

DREA RACING General Competition Rules and Regulations

It is the full responsibility of the entrants, drivers, owners, and sponsors to meet all DREA Racing rules and regulations. Failure to do so shall be reason for penalty, disqualification and/or suspension at the discretion of the Race Circuit.

- 1) DREA Racing reserves the right to change the Rulebook as deemed necessary. These changes may occur at the beginning of each year, or throughout the year.
- 2) Off-road racing is a hazardous sport and as such, no entrant, pit crew member, or vehicle sponsor shall have any claim for damages, expenses, lawsuits, or otherwise against promoter, track operator, DREA Racing, its officers, agents or Director/Owners or Race Operations Manager arising from damage to any vehicle, personal injury or death, or monetary loss of any kind whatsoever. Entrants, pit crew members, or vehicle sponsors who voluntarily participate in any racing activities conducted under these rules, waive any claim they may have against the promoter, track operator, DREA Racing, its officers, agents, or Director/Owners.
- 3) The promoter or track operator may run any type of approved DREA Racing event.
- 4) The Director/Owner or Operations Manager shall have the authority to penalize, disqualify and/or suspend any entrant or crewmember for the violation of these rules including special rulings and supplementary regulations.
- 5) DREA Racing may issue special rulings to account for conditions presented by the location of the race, the condition of the course, or any other circumstance.
- 6) Special rulings and specifications will be considered official amendments to the list of rules and regulations when issued by DREA Racing in written form and will be communicated as well as posted in official DREA Racing publications.
- 7) Supplementary regulations may be issued for each event as necessary to amend, suspend or modify existing rules and regulations. Supplementary regulations will not be considered official until released in written form in official DREA Racing publications.
- 8) DREA Racing assumes no responsibility whatsoever for delays, postponements, and/or cancellations of all or part of an event because of inclement weather, unsafe course condition, and/or any other reason.
- 9) The Director/Owner and Operations Manager will have the responsibility for the conduct of any event conducted under these rules. All official race personnel will be directly responsible to the Director/Owner or Operations Manager.
- 10) The Director/Owner or Operations Manager shall have the authority to penalize any entrant (up to and including disqualification and/or suspension) found to have committed violations of driver's rules and/or conduct.
- 11) No one falling under the jurisdiction of any race official(s) at any DREA Racing event shall subject said official(s) to improper language, physical abuse, threats, or any other demeaning action.
- 12) DREA Racing members are not employees of DREA Racing. DREA Racing members assume all responsibility for all charges, premiums, and taxes payable on any funds they may receive as a result of their participation in any DREA Racing sponsored event(s).
- 13) DREA Racing reserves the right to refuse and/or deny any entry application or person.
- 14) DREA Racing uses the frequency of Weatherman - 151.625Mhz as a main race channel. DREA Racing reserves the right to change the main race channel frequency if deemed necessary. DREA Racing will make all reasonable efforts to notify all entrants of the new frequency. All radio or

other transmissions, which affect DREA Racing control communications, are strictly prohibited except in the case of medical emergencies.

- 15) The checkpoint captains are the direct representatives of the Operations Manager at their respective checkpoints. Their area of responsibility includes 50 yards on either side of the checkpoint.
- 16) Checkpoint captains will designate areas leading to and surrounding the checkpoint area. This area is for checkpoint personnel only. No support teams, pit crews, chase crews, or any other person without express permission will be permitted in this area. Failure to comply will subject the entry to penalties of up to and including disqualification.
- 17) Classes may be combined at the discretion of DREA Racing. The combining of classes is for the sole purpose of allowing entrants to race. Entrants will be eligible for position money for the combined class and will be awarded points in their respective classes.
- 18) The Director/Owner, Operations Manager, and or Chief Technical Inspector shall have the authority to penalize, disqualify and/or suspend any entrant for violations of vehicle technical rules.
- 19) The Director/Owner has the final decision on all issues involving any DREA Racing events. The Director/Owner has full discretion to make any final determinations, judgments, suspensions, or penalties in relationship to all DREA Racing rules and/or regulations.

The following regulations apply to all classes unless otherwise noted in supplementary regulations. Unless the class requirement or safety regulations specifically state that a modification or optional equipment is permitted, it will not be allowed. DREA Racing's intent when prescribing specifications for safety equipment for vehicles that will compete under DREA Racing rules is to provide adequate protection to all entrants and spectators. DREA Racing does wish to encourage all entrants to give full attention to safety requirements. When operating a vehicle on the racecourse, at any time, including warm-ups and testing, entrants must wear an approved helmet, protective clothing, eye protection, and safety equipment. All body components and nets must be properly secured during such operations.

