

# ***FAYETTE COUNTY FAIR***

## ***ENDURO 2010***

### **FACTORY STOCK ENDURO CARS**

### **2010 RULES & REGULATIONS**

**Wednesday July 28, 2010**

**Rule #1** ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF TRACK OFFICIALS. THIS DIVISION OF RACING IS CONSIDERED AN ENTRY LEVEL DIVISION.

**Rule #2** NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION UNOBSERVED.

**Rule #3** ANY EQUIPMENT WHICH DOES NOT CONFORM TO THE SPECIFICATIONS OR TOLERANCES CONTAINED IN THE RULEBOOK OR IN THE SPIRIT OF AN ENDURO RACE CAR WILL NOT BE ELIGIBLE FOR APPROVAL. DON'T PLAY THE GRAY AREA GAME!

\*Rules Intent: The intent of these rules is to keep all enduro cars on an even playing field. The rules stated do not cover every car out there. There are cars that came stock with aluminum heads, composite intakes, fuel injection, limited slip etc. The intent of the rules is to keep the particular car stock as possible.

\*\*This rules package is subject to change via majority consensus from the RACE OFFICIALS.

### **CONCEPT & DEFINITION -**

This event has been created to provide an opportunity for the novice or hobbyist driver to participate in a competitive racing event with a minimum of expense. The word "Stock" will mean unaltered and as originally factory produced and installed for the year, make and model. NO "PURE STOCK OR STREET STOCK" race cars. (**No Exotic Vehicles**)

### **COMPETING MODELS -**

1960 or newer American 2-door and 4-door cars. NO vans, convertibles, pick-up trucks, SUV, subcompacts or Jeeps. NO bolt-on tops allowed. NO fiberglass or kit cars. NO 4-Wheel drives. Cars may be rear or front wheel drive. Engines and bodies must be matched make-to-make for year and model. All competing cars must have a factory wheel- base of no less than 95" and be no greater than 128".

## **ENGINE –**

The intent of the engine rule is to keep it stock with no more than 9:1 compression, engines that appear to be outside the general guidelines will be subject to inspection, including pulling intake, valve covers, checking pistons, compression test not to exceed 180# per cylinder. Factory engine and components with one (1) stock carburetor. Carburetor that requires an adapter plate is NOT allowed. No Holley 4412 or other race specific carburetor, NO pressurized tanks or aftermarket electric fuel pumps. Cars with stock electric fuel pump must have a bright colored, accessible cutoff switch on the left side of the dash. Cylinder heads & block must be cast iron. No porting or polishing allowed. No Vortex cylinder heads (unless they came stock on your particular car). Rockers must be steel stamped may not run roller cam or roller rockers. No header or speed equipment of any kind.

NO STROKER MOTORS. Stock intake and exhaust manifolds only. No headers. High performance or aluminum intakes are not permitted. Marine-type intakes are not permitted. Must have a minimum of seventeen (17) inches of manifold vacuum @ 1000 rpm. Engine must be in stock location and position. Aftermarket exhaust pipe/tail pipes are allowed, however they may NOT be over 2½" diameter. Tailpipes may exit in front of rear tires. Car must run under mandatory track sound level of 95dba at 100 feet.

OPTIONAL EQUIPMENT: Engine fan, valve covers, air cleaner, radiator may be replaced with any aftermarket item. May replace distributor with HEI, must have coil in cap (no aftermarket remote coils) Replacement steel pulleys are ok as long as they are not aftermarket.

