

Box Butte County Demolition Derby
Full Size Car Rules

Type of Car

1. Any American made stock, hard top automobile or station wagon is allowed. No trucks, convertibles, jeeps, hearses, limousines, or ambulances are allowed. **No pre 1974 Chrysler Imperials.**
2. The definition of stock as considered is as follows; Modification of a vehicles body, frame, or bumpers by adding steel, pipe, or other foreign materials to the car to assure greater strength is not permitted except that which is listed and permitted within these rules.

Mandatory Preparations of The Car

3. All glass must be removed from the car. That means ALL GLASS!! This includes fiber glass.
 - a. windshields
 - b. rear windows
 - c. side windows
 - d. mirror
 - e. headlights
 - f. tail lights, bulbs and lenses
 - g. turn lights, bulbs and lenses
 - h. back up lights, bulbs and lenses
 - i. items e-h includes all brackets and assemblies that hold these in place
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 are:
 - a. the rear seat
 - b. the headliner
 - c. all inside door panels
 - d. all carpeting and padding
 - e. heater core must be disconnected
6. All tail light and gauge wire must be cut or removed.
7. The original gas tank must be removed and a metal 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. **No Exceptions (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.**

8. Batteries must be move the passenger side from floor and securely fastened and vocered. Any and all batteries are allowed.
 - a. A white rag is required on the positive cable wire close to the battery.
9. All cars must have air cleaners.
10. Auxiliary water systems are not allowed. The original or an automobile radiator must be left in it's original location. You may remove the fan if desired.
11. All car will be numbered on both sides in contrasting colors. Numbers must be at least 12" in heights. A three sided roof sign is required with the number of the car on all three sides. **No Flags on Cars!**
12. Anytime chain links are welded together, it will be considered strapping.

Frames

13. Frame Welding
 - a. Re-welding factory welds on a car frame will be allowed.
 - b. Home made motor mounts, transmission mounts and rear end mounts will be allowed to be welded to the frame. These moutns may not be strategically placed as to strengthen the frame. Maximun size material 2" wide 3/8" thick.
 - c. Welding frames for repairs of cracked or broken frome rail will be allowed but you need authorization from the judges before welding on the frame. This will be at the judgels discretion.

Trunks

14. The entire outer trunk sema only may be welded, bolted, strapped, or chained shut. (Pick two)
 - a. **If Welded:** The entire trunk lid may be welded and filler rob may be used in the gaps to achieve a dead as long as it is used as a filler only. This will be at the judge discretion.

b. If Bolted: It may not be in more than four (4) locations and maximum size material to be used will not exceed 1" diameter ready rod. Washer plate size must not exceed 4"x4". Angle iron welded to fender and to the trunk lid with bolts through them will not exceed 1" x 1" x 1/8"-6" long in four (4) locations with more than two bolts through each piece of angle iron.

c. If Strapped: It may be strapped from the trunk lid to the rear bumper in only two (2) locations and the maximum size of the 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.

d. If Chained: No more than two (2) single strand wraps will be allowed from bumper to the trunk. If the chain links are welded then the chain will be considered strapping.

Hoods

15. The entire hood may be welded, bolted, strapped or chained down. (Pick two)

a. If Welded: the entire hood may be welded and filler rod may be used in the gaps to achieve a bead as long as it is used as a filler only. This will be at the judge's discretion.

b. If Bolted: It may not be bolted in more than six (6) locations and the maximum size material to be used will not exceed 1" ready rod, washer plate size must not exceed 4"x4". Angle iron welded to the fender and to the hood lid with bolts through them will not exceed 1"x1"x1/8"-6" long in four locations with no more than two bolts through each piece of angle iron. No bolting of material will be allowed to be placed directly in front of the radiator for the purpose of protecting the radiator.

c. If Strapped: It may be strapped from hood to front bumper in only two (2) locations and the maximum size material used will not exceed 2" wide 3/8" thick and no longer than it takes to reach from the bumper to the hood 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.

d. If Chained: no more than (2) single strand wraps will be allowed from the bumper to the hood. If the chain links are welded then the chain will be considered strapping. No chains will be allowed to be placed directly in front of the radiator.

16. All hoods must be left in their original stock location. A hood may be welded to the front bumper provided the hood has not been slid forward.
17. All hoods bolted, strapped, or chined will have two (2) fire extinguisher holes in the hood, one on each side of the carureto, a minimum size of six (6) inches in diameter. If the hood is welded shut there must be at least (1) unobstructed hole cut in it about the engine a minimum of 576 sq. inches. **No exceptions: this rule will be enforced.**
18. No cutting the hood open and then welding the metal over to the fenders or in front of the radiator.
19. You must have a minimum of two braces from the dash area to the roof to prevent the hood from being forced into the car.

