

# **Pana Tri-County Fair Demo Derby**

## **2018 SEMI STOCK RULES**

**NEW RULES ARE IN RED**

Stock class is open to all men and women 16 and over. 16 and 17 year old must have a notarized permit signed by parent/guardian. In fairness to all, the following rules and regulations shall prevail.

### **PARTICIPANT REGULATIONS**

Driver may move forward or backward. Driver must make contact every 60 seconds or be disqualified. No sandbagging. If you sandbag the race will be stopped and a sandbagger flag will be put on top of your car. No team driving allowed not even on a sandbagger. Cars must move when hit or show visible damage. No driver's door hits allowed.

### **PREPARATION OF CARS**

This class will be limited to 1980 or newer cars. No screws allowed. NO PLASTIC GAS TANKS (heavy duty plastic racing fuel cells are allowed). No wedging, no sedagons, no jeeps, no trucks (ranchero and el Caminos are considered trucks), no carryalls, no Hearst, no limos, no convertibles. All glass, chrome, pot metal, lights, carpet, headliner, back seats, fiber glass and anything else that is flammable must be removed before reaching the exhibit area (do not break glass down in the doors). Trunks must be empty of all debris, spare tire rims, parts, etc. Wagons must have spare tire flap removed or hole cut in it for inspectors to see. ABSOLUTELY NO welding besides what is stated in these rules. UNLIMITED 9-WIRE. 9 wire cannot go to cage or halo bar. You must have number on both front doors big enough to read and bright enough color to see. Also must have number on roof with name on roof above front doors. Use your choice of number. No profanity allowed on cars.

### **ENGINE**

May use any engine and transmission. You may use engine cradle for sole purpose for protecting engine block. Must only come in contact with motor mounts. The motor mounts are the only thing that can touch the frame. No DP's or protectors of any kind. You may use 2 chains to retain one on each side. No more than two links can be welded to frame. You may use header pipes.

### **RADIATORS**

Stock. Location only.

### **TRANSMISSION**

transmission coolers are allowed. No protectors must be stock.

### **BATTERY**

Must be in a secure position and be covered with something nonflammable like rubber tube, rubber floor mat, etc. Batteries must be secured so they don't move. 2 12v batteries max.

### **SUSPENSION**

Must remain stock. No weld on shocks, no trailer hitches, special lifts, blocks, air shackles, air shocks, air lifts must be deflated. A Arms may be bolted, chained, or wired down. Spring spacers are okay. Leaf Springs must be stock with 2-inch stagger. May have a maximum 4leaf spring clamps per a side. Clamp material maximum thickness of ¼ inch and no wider than 1 ½.

### **REAR ENDS**

Rear ends must be 5 lug. Any car rear end. 1 simple rearend brace allowed on back side only. 3x3 max. No axel savers. No floaters. Locking of rear ends permitted.

**DRIVE SHAFTS**

May be shortened or lengthened or you may use slip drive shaft.

**TRAILING ARMS & A-ARMS**

May be shortened or lengthened with no more than one inch over lap. No other reinforcement.

**STEERING COLUMN/BRAKES/SHIFTER**

You may change the steering column. Brakes must work. You may put shifter on the floor.

**HOOD**

Hood must remain in factory position. 6 hood bolts allowed only 2 may go through the frame outside of radiator. Bolts must not be any bigger than ¾ with washers no bigger than 6 inches outside diameter. You must have 2 holes cut in the hood big enough for fire extinguisher. Not directly over carburetor. You may use 20 bolts around header holes no bigger than SAE 3/8 with washers no bigger than 1 inch outside diameter.

**TRUNK**

You can use 4 ¾ bolts in trunk and 2 may go through frame with washers no bigger than 6 inches outside diameter. Trunk lids must remain on factory hinges. Tucking or V'ing of trunk lid is allowed, but absolutely no wedging. You may chain or nine wire. NO MORE THAN 50% OF TRUNK MAY BE TUCKED. No Sedagons.

