

CLAY OVAL RULES AND CLASSES

CLAY OVAL GENERAL RULES-

Clay Oval Class Rules

FRIDAY/SATURDAY NIGHT DIRT OVAL

TRACK RULES

Updated 10/29/25

GENERAL TRACK RULES

GENERAL RULES: The following are the rules by which we keep Revolution Raceway a fun, safe and family friendly environment.

Not all classes run both nights, check at track for specific questions as mostly classes run relate to participation level of that class/day.

No one may consume or be under the influence of drugs or alcohol. You will be asked to leave immediately for the night and not return if you cannot comply.

All drivers must register

Standard race times are 4 minute qualifiers and 4 minute mains or laps to be counted, but times may be shortened based on attendance to 3 minutes qualifiers and shorter mains but would be announced at start of race event.

All LiPo batteries must be charged in an approved LiPo bag or sack.

In classes running 12 turn Titan, motor claim rule applies. You buy a new one from John's Hobbies, give the receipt and the new motor in the original un-opened package to the driver and he shall remove his motor on the spot and hand it over, non-compliance may be reported to the RD, and driver not complying will lose race privilege's for the points night.

Claims are done after any runs in the Mains. Must be a competitor in that same class to allow claim rule.

A “Pit mat”/ “Pit towel” must be used on the pit tables.

Please clean up your pit space when you are done racing.

Foul language and bad behavior will not be accepted, please remember that this is a family atmosphere! Please be respectful of your fellow racer.

RACING RULES: Revolution Raceway utilizes DODC rules www.dirtoval.com for our race program. All acceptable motors, batteries and speed controls can be found via those sanctioning bodies. If you have a question or concern, please bring it to the attention of Store staff members or the race director.

The use of reverse during a race is prohibited.

Hot Laps will start once all cars are on track, then line-up once instructed by the Race Director.

There will be two minutes between races with an optional 1-minute grace upon request.

Bodies must use standard body mounts, floating mounts not allowed in any classes.

No Metal bumpers in any class.

All classes must maintain a 3/4" chassis to track height as measured before or after the race (effective 1/1/24, measured with front tires pointed straight). Bodies can be lower, but anyone dragging repeatedly will be asked to trim up the body or change mounting to eliminate dragging.

All drivers must turn marshal the race immediately following their race. If you are not able, or racing in the next heat, or need to fix your car it is your responsibility to find a substitute not the Race Director.

Any cars damaged and placed in the infield will remain there until that race is over.

Legal battery (LiPo) voltage is 8.40 volts; any battery measuring over 8.44 is illegal.

If found above, the racer will be allowed to run the battery down to an acceptable voltage. And not more than 10 degrees above ambient.

All drivers/cars may be subject to random tech inspection immediately preceding or following a race; this is at the discretion of the race director.

AMATEUR CLASS

AMATEUR CLASS

Amateur-

- **Chassis: 2wd Mass Production Short Course Truck**
No additional weight may be added.
- **Minimum Ride Height: .750" (including body).**
May use RPM parts for durability
Shocks & Springs: Any Short Course tuning spring will be allowed.
Aluminum shock caps (any color) are allowed. The shock oil or shock travel/length will not be mandated.
- ***Gearing must be 16/90 or same ratio for your gearbox, see race director.***
- **Motor: Titan 12T/BL-2**
ESC (Speed Controls): XL5 on training mode only
 - **Batteries: 5000mAh 50C 2S 7.4v LiPo maximum, no shorty.**
Battery must be mounted in the stock center tray location but can be moved forward or back as long as it stays within the stock boundaries of the battery tray. Any plug may be used for the battery to ESC connection. Body: Any Short Course Designed Body.

