

2026 “R.O.R.C” Dirt Oval Rule Book

LEGAL NOTICE:

ROSEBURG OUTLAW R/C CLUB- DIRT OVAL “RESERVES THE RIGHT TO REFUSE SERVICE TO ANYONE”

We are a privately run Race track operating at a privately owned facility. If we feel a racer and his/her actions are detrimental to our sport and racing community, we can and will refuse race entry and participation.

*** Final decisions regarding rules interpretation are solely at the discretion of the R.O.R.C RULES COMMITTEE ***

GENERAL RULES

RACE FORMAT:

Race format is at the discretion of the race director. Generally we will use the following format.

QUALIFYING:

Each racer will participate in a qualifying session. The length of the session may vary depending on the number of racers. Racers in the class will be divided into roughly equal numbers. Minimum of three and a maximum of five per qualifying session. Racers will be seeded into the main events by fastest 3 consecutive laps.

MAIN EVENTS:

All classes will run a minimum of two main events. The 1/10 scale classes will have a maximum of eight in a main event, 1/8 scale classes will have a maximum of six in a main event. If B mains or last chance qualifiers are necessary, Six 1/10 racers or four 1/8 racers will automatically be in the A main. **Remaining racers will race two 40 lap B mains provided there are more than three racers, other wise it is a 25 lap main.** The top two finishers in the B mains transfer to the A main.

Final results are calculated by points. 1 for first 2 for second and so forth. Low score wins. Tie breakers are best finish (1-3 beats 2-2) then best laps/time.

MAIN EVENT GRID LINEUP:

All main events will be lined up according to qualifying position. Lower main transfer drivers will start in the back 2 spots. If a racer cannot make the call for a Main Event, his/her position will be left open, and they will receive the last place points for the main event they

were scheduled to race in. There will be no alternates, and we will start in missing man formation. The racer earned that spot, and will not lose it.

TRACK PROCEDURES:

During practice there will be no driving from the outside edges of track or of putting cars on the track at that part of the track. Drivers should be on the driver stand during practice so that they can call out their car stuck on the track and to hear other drivers as we call out their car. PLEASE FOLLOW THIS RULE.

Turn marshal may not work in or repair cars. All cars must enter and exit the racing surface via the pit lane or **designated on/off AREA at all times.** Any cars damaged and placed in the infield will remain there until the race is over. All drivers must turn marshal the race immediately following their race. If you race back to back heats it is your responsibility to find a substitute marshal. All cars will be made available for tech inspection before and after each race. Once a car has gone through tech before the race it must go directly to the track and not to the pit area. All cars must have a personal transponder, or it will not be scored.

SCORING ISSUES:

In the event that laps may have been missed by the scoring system, please let the race director know IMMEDIATELY after the race in question. The race director, will investigate the situation. It is a judgement call for the race director, based on several factors, including but not limited to: if the system has been having issues or not, and if the race director witnessed the missed laps. If the race director does not witness missed laps first hand, the only other method to be awarded all appropriate laps is to have video evidence of the race to verify lap totals/timing. It is the racers responsibility to have transponders in perfect working order. The race director will do everything possible to ensure proper scoring in any event, but a non-scoring transponder is not the race director's fault.

R.O.R.C. RC RULE BOOK DISCLAIMER:

R.O.R.C rules are based on the DODC rules for 10th scale classes.

<http://www.dirtoval.com/>. There are a few minor additions to the rule books, and these additions are to help adapt the rules to our race program. If the rule book does not specifically say you can do something, either assume that you cannot, or ask an official for a clarification or legality of what you would like to do. Any attempt to cheat the rules or to do anything that is not within the "Spirit of the Rules" may be deemed illegal at any time. No silicone capped or rubber capped tires are legal for competition in any class.

TIRE ADDITIVES AND WARMERS:

WD40 IS THE ONLY ADDITIVE WE ALLOW. All tires MUST be wiped clean prior to being set on the track. If your car leaves obvious tire marks on the track you may be DQ. Normal degreaser/cleaners are allowed. Aka simple green... etc...

BATTERY CHARGING

Batteries must be charged at a maximum of 2C. For instance a 4000mah battery can be charged at 8 amps and 5000mah can be charged at 10 amps.

Batteries should be charged to no higher voltage than 4.20 volts per cell. This includes so called Lihv batteries.

It is recommended that batteries be removed from cars and charge bags be used to charge all batteries.