SAFETY EQUIPMENT

- **Helmets** Helmets must be of approved by one of the following: SA2015 DOT / ECE 22-05 / BSI sticker attached. Straps must have D-ring fasteners only. No snaps or Velcro will be permitted. The interior and exterior areas of the helmet must be free of defects (i.e., the padding must be in good condition and the exterior of the helmet must not be damaged).
- **Head and Neck Restraints** DREA Racing approved Sfi 38.1 head and neck restraints are mandatory and must be worn by all occupants competing in a DREA Racing event and will be checked at tech.
- **Protective Clothing** Fire suits are mandatory. They must cover from the neck to the ankles. One-piece suits only!!! Also, the suits cannot have any holes at all.
 - Minimum Sfi 3.2a/5 rating is required.
 - Sfi 3.3 undergarments, gloves, and shoes are highly recommended
- **Eye Protection** Shatter resistant eye protection is required for all occupants competing in a DREA Racing event. Those with a windshield must have eye protection available in the event the

windshield is knocked out or broken. It is highly recommended that entrants with removable dentures remove them prior to the race

- **First Aid Kit** A first aid kit must be carried in each vehicle at all times and must contain at least the following items: 1 – 4” bandage compress 2 – 2” bandage compress 1 – triangular bandage 8 – 2” x 3 adhesive pads 16 – 1” x 3.375 adhesive pads 10 – prep pads 1 – eye dressing packet 10 – ammonia inhalants 1 – ace bandage

Safety Triangle All vehicles must carry a reflective triangle.

Horns All vehicles must have a loud sounding horn.

Fire Extinguisher Each vehicle must carry (2) portable UL approved 2.5-pound ABC rated dry chemical type or HALON fire extinguisher with a gauge. It must be fully charged and easily accessible. On board fire suppression systems are highly recommended. They should have three nozzles located in each of the following areas: driver compartment, fuel compartment, engine compartment. (1) 2.5-pound extinguisher will be mounted inside the vehicle and (1) 2.5-pound extinguisher will be mounted on the outside of the vehicle that is easily accessible from the outside of the vehicle. Must use a quick type mount. Element type fire extinguishers not permitted.

Survival Supplies All vehicles must carry at least two days of survival supplies and one quart of water per person in vehicle. Long course events only.

Wheels and Tires Snap-on hub caps or wheel covers of any type are not allowed on any type of vehicle during competition. Tires will be visually checked for condition and must be considered safe by DREA Racing prior to competing. Maximum tire size is 40” outside diameter. No multiple tires are allowed.

Fasteners All nuts, bolts and component parts on each vehicles suspension system, chassis and running gear must be secured with S.A.E. grade 8 or better nuts, bolts and secured with either lock nuts, lock washers, cotter pins or safety wire and have at least one full thread showing through the nut.

STEERING AND BRAKE COMPONENTS

- **Steering** Steering wheel play must be kept to a minimum. Drag link and tie rod ends must be secured and have a cotter pin in each one or lock nut.
- **Brakes** Brakes must be in a safe working condition and able to apply adequate force to lock up all four tires. Turning or steering brakes are allowed.

ELECTRICAL SYSTEM

- **Ignition** Each vehicle must have a positive action on-off switch in good working order. The switch must be located within easy reach of the driver and labeled “Ignition Switch” on – off.
- **Battery** Batteries must be securely mounted with metal-to-metal tie downs. All wet cell batteries must be full enclosed including the sides and bottom. Batteries that are not covered but located in the driver’s compartment are not acceptable. Batteries will be considered in the driver’s compartment if there is no fire wall between it and the driver.
- **Lights** All vehicles must have a minimum of, two brake lights, and two taillights. Taillights must be mounted at least 36” from the ground and be 3” in diameter. Forward facing daytime light(s) are required. This can be any color, must be at least 8” square total (2 - 2x2 pods allowed). All lights must be on and working for the entire race. All vehicles must have an amber light facing

the rear and hooked up to the ignition switch. This must be a fog type light with a minimum of 25 watts and a maximum of 55 watts. LED lights are ok as long as they are the proper size. LED lights must be at least 6 square inches.

- **Green Light** All vehicles in *Classes 5-1600, 9, 13, 15, 1450, 18, 3000 and Stock Bug* must run a 4 sq. inch Green light along with the amber light facing the rear of the vehicle. * The Green Light is to identify the slower moving vehicles. This is to assist the faster moving classes to recognize a slower moving vehicle when they are approaching them.
- **Starters** All vehicles must have a starter capable of turning over the engine.

