



Sunny Speedway Rules Package

Facility Directors: DieHard RC is privately owned and operated by Brenda and Brett Wilson. If you have any needs while at the facility, they will happily assist you.

Race Director: The Race Director will have ultimate authority over rules enforcement. The primary basis for any rule's decision must be based on what will be best for the majority of racers. If an item is not addressed in the rules listed here, then you should assume it is not legal. Please talk to him if there are any issues, or concerns.

Competition Director: The Competition Director will work directly with the Race Director to enforce rules by organizing tech inspections. The Race and Competition Directors may allow variance to rules below if they see fit and in competitive fairness, with intent to keep things fun and growing.

Track Director: The Track Director will schedule work on the track surface during the race night.

Below are Race day Track rules:

- All qualifiers and mains will be 4 minutes in length.
- All drivers must turn marshal the race immediately following their race. If you cannot corner please find a replacement.
- Race director or announcer will stop the show at any point if corner marshals don't show.
- Turn marshals will use the supplied leaf blowers to push any dust and debris on the racing to the top of the track.
- Turn marshals should not work on or repair cars during a race. Minor issues like popping on a ball cup for a steering link are okay.
- Any cars damaged and placed in the infield will remain there until that race is over.
- All cars must enter and exit the racing surface via the pit lane at all times.
- All cars will be made available for tech inspection before and after race when required by the Race or Competition Director.
- Once a car has gone through pre-race tech it must go directly to track and not back to pit area.
- All Race cars **MUST** have Visible Numbers.
- All racers must have a personal transponder. Transponder issues are the driver's responsibility; if you do not have a transponder, you will not be scored that run. Absolutely no hand counting as it is unfair to other racers.
- Race Director can deny any racer at his digression to protect others, DieHard RC and the program.

Approved Spec Tire List

Proline

- 1/10 Hoosier Super Chain Link 2WD Front 2.2" Dirt Oval Tires (Fits standard 2.2 wheels)
- 1/10 Hoosier Angle Block Rear 2.2" Dirt Oval Tires (Fits standard 2.2 wheels)
- 1/10 Slide Job 2.2 2WD Buggy Front Tire (Fits standard 2.2 wheels)
- 1/10 Slide Job 2.2 Buggy Rear Tire (Fits standard 2.2 wheels)
- 1/10 Hot Lap Dirt Oval 2.2" 2WD Front Buggy Tires
- 1/10 Hot Lap Dirt Oval 2.2" Rear Buggy Tires

JConcepts

- 1/10 Sprinter 2.2 - 2wd Buggy Front Tire (Fits standard 2.2 wheels)
- 1/10 Sprinter 2.2 - Buggy Rear Tire (Fits standard 2.2 wheels)

DE Racing

- 1/10 Outlaw Sprint Front Tires (Requires DE Racing 1/10 Gambler Front Wheels)
- 1/10 Regulator Late Model Dirt Oval Front Tires (Requires DE Racing 1/10 Gambler Front Wheels)
- 1/10 Regulator Late Model Rear Tires (Requires DE Racing 1/10 Gambler Rear Wheels for Late Model)
- 1/10 Mini G6T Modified Street Stock Front tires (Requires DE Racing 1/10 Gambler Front Wheels for Late Model)
- 1/10 Mini G6T Modified Street Stock Rear tires (Requires DE Racing 1/10 Gambler Rear Wheels for Late Model)
- 1/10 Phenom 2.2 Buggy Front Tires (Fits standard 2.2 wheels)
- 1/10 Phenom 2.2 Buggy Rear Tires (Fits standard 2.2 wheels)

Reference: DODC Rules can be found at www.dirtoval.com/Rules, any other questions should be presented to the race director.

Classes: Classes with an (*) will be offered during daytime races when 5 or more sign up. During night time races, classes with an (*) may be considered if more than 5 sign up. This decision is made by the race director.

Rookie Oval:

This class is for our beginner dirt oval racers and youngsters. 1/10 scale cars and Trucks allowed, No Nitro or 1/8 scale cars allowed. Participants may be asked to move up into another class if race director determines that they should. This decision is made by the race and competition director after reviewing performance and skill level.

Street Stock/SR10:

This class will allow a mixture of 2WD Buggy Street stocks and SR10's. The following rules will be put in place for fair and competitive reasons. **If it is not in the rules, it is probably not legal.** Transmitter and receiver can be changed from factory issued to driver's preference.