SPORTSMAN STREET STOCK

Sportsman Street Stock:

Updated 7/23/22

- **Chassis: 2wd box stock Traxxas Bandit**
 - **Minimum Ride Height: .750" (including body).**
- **Associated SR 10 will be allowed in stock form and throttle set to 64% (if not using stock radio).**
- **Weight: No additional weight may be added.**
 - **The ESC, transponder, and receiver can be mounted anywhere in the main chassis plate area only.**
- **Adjustable turnbuckles (to help minimize tire wear) will be allowed going into 2022 fall season.**
- **Shocks & Springs: Any tuning spring by Traxxas will be allowed. Springs may not be cut or altered from factory in any way.**
 - **Aluminum shock caps (any color) are allowed.**
 - **The shock oil will not be mandated.**
- **Tires: Buggy based Tires, Front tires must be buggy front size/width.**
- **Motor: 27T Brushed Motor (Locked can Crawler Motor required)**
- **Gearing: 83T Spur – 31T Pinion Only**
- **ESC (Speed Controls): Traxxas XL-5 ESC**
- **Transmitter/Receiver: May be replaced.**
- **Batteries: 5200mAh 50C 2S 7.4v LiPo maximum**
 - **Battery must be mounted in the stock center tray location. Any plug may be used for the battery to ESC connection. However, direct soldering to the battery will not be allowed**

- **Body: Any 1/10 Stockcar Sportsman Body and must cover wheels.**

STOCK SHORT COURSE

STOCK SHORT COURSE

- **Chassis: 2wd Mass Production Short Course Truck**
Rear Motor or Mid Motor
Minimum Ride Height: .750" (including body).
May use RPM parts for durability
Weight: 2 ounce maximum, 1/2 ounce on suspension.
The ESC, transponder, and receiver can be mounted anywhere in the main chassis plate area only.
- **Shocks & Springs: Any Short Course tuning spring will be allowed.**
Springs may not be cut or altered from factory in any way. Aluminum shock caps (any color) are allowed. The shock oil or shock travel/length will not be mandated. 2-stage pistons or any modification to the shock piston to tune the compression and rebound separately will not be allowed.
- **Tires: Stock / Street Short Course Tires**
- **No adjustable rear arms**
- **Motor: 17.5T Brushless, 12 Turn Titan or Traxxas BL2**
ESC (Speed Controls): Must be in blinky mode
Transmitter/Receiver: May be replaced. • Batteries: 2S 7.4v LiPo maximum
Battery must be mounted in the stock center tray location but can be moved forward or back as long as it stays within the stock boundaries of the battery tray. Any plug may be used for the battery to ESC connection. However, direct soldering to the battery will not be allowed
Body: Traxxas, Arrma, Team Associated, or Losi Short Course Designed Truck Body.

STREET STOCK

STREET STOCK-- 2WD Slash Street Stock Class Updated 8/17/25

Must be a street stock car type body. Must cover tires, those removing windows must run decking. No drag car bodies. Can be multi piece body (i.e. Shark Cide Blue or MR Kustoms offerings). 1" rear spoiler allowed, no wider than body. End plates allowed max 1-3/8" height with 2-3/4" length.

No Slash Modified parts, no drag arms.

This class was designed to keep it simple and cheap, but yet provide some fun and exciting Short Course Racing!!!

Must use stock Traxxas Slash 2wd chassis and components, unmodified, unless otherwise specified. No modifying, replacing, or removing any components unless otherwise specified.

All suspension components must be installed in the proper position and orientation on the car from the factory (EXAMPLE: Left caster block on the left; right block on the right, suspension arms right side up, etc.). This includes wheel spacers (gray/black) in their respect factory locations only.

Slipper must be standard configuration, no slipper eliminator allowed.

Any color Traxxas Slash aluminum steering bell cranks (#3743), caster blocks (#3632), steering blocks (#3636), camber links, and rear axle carriers (#3652) are allowed

RPM rear carriers (#80382), front steering blocks (#80372), caster blocks (#80712), and front (#80952, #80953, #80955) & rear (#81002, #81003, #81005) bumpers will be allowed. The "hoop" and "ears" on the front bumper may be cut off, however, the main area of the bumper must remain intact (unless you are running a body manufactures front body mount/bumper.

