

RIVERHEAD RACEWAY 2008 GRAND ENDURO RULES

1. Any 1960 or newer American or foreign made sedan or station wagon with a minimum wheel base of 108" is eligible. The car must be complete bumper to bumper and strictly stock. NO race cars allowed. NO convertible tops. T-Tops must be replaced with steel plates if used. NO turbo or supercharged. NO all wheel drive.
 2. All doors must be welded, chained or bolted shut.
 3. All glass must be removed except the windshield, before arriving at the race track. Must have windshield or reinforced lexan (one piece, 3/16 inch thick minimum). No chain link fence or wire permitted. No cracked windshields. **DO NOT BREAK AND LEAVE GLASS IN THE WINDOW CHANNELS OR IN THE INTERIOR OF THE CAR.**
 4. The interior of the car must be gutted including all rugs and headliner. Must have racing seat with 5 point seat belt harness (Within 5 years from date of manufacturer date) and driver's side window net. All sharp edges and bars must be padded inside driver's compartment. Must have padded center in steering wheel. Must have securely mounted fire extinguisher within drivers reach.
 5. Everything on the car must remain stock. No cutting, chopping, channeling or building. All cars must have front and rear bumpers and be complete. We recommend that all bumpers and bumper guards be welded, not reinforced. Bumpers may NOT be reinforced in any way. Bumpers may not be mounted upside down and may not exceed 18 inches in height.
 6. Suspension parts must be absolutely stock. No modifications allowed. Front wheels may be reinforced to prevent their loss during the race with plating, washer or double nuts. Steering and suspension may not be reinforced in any way. Suspension must be active and show bound and rebound. No spring spacers. Stock springs and shocks must be for year, make and model of vehicle in stock location. Wheel tethers installed on front wheels. No adding weight.
 7. **GRAND ENDURO TIRE RULE:**
 - Hoosier Comanche Tire Size: -
 - 27.0/7.0-15
 - 27.5/7.0-15
 - 26.5/7.0-15
 - All tires used in competition must be branded by officials prior to being used in race.
 - No Wheel weights
- THIS SUPERCEDES ANY PREVIOUS TIRE RULE.**
8. Stock transmission only. Stock clutch and flywheel. Stock torque converter.
 9. Radiators in stock position. No auxiliary cooling systems may be located anywhere in the car; these include water, oil, transmission etc. **NO ANTIFREEZE.** \$25.00 fine if found.
 10. Batteries in stock position or relocated in driver's compartment. **SECURELY MOUNTED IN APPROVED CONTAINER. FINAL DECISION BY OFFICIALS IN CHARGE.**
 11. Headlights, taillights, directional lights, and lenses must be removed. In addition, all chrome body trim, hub caps, door handles, hood ornaments and antennas must also be removed.
 12. Any loss of tire or wheel requires immediate exit from the race track so as not to damage the racing surface -this includes flat tires.
 13. Rupture of gas tank or loss of gas requires immediate black flag. Pull off the race track immediately and on to the dirt surface of the infield.
 14. Absolutely **NO** foul language or derogatory phrases to appear on car.
 15. A minimum ten-inch hole must be cut in the hood directly over the carburetor. No flaps.
 16. No one will be allowed to push his car off the racing surface under the red or after the event. If the car will not run under its own power, it must remain in the infield until all the events of the day are completed.
 17. No brake proportioning other than stock.
 18. Only the registered driver of the Enduro car will be allowed to take the car off the track property. No one can be assigned to do it and a claim card is required to remove a car. **NO EXCEPTIONS!!**
 19. No one will be allowed into the pit area without credentials during or after the racing events due to strict insurance guidelines.
 20. **ALL CARS MUST PAINT THEIR NUMBER ON THE UPPER RIGHT CORNER OF THEIR WINDSHIELD.**
 21. 7" wide rims, stock steel or stock appearing after market wheel permitted.
 22. Rub rails will be allowed but only between the wheel wells. 1" x 2" rectangular tubing OR 1 ¼ STEEL TUBE must be center of hub and rear axle. Must be bolted tight against body with no sharp edges.
 23. Springs and shocks must be mounted in their original positions. Non-adjustable gas shocks will be permitted. No spring spacers.
 24. Fuel cells allowed to be reinforced for safety reasons. Final decision to be determined by officials in charge. Fuel cells no lower than frame rails. Fuel cells must be centered. All fuel cells must be in approved metal container. Grand Enduro must have fuel cell. **. NO FUEL LINE IN DRIVERS COMPARTMENT**
 25. 6-point roll cage with the rear roll cage bars not to go past the middle of the center of the rear axle. Frame connectors permitted on unibody cars. No X-ing of frames.