FUEL SYSTEM

- **Fuel** Any of the following commercially available gasoline, LPG, or diesel fuels may be used:
 - A. Service station type pump fuel
 - B. Racing gasoline as manufactured
 - C. Commercial aviation gas
 - D. Natural or propane gasNo alcohol or nitro methane is allowed. Fuel additives may be used.
- **Fuel Tanks** Fuel cells are mandatory in all classes (with the exception of the Powder Puff Ladies Race, see Powder Puff Race section) . All fuel cells must be securely mounted. Filled from and vented to the outside of the vehicle. No G.I. cans are allowed. Safety fuel cell shall consist of a bladder enclosed in a smooth skinned container. All fittings shall be built into the skin of the cell and bonded as an integral part of the tank. The bladder shall be fully enclosed in a smooth skinned casing. The container shall be made of 20 ga. steel, .060 aluminum or .125 marlex. The container must be securely fastened to the frame or floor with bolts and/or steel straps.
- **Fuel Lines, Vents and Caps** Fuel filler lines and caps must be mounted in a location where they cannot be knocked open or off during a race. Fuel breather must have a check valve and it must be routed up to top of roll cage then over to the opposite side of the roll cage then down to the floor and out the bottom. All fuel fillers must be surrounded at the outer extremity with a splash shield. A body panel is acceptable as a splash shield. All fuel lines breather lines and filler lines must have hose clamps.

ENGINES, TRANSMISSIONS, DRIVELINES

- **Throttles** Each vehicle must have a foot throttle with two return springs attached to the carburetor throttle arm. A stop or override system must be used to keep linkage from passing over center and sticking in an open position
- **Exhaust** Each vehicle regardless of class must have a forestry approved spark arrestor or muffler is acceptable.
- **Drive Shafts** All front engine vehicles that have an open driveshaft must have a retainer hoop securely mounted and located within 6" of the front universal joint
- **Flywheel Shields** All front engine vehicles must have a sema-approved bell housing or cover, or approved scatter-shield / blanket, or ¼" 6061 fabricated shield to protect vehicle occupants.
- **Fluid Coolers** Oil coolers, transmission coolers and radiators mounted ahead of the driver's compartment must have a shroud behind the cooler to prevent fluid from leaking back to the engine compartment

- **Auxiliary Equipment** A generator, alternator, fan, water pump and a complete functional electrical system must be hooked up and working at all times

VEHICLE SAFETY EQUIPMENT

- **Roll Cages** All vehicles in competition must be equipped with a roll cage. Minimum design and tubing size based on seamless mild steel or 4130 chromoly for roll cage structures are as follows:
Vehicle weight
 - Up to 2000 lbs. 1.5" x .095" CDN/4130/seamless or ASTM 1018/1026 CDS/DOM
 - 2001 to 2500 lbs. 1.5" x .120" CDN/4130/seamless or ASTM 1018/1026 CDS/DOM
 - 2501 to 3000 lbs. 1.75" x .095" CDN/4130/seamless or ASTM 1018/1026 CDS/DOM
 - 3001 to 4000 lbs. 1.75" x .120" CDN/4130/seamless or ASTM 1018/1026 CDS/DOM
 - 4000 lbs. and over 2.0" x .120" CDN/4130/seamless or ASTM 1018/1026 CDS/DOM
- **CONSTRUCTION PROCEDURES** Cages must be securely mounted to the body or frame, braced and gusseted at all connections. Body or cab mounted cages must not be attached by direct welding but must be attached by and bolted through the use doubler plates on each side with a min. thickness of .187". Bolts that are used shall be at least .375" dia. SAE Grade 8 or equivalent. Ends must be located to a body or frame supporting maximum impact. Minimum material dimensions apply to the following:
 - 1) Rear and front hoop
 - 2) Rear and front interconnecting bars
 - 3) Rear down braces
 - 4) Lateral bracing and diagonals must be the same size tubing as the roll cage.
 - 5) Elbow and door bars
 - 6) Lower A- and B-pillar tubes
- **ROLL CAGE DESIGN** All roll cages must be constructed with one front hoop, one rear hoop, two interconnecting top bars, two rear down braces and one diagonal brace and necessary gussets. All vehicles must have a diagonal brace. Any vehicle that is not provided with stock steel doors for its driver and co-driver must be equipped with side door bars at least one on each side, X-braced highly recommended. *No openings below the window nets may be greater than 370 in sq, or (21" cylinder cannot pass between intrusion bars/bracing)*
- **Safety Harness** All vehicles must have 3-inch heavy duty type five-point fast release (no push button) seat belt and shoulder harness with metal-to-metal buckles and connectors for each occupant. The single anti-submarine strap of the five-point system shall be attached to the floor structure as close to the front as practical so that it will exert maximum restraint to the upward movement of the belt and harness. No "Y" type shoulder harnesses are allowed. **All belts must show manufacturer's name, month and year of manufacture and must be readable or they must be replaced. All belts must be changed after three years of date.** There must be two "D" rings per shoulder harness. All belt hardware must be safety tied or cotter keyed. **2-inch shoulder harness is allowed only if you are using an approved head and neck restraint.**