Transmitter/Receiver and servo may be replaced. (Servo saver will also not be a tech item) Traxxas Aluminum Steering Bellcranks (3743A and 3743X)

Locking or modifying the differential in any way will not be allowed. The differential must have normal diff action when rotating one rear tire against the normal compression (resistance) of the motor. No ball diffs.

NO SWAY BARS

No additional weight may be added. The ESC, transponder, and receiver can be mounted anywhere in the main chassis plate area only.

Minimum Ride Height: .750" (including body).

Motor, ESC, & Battery:

Must use the stock XL-5 ESC(unaltered) & unaltered Titan 12t 550 brushed motor. Tuning, tweaking, or modifying the motor in any way will not be allowed. The stock (bullet) connectors from the motor to the ESC must also be used. Soldering the connectors together is not allowed.

No cooling fans on the motor or esc.

Effective 1/1/2026, the BL2 Traxxas motor and speed control will be allowed in this class.

Battery: OPEN Battery. Max charge of 8.44v and hard case only, no shortys.

Battery must be mounted in the stock center tray location, but can be moved forward or back as long as it stays within the stock boundaries of the battery tray. Any plug may be used for the battery to ESC connection. However, direct soldering to the battery will not be allowed.

Tires, Wheels, & Inserts:

Any Stock Traxxas premount 2wd Slash Wheel and Tire is Allowed

Choice of: Slash Spec, Kumho Venture, and BF Goodrich treads. The new Traxxas Modified tire is allowed in this class at this time.

NOTE- as of 9/20/25, we will be moving the tire spec to a treaded street tire similar to or equal to Duratrax Bandito SC-M C3 or C2 , Duratrax Bandito SC C3 or C2 and/or the Duratrax Upshots or ProLine Hot Lap tires.

All above can be run.

Front wheels must be on the front and rear wheels on the rears.

19mm offset Front

21.5mm offset rear.

Gluing or taping the outside of the tire to help prevent traction rolling will be allowed. One foam insert per tire only.

Shocks & Springs:

Any Slash tuning spring by Traxxas will be allowed. Springs may not be cut or altered from factory in any way. Aluminum shock caps (any color) are allowed. The shock oil or shock travel/length will not be mandated. 2-stage pistons or any modification to the shock piston to tune the compression and rebound separately will not be allowed.

If it doesn't state that you can use or do it to the car it's NOT ALLOWED!

-Traxxas LCG chassis kit is legal.

-RPM Transmission case is NOT allowed

-Approved part list: RPM-80712, 80832, 80852, 81002, 81003, 81005, 80902, 80905, 80372, 80382, 80244, 80249, 80599, 73752, 80592, 80595, 80594

-All Brands of Aluminum shock caps that fit on the stock shocks STRC-ST3640S, ST3640BK.

-All parts that Traxxas make for the 2wd electric slash are allowed.

CLASSICS STOCK BREAK OUT

Classics stock break out is for 2WD trucks similar to the Slash with a maximum lap time applied as stated on day of racing. Those laps exceeding the maximum do not count for the driver.

Must be a Parma old muscle car body. Must cover tires. No drag car bodies.

No additional weight may be added. The ESC, transponder, and receiver can be mounted anywhere in the main chassis plate area only.

Radio must be at 100% throttle, aftermarket radios allowed, but must be at 100 %.

Minimum Ride Height: .750" (including body).

Battery: OPEN Battery. Max charge of 8.44v and hard case only, no shortys.

Tires, Wheels, & Inserts:

Treaded street tires preferred.