RULES CONTINUED ON REVERSE SIDE

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26. Stock or locked rear-ends. No adding weight.
27. Claim Engine Rule – You must be in the top 5 finishing order. Claim fee - \$2000.00 total in cash must be claimed within 15 minutes after the race.
28. No electric fans.
29. Permanent car numbers will be issued through the raceway office. First come, first served basis. (0-35).
30. Stock 8 Cylinder Enduro must have stock engine Y pipe. Muffler to be a minimum of 18” from engine pipe. Any after market glass pack muffler will be permitted. Exhaust must exit behind the door.
31. Post race inspection: Car without driver will have a maximum of 51% left side weight. **NO TOLERANCE!!!**

MOTOR RULES

- General Motors **ONLY**
- Small Block
- Maximum cubic inch – 350 & .030 over bore

NO TOLERANCE

ENGINE BLOCK

- **COMPLETELY** stock
- **NO** Grinding, relieving
- **NO** coatings – internal or external
- **NO** decking

CRANKSHAFT

- Must remain completely stock
- Stroke must be 3.480
- **NO** offset grinding
- Must be cast iron and weigh no less than 48lbs.
- OE manufacture (GM: must show trademark & casting number)

CONNECTING RODS

- Must be GM original 5.700 length
- Press fit pins only

PISTONS

- Cast aluminum **ONLY**
- 3 active rings per piston
- Flat top **ONLY** with 4 valve reliefs
- **NO** hypereutectic or forged pistons permitted
- Pistons must have full length skirts
- Piston deck height may not exceed .010 as measured at TDC

CYLINDER HEADS

- Cast iron, straight plug, open chamber
- **NO** grinding, porting acid etching, bowl work or flow improvements
- Combustion chamber minimum 76cc
- Flat milling not to exceed .010
- Casting numbers must agree with valve size
- Maximum intake valve 1.94 diameter or less
- Maximum exhaust valve 1.5 diameter or less
- Valves must be stock length. **NO** single groove stems
- Valve springs must be single spring stock diameter. **NO** conical/bee hive design
- Stamped steel valve keys **ONLY**
- Stock steel retainers. **GM ONLY** – no aftermarket
- 3/8 maximum diameter rocker studs/press type **ONLY**
- **NO** pinning allowed
- Stamped steel rocker arms, 1.5 ratio **ONLY**, stock standard adjuster nuts **ONLY**, no roller tips permitted

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PUSH RODS

- 5/16 diameter stock length within .050 shorter or longer

HEAD GASKET

- Minimum thickness compressed .040

CAMSHAFT DRIVE

- Timing chain **ONLY**. **NO** gear or belt drive

CAMSHAFT

- Hydraulic flat tappet
- Maximum intake lift .290 measured at tappet or push rod end
- Maximum exhaust lift .300 measured at tappet or push rod end

LIFTERS (TAPPETS)

- Hydraulic only .842 diameter

OIL PAN

- Stock OE maximum 5 qt capacity
- **NO** windage trays, scrapers, trap doors or added baffling

INTAKE MANIFOLD

- Cast iron quadrajet **ONLY**
- **NO** porting, polishing, acid etching, relieving, etc.

