

Barnstormers Off-Road R/C Raceways – 2009/2010 Indoor Racing Guidelines

2WD Short Course Truck Spec Class

The aim of the 2WD SC Spec Class is for beginners and the experienced to be placed on a level racing field where both can enjoy racing together. For this reason, any modification that improves a vehicle's performance will be prohibited (in exception to any minor modifications listed below). Any modification that improves durability only, is a modification that will be allowed.

Please look through each section below to be sure that your vehicle complies with these guidelines.

Key: '*Spec Manufacturer*': Refers to Traxxas, Team Losi, Team Associated, or HPI only
'*Manufacturer*': Refers to any manufacturer of RC equipment.

Vehicles Allowed:

- Traxxas Slash RTR
- Team Losi Strike RTR/BND
- Team Associated SC10 RTR
- HPI Blitz RTR

Electronics:

- Stock Electronics must be used. These Include:
 - Supplied Servo
 - Supplied Speed Control
- The receiver may be replaced to accommodate a different radio system.
- An aftermarket servo horn / servo saver may be installed.
- Any *Spec Manufacturer's* Included Electronics may be used in any vehicle.

Motors:

- Traxxas Slash RTR
 - The Traxxas, Losi, or HPI 550 included motors can be used.
- Team Losi Strike RTR/BND
 - The Traxxas, Losi, or HPI 550 included motors can be used.
- Team Associated SC10
 - A Stock Spec, 27 Turn, 24 Deg, Motor must be used.
 - 'Barn Approved' Stock Spec Motors are available for purchase.
 - The included 17 Turn Motor is not allowed, in any vehicle.
- HPI Blitz
 - The included HPI 550 Motor can be used.
 - A Stock Spec, 27 Turn, 24 Deg, Motor can be used.
 - 'Barn Approved' Stock Spec Motors are available for purchase.

Batteries:

- 7.2V 6 Cell Nimh / NiCd Battery pack can be used.
- 8.4V 7 Cell Nimh / NiCd Battery pack can be used.
- 7.4V 2 Cell LiPo Battery pack can be used.
- No other battery pack can be used besides than the ones listed above.
- Any mAh / C-Rating may be used.

Suspension (Shocks):

- Any combination of piston or oil viscosity can be used.
- Traxxas Slash RTR
 - The stock “Ultra Shocks” must be used. The top cap may be replaced with the Traxxas aluminum cap.
 - The stock white progressive rate Traxxas springs must be used.
- Team Losi Strike RTR/BND
 - The stock shocks and White Springs must be used
- Team Associated SC10 RTR
 - The stock shocks and Springs must be used
- HPI Blitz RTR
 - The stock shocks and Stock Springs must be used
 - Aluminum shock caps may be installed

Tires, Wheels & Foams:

- Any dual diameter, 2.2” x 3.0”, box stock tire from any *Spec Manufacturer* may be used front or rear.
- Any dual diameter, 2.2” x 3.0”, wheel may be used from any *Manufacturer*, Traditional or Bead-Lock
- Any wheel being used cannot increase or decrease the width of the vehicle. It must match the manufactured offset.
- Pro-Line Switch 2.2” tires may be used.
- Pro-Line Epic 2.2” Bead-Loc wheels may be used with the Switch tire only.
- Any foams from any *Manufacturer* can be used inside the tire.

Transmission / Driveline:

- All stock gearing must be used inside the transmission.
- The stock Gear Diff must also be used and cannot be replaced with a Ball Diff.
- The Diff can have Grease or Diff fluid installed.
- The stock driveshafts must be used.
- Any size spur gear can be used.
- Any size pinion can be used as long as modification is not required.
- All vehicles must have a gear cover installed.
- Traxxas Slash RTR
 - Traxxas Steel outdrives can be installed.

Body:

- Any body may be used provided it is a short course style truck body and that the wheels are fully enclosed.

Suspension Parts and Others:

- Items such as A-Arms, Turnbuckles, Hubs, Castor Blocks, Shock Towers, Gear Covers, Steering Racks can be replaced with parts designed to upgrade durability.
- Please note that parts which increase performance characteristics like toe-in, track width, caster, kick-up, etc cannot be installed.
- Ultimately, use of hop up parts is at Barnstormers’ discretion.