



RANDOLPH COUNTY RACEWAY

2018 Sport 4 cyl Rules

RaceCeivers are MANDATORY

RANDOLPH COUNTY RACEWAY OFFICIALS RESERVE THE RIGHT TO WITHDRAW ANY CAR FROM COMPETITION THAT OFFICIALS FEEL IS UNSAFE.

THE RULES AND/OR REGULATIONS SET FORTH HEREIN ARE DESIGNED TO PROVIDE FOR THE ORDERLY CONDUCT OF RACING EVENTS AND TO ESTABLISH MINIMUM ACCEPTABLE REQUIREMENTS FOR SUCH EVENTS. THESE RULES SHALL GOVERN THE CONDITION OF SPEEDWAY EVENTS AND, BY PARTICIPATING IN THESE EVENTS, ALL RACEWAY COMPETITORS ARE DEEMED TO HAVE COMPLIED WITH THESE RULES. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF, OR COMPLIANCE WITH THESE RULES AND REGULATIONS. THEY ARE INTENDED AS A GUIDE FOR THE CONDUCT OF THE SPORT AND IN NO WAY ARE A GUARANTEE AGAINST INJURY OR DEATH TO PARTICIPANTS, SPECTATORS OR OTHERS.

IMPORTANT NOTE: Driver winning the feature race will start in the rear of the following weekly feature.

GENERAL RULES

All participants are subject to the rules set forth and are expected to know the rules. An expressed ignorance of rules by any participant will not be recognized as a valid argument for failure to comply with rules. Approval of any racecar by an official shall mean that the racecar is approved for participation in the event and shall not be construed in any way to mean that the inspected vehicle is guaranteed to be mechanically sound or safe. Be it further declared that officials shall not be liable for any mechanical failure, nor for any losses, injuries or death resulting from the same.

All drivers must be at least fourteen (14) years of age (proof of age required). Drivers under eighteen (18) years of age are required to have a signed and notarized Parental Consent Form. The Parental Consent Form must be signed by a parent or legal guardian, and must be received prior to participation of the driver in any event.

No equipment or racecar will be considered as having been approved by reason of having passed through inspection unobserved.

All racecars must be able to join the race lineup on demand and unassisted, or must go to the rear of the lineup for the start of the race.

RCR reserves the right to add to, delete, supersede or modify any rule, exhibit or drawing deems necessary for the conduct of events and/or safety of participants. All amendments are effective on the date of publication regardless of when a person subject to the rules receives actual notice of the amendment.

If the driver does not feel that the conditions are satisfactory, the driver should not compete in the event.

The driver further acknowledges that he or she is aware that auto racing involves risk, and that by competing in an event, the driver assumes these risks with full awareness and responsibility.

All drivers are responsible for registering their racecar for each event in order to ensure their respective starting position in each event.

RCR reserves the right to refuse to accept the entry of any racecar or participant. Furthermore, RCR reserves the right to revoke or cancel any entry, or any participant's claimed right to be on the racetrack's premises, if it is determined that a participant's presence or conduct is not in the best interest of the sport of auto racing, other participants, spectators, track management and/or employees of RCR. Radios and any other devices used for transmitting or listening are not allowed on the racecar. Exception: RACEceivers are required to enable audio communication from officials to drivers.

No computers allowed on the racecar, including, but not limited to, electronic traction control devices. Any driver found to be using traction control will be subject to a minimum fine of five thousand dollars (\$5,000) and up to a lifetime suspension from all events.

Conduct

Participants will conduct themselves as professionals. Any unsportsmanlike conduct by a participant shall be grounds for disqualification, fines, and/or punitive action. This will be strictly enforced.

Drivers are responsible for the conduct and actions of their car owners, crew members, sponsors and family members.

Absolutely no alcoholic beverage or other illegal chemical substance may be consumed by a driver or crew members prior to, or during, an event. The duration of the event shall also include all support class events run as a part of the overall program. The use, sale or distribution of illegal drugs at any time shall be cause for immediate and indefinite suspension.

SAFETY

It is recommended that each racecar have built-in fire extinguishing equipment, but cannot be of the dry powder type (must be Halon 1211 or equivalent).

Drivers should have in their pit area as part of their equipment, at all times, a fully charged dry chemical, Halon (or its equivalent) fire extinguisher. Ten- or thirteen-pound fire extinguishers are recommended.

