



Classes & Rules

2025 Season - (rev. 12.29.24)

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CLASSES & RULES: 2025 (rev 1.5.2025)

ROOKIE (For "entry level" drivers)

- Virtually any 1/10th scale
- 2 cell Lipo (or 6 cell NiMh) Battery
(It would be suggested to run a car that will fit the rules of a non Rookie class)

Street Stock (buggy) - Rear or Mid Motor

- Any 1/10th scale 2wd buggy chassis, must be OEM chassis.
No cutting or offsetting chassis in any way.
- Motor ROAR Approved 21.5t brushless motors (adjustable timing ok)
- ESC's must be in "blinky" mode
- Battery 2 Cell Lipo or LiHV Battery (no drag packs 2s2p MAX)
- Tires/Wheels 10th Scale buggy tires only 2wd or 4wd
- Both wheels and tires are to be 1/10th scale buggy sized only
- Bodies are to appear as a asphalt or dirt street stock or stock car.
(Street or Hobby Stock, no Late Model or Modified Bodies)
9 or 10 inch wide bodies - not those made for Short Course Chassis. Bodies such as the McAllister Street Stocks, Shark Street Stock, or any other older style cars are encouraged.
- 1.00" Spoiler (measured from rear deck) MAX. No side plate/end sills.
- Bodies must be painted *with numbers*

Super Steet (buggy - former SR10/Factory Stock) Rear or Mid Motor

- Any 1/10th scale 2wd buggy chassis, must be OEM chassis.
- Motor/ESC 3300kv Associated/Reedy (SR10) motor or motor of equal size. (540 3300kv 4 pole or 13.5t 2 pole w/ open timing ESC.)
- Gearing
Open gear ratios
- Battery
2 Cell Lipo or LiHV Battery max voltage 8.44v 2s2p Max (No Drag Packs) rev. 12-30024
1/10th Scale rubber buggy tires
- Bodies
Jconcepts
McAllister
Shark Racing
- 1.00" Spoiler (measured from the deck) MAX - No Side Plates/End Sills. (rev. 9.29.23)
- Bodies should be painted with numbers.
- Tires: Rubber Tires (SLICKS or TREADED) No Foam Tires



"TSM" Tucson Sport Modifieds

- Any stock 2wd "Short Course" plastic rear motor chassis. Traxxas lcg chassis is ok. (rev. 9.29.23)
No cutting or offsetting the chassing in any way.
- Body:
Any 1/10 scale modified body replicating a current dirt or asphalt modified. Mudboss bodies are ok.
- SUSPENSION: (Adjustable collar type shocks not allowed) rev. 9.29.23
Stock suspension to the chassis. SC10- Aluminum NON-threaded shocks that use pre-load clips.
Slash- Stock plastic or Traxxas part number 5862 aluminum bodies, both use pre-load clips.
Losi XXX/22s, stock to each vehicle.
- Shocks must remain in stock locations. Front shocks are to be used on front, rear to rear. Shocks may be limited with internal limiters. Can change oil and springs.
- Motor & ESC:
Traxxas Velineon VXL 3s and 3500kV motor only. May be mounted in stock location, or anywhere within the chassis tub.
- Tires:
Any 1/10 SC tire. Must be 2.2/3.0 wheel. No 2.8 wheels. (Treaded or Slicks ok)
- Battery:
Any 2s lipo 8.44V max, Shorty lipos ok. Must be mounted within Stock location.
- Transmission:
Traxxas Magnum 272, Traxxas magnum 272R, any aluminum or RPM Transmission that will keep stock rear toe, (0 degrees) are ok. Stock internals must be used. No diff locks No upgrades.
- Upgraded/Durability Parts:
Any 1/10 Servo.
- Hub carriers, camber blocks, steering bell cranks, may be RPM or aluminum equivalent to stock. No rear toe adjustment (Traxxas 4wd Rear hubs for example). Traxxas Heavy Dutyt axles TRA6852X ok. A-arms may be stock or Traxxas heavy duty (2555X, 2555G, 2555B, 2555T, etc) ok. RPM direct replacement (not extended or long travel, must be same length as stock) are ok. NO aluminum arms. Aluminum bulkhead ok. RPM, or aluminum shock towers, stock height ok. Tie-rod and camber links aluminum/steel/titanium ok. Ball stud and cup conversions are ok. Aluminum hex ok, may run 8mm or 5mm.