## **BODIES & FRAME -**

Must be complete and stock, including ALL sheet metal. Drivers door must be welded with a minimum of 10" of weld per seam, or must be bolted shut with a minimum of a 1/8" x 4" flange plate (4 bolts) or chain the door shut with a minimum of 3/8" chain. Top to bottom of door bolted with 5/16" bolts on each side, every 3" apart. Must use fender washers on the inside. Frames must be completely stock. No alterations, bracing, welding, reinforcing etc. May repair frame, replace clip etc. but must do so as to not overbuild the repair, simple plating is allowed. May brace frame rails front and rear with simple round or square pipe connecting the L & R rail together. Must be within 10" of front and rear. X bracing or tying sub-frames together is not allowed. Quick release window net must be used. Spoilers, ground affects, decorations and themed cars are encouraged as long as the affects are adequately secured. Aftermarket nose and tailpieces are OK. Any added metal on body to repair holes or to cover head light/tail light openings must have a gauge no thicker than the stock body (18 gauge or less). Any holes in firewall must be covered with sheet metal, same with rear trunk area.

## **GLASS -**

Removal of all glass and plastic is mandatory including headlight, taillights and directional signal lights. Light bulbs and all mirrors must be removed. May have 1 rear view mirror in driver's area. Tech will remove if found to use it for blocking purposes. Side windows must be removed. Opening is to be taped with 3" duct tape. Windshield may be left in or removed. If removed, it must be replaced with screen mesh (1/2" max. opening) and have at least one center support bar, or Lexan covering the entire opening. Cars without a windshield will not be allowed to run without a hood.

## **WHEELS & TIRES -**

Stock steel wheels not exceeding 7" are to be used. Chrome or spoke wheels may be used but must not exceed 7". Wheels may be 13", 14", 15" or 16". 8" maximum tread width casing. NO grooving or shaving of any kind is allowed. Tires must be street legal, No more than 6 ply, NO truck tires or racing tires. No large lug mud and snow tires or knobblies. All tires must bear DOT insignia and number. No recaps! All rims on car must be same size but can be different off sets. Oversized studs and 1" lug nuts recommended.

## **RADIATOR -**

Only one (1) radiator mounted in stock position. A simple 1-3/4" O.D. hoop may be built in front of the radiator for protection, not to extend above radiator or beyond the bumper. Must mount to frame or bumper with only 2 attachments. May replace stock radiator support with aftermarket steel, no more than 1" square hollow tubing may be used, must not be over built. Subject to inspector's approval.

## **BATTERY -**

Battery may be moved inside the driver's compartment; however it must be securely fastened (strapped) in place and must be wrapped in rubber to prevent acid spillage. NO boat type plastic boxes. Only one battery allowed, any size is O.K.

## **TRANSMISSION & REAR END -**

Transmission may be standard or automatic, but must be stock. No hollow converters or non-stock set ups. Flex plate must be steel. Transmission cooler may not be mounted in drivers area, must be on the other side of the firewall. Rear ends must be stock. GM to GM, Mopar to Mopar etc. Locking rear end is optional.

## **SUSPENSION & STEERING-**

All suspension components must remain stock. No cutting, welding or modifying of components is allowed. Must be in stock location. Stock tie rods, sleeves, ball joints, bushings, idler arm, pitman arm, center link, must be stock. No heim joints or steel bushings. No jack bolts or adjustable spacers allowed. Sway bar if used must have stock type link, no all-thread and both sides must be equal length. Cars must have a minimum of 6" ground clearance from lowest part of frame rail. Ground clearance will be checked. May replace stock steering shaft with aftermarket. No steering quickeners, removable steering wheel ok. Due to low cost and availability, stock appearing racing springs are allowed but must fit in stock locations. Shocks must be mounted in the stock locations.

## **BRAKES -**

Brakes must be stock. Must be standard equipment for year, make and model.

## **BUMPERS -**

NO reinforcement of bumpers is allowed, however they must be chained or cabled to avoid loss on the racetrack. Bumper chains/cables must be 1/4" diameter minimum. Bumper ends shall be bolted to the body to prevent hooking bumpers with another car. Bumpers and front ends that are reinforced creating a "TANK" will not be allowed. Driver will have the chance to modify or will not be able to race. This will be enforced by tech. No trailer hitches.