Driver must wear required helmet, fire suit and five-point safety harness whenever the racecar is on the racetrack. This includes during track packing, warm ups, hot laps and races.

Helmets are mandatory and must be certified SA2005 , SA2010 or SA2015 Helmet must accompany driver and racecar at time of inspection.

Complete one- or two-piece fire suits of a flame retardant nature are mandatory.

Fire-resistant gloves and shoes are mandatory. Fire-resistant socks are recommended.

The use of a five- six- or seven-point driver restraint system (safety belts, sub-belt and shoulder harness) is required. Factory-type shoulder belts or straps are not allowed. The use of a seven-point driver restraint system is recommended.

Metal to metal buckles are required on shoulder and seat belts. Shoulder harness must be mounted securely to the roll cage.

Where the belt passes through the seat edges, a grommet must be installed, rolled and/or padded to prevent cutting of the belt.

Driver restraint system must be no more than two (2) years of age past the date of manufacture.

Full-size window net mounted in the left side driver's window opening is required. Window net mounts must be welded to the roll cage. All bars around the driver must have approved roll bar padding.

Approved racing arm restraints are recommended. Fire-resistant safety neck collars are mandatory.

Absolutely no plastic except from edge of firewall to body skin and inner wheel tub to body skin.

Technical Inspections:

Only top four (4) drivers, and officials are permitted in the designated tech area. One (1) crew member may be allowed in tech only when tech official authorizes them. Any other participants (crew members, drivers, etc) that enter the tech area will be subject to disqualification, fine and/or suspension.

The top four (4) finishers in the main event and any other racecars as instructed by officials, are required to report to a designated area after the completion of the main event where mandatory and varied post- race technical inspections will be required to take place.

At the discretion of the official(s), any participant may be disqualified by the official(s) for violation of any rule and/or equipment or action(s) deemed to be hazardous to other participants or officials.

All racecars are subject to inspection by an official at any time. Any driver whom refuses to allow any inspection by an official, or terminates an inspection in progress, shall be suspended from all events for fourteen (14) days, loss of all track points earned to-date for the current season and forfeiture of all cash and/or awards earned at the event.

Any illegal part discovered through inspection shall be confiscated by an official and forfeited by the driver. For first infraction, driver discovered to be using illegal parts of any kind shall be subject to a fine of up to two thousand dollars (\$2,000), suspension from all events for fourteen (14) days, loss of all points earned to date for the current season and forfeiture of all cash and/or awards earned at the event. For second infraction, driver shall be subject to a fine of up to five thousand dollars (\$5,000), suspension from all events for one (1) year, loss of all points earned to date for the current season and forfeiture of all cash and/or awards earned at the event. Failure by the driver to surrender any illegal part for confiscation shall result in a separate penalty, in addition to other applicable penalties under this rule.

WEIGHT:

1.8 motor car must weight 1,800 lbs, 2.0 motor car must weight 2,000 lbs, 2.2 motor car must weight 2,200 lbs, 2.3 motor car must weight 2,300 lbs, 2.5 motor car must weight 2,500 lbs.

Car weight must be clearly marked on front upper portion of both doors. Weight decal must match motor or driver will be disqualified.

Any added weight must be securely mounted with two (2) half inch (½") grade 8 bolts. Must be painted white and have car number in black on them.

ENGINE & ENGINE COMPARTMENT:

Compression checks will be performed randomly. Compression may NOT exceed 200 pounds for Cavaliers, and 180 pounds for mustangs. 3 or 4 cylinder in-line engines only. Single overhead cam only, no double overhead cam allowed. All engine components must be unaltered OEM for make and model of car used. Must use OEM crank, valve sizes, stroke, etc. No lightening or knife edging of crank allowed.

Aftermarket rods and rod bolts allowed.

Heads must be stock OEM part and type for vehicle being used. No shaved heads allowed.

No aftermarket racing heads. No high performance or sports car engines of any kind. No turbo charged, super charged, rotary engines, or engines utilizing variable cam-timing.

Aftermarket pistons are allowed (must be flat top or dished pistons only).

Aftermarket solid or hydraulic cam allowed. Factory stock roller cams only, NO aftermarket roller cams.

Aftermarket oil pan allowed, Aftermarket pulleys allowed.