- **Safety Nets** DREA Racing approved safety nets are mandatory on all vehicles. The nets must be fastened every six inches by hose clamps, snaps, nylon ties, Velcro, lift a dot, metal hooks or steel rods. Netting must be installed on the inside of the roll cage. The nets must cover the whole side of the driver's compartment. The roof must be covered with sheet metal or aluminum. Must have metal clamps on the top corners.
- **Seating** All seats must be properly reinforced and securely mounted.

GENERAL VEHICLE COMPONENTS

- **Driver's Compartment** Driver and/or co-driver must be able to enter and exit the driving compartment unassisted with ease, with the vehicle in any position. The driver's compartment must be separated by firewalls or bulkheads from any acids or fuels.
- **Doors and Latches** All vehicles with operable doors must have a positive locking mechanism and if the nets are fastened to the door, then a secondary latch must be installed.
- **Firewalls** All vehicles in competition must have an all-metal firewall to separate the driver's compartment from any danger of fire from the engine and any fuel supplies. A minimum firewall must extend from the driver's shoulder height to the vehicle floor and body sides. If rear mounted fuel cell is higher than shoulder height, the firewall must be extended at least one inch above the fuel cell.
- **Power-steering Pump Backing Plate** (*Front engine vehicles*) Power steering pumps must have a rear backing plate to prevent the backside of the pump from blowing off.
- **Ballast** Any material used for the purpose of adding to the vehicle's weight must be properly attached as part of the vehicle's structure.
- **Weight** Weight shall be considered dry weight for long course and wet weight for short course (dry weight is with all fuel tanks drained.) Tools, spare tires, and parts must be removed. But otherwise, the vehicle must be race ready. Official weight will be considered weight shown on official scales.
- **Floorboards** Floorboards or belly pans are required on all vehicles and must be held on by a minimum of six bolts per side. It must cover the entire area from front to back and from side to side. No dzus fasteners.
- **Bumpers** No hazardous front or rear bumpers, nerf bars, frame heads or other protruding objects from the vehicles are allowed. *Bumpers/Nerf Bars must be at least 24" wide and loop back or braced flush at the ends.*
- **Mirrors** A rear view mirror is required on all vehicles.
- **Skid Plates** Skid plates designed to protect the front suspension, steering and brake components are required on all vehicles.
- **Storage** All spare parts and extra equipment carried on a vehicle must be securely fastened to prevent movement during a race.

- **Fenders** On all vehicles required to have fenders they must be securely attached to the vehicle with quick release or breakaway fasteners. The removal of fenders for any reason other than damage after the race has started will cause the vehicle to be disqualified.

Chassis and Body

All body parts shall remain on the vehicle (accidental damage excepted) during the entire race. As specified in individual class rules, body/chassis series must be maintained with body/chassis combinations.

- **Hoses** All hoses used for fuel and oil lines must be hosed clamped.
- **Identification Markings** All vehicles must be identified with the correct vehicle number(s) for that class. All vehicles must have a number plate visible from each side of the car, one visible from the rear and one on the front. Numbers must be *black on white background* or *white on black background*. Glass is considered colorless unless it is painted white or black. Side numbers must be a *minimum* of 8" high with a 1" stroke. Front numbers must be a minimum of 4" high with a ½" stroke. Rear numbers must be a minimum of 6" high with a 1" stroke. Background or number plates shall be clearly distinguishable from the color of the vehicle. Background or number plates shall be either vinyl or paint. Any combination of numbers that, in the opinion of DREA Racing, are difficult to read, in an undesirable location or are inadequately attached will be rejected. The violation must be corrected before the vehicle will be allowed to compete. DREA Racing assumes no responsibility for scoring vehicles that have unrecognizable identification numbers. It is the driver of records responsibility to always keep numbers recognizable during the event.
- **Advertising on Vehicles** Advertising may be displayed on vehicles provided they are in good taste and do not interfere with numbers.
- **Workmanship** All construction, modifications and alterations must be performed in a workmanlike manner contingent upon the approval of DREA Racing.