SC Modified 10.5t(2wd Short Course "Modified")

- Stock or Aftermarket Chassis' ok (GFRP, Five Star, etc)
- Dirt Modified Body
- 10.5t Motors MAX
- ESC Must be in BLINKY (Zero Timing) mode - no boost, etc.
- 2 cell Lipo/LiPo or LiHv Battery - NO drag packs
- Short Course Rubber Tires - No Foam or "home made" tires.



Slash Modified

•BOX STOCK Traxxas Slash Modified

These cars are to run as they come 'out of the box' w/ no upgrades, changes or other modifications (other than the addition of a body mount on the nose of the car)

Batteries: 5200mAh 2 cell Lipo , Battery Connector on ESC may be changed, motor connector must remain the stock MT30 plug.

Stock motors (Traxxas Brushless BL-2s motor and ESC "ONLY")

Stock KIT Gearing

Stock Tires

Stock Radio

Stock Shocks and Suspension

Bodies may be replaced with stock Traxxas Replacement Bodies (painted or clear)

ALL Bodies must be painted w/ numbers.

13.5t NON Winged Sprint

•13.5t (ROAR Approved) motors

•Blinky ESC mode

•Rubber (buggy) tires (no home made tires)

•2 cell ROAR Legal 2s2p LiPo/LiHv batteries (no drag packs)

NO WINGS

•Open to purpose built or chassis conversion type sprint cars - adj. rear arms ok.

Outlaw Winged Sprint

• Open Motors & Open ESC

• Buggy or Purpose Built Sprint Cars,

• 2 cell Lipo/Lihv Battery (tall drag type packs ok in MOD classes)

• Rubber (buggy) tires (no home made tires)

•Open to purpose built or chassis conversion type sprint cars - adj. rear arms ok.

Dirt Late Model

•2wd Purpose Built Dirt Late Models (ie: Custom Works or similar) or converted 2wd buggies ok.

•Bodies like the Protoform Cyclone, Nor'Easter or other MFGs dirt late model bodies.

"decked bodies are ok" (no Built for Short Course or 1/8th scale bodies)

•NO Sign Board Side Dams

•Open Motors/ Open ESC

•2 cell Lipo/Lihv Battery (Drag Packs OK)

•Rubber "Buggy" size tires - no spec, but must be of 2wd or 4wd "buggy" size.



SC Crate Late Model

- Any factory 2 wheel drive short course chassis, aluminum allowed.
No 4 wheel drive. No 4 wheel drive conversions.
No aftermarket chassis.
No aftermarket shock towers.
No adjustable or aftermarket rear arms. Arms must be same length on both sides.
Any Short Course or similar size shocks may be used, No "Buggy" size shocks.
Both internal and external limiters ok. Aftermarket springs ok.
No offset suspension, chassis, or gearbox.
No cut down transmission gears.
 - Motors: 10.5t Brushless Motors - ROAR approved (adjustable timing motors or FTM)
 - Speed Controllers: Any "Brushless ESC" may be used so long as it has "Blinky" mode, and must be IN blinky (no added timing) mode.
 - Battery: 2 Cell Lipo (must be hard case "ROAR" style batteries.) NO DRAG type packs. Battery must be in the stock location in stock or stock style aftermarket mounts.
 - Bodies: (rev. 9.29.23)
 - Odd Design SC Stock Car (Camaro, Mustang, Toyota)
 - Shark SC Stock Car (Camaro, Mustang, Toyota, Cadillac, etc)
 - Other similar type bodies allowed.
 - Rear of Body (rear bumper area) MAY be cut out. (rev. 9.19.23)
No holes in the body other than the body post holes or bolt holes for fender braces and rear spoilers.
 - Windows must be left in the body. No window cut outs.
 - Rear Spoiler: 2.0" rear spoiler (rev. 9.29.23)
No front splitters or any other fins.
No wings.
 - Tires: Any rubber 2.2-3.0" short course wheel and tire.
No foam tires. No buggy tires. No stadium truck tires.
- NOTE: Added weight is ok. Weight must be on the main chassis plate or securely attached to the side rails, and inside the nerf bars.