ALL CLASSES:

- All vehicles entered as a 2wd class must be rear wheel drive only.
- All cars must have a front bumper that is made of a shock absorbing material e.g. nylon, Delrin, plastic, etc.
- Front bumpers must be mounted in such a way that they will contact an object prior to any other portion of the car in a front impact. (for turn marshal safety)
- All cars must have 4 wheel independent suspension.
- All cars must have single speed transmission ONLY, **no direct drive cars**.
- All Mod bodies, sprint car bodies and cages must resemble contemporary full cars racing in the "World of Outlaws" and "Dirt" sanctioned events.
- All corners of bodies and wings must be rounded or cut at a 45 degree for safety.
- All classes have a wheelbase of a minimum, maximum or both rule. (Check under vehicle class rules)
- **SOME CLASSES WILL HAVE MOTOR & TIRE RULES.**

WEIGHT RULES

- 13.5/Mod Sprint Car: Minimum Weight 56 oz-1588 grams (race ready)
- Wingless Sprint Car: Minimum Weight 53oz-1530 grams (race ready)
- SC Modified: Minimum Weight 93oz-2637 grams (race ready)

Spec Tire List

Street Stock, 360 Sprint, Midwest Modified, Midget

DE brand tires that use DE Racing Gambler Late Model (1.7/2.2) wheels in any compound.

1. DE Regulators DER-RLF1-D3, DER-RLF1-D4, DER-RLR1-D3, DER-RLR1-D4
2. DE Minig6Ts DER-G6F-C1, DER-G6F-D30, DER-G6F-D40, DER-G6R-C1, DER-G6R-D30, DER-G6R-D40
3. DE Outlaw Sprint (front tires only) DER-OSF1-D4, DER-OSF2-C1, DER-OSF2-D3

Short Course Modified

1. DE Racing oval SC tires, DER-G6T-C1, DER-G6T-D30, DER-G6T-D40, DER-G6G-D30, DER-G6GD40

410 "OPEN" SPRINT (Not currently ran.)

- Any ROAR APPROVED 540 brushless motor (No KV equivalent motors allowed)
- Any ESC may be used in any mode (Blinky or Open Timing)
- Any ROAR APPROVED 2 cell LiPo hard case battery max charge: @ 2C RATE.
- EXAMPLE 5000MAH = 10 AMP, 4800MAH = 9.6 AMP

360 "SPEC" WINGED SPRINT

- Any ROAR APPROVED 13.5 turn, sensored brushless motor.
- Any ROAR APPROVED ESC must be run in Blinky mode only (PROOF) ·Any ROAR APPROVED 2 cell LiPo hard case battery max charge: @ 2C RATE.
- Tires for club racing are any DE RACING TIRES FOR GAMBLER WHEELS.
(SEE SPEC TIRE LIST ABOVE)

10.5 MWM; (CAN BE PURPOSE BUILT OR BUGGY BASED) (Not currently ran.)

- Any ROAR APPROVED 10.5 brushless motor (No KV equivalent motors allowed)
- Any ROAR APPROVED ESC must be run in blinky mode only. (PROOF) ·Any ROAR APPROVED 2 cell LiPo hard case battery max charge: @ 2C RATE.
- Tires for club racing are any DE RACING TIRES FOR GAMBLER WHEELS.
(SEE SPEC TIRE LIST ABOVE)

OPEN LATE MODEL

- Any ROAR APPROVED brushless motor (No KV equivalent motors allowed) current exception for Spektrum Firma 3650 3300 kv.
- Any ROAR APPROVED ESC may be used in any mode (Blinky or Open Timing)
- Any ROAR APPROVED 2 cell LiPo hard case battery max charge: @ 2C RATE.
- OPEN TIRES. ANY BUGGY BASED RUBBER TIRE: 2.0, 2.2, 2.4 ETC...

MIDGET

See attached Dirt Midget Rules

RORC will follow any changes to the national rules for this class.

·RORC Spec tires

Street Stock

- 2wd Buggy based cars.
- Chassis must remain stock.
- OEM option parts designed for the specific car are allowed
- Aftermarket parts designed for the specific car are allowed as long as they don't change the suspension geometry. (for example MWM or sprint shock towers.)
- Any spring from any manufacturer is allowed
- Spring/shock spacers are allowed.
- Adjustable rear A arms are not allowed.

Right rear toe can be no more than 0 degrees. In other words, no toe out.