Chassis:

- Any 2WD Buggy (Example: Associated B series or TLR) or SR10, no 4WD buggies with the front drive disabled. No Purpose-built chassis.

Motors:

- RTR sr10 reedy 3300Kv motor with fixed spec gearing (to be determined), or
- Any ROAR approved 17.5T Stock motor.

ESC:

- Any ESC in "Blinky" Mode

Tires:

- Tires can be changed to the approved Spec tires off the Spec Tire list. (See Approved SPEC Tires List)

Bodies:

- Any 1/10 scale Street Stock body(max of 10" wide).
- Body must have all 4 fenders and include front and rear bumpers.
- Body must be cut to trim lines; No cutting out of the back above bottom of bumper, fender wells can be cut for tire clearance.
- No additional wings, flaps, wickers, vents, or air devices allowed (no added holes)
- You may have a total of 1" spoiler measured from the rear deck lid. Spoiler may not be wider than the stock molded spoiler.
- Decking is not allowed, must have all windows and no cut outs of any window.

Battery:

- Any 2S LiPo Hardcase Battery.
- Battery must stay in factory location.

Suspension:

- Must have buggy shock's (No touring car size shocks)
- NO Rear adjustable arms.

Slash Super Stock:

This class was designed and established to run a common set of rules around the country with minimal changes. This class is for the intermediate and above racers, it will be a fun class to run.

This class is a Traxxas 2wd Slash based platform with minimal changes. If the rules do not specifically say you are **ALLOWED** to do something, then you are **NOT ALLOWED** to do it.

Chassis:

- Traxxas 2wd Slash stock/OEM chassis or LCG chassis are allowed. NO EXCEPTIONS
- Full rear bumper must be used (RPM Option is allowed)
- RPM upgrades allowed.
 - RPM Front Caster Blocks
 - RPM Front Bearing Carriers
 - RPM Rear Bearing Carrier/Hubs
 - RPM Rear bumper

Transmission:

- Transmission **MUST** remain stock.
- RPM Transmission case is **NOT** allowed.
- Stock 90T spur gear **MUST** be used.
- Pinion gears allowed: **16T through 23T**
- Adjustable rear arms are **NOT** allowed.
- Shock components are only allowed in original locations.
- Stock Slash shock **MUST** be used
 - Grey/Gray or Black versions are **BOTH** allowed.
- Aluminum parts, other than shock caps, are **NOT** allowed.
- Shock Springs **MUST** remain Stock.
- Allowable chassis adjustment.
 - Camber
 - Front Toe (in/out)
 - Ride Height
 - Shock oil
 - Shock pistons
 - Shock locations
 - Battery location within the stock chassis location (Front/Back)

Electronics:

- **Traxxas Brushless and brushed system allowed**
- Traxxas 2wd Slash stock receiver **IS** allowed to be swapped out to accommodate an individual racers radio system.
- Any 1/10 scale servo will be allowed, but stock plastic servo horns **MUST** be used.
- Traxxas TITAN 12T 550 Brushed motor, #TRA3785.
- Any Full Sized 2S Hard Case battery.
- Traxxas BL2S ESC/Motor Model# 3382

Body:

- Any full-bodied stock car made specifically for the Short Course sized platform,
- Examples: Shark RC Bodies, ODD Design (McAllister Racing.)
- Body **MUST** have visible numbers for announcing purposes.
- Spoilers no more than 1.5in from the deck lid.
- **NO** Side dams allowed
- No Decking allowed, **ALL** windows **MUST** be present
- Rear of the body must be intact to manufacturers cut lines. If no cut lines present material must be added for “real Street Stock look” rear of the racecar.

Tires:

- Allowable tires and wheels:
 - Stock/OEM Traxxas Slash kit tires/Wheels
 - DURATRAX SpeedTreads, (Pre-mount only)
 - DURATRAX SpeedTreads Upshot
 - DURATRAX SpeedTreads Robbers
 - Proline Racing Hot Lap Short Course Tires
 - Proline Hoosier G60 Short Course Tires
 - Traxxas Off-Set wheels Only.

360 Sprint Car (Sporty Sprint):

This class is the stepping stone to the Outlaw sprint class, this class is very fun and highly competitive. It's an open wheel class which requires close quarter racing with other open wheel cars. This class is a sort of “Spec Class” for sprint cars with motor limits, ESC limits and tire rules. Below are the rules for this class, which most of the rules comply with the **DODC** rules package.

