

Dubuque 2022 4 Cylinder Enduro Rules
Pit Gates Open at 8am

Driver Eligibility: Driver must be 16 years or older

Eligible Vehicles:

1. Any 4 or 6 cylinder front wheel drive car.
2. NO Convertibles, NO Trucks, NO Turbo or Supercharged Engines.
3. This is a true "stock car" class. We expect a stock engine for that make and model from the throttle body to the exhaust manifold, stock transmission, stock frame, stock steering, stock front & rear firewalls, stock dashboard, stock steering column, stock pedals, stock unaltered differential, no welded or locked differentials.
4. Cars with a long tube header (factory or not) will have a 1 ½" exhaust "restrictor" for at least the last 12" or start 1 lap down.

Preparation of Vehicle:

1. Remove all insulation and upholstery from the interior and under the hood
2. Remove all airbags
3. **All holes in floor or firewall must be covered with securely mounted steel.**
4. Sunroof opening must be sealed off with securely mounted steel.
5. Remove all glass.
 - a. Windshield must have 3-3/8" support braces with wire mesh 1" or smaller with .035 or larger wire **complete windshield opening side to side must be covered.**
 - b. All other window openings will be wide open. No "quarter fillers". It is important to be able to see through to the cars ahead.
 - c. **Window net** is mandatory on drivers window.
6. Seat and Seatbelts.
 - a. 5 point racing harness with crotch belt is required.
 - b. Shoulder belts need to be supported at shoulder level, lap belt mounts should swivel.
 - c. Racing seats allowed, securely mounted to the roll cage. Secure both the bottom and the back with oversize washers.
 - d. All seats must have a headrest.
7. Battery
 - a. Battery that is relocated, must be secured by minimum 1/8"x1" steel strap with minimum 3/8" hardware with large head washers.
 - b. No matter the location of the battery, it must be secure and covered.
8. Gas tank
 - a. Stock gas tank may remain in place if it is ahead of the rear axle.
 - b. If behind the rear axle it must be replaced with a fuel cell or boat tank (8 gallon or less) and mounted in the trunk.
 - c. Fuel cells or boat tanks must be secured by minimum of 4 1/8"x1" steel straps with minimum 3/8" hardware with large head washers. NO plumbers tape.
 - d. If a fuel cell or boat tank is used, the trunk firewall must be sealed off.
 - e. If the fuel line runs thru the car, it must be in a sealed conduit.
 - f. Cars with fuel leaks will not be allowed to run.

9. Brakes.

- a. All cars must have functioning four-wheel brakes.
- b. Cars not appearing to have adequate brakes will be black flagged.

10. Hood and Trunk

- a. Hood and trunk may NOT be gutted.
- b. Hood must be stock with working hinges.
- c. Factory hood latches can be replaced with hood pins or seatbelts.
- d. Engine compartment must be sealed off from Driver at the back of the hood/base of the windshield cowl.

11. Bumpers.

- a. Bumpers must be stock.
- b. NO angle iron, NO channel iron, NO additional bracing, NO trailer hitches.
- c. No excess welding, no extra material to extend outside of bumpers.
- d. No push bars on front bumper.
- e. Inspector has discretion and final say on all "repairs".

12. Doors

- a. Doors must be welded or locked and chained shut
- b. Driver door may be gutted if the door bars are installed out to the door skin.
- c. Passenger door may only be gutted if there are passenger side door bars.
- d. Rub rails allowed IF and only if they are securely fastened, have no sharp edges, have no chance of hooking another car, stick out no more than $\frac{3}{4}$ ".

13. Tires and Wheels

- a. Stock wheels for make and model of car. Aluminum okay, not no aftermarket or trailer wheels are allowed. **There is no longer a max 6" tire rule.**
- b. Front tires must be exact equal markings for size and profile.
- c. Passenger car tires only, no snow tires-no recaps, no made for racing "cheater tires"
- d. NO SNOW TIRES, DOT tires only
- e. Tires must be same size side to side, but may be different front to back..

14. Exhaust

- a. Exhaust MUST exit behind the driver.
- c. Exhaust cannot point at the gas tank.
- d. Maximum exhaust size is 2" I.D.
- e. Strap on your exhaust good. You can expect a black flag if it falls off.

15. Radiator and Protection

- a. Stock radiator in stock location.
- b. OEM aftermarket radiator is allowed as long as same size of stock
- c. Must have stock overflow tank.
- d. Radiator can be ratchet strapped or zip tied to hold in place.
- e. A radiator protection bar constructed of 1" tubing no thicker than $\frac{1}{8}$ " is allowed. May not tie into strut tower.
- f. A maximum of 6' total of tubing may be used for the radiator protection bar(s), upright and braces and any bracing.