EXHAUST MANIFOLD

- Stock cast iron **ONLY**
- **NO** center dump or rams head style. **NO** header or individual tube type

CARBURETOR

- Quadrajet **ONLY**
- Completely stock
- **NO** alterations **EXCEPT** for removal of choke plate

AIR FILTER

- **NO** aftermarket filter or containers permitted
- Must use stock stamp steel filter container with lid completely closed with complete length snorkel
- **NO** duct work to air inlet

IGNITION

- Stock HEI **ONLY**
- Stock module
- Stock advance curve
- Stock coil

****RANDOM INSPECTION WILL INCLUDE P AND G TEST AND K-TECH WHISTLER. COMPRESSION RATIO CAN NOT EXCEED 8.5:1.**

If you use the specified crate motor, part#12499529, the cam shaft will be permitted providing it meets the specs as outlined in performance parts catalog.

ANYONE NOT ADHERING TO THE ABOVE RULES AND REGULATIONS WILL BE REMOVED FROM THE ENDURO MAILING LIST AND WILL NO LONGER BE ELIGIBLE TO COMPETE IN ENDURO RACING AT RIVERHEAD RACEWAY!!!

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ENDURO RACING PROCEDURES

1. Starting positions and numbers will be determined by registration. Redraw at the racetrack. See instructions on entry application.
2. Each competitor **MUST** provide a scorer. All score cards will be checked and rechecked. If you do **NOT** have your own scorer, you **WILL NOT** be scored. Scorer must print name clearly on score sheet.
3. The yellow flag will **NOT** be used. You must avoid disabled cars and continue to race.
4. The red flag will be displayed **ONLY** when the track is totally blocked and racing cannot be continued, or if any extremely dangerous situation exists on the track. The race will be resumed with cars in the same position as before the red flag.
5. Racing must be confined to the racing surface. You may not intentionally cut through any part of the infield area to gain a position. If you do, you will be **IMMEDIATELY DISQUALIFIED!**
6. The flagman will indicate the halfway point of the race by forming the letter "X" with two folded flags. When there is one lap left, the white flag will be displayed and when the race has reached the end, either by lap count or time limit, the checker flag will wave.
7. Driver changes are **NOT** allowed.
8. There will be a mandatory drivers meeting and scorers meeting on race day for each individual Enduro.
9. All cars must have racing seat and 5 point seatbelt harness. Driver must wear fire suit, gloves and Snell rated 95 or better helmet.
10. No pit crew to driver communication during the race of any kind.
11. The first car to complete the required laps or the car that is running first at the time limit will be declared the winner if the car is found legal.
12. Each competitor must provide the scorer, and the competitor is responsible for the scorer's actions.
POSITIVELY NO ALCOHOL, DRUGS, OBSCENE OR ABUSIVE LANGUAGE WILL BE ALLOWED IN THE SCORER'S STAND. The scorer should be at the scorer's stand before their car goes on the track or within 10 laps of the prior race. Please check which race your car is in. If the scorer is not in the scorer's stand when the green flag starts the race, the car will be black flagged and disqualified. **NO EXCEPTIONS!** All score cards must be turned into the official scorer at the end of the race.
13. **DECISIONS MADE BY THE OFFICIALS ARE FINAL!!**
MUFFLERS ARE MANDATORY ON ALL CARS AT RIVERHEAD RACEWAY!!!

NO VIDEO CAMERAS, CELL PHONES OR RACING RADIOS ALLOWED IN CARS

DRIVER MUST HAVE HELMET AND FIRE SUIT AT SAFETY INSPECTION

ALL CARS MUST BE REMOVED FROM RACEWAY PROPERTY BY THE END OF RACING EVENTS THAT DAY, UNLESS SPECIFIC PERMISSION IS OBTAINED FROM THE CHIEF STEWARD. IF PERMISSION IS GRANTED, INSTRUCTIONS WILL BE GIVEN AND MUST BE FOLLOWED EXPLICITLY.