



8 CYLINDER RULES & REGULATIONS

Safety for spectators, officials, drivers and crews is our number 1 concern. Fire, flying debris, and impact injuries. Keep these things in mind when stripping, building and running your derby vehicle!

**THIS IS ALL ABOUT THE SPECTATORS AND COMPETITORS HAVING FUN
NO- TAG TEAMING/TEAM DRIVING!!! NO- SANDBAGING!!! NO- WARNINGS!!!
Immediate Disqualification! (Judge's Discretion)**

1. Open to any make or model of car-foreign or domestic. EXCEPT the following:

Convertibles, Vehicles with T-tops, Ambulance, Hearses, El Camino's, Ranchero's, Pre 1974 Chrysler Imperials. This includes imperial sub frames. Or pre 1972 Lincoln's.

There will be ZERO tolerance!

2. Mandatory Stripping of a Car:

- Remove all glass, lights, lenses, mirrors, and hardware.
- Remove all body trim, hubcaps, and exterior ornaments.
- Remove fuel tank.
- Remove trailer hitch and all mounting hardware.
- Remove all interior upholstery, plastics, carpet and trim EXCEPT front seat. (You may change seat but must be secure).
- Prior to tech inspection car MUST be cleaned of all loose objects, glass, and debris.

3. Building a Safe Competitive Car:

The tech judge's decisions will be final!!

Arguing or yelling at officials could result in disqualification from the entire event.

- There will be no welding on a car EXCEPT where specified. (field repairs are allowed but must be approved by tech before repair is even started)
- There will be no reinforcement EXCEPT where specified
- If it doesn't say it's ALLOWED then it's Not ALLOWED
- All vehicles will be checked for working brakes. The driver must be able to stop the car.
- Mandatory seat belt - Lap belt is the minimum requirements. All cars will be checked for working seatbelts every time they enter the ring. If your seatbelt doesn't work, breaks or you remove it during the heat you will be disqualified from that heat.

4. Doors and Door Reinforcements:

- We will allow almost a cage built around the driver built out of sturdy, easily assembled materials.
- Front and rear crossbars are mandatory. They can be bolted through the entire door, doorpost or front fender attaching to the door bar. Attached from one door bar reaching across the car and attaching to the opposite door bar.
- Or the cross bar its self can go through the entire door or doorpost and be welded to the door bar.
- Front crossbar must be placed above or below steering column in front of driver. Rear crossbar must be placed against or as close to the back of the seat as possible. (If your seat breaks off and is flopping around you will be disqualified from that heat)
- As a minimum the driver's and passenger's doors MUST be reinforced with Channel Iron, Box steel, or I-beam. 2"x6" minimum, 3"x12" maximum. 3/16 minimum thickness with a maximum length of 72" (6' feet)
- As a minimum the door bars must extend 4" on either side of the driver's and passenger's doors.

- Ends of the bars must be chamfered, beveled, or rounded.
- Door bars must be bolted with a minimum of four (4) $\frac{3}{4}$ " bolts through the entire door/doorpost or fender with a good size washer. (1" in bolt) recommended. Crossbars can be welded to door bars. (Not the car body)
- Door bar can extend 8" maximum ahead of the front fender/door seam.
- Placement of bolts: Beware of drivers' movement inside vehicle
- If the DRIVER'S or PASSENGER'S door bar falls off – you are automatically disqualified from your heat.
- All doors must be chained as a minimum. Stitch welds in 5" increments are acceptable. $\frac{3}{16}$ rod can be used as filler. No flat bar or angle iron. (driver's door can be welded solid) Bar clamps are also acceptable.
- Upright/roll bar is mandatory attached from floor or rear crossbar to roof near driver for roll protection.
- Head rest optional, but MUST be secure.
- It is mandatory that the driver's door be padded. You can pad anything you could get tossed into around the driver.

5. Hoods:

- Car hoods are mandatory.
- Hood must have a large enough hole suitable for fire extinguishing 12"x12" minimum.
- The outer skin of the hood can be bolted to the framing of the hood. Number of bolts is up to you but be Reasonable! 1\2" bolts with 2" washers maximum.
- Hood must be bolted or chained in a minimum of four (4) places and a maximum of six (6). Two (2) of the six (6) bolts may go through the frame.
- Maximum bolt size 1" $\frac{3}{4}$
- Maximum washer size 5"x5" or 25sq. Inch.

6. Trunks:

- Trunk lids are mandatory.
- Must be bolted or chained in four places. Two (2) of the four (4) bolts may go from the trunk lid through the frame. Or trunk lid can be welded in 5" stitch welds. $\frac{3}{16}$ rod can be used as filler. You can only use one of these three methods.
- Station wagon end gates can be secured with a maximum of four (4) chains or 5" stitch welds. $\frac{3}{16}$ rod can be used as filler. You can only use one of these two methods.
- Maximum bolt size 1" $\frac{3}{4}$.
- Maximum washer size 5"x5", or 25sq.inch.

7. Battery:

- Battery must be relocated to the passenger side floor securely fastened by nuts, bolts, and washers. Metal battery box recommended.
- Battery must be covered by rubber mat or in a marine battery case.
- Maximum of two (2) batteries.

