

## **Imperial Jaycees 2015 Chase County Fair Demolition Derby Truck Rules.**

1. ANY full size 1/2, 3/4, or 1 ton pickup truck, blazer, SUV, Suburban, or Van may compete. No compact truck, foreign truck, or passenger cars allowed. 4x4's may compete with the front drive shaft removed.

2. BATTERY must be removed from stock position and installed inside passenger compartment. It must be bolted securely to the floor with large bolts, nuts, and washers. The battery must be secured over the top with a metal strap, original gas tank strap, or stronger material. No wire, ratchet straps, bungee cords, or sheet metal screws allowed securing battery. These are only used to secure the cover over the battery. The battery must be covered with a non-flammable material. Any bolts to secure battery must be 3/8" to 1" and washers 1" to 5"x 5" this also pertains to gas tank, transmission cooler, and driver's seat all of these may be welded in also.

3. BRACE BARS must be a 2"- 6" square or round metal bar, 1/8" thick minimum placed directly behind the driver's seat with a MINIMUM of 6"x 6" metal plates on the ends of safety bars. The plate must be at least 1/8" thick and attached to the ends of brace bar and secured to truck by bolting, or welding to the heaviest part of doorpost. It is mandatory that a dash bar and two bars connecting from dash bar along both inside front doors to the bar behind seat are all installed in trucks for your safety. A roll cage must be installed inside the cab or over the top of the cab and this roll over bar must be approved safe before you will be allowed to compete. Kicker bars mounted from the roll over bar to the frame rails in the box area ahead of the front spring shackles will also be required before you will be allowed to compete. You may also run a kicker bar from the halo bar forward to the dash bar for an extra support gusset and this must be approved safe by the officials. One brace bar between the box sides on trucks may be installed in front of the rear wheel wells in the box up with the two kicker bars no farther back than the front spring shackles on the frame rails in the box. All these bars are allowed to be connected to one another but must be in a safe manner.

4. TRUCK PREPARATION It is mandatory that all glass be removed. Broken glass, dirt, and loose debris must be swept from the truck. Do not break the door windows and leave the glass in the door. The rear seats and interior must be removed, head lights, tail lights, tail lenses, DASH, chrome trim, interior and exterior door handles, door lock cylinders, license plate brackets, mud flaps, and trailer hitches including gooseneck or fifth wheel hitch plates must be removed prior to admittance to the race track. After market shifters, brake pedals, headers, throttles and etc. will all be allowed.

5. DRIVER'S DOOR Unlimited. Do whatever you want to the inside/outside of drivers door to keep safe. No grader blades. Must try to conform any extra material to the door.

6. GAS TANK The original tank must be removed and a leak proof fuel cell or boat tank must be mounted in the center of the box bed behind the cab between frame rails for regular cab trucks. Extended cabs, 4 doors or SUV models may have tank mounted in passenger compartment behind driver's seat. This gas tank must be covered with non flammable type material to prevent spillage. No 5-gallon gas cans allowed. ANY USE OF PLASTIC TANKS MUST BE IN A 1/8" THICK METAL BOX AROUND ALL SIX SIDES WITH A MINIMUM OF TWO 1/2" DRAIN HOLES IN BOTTOM OF BOX FOR PROTECTION. The tank must be bolted or welded securely to floor tin only. The tank must be secured over top with a chain, original gas tank strap, or stronger material deemed safe by the officials upon check in. Regular cab trucks must cut a 8" hole in box to run fuel lines through and NO FUEL LINES IN CAB, ALL LINES MUST BE ALONG FRAME RAIL (This is to prevent lines from rupture). Extended cab, 4 door and SUV models, fuel lines may pass through cab. No bungee cords, ratchet straps, sheet metal screws, or wire allowed securing gas tank. These are only used to secure the cover over the tank. The gas tank, electric fuel pump, and all fuel lines must be covered with a non-flammable material. Electric fuel pumps must be hooked up to your ignition switch, so when truck shuts off the fuel pump shuts off.

7. TRANSMISSION AND ENGINE OIL COOLERS also recommend be placed in a metal box or have a shield to protect against ruptures and spraying of hot oil on driver. Regular cab trucks must bolt coolers in box between frame rails behind the cab, cooler lines must go under cab. Extended cab, 4 Door and SUV models may be installed in passenger compartment.

8. WINDSHIELD BARS must be welded or bolted on truck windshield area, to protect the driver and prevent the hood from entering the cab in the event the hood bolts break. Two bars from the top of the windshield to the firewall dash area are required.

9. BUMPERS NO HOMEMADE BUMPERS. You may load a car or truck bumper with material. Any automotive bumper or bumper brackets may be used on the front or rear of vehicle. Bumpers may be reinforced on the inside and outside. Trucks will be required to have bumpers mounted on front and rear of vehicle. Frames may be reinforced with added material and nothing longer than 8" and no wider than the height of the frame on the front and rear of the truck frame rails. No connecting frame rails with added material. You may also use two 4" wide by 1/4" thick strap with no more than 8" of strap welded to the frame and no more than 8" welded to the bumper to help hold your front and rear bumper to the frame. This strap may only be connected to frame and bumper material. You may also use 2 straps on each bumper from bumper to hood and bumper to tailgate/bed. These straps can be 4" wide by 1/4" thick and can weld 5 inches on bumper and 5 inches on body. Can also use wire/chain.