Engine and radiator must be OEM, in OEM location for make and model of car used. No offset or lowering. May use solid engine mounts or safety chains. No accumulators/accusumps.

500 holley 2 barrel allowed

Aftermarket intakes may be used. Must be for type of vehicle being used and must be reduced to single barrel carburetor.

Aftermarket ignition/distributor allowed. No magnetos.

Maximum 7500 RPM Rev Limit Chip.

IMCA & UMP cars are allowed as long as they meet their specified rules package. Adjustments may be made to rules if one group of cars is dominating as this is an entry level division.

TRANSMISSION:

Locked or welded differentials / rearends allowed.

Must use OEM, unaltered transmission for make and model of car used. All forward and reverse gears must be operational. Flywheel, flexplate, clutch assembly and torque converter must be unaltered, OEM for make and model of car used. No mini clutches or couplers. Must have inspection hole in bell housing (accessible from top). No transmission coolers in driver compartment. No torque dividing final drive.

Rear wheel drives must have scatter shield either mounted to transmission bell housing or to the floor pan (1/4 x 6 inch steel). No aluminum flywheels, Flywheel may NOT be shaved or drilled. Stock type clutch, pressure plate and flywheel. No triple disc clutch allowed.

Rear wheel drive vehicles must have one loop located within 12 inches from rear of transmission.

Drive shafts must be painted white with the vehicle number painted on it in black.

BODY/CHASSIS:

Any front wheel drive or rear wheel drive compact car or S model pickup (regular cab) with three or four cylinder engine. No Honda CRX, station wagons, convertibles or two seat sports cars allowed.

All cars must remain strictly OEM. Must be unaltered OEM-appearing body.

Maximum wheelbase 107 inches, maximum one inch difference from side to side. OEM steel unaltered floor pan only. Inner fenders may not be removed. Hood and trunk lid/hatch must be securely fastened. All doors must be securely welded or bolted.

All glass, exterior lights, chrome/plastic trim and hood insulation must be removed. Dash may be removed, but can remain. Maximum seven inch front and rear sun visors allowed, opera window may be closed. Skirting allowed, must maintain OEM appearance. Car number must be minimum four inches thick and 20 inches tall and clearly visible, on both sides, top and back of car, and front, if possible.

TIRES AND WHEELS:

DOT 13 - 16 inch diameter unaltered street legal passenger tires permitted. 8 ½ inch sidewall maximum. May run modified (consistent with track tire rule) or MOD-LITE take off tires. Grooving of tires is allowed. No softening, conditioning, grinding, sanding, siping allowed.

No mud or snow tires. No re-caps, Racing or stock steel or aluminum wheels allowed, with maximum eight inch width. Maximum 4 inch offset on racing wheels. Same size wheels on all 4 corners. No wheel spacers or bleeder valves. Reinforcing of wheels recommended. Must use one inch O.D. steel lug nuts on steel wheels. No donut wheels or tires allowed.

BUMPERS/RUB RAILS:

Bumpers must be approved OEM in OEM location, welded, chained or cabled to frame. Front and rear tow hooks mandatory. OEM bumper covers should remain. May have one horizontal bar - maximum 1.75 inch OD - tying front frame horns together ahead of radiator. One additional maximum one inch OD bar may be added for radiator protection; must be behind bumper, within confines of body, no wider than OEM frame horns. Maximum one inch wide by two inch tall steel or lexan rub rails allowed - bolted flush to body. No sharp edges allowed on bumpers, rub rails or bolts. No bars past outside edge of body other than rub rails.

ROLL CAGE:

Six-point, full perimeter roll cage required. Must use minimum 1.5 inch O.D. with 0.095 inch wall thickness tubing. Rear hoop must have "X" bracing configuration. Rear kickers required. Recommended: front brace bar from main halo to front cowl. Forward brace bar allowed from main cage to front strut tower. Brace bar allowed between strut towers in front and rear. No other bracing allowed on front end. Must have 1.25 inch minimum O.D. cross bar in top halo. Cage must be electric welded and attached using adequate plating (Recommended: minimum 0.250 inch). No iron, galvanized pipe or fittings, square tubing, brazing or soldering allowed.