8. Electric Switches:

- If used must be uniformed. Up/forward for on, down/back for off.
- It is strongly recommended that any electrical system used be fused.

9. Fuel System:

- Fuel leaks or potential leaks will NOT be tolerated.
- Fuel tank can be any metal tank, or fuel cell. NO PLASTIC.
GAS TANKS must be metal. Five (5) gallons capacity maximum located in the rear seat area of the car securely mounted with nuts, bolts, and washers. No screws or bungee cords. Holes must be cut

in the floor near, around or under the fuel tank for drainage.

- MUST have floor plugs removed.
- Fuel lines entering through the firewall into the passenger compartment MUST be as much steel line as possible. Lines must be securely fastened.
- Short rubber line connectors are acceptable.
- Fuel pump type is optional.
- Canadian pump gas **ONLY – NO ADDITIVES.**

10. Cooling System:

- Must remain in front of engine.
- You may put a steel plate in front of radiator welded to the two (2) bolts that go through the frame to support the plate or plate can be bolted to the core support in front of radiator. If bolted it can only be bolted on each side not across the top and bottom.
- Maximum plate thickness of 3/16.
- Holes or designs may be cut\drilled in plate for airflow.
- NO welding to frame. Plate can be level with the top of frame rails but not drop in between them.

11. Air Intake and Exhaust System:

- Must have an air cleaner assembly with a filter element to act as a flame arrester.
- Exhaust must exit the engine compartment through the hood or under the car - manifolds alone are **NOT** enough.

12. Bumpers:

- May be interchanged from year to year - model to model, but MUST remain stock to manufacturer (GM to GM, Ford to Ford, etc.)
- Bumpers may be inverted and trimmed.
- Bumper shocks may be collapsed and welded.
- Bumpers may be welded to bumper brackets and bumper brackets to frame. NO ADDED material. Such as fishplates, angle iron, or pipe. WELDING RODS ONLY!
- You are allowed to use two (2) single rapped chains on each bumper, for support ONLY.
- Maximum bumper height from the ground to the bottom of the bumper is 19 ½". (Tech Officials Discretion)
- No truck bumpers.
- Material may not be added; amount of weld is at tech's discretion (object of welding bumpers is to keep debris out of the ring - NOT to build a battering ram).

13. Tires and Rims:

- Any size of rim that fit's the bolt pattern. Rim CAN NOT be altered, modified, or reinforced. With the exception of egging the holes slightly.
- No split rims are allowed.
- Valve stem protectors and tubes are acceptable.
- Maximum tire height is 31".
- NO studded tires.
- Air only in tires. NO additives, liquids, solids, or fillers.
- Wheel wells may be trimmed for clearance and the outer fender can be bolted to the inner skin using a maximum of six (6) bolts per wheel well. ½" bolts with 2" washers maximum.
- All wheel weights needs to be REMOVED.
- DOT tires only. NO forklift, implement, flappers, or double tires are allowed.

14. Engines, Transmissions, and Differentials:

- Engines may be interchanged from Ford to Dodge, Chev to Ford. etc. Must remain within 3" of the stock location of the car it's in.
- NO welding of engine mounts to frame. Bolts ONLY you may build mounts but they MUST bolt to the frame and engine.
- Engine mounts and transmission mounts may be chained.
- Shifter type is optional.
- Differentials may be swapped; Dodge to Chev, Chev to Ford.

15. Steering and Suspension:

- Air shocks will be allowed. No rigid suspension will be tolerated.
- Rear lower trailing arms may be shortened.
- Rear coil springs may be chained or tack welded to the differential ONLY.
- Dropping of center link is optional.
- Air bags are prohibited.
- Steering columns may be lowered. Stock components ONLY NO U-JOINTS.
- Spring packs must remain stock (extra leafs may not be added) maximum of 9 leafs with stock stagger.
- Spacers between diff and spring pack is prohibited.
- Rear leafs may be banded or shackled with a maximum of 4 per side (4 on driver's side, 4 on passengers side).
- Movement of spring mounts is prohibited.

16. Paint and Body:

- Drivers door must be painted WHITE ONLY!
- White vehicles are not allowed.
- Car can be any other contrasting color(s).
- No profanity as decoration or advertising.
- No cloning of paint jobs.
- Roof signs are acceptable, but MUST be bolted securely.

17. Optional Extras

- You are allowed to put a maximum of two (2) upright bars in the front and rear windows either straight up and down or in an x pattern. 2" maximum size. Pipe; flat iron, square tubing, channel, or angle iron.
- Front attached from roof to fire wall-using bolts only. No welding!
- Rear attached from roof to speaker deck only. (Remember if you do this, the bars MUST be attached as specified. No other methods will be accepted!)
- If your vehicle is illegal, you will get a chance to fix what is wrong. If you cannot make your car legal you will be disqualified and entry fee will NOT be refunded.
- **Please note: These rules were designed for fair play, sporting, no advantages or disadvantages to first time drivers, or veterans.**

The Pioneer Threshermans Association reserves the right to alter, amend, add, delete, or modify these rules at any time without prior notice.

For more info, registration, car numbers etc. Please contact us:

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Entries will be accepted until 11:30 am on Race Day.