

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

## Compact Size Car Rules

**DISCLAIMER TO CAR BUILDERS AND DRIVERS: IF IT DOES NOT SAY YOU CAN DO IT WITHIN THESE RULES, DO NOT DO IT. ALL CARS FOUND TO BE ILLEGAL WILL NEED TO BE CORRECT TO PASS OFFICIALS INSPECTION, CARS THAT DO NOT PASS INSPECTION WILL NOT RUN.**

### TYPE OF CAR:

1. Any stock compact car is allowed up to 3200lbs and up to 106.5" maximum wheelbase. Must be as it states in NADA Blue Book.
2. No V8 engines, 4x4, pickups, or convertibles.

### MANDATORY RULES OF CAR:

3. All glass must be removed from the car. That means All Glass!! This includes:
  - a. Fiber glass.
  - b. Windshields
  - c. Rear Windows
  - d. Side windows
  - e. Mirrors
  - f. Headlights
  - g. Taillights, bulbs and lenses
  - h. Turning lights, bulbs and lenses
  - i. Back up lights, bulbs and lenses
  - j. Items e-h includes all brackets and assemblies that hold these in place
  - k. All flammable materials MUST be removed
4. All chrome molding strips, and molding clips must be removed from the car. This includes the following:
  - a. Hood
  - b. Fenders
  - c. Sides of the vehicle
  - d. Trunk lid
5. The following items must be removed from the passenger compartment and trunk area:
  - a. The passenger and rear seat.
  - b. The headliner
  - c. All inside door panels and window mechanisms inside doors.
  - d. Glass and door handles on all doors.

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

6. All taillights and gauge wire must be cut or removed.
7. Gas tanks may stay in factory locations if they are in front of the rear axle.
  - a. Otherwise, the original gas tank must be removed, and a metal or plastic six gallon maximum capacity tank must be securely fastened in front of the rear axle, inside the car. It must not leak and must be properly ventilated. (Boat tanks are highly recommended). Regular, unleaded, diesel, and aviation fuel will be the only fuels allowed to be used. No exotic fuels. All tanks must be covered with a non-absorbent cover such as a mud flap or inner tube. This is to prevent fuel splashing on the driver. *(All Tanks must be made of metal or must be completely surrounded by metal. NO EXCEPTIONS)*
8. Batteries must be moved to the passenger side front floor and securely fastened and covered. Any and all batteries are allowed. No more than 2 allowed.
  - a. A white rag is required on the positive cable wire close to the battery. (This rule may change depending upon the choice of the fire department and the judges the day of the derby)
9. All trailer hitches, shackles, lift kits, and blocks must be removed. All air shock lines must be cut.
10. All cars will be numbered on both sides in contrasting colors. Numbers must be at least 12" in height. A two sided roof sign is required with the number of the car on all three sides. No Flags on Cars.

## **CAR RULES:**

11. This is absolutely a no-weld class of cars, except what is permitted in the rules.
12. Radiator and cooling systems must remain in stock position.
13. Auxiliary water systems are not allowed. The original or an automobile radiator must be left in its original location. You may remove the fan if desired.
14. Transmission coolers are allowed.
15. All cars must have air cleaners.

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

## DOORS:

16. All doors must be bolted or chained shut.
  - a. The driver side door must be plated on the outside. No Exceptions. You are allowed to plate on the inside also.
  - b. The driver's door may be welded shut.
  - c. Maximum of 9 bolts/chains per door.
  - d. The driver's door may be reinforced on the inside and outside of the car. The inside of the door may be padded if DESIRED. The only restrictions to this rule at present are: *As of 2006 all cars must have a bar door post to door post behind the driver seat. No exceptions.*
  - e. Any bar located in front of the driver for the purpose of reinforcing the driver's door may extend from driver's side door to passenger side door across the firewall. You may also;
    - i. Extend from driver's side door diagonally to passenger side frame. You can weld or bolt to frame.
    - ii. Extend from driver's side door, parallel to the floor and not exceed 12 inches past the center of the car before it angles directly to passenger side frame you can weld or bolt to frame.
    - iii. A bar may be added to passenger side front and rear protection bars if it is at least 10" away from the passenger door.
    - iv. Only one front protection bar may be used. You may **not** go to both the frame and the door post
    - v. NO GRADER BLADES ON DOORS. Reinforcement to outside or door may only extend 6" past door seams of car toward the front and the back. Please taper all corners so as not to rip sheet metal or other cars.
17. 2" to 4" pipe behind driver's seat. It must have a 6" minimum or 16" maximum plate welded on both ends and bolted or welded to the car. (For safety only no support members)
  - a. You can add an extra bar on both sides 4pts from cage to frame.

## FRAMES:

18. Homemade motor mounts, transmissions mounts, and rear-end mounts will be allowed to be welded to the frame.
  - a. Motor mounts can be welded to the frame but must be 4" in front or 4" behind the original motor mount.