- 13.5t ROAR approved brushless motor limit.
- ESC Must be in Blinky mode
- Any hard case 2s Lipo battery
- Tires must be from the approved Spec tires list.(See Approved SPEC Tires List)
- Any 1/10 scale electric sprint car platform
- 1/10 scale buggy conversions, and propose built chassis are allowed
- Offset chassis are allowed
- Must have scale appearing cage, hood, side panels, Fuel tank, nerf bars, headers, and front and rear bumpers.
- Body/cage must be mounted down the centerline of the chassis.
- Body must have a visible number for announcing purposes
- Nothing can be attached to the nerf bars to create aero.
- Chassis must not extend past the body/cage by more than 1/4”
- Side panels must have appropriate openings on both sides to maintain scale look.
- Side panels should not extend past the top of the hood at any point.
- Additional material may be added to either side of the driver's cockpit area to replicate a scale driver but decal or image of driver must be present.

- 7" X 7" Top wing, wing must be made from 3 separate pieces of Lexan, all corners must be rounded for safety.
- Top wing minimum height at leading edge is 5" from bottom of chassis plate. See DODC attachment below
- Top wing must have 2 Braces to hold the panel at a 90 deg angle to the center section during race conditions. See DODC attachment below
- Wing must be centered on the cage
- Front wing max 4.5" wide X 3" long (front wing is optional) see DODC attachment for details.
- Front wing must not extend forward of the front bumper.

410 Sprint (Outlaw or Open Sprint):

Typically this class is the fastest class on any track around, here is no different. This class is for experienced drivers who can navigate a fast shifty open wheel car with others in a highly competitive and ever growing and evolving class. This class will adhere to mainly the same rules as the above Sportsman Sprint Car rules except for the motor, ESC, and tire limits. Below are the rules we run, we also comply with the DODC www.dirtoval.com rules package.

- Any ROAR approved modified motor.
 - Any 1/10 scale ESC in any mode.
 - Any hard case 2s lipo battery.
 - Any 1/10 buggy type rubber tire(no large pins).
 - All body, Wing and chassis rules are same as above Sportsman Sprint Car class and the DODC Rules package.
- See DODC attachment below.

SPRINT WINGS: BUGGY TIRE

- ALL DIMENSIONS ARE MAXIMUM UNLESS NOTED.

UPDATED 10/1/2019

MAIN WING DECK:

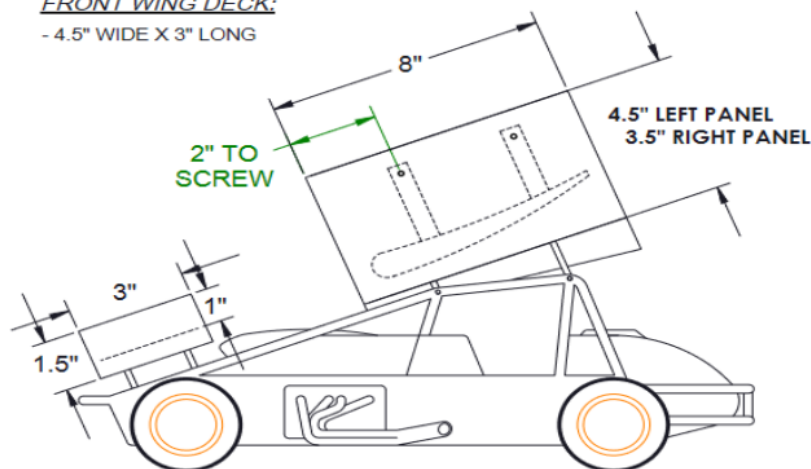
- MAX 7" X 7" SQUARE
- PLUS 1/2" MAX REAR SPOILER

SIDE PANELS:

- SIDE PANELS MUST BE MOUNTED WITH A MINIMUM OF 1/2" ABOVE AND BELOW THE TOP OF WING CENTER SECTION ON EACH SIDE OF THE WING.
- LEFT SIDE PANELS ARE 90 DEG AT ALL 4 CORNERS AND ON SAME PLANE.
- RIGHT SIDE PANELS MUST BE 90 DEG AT THE TOP 2 CORNERS. ALL 4 CORNERS ON THE SAME PLANE.

FRONT WING DECK:

- 4.5" WIDE X 3" LONG



Classes with an (*) will be offered during daytime races when 5 or more sign up. During night time races, classes with an (*) may be considered if more than 5 sign up. This decision is made by the race director.

***SC Modified (SC MOD):**

The Short Course Modified Class is a fun class for the intermediate to expert racers. This class is a very competitive class with fun cars. The below rules apply to this class.

