

2009 ECAR PURE STOCK CLASS RULES

1. BATTERY:

- A. Must be completely enclosed within a marine type plastic or steel box with an absorbent material covering top of battery (not required if gel type batter).**
- B. Battery must be fastened to the floor or frame.**
- C. All cars must have battery disconnect switch on positive cable.**
- D. Disconnect switch must be marked in a bright contrasting color.**
- E. Switch must be accessible to track officials behind the drivers shoulder.**

2. BODY:

- A. Front engine, rear wheel driver mandatory.**
- B. Steel-bodies cars only; no convertibles, t-tops, or sun roofs allowed.**
- C. Entire body must remain factory stock appearance and materials; no after market fenders, hoods, doors, bumpers, clips, etc., allowed. After market nose is allowed.**
- D. Body must replicate showroom original shape and appearance.**
- E. Doors may be skinned to allow fitting roll cage.**
- F. Front inner fenders may be removed if not required by suspension.**
- G. Replacement parts made to OEM specifications are allowed.**
- H. No updates, backdates, options, etc., are allowed. The car must appear mechanically and cosmetically as it did coming out of the factory.**
- I. Fender openings may be trimmed one (1) inch from the original lip for tire clearance.**
- J. All holes in driver compartment floor and front and rear firewall must be plugged or covered with sheet metal.**
- K. No mirrors allowed.**
- L. No radios allowed.**
- M. Must have tow hooks or chain loop on each end of car.**
- N. Must have racing approved window net with quick release at top.**
- O. Bumpers must be mounted outside of any reinforcement.**
- P. Ends of rear bumper must be strapped to fenders.**
- Q. A mandatory protective screen must be installed, screen must cover the full windshield opening. Center vertical support mandatory. Screen to be maximum at 1/2" square openings.**

3. BRAKES:

- A. Required on all 4 wheels and in working order at all times.**
- B. No aftermarket proportioning valves.**
- C. All brake components must remain OEM or OEM replacements.**

4. CAR APPEARANCE:

- A. Must be painted (NO primer).**
- B. 18" numbers on each side of car and on roof.**
- C. Roof numbers read from right side of car.**

- D. No more than 3 numbers or number/letter combinations.
- E. No fractional numbers.
- F. Numbers must be contrasting colors to the car or outlined.
- G. Must have 4" front and rear numbers.

5. CARBURETION:

- A. Single carbs only.
- B. Four barrel carbs not allowed.
- C. Two (2) barrel carbs, OEM type 500 CFM flow max. Non-original carb for manufacturer is allowed; 4412 Holley's are not allowed.
- D. Carb adapter allowed 1" maximum height.
- E. No fuel injection, water injection, turbo's, super-chargers or nitrous oxide.
- F. Two (2) throttle return springs required.

6. ENGINES:

- A. Must be same make as frame/suspension and body.
- B. Must have cast iron block, heads, and intake.
- C. Hydraulic factory cams only; must have smooth idle at 800 RPM.
- D. No solid, flat, tappet, or roller cams allowed.
- E. Maximum compression ratio 9:3:1
- F. Combustion chamber volume of heads must be at least 67cc; no "fuelies" or 4V or W-2 heads allowed.
- G. No porting or bowl work allowed.
- H. No domed pistons.
- I. No engine set back or offset.

7. EXHAUST:

- A. Cast iron manifolds only.
- B. Must exit under car, behind driver.
- C. Mufflers required.

8. FRAME:

- A. Sub-frame connectors allowed on unibody cars.

9. FUEL:

- A. Pump gasoline only (no alcohol or racing fuel).
- B. Fuel cells mandatory, must have positive seal and roll-over vent check valve.
- C. Fuel cell must be securely fastened to frame or floor pan.
- D. All fuel lines must run under car or be encased in conduit.
- E. Must have minimum of 2 1/2lb fire extinguisher securely fastened within reach of driver.

10. RADIATORS:

- A. Must remain in stock location.
- B. Minor radiator protection is allowed, must be same material or lighter than roll cage.

11. ROLL CAGE:

- A. Minimum 4-point roll cage.
- B. 1 3/4" diameter tube with .095" wall minimum.
- C. Must completely enclose driver.
- D. Minimum of 3 door bars on drivers side and 2 door bars on passenger side.
- E. Must have X-brace behind driver.
- F. All bars within reach of driver must be padded.
- G. Roll cage construction must not impede drivers ability to exit from either side of car.
- H. Roll cage must have a vertical bar in front windshield.
- I. Roll cage must be secured to the frame (or floor pan on unibody car) by welding solidly around each upright bar, or by welding each upright bar solidly to a 6 X 6 X 1/4 plate and then bolting this plate to the frame (or floor pan on unibody cars) by a minimum of (4) 3/8" bolts per plate. (Note: If bolted to the floor pan it must be sandwiched between 2 plates).
- J. All welded angles must have gussets.
- K. Either tubing or black pipe may be used. No galvanized pipe or pipe fittings allowed.

12.SEATS:

- A. Must be bolted or welded to the roll cage only.
- B. High back seat or headrest is required.
- C. Roll cage must support seat back or headrest.
- D. All seats must have steel frames.
- E. Driver must sit within one (1) foot of original position and can not be sitting atop driveline.
- F. Minimum 5-point racing harness required.

13.STEERING:

- A. Steering components must be OEM or OEM replacements.
- B. Quick release steering wheel recommended.
- C. A pad at least 2" thick and 4" diameter must cover steering wheel hub.
- D. Alignment changes are allowed as long as components are not modified.

14.SUSPENSION:

- A. Suspension components must be OEM or OEM replacements.
- B. No weight jacks, no racing springs and no racing shocks.

15.TIRES:

- A. DOT radials only, must be passenger-car type.
- B. No retreads or bias-ply tires. Tread must remain original; no grooving, siping or snow tires allowed.
- C. Tread width measured across the top of tire must not exceed 7 inches.
- D. Tread-wear rating must be plainly visible on the outside of the tire, and must be greater than 250,

also subject to minimum durometer reading of 60.

E. Tires must not protrude beyond body.

F. Mud flaps required on rear of car. Must be within 2" of ground.

16.TRANSMISSION AND DRIVETRAIN:

A. Factory transmissions only.

B. Functional OEM torque converter or OEM single disc clutch only.

C. No aluminum flywheels.

D. 3/8" minimum thickness belting or blanket required on automatic transmissions.

E. 1/4" minimum thickness or SEMA approved scatter-shield required on manual transmissions.

F. Driveline must be painted white.

G. Must have driveshaft hoop, Must be located 4-12 inches behind front u-joint, must be 1/4 X 1/2"

strap steel or better. Hoop must fully encircle driveshaft and be bolted or welded to the floor pan or frame.

H. May change rear axel ration, but must not be higher numerically than 4.11:1.

I. Must have open spyder gears: No limited slips, mini-spools, spools, welded spyders, Detroit lockers, posi- trac, shimming etc allowed.

J. Ford 9 inch rear axels allowed, but rear suspension must remain unchanged from stock.

17.WEIGHT:

A. Minimum car weight is 3400lb. Including driver.

B. No ballast is allowed.

18.WHEELBASE:

A. Minimum wheelbase is 110 inches.

19.WHEELS:

A. Only spoke type wheels or reinforced center stock wheels are allowed.

B. Lug nuts must be 1" in diameter.