DOOR BARS:

Minimum three horizontal door bars on driver side and two horizontal door bars on passenger side. Both sides must have vertical bracing from top to bottom door bars. All tubing must be minimum 1.5 inch O.D. with 0.095 inch wall thickness. Steel door plates, 18 gauge or 0.049 inch minimum thickness, must be securely welded to outside of door bars on driver side. Plate must cover area from top door bar to frame and from rear down post to five inches in front of seat. Must be visible for inspection.

DRIVER COMPARTMENT:

Minimum 3 windshield bars and protective screen mounted in front of driver. Aluminum high-back racing seat required. Must be securely mounted to roll cage using 0.375 inch bolts. Driver must be sealed off from track, engine, transmission and fuel cell/tank. No mirrors. No gutting allowed except for roll/door bar clearance. All flammable material, radio and air bags must be removed. Front and rear firewalls must remain and have no holes. Interior must remain open.

SUSPENSION AND STEERING:

All components and mounts must be unaltered, OEM and match year, make/model of car used. Exception is: Recommended right rear safety hub (for example 1987-1995 Caravan hub assembly).

Car or truck must use same type suspension that it came out of the factory with.

Weight jacks allowed. No modifications, racing components, aftermarket or homemade traction devices allowed. Rear wheels must track straight ahead and be in alignment with front wheels. No more than 5 degrees camber on any wheel. No center steering. Quick release steering wheel is allowed, must maintain OEM column. No aftermarket remote reservoir power steering.

SPRINGS/SHOCKS/STRUTS:

All struts must remain OEM, in OEM location. OEM springs may be modified. Spring rubbers allowed. racing style shocks allowed. No coil overs or coil eliminators allowed. May add coil spring with weight jack to leaf spring vehicles. No sliders allowed, no rear adjusting springs or lead springs allowed.

BRAKES:

Must be steel, unaltered, OEM operative, four wheel disc or drum brakes, and match year, make and model of car used. OEM master cylinder only, in OEM location. No brake shut off or bias adjuster. Steel brake lines only.

EXHAUST:

Header is allowed. Exhaust manifold must be unaltered, OEM for year, make and model of car used. Smog pump, catalytic converter and air conditioning compressor may be removed. Exhaust must **exit completely from vehicle without pointing straight down**. No exhaust in driver compartment.

BATTERY/STARTER:

One 12 volt battery only. Must be securely mounted with positive terminal covered. Battery must be in Marine type case if mounted in driver compartment. OEM starter only, must be in OEM location. Car must leave initial staging area on demand, unaided, or go to rear of that race.

GAUGES/ELECTRONICS:

No unapproved cameras, transmitting or listening devices (exception is one-way RACEceiver radio by officials). 12-volt ignition system only. No ignition boxes. No performance chips. **No altering of computer**. All ignition components must be unaltered, OEM and match year, make and model of car used. Aftermarket analog tach, oil pressure and water temp gauges only. Vehicle computer (ECU) should be mounted in accessible location for inspection. Cameras pointing to any moving or suspension parts are not allowed. Except for memory recall tachometer, electronic monitoring computer devices capable of storing and/or transmitting information are not allowed. **Kill switch must be located on left side of dash and clearly marked "on" and "off"**.

FUEL SYSTEM: Fuel Cell Optional

Must have fuel cell or complete, unaltered, OEM fuel system for year, make and model of car used. Gasoline only, maximum 93 octane. No E85. No performance additives. Gas tank ahead of rear axle allowed but must install shield under it. Gas tank behind rear axle must be removed and replaced with maximum eight (8) gallon fuel cell and relocated to trunk area. Must mount with minimum two solid steel straps around entire cell, two inches wide and 0.125 inch thick. Metal firewall or cell cover must be between driver and cell. Fuel cell vent, including cap vent, must have check valve. If racing fuel cell does not have aircraft style positive seal filler neck/cap system - a flapper, spring or ball type filler rollover valve is required. External electric fuel pump wired to the ignition switch allowed with aftermarket fuel cell only. No cool cans. Fuel lines through driver compartment must be steel. Aftermarket fresh air pipe and air filter allowed, but no ram air.

CAR CLAIM:

\$1,200 cash claim or \$500 and exchange on complete car. Top 4 eligible to be claimed. Claim does not include – 1. racing seat, 2. safety belts, 3. fuel cell and electric fuel pump (if equipped). Claim must be made by driver and must have completed and remained on the lead lap. Driver claiming must report to the tech area with his/her car within 5 minutes of end of feature race.