- Any 1/10 scale Short Course Truck chassis
- 2s Hard case Lipo
- Any ESC
- Any Motor, 1/10 scale KV Motors allowed
- Any Short Course Truck tires(no Big Pins)
- SC Mod Body is required for this class
- Body must have a visible number for announcing purposes
- Rear spoiler no wider than the body, 3" max from decking

***1/10 2wd Open Latemodel (Open LM):**

This class is for the more experienced dirt oval racers, these cars are fast and maneuverable and very competitive. These cars are 2wd(rear) buggy style platforms. These cars can be converted buggies, or purpose built chassis. We run the following rules package below.

- 1/10 2wd(rear) buggy based conversions or purpose built chassis
- Offset chassis allowed
- Adjustable rear arms allowed
- Any hard case 2s Lipo battery
- Any 1/10 ESC in any mode
- Any Roar approved 1/10 scale modified motor
- Any 10" wide Latemodel body. Examples, Protoform Nor'easter, McAllister Fairbury, MR Kustoms RealDeal, Truform race products Kamikazeee.
- Body decking is allowed
- Body must have a visible number for announcing purposes
- Rear Spoiler max 2.5" above rear decklid. Spoiler end caps allowed but must not extend beyond spoiler.

- All wheels and tires must remain within the body.
- No Side dams allowed
- Any 1/10 buggy type rubber tire(no large pins)

***Wingless Sprint Car:** Wingless sprint cars are very fun, they take a little more tuning to make them fast and get around the track without help from wings and such. Below is the rules we will be running for this class.

- 13.5t ROAR approved brushless motor limit.
- ESC Must be in Blinky mode
- Any hard case 2s Lipo battery
- Tires must be **DE Outlaw Sprint** front and rear (will require DE Gambler wheels).
- Any 1/10 scale electric sprint car platform
- 1/10 scale buggy conversions, and propose built chassis are allowed
- Offset chassis are allowed
- Must have scale appearing cage, hood, side panels, Fuel tank, nerf bars, headers, and front and rear bumpers.
- Visor must not extend more than 1" down the front side of the downtubes of the cage.
- Body/cage must be mounted down the centerline of the chassis.
- Body must have a visible number for announcing purposes
- Nothing can be attached to the nerf bars to create aero.
- Chassis must not extend past the body/cage by more than 1/4"
- Side panels must have appropriate openings on both sides to maintain scale look.
- Side panels should not extend past the top of the hood at any point.
- Additional material may be added to either side of the driver's cockpit area to replicate a scale driver but decal or image of driver must be present.
- All body, and chassis rules not specified will adhere to the DODC Rules package.

***1/8 Nitro Latemodel (1/8 Nitro LM):**

This class is for the more experienced racers. These cars are big heavy and very fast. They are 1/8 scale based 4wd Nitro powered cars. The following rules listed are what we run at our track.

- 1/8 scale production based 4wd buggy drivetrain
- Any and all parts must be flush or inside the tread width.
- All Chassis and tires must remain inside the body
- No metal or carbon fiber front bumpers
- Must have a foam front bumper
- Must be a .21 or RTR .28 with a pull start attached.
- All Nitro engines must have a carb return device.
- Bodies must cover all 4 tires

- Body must have a visible number for announcing purposes
- Side dams allowed on left side of car only.
- Leading edge of side dam must be at least 4" from center of left front spindle with the wheels straight.
- Side dam can be 5" tall from the deck at its highest point and cannot extend past the rear spoiler.
- Side dam must have 2 supports at least 8" apart.
- Rear spoiler can be no taller than 3" from the top of the deck and only as wide as the body.
- All wheels and tires must be 17mm foam tires or any street tread type rubber tires.

***1/8 Electric Latemodel (1/8 Electric LM):**

This class is for the experienced racers like the above Nitro version. Again these cars are big, heavy and very fast. These cars are the same as above except they run on Lipo batteries. The rules for this class are the same except the following rules listed below.

- Any 2250kv or less brushless motor with 4s hard case Lipo batteries
- Any 2650kv or less brushless motor with 3s hard case Lipo batteries
- Same body, side dam, rear spoiler, and tires as the 1/8 scale nitro rules
- Body must have a visible number for announcing purposes

***Dirt Midget Rules**

*****Spec Tire for Midget class Quasi Speed Tire*****

Part#: QS-1601

Part#: QS-1602

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 9.5" 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, head and oil tank 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 can not 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 the can not stick past the cage sides.