

Big Diamond Raceway  
2010 ENDURO RULES  
BIG & SMALL CAR DIVISIONS

Revised 12/18/09

**Steps have been taken to slow "over competitive" stock vehicles to even the competition. More special rules may be added during the season and will be taken on a case by case basis.**

**NOTE: if your car was legal to the prior rules do not assume your car will be legal to these rules (Please read completely).**

**Big Car** = Any American or foreign straight 6, V6, or V8 front wheel or rear wheel drive minimum 4 passenger car with a minimum 104" wheel base

All big cars will run according to rules but MAY have some restrictions to certain models if they become too competitive.

**No Camaro's, Trans Ams, Firebirds, or V-8 Mustangs**

**Small Car** = Any 4 cyl car front wheel or rear wheel drive 4 passenger minimum car with a max wheelbase of 104".

Special rules for Small cars - Any other type model cars shown to be over competitive may have restrictions set forth on them during the season.

Mitsubishi Eclipse / Eagle Talon/ **Plymouth Laser** will be on 6" rim and 6" tire.

No 2 Seated (2 people) cars includes "Honda CRX".

No trucks or station wagons

**All cars must have make and model painted on the driver side doorpost.**

Claim Rule = The series promoter reserves the right to claim any car after an event to insure there is no high dollar cars competing unfairly. Any items such as racing seat, belts window net, and fuel cell, may be removed designated by promoter. Refusal of claim will result in loss of any and all points, position and purse money.

**This rule will be enforced.**

BIG CAR = \$ 750

4 CYL = \$ 750

You must have your car numbers on each door and roof minimum 18" high in a contrasting color.

There will be strict tech afterwards for all cars in money positions.

Antifreeze - Will not be allowed.

All cars must include complete drivers and trunk floor areas.

ENGINE must pull at least 17 inches of vacuum @ 1000 RPM by **BD Raceway Tech gauges.**

Suspension springs **and stops** must match from left side of the car to the right side of the car exactly (height, length, thickness, and equal number of coils).

All suspension components must remain in stock mounting locations and must remain a stock production part with the exception of the springs and shocks. **(NO ADJUSTABLE SHOCKS).**

No Steering Quickners.

No moving, heating, cutting suspension.

You must have all 4 wheels with working brakes.

No Locked Rears.

Caster and camber changes are allowed within the factory adjustments. 1" of shims allowed in front upper control arm max.

No Locked Rears

No working 4wd or all wheel drive (rear drive shaft may be disconnected).

No Turbos or supercharged. (single Carb or Fuel injection Only)

**The engine, drive train, and cooling system must be a stock production part. No Porting, match porting, polishing, or grinding of any kind. Stock rocker arms only. No screw in studs, guide plates, or poly locks. Hydraulic cam and stock type lifters only.**

**EXCEPTION: To allow for head repair: a maximum of two (2) rocker arm studs per head, may be replaced with screw in studs (all other rules still apply).**

**No aftermarket racing parts of any kind except air cleaners and valve covers.**

G.M. 6/8 cylinder cars must use a Rochester carb. (only 1 gasket permitted between carb. and intake. No Spacers.)

All big cars must run a stock automatic transmission with a stock torque converter. No standard shift transmission permitted in big car division.

No air flow improvement devices inside of the air cleaner.

No aftermarket intakes.

No aftermarket exhaust headers or Ram horn exhaust manifolds.

Big Cars: stock cast iron exhaust manifolds only.

Exhaust must exit behind driver.

Must have an operational PCV Valve in place.

Exhaust must exit behind driver.

All lights and glass must be removed (Front window **MUST** be completely replaced with wire mesh with a minimum of 2 - 1" wide x 1/8" thick steel straps, spaced evenly in center of windshield). No windows may be covered.

Sunroof / T top openings must be covered with sheet metal (welded or riveted).

All trim, handles and moldings must be removed.

All interior upholstery must be removed except the dash. **A dash bar welded to the roll cage MUST be installed.**

No mirrors.

Racing seat mandatory / installation subject to inspection.

**Recommended the seat is supported from the roll cage and not the floor (the seat should not have any springs that you would sit on.)  
The seat must support your body (side), head, and neck.**

Cars **MUST** have driver's seat window net securely fastened with disconnect.

Must have suitable safety belts, shoulder straps, and **anti submarine belts (5 point racing type minimum)**. **Racing type seat belts must be dated within 5 years.** Belt installation guidelines are attached following general rules.

