

# 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.