- Approved bodies are
 - Custom Works - Part #9075
 - J Concepts - Part #0395, #0422L
 - McCallister Racing - Part# 125, 134, 136, 181, 182, 264, 268, 290, 292, 303, 306, 313, 321, 327
 - MR/Kustoms - Part #18SS1W, 17SSPW, 18SS1S, 17SSPS, KlaSSsh-23-KlaSShFAB, 23-KlaSShMC, 23-KlaSShWagon, KlaSSIK-23-KlaSSiKFAB, 23-KlaSSiKMC, 23-KlaSSiKWagon
 - Shark RC Bodies - Part #001 - Hammerhead, #002 - Outcast, #003 - Wildcard, #004 - Dawg Pound, #005-Crazy Train, #006 - Shark Attack, #007 - Shark Mafia, #008 Shark Knockout, #009 Shark Ninja, #010 Smoke Screen, Tiger Shark, Land Shark, Bull Shark, Reef Shark and Shockwave.
- Side windows must be intact. All bodies can be decked and front and rear windows removed.
- Body must include rear bumper
- Max 1" Spoiler measured from the deck. No end caps allowed.
- Minimum Weight 56 oz-1588 grams (race ready). All additional weight must be securely fastened within the confines of the chassis. (No arm weights)

If there is a body in production that you feel needs to be on this list, please advise the rules committee and we will determine if it fits with the theme of the type of racing we are trying to model ie: Saturday night local dirt track racing.

- 5000mah amp battery max** shorty packs are ok.
- 17.5T HobbyWing Justock fixed timing motor.
- ESC and motor wires must be** stock size for your ESC up to 13 AWG.

·Spec gear ratio must be above 6.20 to 1

DE RACING TIRES FOR GAMBLER WHEELS.

(SEE SPEC TIRE LIST ABOVE)

Traxxas Ready to Run+

- Traxxas RTR Modified BL-2s, Late Model BL-2s, Slash 2WD BL-2s or Slash 2wd BL-2s kit. Conversions from older cars could also be legal, see the rules committee for any help with that.
- 86 tooth spur
- BL-2s ESC and Motor or Traxxas XL-5 ESC and 12T Titan motor
- Stock Traxxas tire P/N 10470x, DE Spec Tires, or Slash tires P/Ns 5871, 6871 or 6870 including the R versions.
- Stock Traxxas Modified Body, Stock Traxxas Late Model body, any 1/8 scale Late Model body, any Street Stock body for SC size cars. Street Stock bodies may be decked with open front windows. (Note, to differentiate this class from SC Mods, we are encouraging racers to not run a modified body. When it's time to replace it, use a stock car or late model. We will also grandfather in any currently used aftermarket modified bodies.
- Slash kits and RTRs may be upgraded with any parts from the Traxxas Modified or Late Models. This includes the LCG chassis.
- Drivers may change shock and diff oils.
- Drivers may use any Traxxas brand springs.
- Shocks must be attached to arms and towers at stock locations.
- No adjustable rear arms.

SHORT COURSE MODIFIED

- Any 2wd Short Course truck based chassis
- Rear or Mid motor will be allowed
- Mandatory that all Batteries must run down the center line of the vehicle
- No off set chassis/batteries/suspension
- Wheel base 12.75" to 13.50"
- Width 11.00" to 11.75"

SC MOD BODY

- Must look like USMTS, UMO, or IMCA dirt modified.
- Body must cover both rear wheels, but must expose the entire tire, No skirting/shielding of the rear tire
- Front wheels must remain completely open and visible.
- Max body dimensions: Width 13" Height 8"
- Max overall length of body including spoiler 26.50".
- All bodies must have a number on the roof and on both drivers and passenger side door.

BUMPERS

- Rear bumpers re required

- Front bumper is highly recommended. If no bumper is used, then the front nose must not be a sharp or pointy object and must be able to absorb contact.
- You are able to fabricate your own body if you'd like but let's stay within the spirit of realistic looking bodies without crazy aero.

FRONT SPOILERS & WINGS

- Front nose may have dams on L & R or any single side .400" high .250 kick in any angle .650" Max Height
- Top of nose attached to hood, a wicker bill may be .150" max allowed. (Any kick Angle)

REAR SPOILERS & WINGS

- Rear Deck spoiler may have a .25" maximum kick up or down allowed
- Rear spoiler allowed, not to exceeding 1.75" of the deck
- End caps allowed, may run center support brace ·End caps may be NO larger than 1.5" x 3" allowed.

CHASSIS

- May use original manufacturer Short Course chassis or any designed chassis for this class will be allowed
- Electronics can be mounted on the left within the main chassis plate only. (not near left edge of chassis)
- 4WD chassis allowed, must remove the front drive shaft & half shaft and battery must be in stock location.
- After market shocks & springs allowed
- Motor may be mid or rear motor only if original manufacturer designed it to be changed
- Any Rear toe allowed.