SLASH Super Stock

- TRAXXAS 2WD Slash stock/OEM chassis or LCG chassis are allowed; no other chassis options.
FULL rear bumper MUST be used. (Aftermarket REAR bumper is ok)
- Allowable RPM "Upgrades":
RPM Front Caster Blocks: #RPM80712
RPM Front Bearing Carriers: #RPM80372
RPM Rear Bearing Carriers/Hubs: #RPM80382
RPM Rear Bumper: #RPM81002 (BLACK), #RPM81003 (CHROME), #RPM81005 (BLUE), #RPM81007 (PINK)
Transmission case MUST remain stock. (No Traxxas 272rLay MAGNUM TRANSMISSIONS)
Plastic internal gears are NOT allowed.
RPM transmission case is NOT allowed.
Transmission Functionality Clause
The motor CANNOT spin while slowly turning one rear wheel, one full turn.
- Gearing: (at the Big O R/C Speedway and the Encino Velodrome):
86t "Traxxas" Spur Gear ONLY
27t Pinion Gear (MAX) Smaller pinions may be used.
- No adjustable rear A Arms
- Possible adjustments:
Camber / Front Toe (in/out) / Ride Height / Shock Oil / Shock Pistons / Shock Limiters (both internal and external) / Shock Spring Pre-Load
- Shock Mounting Locations (within the stock/OEM options)
- Battery Mounting Location, front-to-rear (within the stock/OEM options/locations)
- A-Arms, both front and rear, must remain stock, and in their original mounting orientation and position.
- Weight No minimum or maximum.
adding additional weight is NOT allowed.
- TRAXXAS aluminum shock caps are allowed. (ARE THESE THE CORRECT NUMBERS BELOW?)
#TRA3767A (BLUE), #TRA3767G (GREEN), #TRA3767P (PINK), #TRA3767T (ORANGE), #TRA3767X (RED),
- Stock/OEM TRAXXAS 2WD Slash shocks MUST be used.
Grey/Gray or Black versions are BOTH allowed.
- Shock components are only allowed in their original locations; e.g. front shock bodies and front shock shafts are only allowed to be used on the front end of the chassis. Likewise, rear shock bodies and rear shock shafts are only allowed to be used on the rear end of the chassis.
- Springs:
TRAXXAS 2WD Stock/OEM springs ONLY are allowed.
Front Spring: #TRA5857, #TRA5857P (PROGRESSIVE)
Rear Spring: #TRA5858, #RA5858P (PROGRESSIVE)

Slash Super Stock Rules Continued on Next Page



SLASH Super Stock (continued)

- Body: Stock Car, Street Stock, Pavement or Dirt Style bodies for SC/Slash Size allowed. currently the Shark Slingshot is NOT permitted. (1.5.25)

- SPOILER: no more than 1.500" from the deck lid.
Additional side dams or supports are NOT allowed (e.g. only a spoiler is allowed).
Decking (removal of the windows and replacing with a flat piece in the greenhouse) is NOT allowed.
Windows are NOT allowed to be cut-out.

- TIRES:
Stock/OEM TRAXXAS 2WD Slash kit tires
DURATRAX SpeedTreads in PRE-MOUNTED ONLY:
DURATRAX SpeedTreads Upshot
Front: #DTXC2952 (RED/CHROME WHEEL)
Front: #DTXC2934 (BLACK WHEEL)
Rear: #DTXC2953 (RED/CHROME WHEEL)
Rear: #DTXC2935 (BLACK WHEEL)
DURATRAX SpeedTreads Robbers
Front: #DTXC2943 (RED/CHROME WHEEL)
Front: #DTXC2928 (BLACK WHEEL)
Rear: #DTXC2944 (RED/CHROME WHEEL)
Rear: #DTXC2929 (BLACK WHEEL)