16. Suspension-Stock spring, struts, shocks
 - a. One (1) rubber spring spacer is legal. It must be full circle. No more than 2" thick. It is allowed in any corner.
 - b. If it looks too much like a race car it can be given a penalty based on looks alone without further explanation.

Safety Requirements

1. Snell 2005 or newer helmet
2. Full racing firesuit recommended (either one piece or shirt and pants)--Long pants and long shirt is mandatory.
3. Gloves required - racing gloves strongly recommended
4. Racing shoes or boots strongly recommended
5. Neck collar or other style head and neck restraint required-neck collar is minimum

Roll Cage and Bars

1. Roll Cage
 - a. Minimum tubing size is 1 ½"x.095 thickness
 - b. Single hoop roll bar with a minimum 2 angled down bars must be welded or bolted with sandwich plates (4"x4"x1/8") to the car
 - c. Hoop must be full height and width of car.
 - d. The minimum required 2 Down bars must connect at a point at least 2/3rds of the way up the hoop
 - e. Hoops should be bent in a bender(not kinked) or miter cut and gusseted.
2. Door Bars
 - a. A minimum of 3 door bars on the driver's side going forward from your main roll bar hoop to a vertical bar (forward post) at least dashboard height. This bar may be welded on the bottom to a rocker panel plate and to the windshield pillar on the top.
 - b. If the forward post is not welded solid between the rocker and windshield pillar then it must be connected side to side by a dashboard bar (factory bar acceptable)
 - c. The forward post may continue upward and be part of a conventional 4-point roll cage.
3. Rear bars may be connected to the rear strut towers. Rear strut towers may be connected side to side.

Not allowed

1. NO radio communication allowed other than raceceiver communication from DBQ fairground staff.
2. NO cell phones
3. NO bracing anywhere besides driver's compartment
4. NO Great stuff (or other expandable foam) allowed in fenders, quarters, etc.
5. NO trailer hitches
6. NO ballast. Lead or other excepted.

Additional Criteria

1. Cars must have legible numbers on both doors and roof
2. Driver's name must be clearly lettered above driver;s door
3. No obscene, profane or distasteful slogans or markings allowed.
4. The confiscation (car claim) rule will be in effect for all DBQ Fairgrounds enduros. **Car count 49 or less will put the \$1000 claim rule into effect. The DBQ Fairground automatically claims 1st place car for 50-75 car entries and 1st and 2nd place for 76 or more cars.** The cars must be presented exactly as raced except for the removable seat, seat belts, window net, and fuel cell. Everything else is as run and any attempts to remove or change anything else will result in disqualification. Cars may or may not be auctioned off on ebay.
5. Raceceivers are mandatory
6. Westhold (yellow) Transponders will be mandatory. We will have limited transponders for a \$10 rental fee and you must have your own transponder pouch or it can be purchased for \$20.

Procedures

1. Entry Fee
 - a. Must be pre-registered 1 week prior to event to qualify for the pre-registration deadline.
2. Line up
 - a. All pre-registered cars will be included in a random, facebook live drawing to determine the starting line-up. Non-pre registered cars will be lined up behind the pre-registered grid in the order they pass tech. Cars that have not successfully passed tech 1 hour before the scheduled start time lose their starting position.
3. Scoring
 - a. Transponder scoring is used. You can supply a working yellow westhold transponder, or we have limited for rent at the track. Non-pre-registered cars receive rental units on a first come, first served basis.
4. Car Claim
 - a. The confiscation (car claim) rule will be in effect for all DBQ Fairgrounds enduros. **Car count 49 or less will put the \$1000 claim rule into effect. The DBQ Fairground automatically claims 1st place car for 50-75 car entries and 1st and 2nd place for 76 or more cars.**
5. Penalties
 - a. Cars not passing pre-race tech will be assessed any number of penalty laps at the start of the race if allowed to run.
6. Disabled Cars
 - a. Cars that become disabled and cause a red flag. If needed they will be pushed into the infield. If car is able to return to the track, it MUST be inspected before re-entry at the front pit entrance by an official.

7. Payout

a. Payout is pro-rated based on number of cars participating.

8. Race is 200 laps with no break or 2 hours, whichever comes first. If we are within a few laps of the full 200 but at the 2 hour limit, we will finish the race.

**THIS IS A RACE NOT A DEMO DERBY, ANYONE SEEN TRYING TO TAKE CARS OUT
WILL BE RED FLAGGED AND DIS-QUALIFIED**