**BODY**

No seam welding, no patching. Pre-denting is okay.

**FENDERS**

Fenders may be trimmed and 10 bolts may be used per fender. Bolts are to be no bigger than 3/8 with washers no bigger than 1 inch outside diameter.

**BODY MOUNT BOLTS**

Must be factory. Bushings must be factory. Body bolts if missing a bolt you may replace with same size factory bolt.

**FRAME**

Absolutely no welding on frame. No reinforcing of frame what so ever. You can notch the frame. PATCHING OF FRAMES- Preran cars you can use 4-4x4x1/4 flat plate but frame must have damage. No painting on frames. If frame has been painted, we will NOT inspect it.

**DOORS**

Driver's door may be welded solid with a strap no bigger than 3 inches, on the outside only. All other doors you may weld 5 on 5 off with strap no bigger than 3 inches. Or you may chain or wire doors shut. On wagon's tailgates NO WELDING. You may chain or nine wire in four places.

**CAGE**

You may have a cage with two side bars and three cross bars. The cage cannot extend past the dash area in the front and must be no further back than 2 inches in front of rear inner fender wells. This can be welded in. Absolutely no kickers. You may have a halo bar. None of the cage or halo can connect to the frame. Halo cannot connect to the windshield bars or the roof sign. NO GAS TANK PROTECTORS.

**BUMPERS**

You may use any stock bumper. You may load your bumper inside only from frame rail to frame rail. Outside of bumper must remain stock, front and back. Skin may be welded down. You may collapse and weld shocks. No welding shocks to

frame. Bumper can be welded on with 4 3x3x1/4 flat plate 2 per side or they can be wired, chained or bolted from mount to mount. If you have an aluminum bumper you may change it.

### **GAS TANKS**

Maximum of 6 gallons of gas. Fuel cells/metal boat tanks must be placed in back seat area and properly secured. **NO STOCK TANKS.** Fuel cells must be secured so there is no movement (Do not use bungee cords for this). May be bolted to the floor or cage, but not both. If tank is not secure you will not be running. Fuel cells must have secure caps and be leak proof. All fuel lines must have no leaks. Stock gas tanks must be removed or have holes in them and washed out. **NO PLASTIC TANKS** (heavy plastic racing fuel cells may be used).

### **TIRES**

Fork Truck tires are okay. Tire inside of tire is okay. No fluid inside of tires. Valve stem protectors okay. **NO** reinforcing of rims except around bolt holes (2 inch maximum on outside diameter of lug holes). No implement tires, no tractor tires. This is a stock class it will remain a stock class so do not do any more than what is stated in these rules. Do not do anything to make your car illegal after inspection. If this happens you will be disqualified and no return of entry. Officials have the right to re-inspect you cars at any time.

**SAFETY RULES AND REGULATIONS**

1. Cars must have at least one bar attached from roof down to dash area to prevent hood from coming in.
2. Radiator over flow hoses must be pointed at the ground and fastened so they cannot shoot water towards officials or other drivers.
3. Header pipes must be pointing straight up cannot be aimed towards front of cars.
4. Note if you have a hole in the fire wall it should be covered.
5. Safety belts required.
6. D.O.T. approved helmets mandatory. Any driver using an open face helmet will not be covered by insurance if facial injury occurs.
7. Safety glasses or shield recommended.
8. Mandatory-you must wear long pants and a shirt (fire suit recommended).
9. 2 fires and you are out unless it's a fuel fire then it's just 1 fire and you are out.
10. No alcoholic beverages or drugs allowed in pit area or on the track.
11. **NO PIT PERSONS ALLOWED ON THE TRACK.**
12. Note management does have the right to disqualify a car/driver at anytime. Any person on track or causing trouble and not complying with the rules will be asked to leave (we can have you escorted off or have you arrested and you can be banned from running or being in pit area at any future Demos).
13. Protests must be made no later than 5 minutes after the heat in question. No protests will be taken after feature event. Only Drivers are allowed to protest a car. Officials will reinspect the top cars.