## **ROLL BARS -**

A roll bar is mandatory (NO galvanized pipe) and must be padded. Must be 1.5" x .120 or 1.75" x .095. Minimum 2-point cage recommended 4-point cage is required; recommend a 6-point cage. Must have support bars between door bars and front uprights/halo to strengthen roll bar in case of a roll over. It is mandatory to have a minimum of 3 door bars on driver's side for safety. May extend 1 bar from roll bar to each front frame rail as long as it does not connect to the radiator and fuel cell simple hoop. Roll bar may be braced from top of hoop 45 degrees to no farther than the rear frame rail. Unibodies must have a minimum 6" x 6" x 1/4" plate on top and bottom of floor with a minimum of four (4) 1/2" bolts. May use larger plates or beams as long as frame rails are not tied together.

## **FRONT SEAT BRACE-**

A front seat brace is mandatory.

## **GAS TANK & FUEL -**

Gas tanks must be moved into the trunk with a coiled vent, not left in stock position. Gooseneck must be cut and rubber hose installed. A metal firewall must be installed between the trunk and passenger compartment. A racing style fuel cell is recommended and may be substituted for the stock tank. May not mount fuel cell lower than the top of the pumpkin. Fuel tanks must be securely strapped and secured to frame or unibody. No plumbers tape! Sheet metal must be added to the trunk area to complete fire pan between cell & passenger area/ground. Gasoline powered cars only. NO fuel additives may be used. Fuel line, if run through drivers compartment must be secured inside of conduit or similar type pipe. Fuel shut off recommended.

## **IDENTIFICATIONS -**

Car numbers must be on both sides and top of car in a CONTRASTING COLOR. Numbers are to be 18" high and 12" wide. For proper scoring numbers must be easily read from grandstands. Numbers must be CLEAN & BOLD. Driver's name is to appear on top, over door in 3" high letters. Car numbers will be assigned in the order that the entries are received. May use an X or letter of your choice if a car with the same number signs up first. Must be at least 8" tall.

## **SAFETY BELTS, SEAT, HELMETS & DRIVERS SUIT-**

Must have factory equipment safety belts and/or harness. Racing belts are optional but highly recommended. Properly mounted race seat is highly recommended. Helmets are mandatory. NO half helmets. NO motorcycle helmets. ("M" Series helmets are NOT roll bar tested.) Closed face is recommended. Snell (SA) 2000 or newer is required. NO EXCEPTIONS. Drivers racing suit is optional but highly recommended; you must wear a minimum of a long sleeve coat and a long sleeve shirt or a long sleeve sweatshirt..

## **BALLAST-**

No ballast allowed. Water tanks must be 25 gallons or less. Fuel cells must not be larger than 35 gallons. Extra metal added to increase weight percentages is not allowed. Roll bars that are filled with any substance to increase rear weight will be disqualified.

**THIS FORM MUST BE FULLY COMPLETED AND MAILED TO:**

Fayette County Agricultural Society Inc  
504 South Vine St  
West Union, Iowa 52175

**ENTRY FEE: \$25 FOR PRE-ENTRY (RACE ENTRY SUBMITTED BY 7/23/10)  
\$35 ENTRY FEE AT THE PIT GATE**

MAKE CHECK PAYABLE TO: Fayette County Agricultural Society Inc

**DISCLAIMER**

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 all events, and by participating in these events, all participants are deemed to have complied with these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The Technical and Race Directors shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

DRIVER'S NAME (Print) \_\_\_\_\_

SOCIAL SECURITY # \_\_\_\_\_

DATE \_\_\_\_\_ The driver assumes responsibility for actions of Car Owner, Crew Chief and Pit Crew. All must abide by all rules, regulations and decisions as well as the stipulations announced by the Technical Director and Race Director. 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 all events, and by participating in these events, all participants are deemed to have complied with these rules. **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.** They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

**DRIVER'S SIGNATURE** \_\_\_\_\_

PHONE ( \_\_\_\_\_ )

STREET \_\_\_\_\_ CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

SPONSORS \_\_\_\_\_

EMERGENCY CONTACT PHONE ( ) \_\_\_\_\_

KNOWN MEDICAL CONDITIONS \_\_\_\_\_