- Tire "Saucing" is not allowed at "The Big O R/C Speeway" no use of chemicals that can transfer residue to the track surface at ANY time. (Tires must be dry of any "cleaners or prep")
- ELECTRONICS
TRAXXAS 2WD Slash stock/OEM XL-5 ESC, #TRA3018R, MUST be used.
TRAXXAS 2WD Slash stock/OEM Receiver IS allowed to be changed/removed/swapped to accommodate an individual racer's radio system.
- MOTOR:
TRAXXAS Titan 12T 550 Brushed Motor, #TRA3785
Altering or tampering with the motor is NOT allowed, normal "break in" may be done.
- SERVO:
TRAXXAS 2WD Slash stock/OEM steering servo, #TRA2075
- BATTERY:
Any full-size ROAR legal 2S, hard case battery, with a MAXIMUM capacity of 5500mah, with ANY C rating,
Battery MUST remain in the center channel of the chassis.
Battery is allowed to be moved forward and backward within the center channel of the chassis.



SLASH Super Late Model

Body:

ANY full bodied stock car made specifically for a SCT is allowed.

EXAMPLES: Shark RC Bodies, ODD Design (available through McAllister Racing)

•SPOILER: no more than 1.500" from the deck lid.

Additional side dams or supports are NOT allowed (e.g. only a spoiler is allowed).

Decking (removal of the windows and replacing with a flat piece in the greenhouse) is NOT allowed.

Windows are NOT allowed to be cut-out.

•Suspension

Stock A Arms (including Traxxas Heavy Duty) may be used, Heavy duty Traxxas bearing carriers, RPM bearing Carriers and steering blocks may also be used

•Steering & Servo

Upgrading to the NEW heavy duty steering rack is allowed, as is the use of a solid servo horn.

Servo may be upgraded.

•Transmission

Stock Slash Transmissions (No RPM Cases), stock internals may be upgraded with the lighter or plastic gears. (No 272R Magnum transmissions)

•Springs and Shocks

Stock TRAXXAS Slash (non threaded) Shocks only - Shock Caps may be replaced with aluminum caps. Springs may be changed with other (Stock Length) Traxxas Springs, NO Spring Cutting. internal and external shocks spacers are ok.

•TIRES:

Open "Short Course" Tires, treaded or slick

Tire "Saucing" is not allowed at "The Big O R/C Speedway" no use of chemicals that can transfer residue to the track surface at ANY time. (Tires must be dry of any "cleaners or prep")

•MOTOR & ELECTRONICS

Stock Traxxas BL-2s Brushless Motor. Non Traxxas Sensorless ESC may be used but must be equipped w/MT-30 motor plugs to directly plug into a stock Traxxas BL-2s 3300kv motor. Altering or tampering with the motor is NOT allowed, these are factory sealed and must remain that way

•BATTERY:

Any full-size ROAR legal 2S, hard case battery, No mAh Restrictions (No DRAG Packs).

Battery MUST remain in the center channel of the chassis.

Battery is allowed to be moved forward and backward within the center channel of the chassis.



MIDGETS (Dirt Midgets)

- All height measurements are from bottom of chassis unless otherwise noted.
General - Maximum Overall Length: 16.750". Maximum Chassis width: 4.2" Maximum of 4 shocks can be used. Solid axles are allowed. If solid axles are used the rear axle must be square with centerline of the chassis and parallel to the front axle.
- Wheelbase- Min 9." Max 10.0"

- Width- Min 8.5" Max 10.0"

- Rear Toe- Only non adjustable rear arms can be used. Trackside toe adjustable rear hubs and or arms are not allowed. Trackside adjustable wheelbase is not allowed (can't have toe blocks or anything else attached to an easily adjustable mechanism to allow for wheelbase change trackside). Left rear can be toed in via toe block. Right rear can be toed in but can NOT be toed out.

- Offset- Right side of the cage can be no further offset from the outside of the RR tire than 3.625"
- Ballast Weight- Brass, tungsten or steel hubs, arms, arm inserts, caster blocks, steering arms are not allowed. Ballast weight can be attached to the main chassis area is allowed as long as it's secured properly.