MOTOR/ESC/BATTERY

- Any ROAR APPROVED MOTOR 1/10 four pole motors allowed.
- Any ROAR approved ESC can be used in any mode (Blinky or Open Timing)
- Any ROAR APPROVED 2 cell LiPo hard case battery max charge: **@ 2C RATE.**

TIRES/INSERT/WHEELS

- Any 2.2/3.0" SCT Style Wheels only
- Any insert manufacture allowed must be SCT insert only.
- ANY DE RACING SC BASED TIRE COMBO OR COMPOUND ALLOWED.**
- Inserts cannot be ground down, cut or altered in any way.
- Inserts cannot be glued, taped, or attached directly to the rim.
- Grinding down, "GHOSTING" ECT of the tires is allowed. **MUST HAVE VISIBLE TREAD.**
- Cutting, narrowing, cutting inside webbing or sidewall or altering the carcass of the tire is not allowed.
- Gluing the sidewalls is not allowed.

SPRINT CAR BODIES

- All cars must have a scale appearing roll cage, hood, side panels, nerf bars and bumpers.
- Minimum of a 4 post cage required that resembles a drivers cock pit.
- All electronics, radio gear, fuel tanks must be positioned inside the cage side frames. Three dimensional scale appearing exhaust headers are recommended, but not mandatory. ·Rear cage side panels may be used but may not extend more the .250" beyond rear cage frame.

·No Lexan or any other material may be mounted to nerf bars, bumpers, cage, wig or any other parts of the car that will trap, alter or direct air flow for the purpose of gaining an aerodynamic advantage.

·Wheelbase must be within 9.50" and 11.50". Max width is 10.00"

·Must have appropriate opening on both sides of cage in driver compartment, forward portion of side panels can be no taller than highest point of the hood.

-Maximum length: 11.00"

-Maximum width of hood: 3.60"

-Maximum cage width at driver halo, down tubes, and top frame rail: 3.60"

-Minimum vertical gap from top of hood to front cage crossbar: .750" -Wing minimum height at leading edge: 5.00" front bottom of chassis.

WING RULES

·Center sections and side panels must be made from at least 3 separate pieces of polycarbonate or carbon material. (NO ALUM side panels allowed)

·All corners and edges must be rounded or cut 45 degrees free from sharp edges.

·Main and Front wings must be mounted so that they are centered on cage, no offset wings.

·Wing center sections must have all 4 corners set a 90 degree angles, no canted or angled panels.

·Wings must also be mounted level from side to side

·Center section of wing may not extend beyond leading or trailing edge of die panels. ·Side panels must have braces that hold side panels rigid 90 degrees to center section during race conditions, two braces are required from top of the center foil to the left sideboard and two braces are permitted below the center foil to the right sideboard. ·Braces can be a maximum of .750" wide and front edge of the front brace must be no more than 1.5" back from the side panel leading edge. Side panels may have a front, back, top and bottom turnout of no more than .375" and included in max dimension. Flat foil center sections will be allowed .250" turndown at the leading edge.

·Wing size used will be 7×7. Driver numbers must be posted on each side of the side panels of the wing.

OPEN LATE MODEL Body Rules:

DODC RULES APPLY-

DODC National Rules – All Late Model, Dirt Modified, Mid-West Modified and Sprint Car bodies and cages must resemble contemporary full scale cars racing in "World of Outlaws" and "DIRT" sanctioned events. All corners of bodies and wings must be rounded for safety. All height measurements are from bottom of chassis unless otherwise noted. Molded portion of body can be no longer than 22". An under body support may be added to brace each rear quarter panel, but must hold it in stock position, cannot be flared out. No additional wings, flaps, spoilers, wickers, vents or doohickies will be allowed. Body may not be altered in any way from its stock configuration ie: shortened, lengthened, narrowed, flared fenders etc. Front and rear windows may be removed at trim lines but a flat Lexan or similar material deck must be added in cockpit area. Bodies with add on roofs may leave front and rear windows in or out but roofs must be mounted in stock position. All four wheel wells must be cut out to appropriate scale dimensions.

- Rear Spoiler: maximum chord from body deck including any wickerbills: 2.00" for Foam/Street Rubber Tire 2.50" for Buggy Tire
- Rear Spoiler End Cap: [See Drawing](#)
- Maximum rear deck height from bottom of chassis is 4.0"

Complete DODC rules pdf can be found here: [DODC_rules_04-18_complete](#)

MOTOR and ESC: OPEN DODC Modified Motor Rules Apply Any ESC is allowed in any mode.

BATTERY: 2 Cell HARD CASE Lipos