rod ends) required on drag links, **rear torsion arms** and tie rods.
- This does not affect the Radius rods or Panhard and you may run those as aluminum if you would like.

Driveline

- Quick-change center sections required.
- All drivelines must be broken in the coupler or rear slider.
- Driveline must be fully enclosed and contain no more than one U-joint or CV joint and that joint must be at the front of the driveline. No torque arm drivelines allowed.
- Buckley Yokes are allowed.
- Driveline safety strap or driveline hoop restraint constructed of .065" steel either welded or bolted to the chassis is mandatory.
- Steel or approved aluminum shield covering the flywheel is mandatory when bell housing is inside the cockpit. A driveline containment system is Highly Recommended

Rear End

- Any conventional quick change rear-end is allowed.
- Maximum 2" offset allowed

Brakes

- Must have minimum left front and left inboard rear brake system. All brakes must work at the start of the event. Rear brakes must work at all times. Additional rear brake allowed.

Bumpers

- Bumpers and nerf bars must be sprint car type bars, constructed of no less than 1" O.D. and .060" wall thickness, and securely bolted to the chassis.
- Side nerf bars may have a triangular or 4-point configuration and cannot extend outside rear tires.
- The front bumper cannot extend more than 8 inches from the frame or 23 ½ inches from center of front axle to front of front bumper.

Wheels

- Maximum wheel width: Front 10", Left Rear 15", Right Rear 18".
 - Bead locks on all wheels are recommended.
 - Wheel covers are allowed.
 - Wheel covers need to be fastened with 1/4" bolts or 5 dzuses.
 - Wheel covers must be marked with the car number.
- Note- If you lose a wheel cover, a caution will be called and you will go to the back

Tires

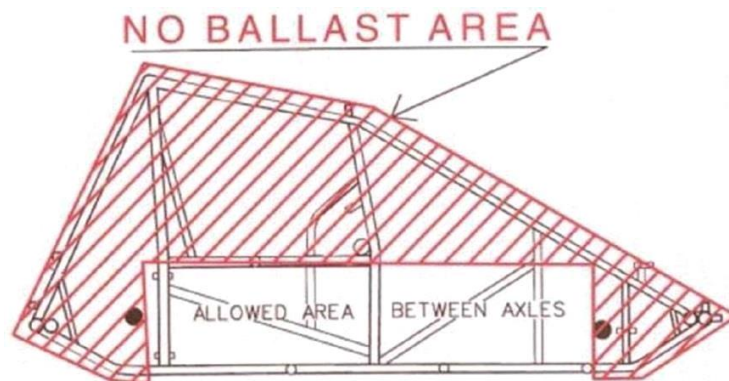
- Right Rear: Right rear tire can only be used on right rear of car. The following tires may be used: Hoosier 105/16.0-15 MED (Medium) or Hoosier 105/16.0-15 H15 or D15A

- Left Rear: Hoosier RC1, Hoosier H12, Hoosier SC12-98 or Hoosier D12A. Left rear tire can only be used on left rear of car.
- Fronts: Any Hoosier.
- *WARNING: DO NOT ALTER TIRES* Chemical Treatment of Tires: Hoosier Racing Tire and the High Roller Series strictly forbids any chemical alteration of the tire carcass and/or tread compound such as tire "soaking" or use of tread "softener." Hoosier Racing Tire and the High Roller Series strictly forbids the physical defacement (removal, altering or covering) of tire sidewall markings in any manner. Failure to comply with this warning could result in premature or catastrophic tire failure and may result in SERIOUS PERSONAL INJURY OR DEATH.
- Absolutely no chemical of any kind may be applied to a tire. This includes tire cleaner. The High Roller Series reserves the right to confiscate and test any tire at any time. Tires may be tested on a random basis. If your tire is confiscated, your check will be withheld until after testing. Tires may be tested on a random basis at the High Roller Series expense unless the tire is found illegal. The High Roller Series will not reimburse teams for the tire. If found illegal, the team will have all points taken away, penalized \$2,500 and banned for 365 days.

Weight

- Minimum weight is 1350 lbs. including fully suited driver, at the end of the race.
- You can be weighed at any time during the event.
- Any added weight must be in block form or formed to frame, painted white with the car number stamped on it. Weight must be securely bolted and located between the front motor plate to 12 inches behind rear motor plate. No weight can be added, moved, or replaced during yellow or red flag conditions.
- NRSS officials reserve the right to disqualify any car whose weight mounting procedure or location does not satisfy our specifications (see illustration below).

NOTE: No added weight will be allowed in the open area under the seat. It will be allowed only in the open area in front of the firewall per the rule above.



ANY BALLAST NOT ENCAPSULATED MUST BE PAINTED WHITE AND BE IDENTIFIABLE BY CAR NUMBER. ALL BALLAST MUST BE APPROVED BY TECH OFFICIALS.