10. CAB AND BOX MOUNTS may be removed. Body bolts may be replaced with a MINIMUM size of 5/8" bolts and a MAXIMUM size of 1" bolts. A total of 8 bolts may be used from cab to frame, and a total of 8 bolts from box to frame on any pickup truck. Blazers and Broncos may also use a maximum of 8 1" bolts to hold the cab to frame. Suburbans are allowed to use up to a maximum of 16 1" bolts holding cab to frame. Washers 1/4" thick and no larger than 5"x 5" on top side of box or cab may be used. Use only the standard sheet metal thickness of a regular metal box when replacing a wooden box floor in a pickup box.

11. PICKUP BOX Wedging pickup box sides will be allowed from the rear wheel wells rearward towards the tailgate. If you choose to wedge the box sides do not wedge from the rear wheel wells forward. If you wedge the box sides the tailgate may be mounted flat against the wedged box sides and the floor of the pickup box and welded to the box sides with a maximum of 2" flat strap and only two bolts will be allowed going through the tailgate, pickup box and frame to hold everything in place.

12. ENGINE and transmission of choice maybe used. Motor mounts may be welded, chained, or cabled and added solid engine mounts allowed. Cradles and any protectors will be allowed.

13. EXTRA REINFORCEMENTS: You can have 3"x3" maximum square tubing or angle iron welded or bolted across the radiator core support with no larger than 3"x3" round or square kickers mounted down to the frame rails ahead of the A-Arms and back up to the radiator core support. No metal allowed between fan and radiator.

14. FENDERS front and rear may be rolled, welded or bolted with no added metal.

15. FRAME may be welded. The cab maybe welded to the frame and box to the frame and all riveted frame brackets. The very front 8" of frame and very back 8" of frame maybe reinforced no longer than 8" and no taller than the factory frame. No connecting the frame rails to each other with added metal. Frame may be repaired if broken. Use the same thickness of metal as frame to repair or weld the damaged area with weld bead only. If patches are excessive in anyway they will be cut at judge's discretion.

16. HOOD must remain in factory position. The front two hood bolts must go through the front radiator support mount and frame, all other hood bolts may go to body and/or frame. These bolts and washers may be welded to body and/or frame. Hood may be welded solid with 3/8" filler rod, or 2" flat strap or MUST be bolted, or chained with a MINIMUM of 4 locations and a MAXIMUM of 8 locations. You can use any combination to hold your hood on. A 5"x 5" 1/4" thick washer may be used on top and bottom of hood bolts, to keep bolts from pulling through. The bolts must be MINIMUM of 3/4" or MAXIMUM of 1", (Bolts must not be directly in front of radiator), or MINIMUM chains 3/8" thick. There must be one 12" hole cut into hood for fires and official's inspection and the tin may be bolted or welded around each hood hole opening.

17. RADIATOR must remain in stock position if you use one. Radiator blow by tubes must be secured and remain pointing down at all times. Original or electric fans okay and ratchet straps may be used to secure radiator. Cooling fans must be covered by hood or removed. Air conditioning condenser may be welded to front of radiator support. Aftermarket radiators are allowed.

18. REAR END and front end must not be larger than 1-ton pickup Truck. Rear end only maybe reinforced and hybrid rear ends will also be allowed. No reinforcements on front axle. The rear end may be tied to the frame in two locations with 3/8" cable or chain. Leaf spring trucks must have a 2" stagger, and no double main leafs. A MAXIMUM of 14 leaf springs on rear axle and 9 leafs on front axle. A total of 6 spring helper clamps per leaf pack allowed. The leaf spring mounts may be welded to the frame front, and rear. Welded or posi-track rear end is highly reccommended.

19. SHOCKS: A-Arms and shocks may be welded or bolted solid. No converting original coil spring vehicles to leaf spring suspension.

20. STEERING columns maybe welded in and altered to prevent steering loss. A-arms maybe welded or bolted to the frame to raise front end and prevent them from falling off. There is no max bumper height but do not excessively raise the front end of your pickup.

21. TAILGATE must be chained, bolted, or welded securely to box or removed. Use no larger than 2" flat strap to weld the tailgate solid and you may also use a 3"x3" piece of angle iron allowed to be welded to the box floor and tailgate along inside of bottom of the tailgate in the box.

22. TIRES any ply and tires inside a tire, tubes, solid tires, implement tread tires, valve stem protectors are all okay. No water or other ballast in tires, studded tires, duel tires on rear, split rims, paddle rims, wheel weights must be removed. May use reinforced rims and wheel centers.

23. WELDING All cab and box seams interior and exterior may be welded. The cab and box maybe welded together, and use a fill material to fill in the gap between the cab and box. Doors and tailgate may be welded with metal no more than 2" wide MAXIMUM. If doors and tailgate are not welded, they must be bolted, or chained, with same size bolts or chains as hood, IN A MINIMUM OF 2 LOCATIONS PER DOOR OR TAILGATE for safety. Tops of doors may be beat down and welded. Rust holes or metal tears may be patched. Use a MAXIMUM of 1 layer of stock metal to patch rust or tear use only enough metal to patch hole or tear or just weld it.