## HOODS:

19. Hoods may be bolted, strapped or chained down. (Can only pick two)

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

- a. **If bolted:** It may not be bolted in more than six (6) locations and the maximum size of material will not exceed (1) 1" ready rod (2) washer plate size must not exceed 4x4" (3) No bolting of material will be allowed to be placed in front of the radiator for the purpose of protecting the radiator. Addition for 2006...All cars will be required to have 2 bars or rods in the window to keep hood from coming in on the driver. NO EXCEPTIONS.
- b. **If Strapped:** It may be strapped from hood to front bumper in only two locations and the maximum size of material to be used will not exceed 2" wide by 3/8" thick and no longer than it takes to reach from the hood to the bumper to be attached. No strapping material will be allowed to be placed directly in front of the radiator for the purpose of protecting the radiator. Straps can be bolted only.
- c. **If Chained:** No more than two (2) single strand wraps will be allowed from the bumper to the hood. No chains will be allowed to be placed in front of the radiator. Chains can be bolted only.
  - i. All hoods must be left in their original stock location. A hood may be bent over the front bumper provided the hood has not been slid forward.
  - ii. All hoods bolted, strapped, or chained will have to have two (2) fire extinguisher holes in the hood, one (1) on each side of the carburetor, a minimum of 6" in diameter.
  - iii. Hood may be folded to top of the fender only not down the side. This will be a judge's call. Use discretion when doing so or you will be made to cut it if the judges feel it is on the side of the fender. Hood may not be folded to cover the radiator of the car.

20. You must add two rods from the roof to the cowl to keep the hood down.

## TRUNKS:

21. All trunk lids must be bolted, strapped or chained shut. Pick two.

- a. **If Bolted:** It may not be bolted in more than four (4) locations and the maximum size material to be used will not exceed (1) 1 "diameter ready rod (2) washer plate size must not exceed 4"x4".
- b. **If Strapped:** It may be strapped from the trunk lid to the rear bumper in only two (2) locations and the maximum size material to be used will not exceed 2" wide, 3/8" thick and no longer than it takes to reach from the bumper to the trunk to be attached.
- c. **If Chained:** No more than two (2) single strand wraps will be allowed from bumper to the trunk.

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

22. You can add two rods from the roof to the rear deck to keep the trunk down.

## **SUSPENSIONS: NO MODIFICATION:**

23. No modification to the front or rear suspensions are allowed.

- a. All shackles lift kits, and blocks must be removed.
- b. No welded or modified shocks.
- c. All air shocks must be cut.
- d. No more than a total of 8 leaf spring clips will be allowed on the car.
  - i. A maximum of 2 in the front and 2 behind the rear differential on each side.
  - ii. These clips must be similar in size to the original if not the original stock clips.
- e. The rear differential must sit on top of the leaf springs.
- f. Exceptions
  - i. Chains will be allowed to make repairs if and only if, a ball joint has been broken.
  - ii. You will be allowed to chain the rear-end to the body or frame.
- g. No welding on leaf springs will be allowed.
- h. The lower part of the strut up to 6" may be welded, but no added material is to be used for support other than welding wire or rod.
- i. Cars must remain at stock height. Judges' discretion applies.

## **BUMPERS:**

24. Bumpers may be welded to a chain that is welded to the bumper only. No direct welding of the bumper to the frame.

- a. Bumpers and Bumper mounts can be changed. They must be off a compact or sub-compact car and cannot be wider than the car.
- b. A 5x5 plate (3/8" thick) may be welded to the bumper only.
- c. Homemade bumper mounts to frame made of 3/8" metal can only be bolted up to 6" on frame.
- d. You can use a min of 4x4 or a max 5x5x1/4" Straight - Square tubing for a bumper. It must be capped but have a hole to view the inside.
- e. You must round the edges down to a 45-degree angle, and must not be beveled, formed, pointed, or altered in any way.
- f. Homemade bumper mounts made of 3/8" metal may attach to bumper 4x8" and welded up to 4" on frame.

## **TIRES:**

25. Any tire with any tread. NO studded tires or long bar/short bar tires on drive tires of car. This means NO skid steer, rod weeder, or tractor type tires.
- a. You may protect valve stems.

# BOX BUTTE COUNTY DEMO DERBY

REVISED March '25

## **OTHER ALLOWED PREPERATIONS:**

26. Transmission coolers are allowed.

27. You may use screw up to 1/8" in size to screw the car together. There must be a 2" gap between screws.

28. You may use screws or bolts on the car to tie the sheet metal together.

- a. Screws or bolts larger than 1/4" in size and below 1/2" in size must have a 4" spacing between them.

## **ALL OF THE ABOVE RULES WILL BE STRICTLY ENFORCED**

**All contestants in the Derby are independent contractors. The Box Butte County Fair Board or their representatives reserve the right to approve or reject any and all entries. The Box Butte County Fair Board and anyone involved in promoting or participating in the event will not be held responsible for any cars, parts, or personal property before, during and after the event. All cars not removed by midnight the night of the show will become the property of the Box Butte County Fair Board.**