SHORT COURSE MODIFIED

- Any 2WD Short Course Truck, chassis and suspension must remain stock, shocks must be stock, springs and oil may be changed.
- Original factory toe blocks, adjustable A-arms are legal.
- Chassis- Original Factory mounting holes locations only, no drilling additional holes for shocks, A-Arms ect.
- Must have SC MODIFIED STYLE KEEPING ALL DIMENSIONS CLOSE TO MAKERS LIKE SHARK, SIPPLE, BODIES BY ED, ETC.
- MAX 1-1/2" REAR SPOILER MOUNTED ON BACK OF BODY. with maximum 2" tall end plates. Max length of side plates 3-1/4". And third sail plate will be allowed.
- Only Pro-Line Street Fighter, Dynamite Robber tires, and Duratrax bandito, Dynamite Upshot, DE Non-Grooved, Proline HotLap in Clay or Super Soft compound or others as approved by RD.
- Any Short Course rim.
- 17.5 brushless or 12 turn Titan/BL2
- Aftermarket ESC must be in "blinky" sportsman mode, no timing advance
- No drift ESC's, No Gyro's No AVC systems
Speed controls should be of a brand that allows a "stock" or "sportman" profile setting that gives a visual "blinky" indicator to allow easy confirmation. If your ESC does not have a "blinky" mode to show it is in a stock or sportsman setting, please notify the race director with proof and an exception may be allowed. Clarified 1/9/2016
- Battery shall be 2C Lipo hard case.
- No metal bumpers or body parts allowed

- Battery must be placed in stock location
Slipper Eliminators are allowed
- Mid or Rear motor chassis configuration allowed for club racing.

LOSI SPRINT

Losi Sprint

Only Losi or Proline specific replacement options are allowed at this time.

Must run factory radio and must use 4000MAH, 30C factory battery.

TRAXXAS MODIFIED

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Must remain factory stock with the exception that DE Racing tires are allowed, any spring listed in the owners manual (including GTR) and alternate radio/receiver is NOT allowed. Updated 6/12/25

TRAXXAS SPEC LATE MODEL

TRAXXAS LATE MODEL

Must remain factory stock with the exception that DE Racing tires are allowed, any spring listed in the owners manual (including GTR) and alternate radio/receiver is NOT allowed. ADDED 8/17/25

CARPET OVAL/ROAD COURSE RULES

ALL-

All classes

- Brushless Speed controls should be of a brand that allows a “stock” or “sportman” or “0 timing” profile setting that gives a visual “blinky” indicator to allow easy confirmation. If your ESC does not have a “blinky” mode to show it is in a stock or sportsman setting, please notify the race director with proof and an exception may be allowed.
- The only tire traction / cleaner allowed will be, Trinity sticky fingers, SXT, JDUB, and or Motor Spray that HTO sells.
- Tires must be wiped clean before scrubbed in on track
- No oil based tire traction / cleaner / NO WD-40
- No softening of tires at track or at home with non-approved tire tractions
- No tire warmers of any kind

CARPET ROAD COURSE AND OVAL RULES-

General Track Rules apply

- VTA
- US VTA rules apply except no interior/driver needed for club racing, link added 9/9/16
- Weight enforced

USVTA Class Rules

- US GT
- US GT rules apply that as published, link added 9/9/16

GT National Class Rules

- 1380 gram weight

Other Oval race notes-

Vintage Pancar

- Chassis: RJ SPEED LTO or equivalent bolink or pre 3 shock design /vintage cars
- No Dynamic / pivoting front ends. (must be fixed / block style)
- Body: Any Oval Closed Wheel car body cut at the lines (roof 4.375" min 105 grams min) No additional wings or side dams, body must be as molded, with rear bumper

RJ Speed / Bolink Legends

RJ Speed Legend Kit

Any electronics

Buggy Breakout

Any Buggy Chassis

SR10, ect

Tour Pancar Classes see *Tour Rules*

See Facebook [HTO Carpet Oval Racers](#) for more information.

SR10 Box Stock Class

LOSI NASCAR

(Abox stock spec class based on Losi's Nascar Grom

Stock radio

ESC- stock Losi 2 in 1 ESC/Receiver

Motor- Stock brushed motor

Battery- Any 2S Liop with max 1800 MAH and 35C with external connector

Body- Losi Nascar body

Tires- Stock Medium compound Losi Nascar tires, NO glueing of tire tread or sidewall

Suspension- Stock kit shocks and springs, shock oils can be changed

Sero- stock kit servo

NO OPTION PARTS may be used, only stock parts originally included by Losi