- Transmission – 3 gear transmissions only. No DD, 2, 4 or 5 gear transmissions will be allowed. All gears must be full gears. No narrowed or lightened gears allowed. Plastic, Aluminum and Steel gears are permitted. Steel outdrives only. Blades are permitted. No gear diffs allowed. No rear motor cars allowed unless you can do it in a manner that the tail tank is appropriately sized and located.

- Solid Axle Option- If a solid rear axle design is used it, the motor must be mounted to the chassis and cva/cvd must be used to drive the rear axle. No belts or chains will be allowed. A spur gear and pinion must be used in conjunction with the motor plate mounted to the chassis.
CVA/CVD- Dog bones must be equal length. Axles and bones must be made from steel. No aluminum, titanium or magnesium axles or bones allowed.

- Speed Controller - Hobbywing Justock Speed controller # 30112003

- Motor – Hobbywing 13.5T Justock #30408010

- Battery - 2S hard case lipo

- Tires – Tire choice is track/event choice. This class must be on a spec tire and only 1 spec tire is allowed at an event or track. Promotor can choose the tire that works best for their event but must make a choice on only one tire option for this class. If there are multiple compounds of the same style of tire then they can be used. No cutting, grooving or modifying the size and shape of tire is allowed (foam tires are allowed to be cut and grooved).



- Cage – Must have a scale appearing contemporary cage made out of rounded stock. The cage must be symmetrical left to right and mounted level to the chassis. Unrealistic shaped cages designed to exploit the rules below are not permitted. Maximum cage width at driver halo, down tubes, and top frame rail: 3.600". Minimum cage height is 6.00" while maximum cage height 6.25" from top of chassis to top of cage at highest point. Rear "down tubes" must slant forward. All cage and body components such as cage, bumpers, nerf bars, hoods, side panels, tanks, etc. must be mounted on the centerline of the cage.
- Chassis may not extend outside of the side panels by more than 1/4" on either side.
- Bumpers – A tubular front bumper must be used and may not be designed to direct air or create downforce. Maximum height of front bumper is 1.5" from the bottom of the lowest point of the chassis.
- Scale appearing side nerf bars must be used on both sides of the car. A scale appearing rear hoop style bumper must be used. Bumpers and nerf bars must be made of rounded stock with no sharp edges.
- Tail tank – A traditional scale appearing rounded style three dimensional rear fuel cell must be used. A rectangle (Swindell) style rear tank is allowed but must have a proper style rear bumper to go with it. You can not simply have a flat tail section with no bumper.
- Headers- Three dimensional scale appearing headers must be used on the left side of car in "engine area". Material must be plastic or aluminum. Not allowed to make inserts for these to add ballast weight.
- Side panels – Flat side panels may be made from molded or fabricated polycarbonate. Maximum height of side panels in front of the driver cockpit is 4.50" from the bottom of the chassis. Must have minimum of 1/2" high by 2.5" long openings on both sides of cage in driver compartment. Additional material may be used/added to either side of the side panel openings to replicate a scale appearing driver but may not exceed 1" x 1". Side panels may not extend beyond the cage by more than 0.25".
- Side Panels may not extend into the area that is behind the rear axle AND below the top of the rear nerf bar. Scale appearing driver arm guards and engine vents may be used but cannot extend more than 3/8" from the side panels. No other flares or turnouts designed to deflect, trap and/or form a pattern for air to travel in a directed manner are permitted except for those used to cool electronics.
- Hood – A scale appearing hood must be used and is defined as beginning at the point where torsion tubes or cross brace would be on a 1:1 car behind the front bumper. The hood must be tall enough and wide enough to allow room for a scale engine intake and air cleaners (no unrealistically low or flat hoods). Minimum vertical gap from top of hood to bottom of front cage crossbar.
- Nose Area – No molded or fabricated nose piece may be used and is defined from the torsion tube or cross brace would be on a 1:1 car. You are not allowed to have anything below that point that is on the same plane as the hood. No scoops or bodywork allowed in this area. You can have side panels along the front of the cage but they are not allowed to stick past the cage sides.
- Extra Panels – No molded or fabricated scoops, wings, or extra panels can be added to the car to create downforce. The panel in the cockpit area that is used on full size cars at the Chili Bowl is not legal.