Doors

20. All outer seams may be welded, strapped or chined shut, pick two.
21. **All cars** may have a bar on the inside from center door post to center post of passenger side center post to drivers side frame, behind the drivers seat. This brace may have a 6" minimum to 16" maximum plate on the end to weld or bolt to the door post.
 - a. The drivers door may be reinforced on the inside and the outside of the car. This inside of the door may be padded if DESIRED. The only restriction to this rule, at present is, NO GRADER BLADE ON OUTSIDE OR INSIDE OF DRIVERS DOOR.
 1. Protection bar on the outside of drivers door may extend 6" past the door seam toward the front and rear of car. Please taper ends of bar so as not to tear skins on other cars. This will be enforced.
 2. Any bar located in front of the driver for the purpose of reinforcing the drivers door may,
 - a. extend from drivers side door diagonally to the passenger side frame.
 - b. extend from drivers side door, parallel to the floor and not exceed 12 inches past the center of the car before it angles directly to the passenger side frame.

- c. May extend from door post to door post in front of driver.
- d. May be welded inside drivers door only.
- e. A bar may be added to the passenger side front and rear protection bar as long as it is at least 10" away from passenger side door.

ONLY ONE OPTION OF A FRONT DOOR POST REINFORCEMENT MAY BE USED. BAR IN FRONT OF DRIVER MUST NOT EXCEED 4" AND PLATES USED ON THE ENDS OF THE BAR MUST NOT EXCEED 8".

22. **No Modification** to the front and rear suspensions are allowed:
- a. All Shackles, lift kits and blocks and trailer hitches must be removed.
 - b. No welded or modified shocks.
 - c. All air shock lines must be cut.
 - d. No more than a total of 8 leaf spring clips will be allowed on a car.
 - 1. A maximum of (2) in front and (2) behind the rear differential on each side.
 - 2. these clips must be similar in size to the original if not original stock clips.
 - e. The rear differential must sit on top of the leaf springs.
 - f. Exceptions
 - 1. Chains will be allowed to make repairs if, and only if, a ball joint has been broken.
 - 2. You will be allowed to chain the rear-end to the body or frame.
 - 3. ANY CAR WITH REAR COIL SPRING SUSPENSION MAY BE CONVERTED TO A LEAF SPRING SUSPENSION. This conversion must occur with minimal alteration to the cars frame.
 - g. No Welding on leaf springs will be allowed.
 - h. Cars may have no more than 9 leaf springs.
 - i. Cars must have CAR leaf springs and must ride at stock height.

Bumpers

23. Any bumper off of any car may be swapped but must be left in stock location. Bumper may be welded to the bracket and the bracket to the frame with not foreign material allowed other than welding rod. No

cutting bumper brackets and then lapping them together for greater strength. Home made bumper mounts to frame made of 3/8" metal can be bolted or welded up to 6" on frame. Shock absorbers may be collapsed and welded. You may weld the outer seam of the chrome to the inner part of the bumper as long as no foreign material is used. No reversing bumper. You may weld a 6" piece of chain to bumper to frame to keep bumper from falling off.

Tires

24. Any tire with any tread. NO studded tires or paddle tires on drive tires of car.
25. You may protect valve stems on wheels.

Other allowed Preparations

26. A car may have the engines, rear-ends, and transmissions swapped, but they must be left in their original stock locations. No truck rear-ends allowed. No Exceptions!
27. Body mounts may be removed and body of car bolted to frame. No other attachment of body and frame will be allowed.
28. **Only 1 (one) windshield bar may be in place to protect the driver.**

Repair of Car

29. Car body or any sheet metal must be of same thickness of original material and may not be double skinned for repair. If there is an existing hole a patch may be made to cover the hole plus 2 inches around the diameter of the hole. **(example: if you have a 2 inch hole you may use a 4 inch patch)**
30. Car frame may have maximum size material 1/4" thick and may be repaired on two sides only. This may not be double skinned on frame. Damaged area must be cut out. Welding same as rule 28. (NOTICE RULE # 13c)

All contestants in Derby are independent contractors. The Box Butte County Fairboard or their representatives reserves the right to approve or reject any and all entries. the Box Butte county Fairboard and anyone involved in promoting or participation in the event will not be held responsible for any car, parts or personal property before,

during and after the show. All cars not removed by midnight of the show will become the property of the Box Butte Fairboard.