

**Pana Tri-County Fair Demo Derby**  
**2022 SEMI STOCK RULES**  
**NEW RULES IN RED**

This 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 driver given a warning.. 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 to 02 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, fiberglass 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.

**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 overflow 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 re- inspect the top 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**

May be removed but not relocated. .

**TRANSMISSION / CROSSMEMBER**

Transmission coolers are allowed. No protectors must be stock. May have stock crossmember or 2x2 tubing You may weld a piece of 2x3 angle iron 4 inches long on the inside of the frame to mount the crossmember on. Crossmember may be bolted or welded to this angle. **May have a aluminum ultra bell.**  
**No steel bell**

## **BATTERY**

Must be in a secure position and be covered with something non flammable like rubber tube, rubber floor mat, etc. Batteries must be secured so they don't move. 2 12v batteries max. **Battery box must be at least 2 inches away from the crush box.**

## **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, wired down or welded with a max 2" strap with no more than 2" welded on the spring pocket only. Must be straight up and down . 2 straps per a arm. Spring spacers are okay. Leaf Springs must be stock with 2-inch stagger. May have a maximum 4- leaf spring clamps per a side. Clamp material maximum thickness of 1/4 inch and no wider than 1 1/2. May reinforce the center of tie rods or use aftermarket tie rods but must have factory tie rod ends. No Heim joint ends. **Suspension parts may be changed as long as OEM parts are used that bolts on with no welding.**

## **REAR ENDS**

**Any 5 lug or 8 lug rear end may be used. Locking of rear ends permitted. Axle savers, pinion breaks, bracing of rear end is ok.**

## **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 overlap. No other reinforcement.

## **STEERING COLUMN/BRAKES/SHIFTER**

You may change the steering column. Brakes must work. You may have aftermarket shifter.

## **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 3/4 with washers no bigger than 6 inches outside diameter. Can have a 4" tall or less core support spacer free floating between core support and stock frame mount. 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 3/4 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.** You may weld 5 on 5 off with a 2 inch wide straps or use 3/8 bolts in the same manner.

## **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. 1/2 inch

## **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 plates. Frame must have damage. Plates must have at least a 4" gape between them. No welding at or on crush boxes other then welding of patch plates. No cutting flap for tilting. Cold bend is ok. No painting on frames. If frame has been painted, we will NOT inspect it. You may beet in the sides of the rear humps from front of arch to rear of arch only. If re- stubbing a car must be pre ran car. If you do it in front of the boxes it must be butt welded. If re-stubbed behind boxes there can be 2" overlap.

## **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 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. You can have 2 down tubes to the flat top side of the frame. Can have one on each side in between the front door seems only, material for this must not be bigger than 6" Halo cannot connect to the windshield bars or the roof sign. **Gas tank holder or 3rd cross bar must be at least 2" away from the package tray. No part of the cage can be past the package tray.**

## **BUMPERS**

You may use any stock bumper. You may load your bumper. Skin may be welded down. OEM replica bumper ok. Must be stock appearing. Chrysler replica point can not be more than 14" measured from the mounting surface to the tip and must be 32" wide at the base of the point. If the point is any bigger you will not run. You may collapse and weld shocks. Bumper may be hard nosed. Bumper can be welded on with 4 3x3x1/4 flat plate 2 per rale or they can be wired, chained or bolted from mount to mount.

## **GAS TANKS**

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). 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 rim. **May have full weld in centers.** 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.**