Must have racing helmet with face shield or goggles. Helmet must be Snell 95 or better. **M RATED HELMETS** if used, **MUST** wear a fire resistant head sock. **No open faced helmets permitted.**

Fire suit is mandatory.

Leather gloves or racing gloves are mandatory.

Fire Extinguisher with a gauge must be securely fastened, must be mounted within drivers reach.

Fenders must be in place at start of race.

Hood and trunk must have the **springs and stock latches removed** and securely fastened without tools. **No chains or Cables thru hood trunk - Hood and Trunk pins are recommended. Tool Less Entry required on all cars.**

Hood must have hole for fire safety if wheel wells are retained.

Drive shaft must be painted white with safety chain, cable, or hoop at front of shaft.

All Doors must be welded, bolted, or chained shut subject to inspection.

One battery may be relocated in drivers compartment if completely enclosed and secured.

No gutting of inner sheet metal, hood, or trunk or inside of drivers area, except where roll cage extends into drivers door.(Must retain the complete driver and trunk floor areas).

**MANDATORY 4 or 6 point cage, full cage with three (3) minimum. Drivers side and two (2) passenger side door bars. Each door bar must be spaced with two (2) down bars between each bar. A back bar from the top of cage to floor on each side is optional. Minimum (1-1/2" OD minimum, .090 thick minimum). No pipe fittings, threaded pipe, galvanized pipe, or conduit allowed. No bars to extend out of firewall. Cage guidelines are attached following general rules.**

Bars are allowed **at the** rear of car to protect gas tank/fuel cell. These bars cannot connect to the main roll cage. These bars may not reach up over the rear hump of frame, only to the flat of the trunk floor.

Rub rails allowed. No lower than center hub height/no higher than tires. Rub rails **must be between tires only** and must be tight against body, smooth and rounded off subject to safety inspection (NO TIRE CUTTERS OR SPEARS)

No added weight ballast.

Front wheel wells may be removed.

Stock bumpers only – must be in place at all times and must be secured by chains or cables etc... to keep from dropping onto track.

Stock fuel tank may remain in stock position if safe, all stock rear bumper filled tanks must be **removed. No rear facing fuel inlets.**

**A check valve is mandatory in the vent line to prevent leakage in case of a roll over.**

A marine type tank can be located in trunk secured with at least (4) 1" steel straps. Fuel cells allowed. If fuel tank is relocated to trunk area you must have a totally enclosed rear firewall. Fuel line must exit from the top of the tank / cell.

Wheels must be all the same size (13, 14, etc...) and any offsets (max 7" wide = big cars and 4 cylinders). Reinforced right front wheel with 1" lugs recommended for all cars.

Wheel weights must be removed.

Factory aluminum wheels are permitted.

No wheel spacers permitted.

Aftermarket steel wheels allowed – No bead locks or aluminum racing wheels.

6/8 cylinders – 70/75 Series Tires with 7" wide tread

4 cylinders - 60 or above Series Tires with 7" wide tread.

Summer Tread , All Season / M+S combination tires allowed. **No Studded snow tires.**

**Only D.O.T. tires** and may be mix-matched sizes for stagger but still must meet other rules.

No Mascots, decorating, spoilers, flags, or hood scoops added to cars.

No Passengers.

Radiator must remain in stock position (Wire mesh can be installed in front of radiator; however, no reinforcing for added protection in front of the firewall is permitted). **OEM Radiators ONLY.**

No radio communication allowed from anybody other than Big Diamond control tower.

**No spray foam sealants allowed. Many of these are highly flammable.**

**All cars called to post race tech area may not open hoods till told to do so and must have jack, jack stands, and tools. All cars must start on its own without an extra battery, gas, or etc... Must start the way it came off the track. If a car doesn't start for testing, a ten (10) minute time limit will be allowed prior to be disqualified.**

Drivers age 14-17 must have notarized permission release and proof of age.

**AMB Transponders will be required.** They may be rented from the track for \$15.00 per event.

One Way receiving radios are mandatory (freq. 467.6000) by all drivers while on track. On track officials are not responsible to place you in proper position.

NOTE -Any and all rules are geared toward even competition in the spirit of Enduro racing. Anything not covered in the above rules may not be legal and should be asked of the tech man before the race- Do not assume anything is legal and then find out differently in the tech area. We are here to have fun and do not want to see anyone be DQ'ed.