



4 - 6 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 car!

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

1. Open to any make or model of car-foreign or domestic with a wheelbase of 105" or less EXCEPT the following: Convertibles or cars with T-Tops. **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. (Seat may be changed but must be secure)
- Prior to tech inspection car MUST be cleaned of all loose objects, glass, and debris.
- If you are running a fuel-injected car you may leave dash, gauges, and ignition only keep what is necessary to make the car run. (Do so at own risk as dashes are very flammable)

3. Building a Safe Competitive Car:

- The tech judge's decisions will be final!!! Arguing or yelling at officials could result in disqualification from entire event.
- There will be no welding on a car EXCEPT where specified. (Field repairs are aloud 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. (*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 from sturdy, easily assembled materials.
- Front and rear crossbars are mandatory. They can be bolted through the entire door, doorpost, or fender attaching to the door bar.
- Or the crossbar its self can go through the entire door, doorpost, or fender and be welded to the door bar.
- Front crossbar must be placed above or below the 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 door's MUST be reinforced with Channel Iron, I-Beam, Box Steel 2"x6" minimum 3"x12" maximum. 3/16 minimum thickness with a maximum length of

72" (6' feet)

- As a minimum the door bar must extend 4" on either side of the driver and passenger doors.
- Ends of the bars must be chamfered, beveled, or rounded.
- Door bars must be bolted with a minimum of four (4) 3/4" bolts through the entire door/doorpost or fender with a good size washer. (1" in bolt) recommended. Crossbars can be welded to the 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
- Remember, if the DRIVER'S or PASSENGER'S door bar falls off - you are automatically disqualified from your heat.
- All doors must be chained as minimum. Stitch welds in 5" increments are acceptable. 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 also 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. 8"x8" hole minimum.
- The outer skin of the hood can be bolted back 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 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 or chains can be used.
- Maximum bolt size 1 1/4", minimum bolt size 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. 3/16 rod can be used as filler no flat bar or angle iron. You can only use one of these three methods.
- Station wagon tailgates secured with maximum of four (4) chains. Or stitch welded in 5" increments. 3 1/6 rod can be used as filler. No flat bar, angle iron, or pipe.
- Maximum bolt size 1 1/4", minimum bolt size 3/4"
- Maximum washer size 5"x5", or 25sq.inch

7. Battery:

- Must be relocated to the passenger side 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 systems be fused.

9. Fuel System:

- Fuel 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 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 stock and in front of engine.
- Anti-freeze MUST be drained and filled with water ONLY!
- Fan type optional.
- 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 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 can be cut in plate for airflow.
- No welding to frame. Plate can be level with top of frame rails but not drop in between them. This is to make cars last longer in heats.

11. Air Intake and Exhaust System:

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

12. Bumpers:

- Bumpers must match make, model and year.
- Bumpers may be trimmed.
- Bumper brackets may 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!
- 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.

- NO studded tires.
- Air only in tires. NO additives, liquids, solids, or fillers.
- Wheel wells may be trimmed for clearance.
- All wheel weights to be REMOVED.
- DOT tires only. NO forklift, implement, flappers, or double tires are allowed.
- Wheel wells may be trimmed. Then outer fender may be bolted back to inner fender skin. Maximum of four (6) allowed per wheel well. 1\2" bolts and 2" washers maximum.

14. Engines, Transmissions, and Differentials:

- May be interchanged, but must be bolted to frame and to the engine no welding. May be interchanged Ford to Dodge, Chev to Ford. Etc. You may build mounts but they MUST bolt to frame and engine
- Motor mounts and transmission mounts may be chained.
- Shifter type is optional.
- Differential may be locked (welded)
- Drive shafts may be shortened and U-joints tack welded. CV joints are acceptable.
- Firewalls can be hammered back for clearance.
- Transmission cooler optional. Must be mounted under hood in front/behind the radiator or in the passenger compartment securely fastened with as much steel line as possible with adequate drain holes in floor.
- Optional 3/4" hose from transmission dipstick tube.
- Reinforcement of oil pan and transmission pan is prohibited.
- Engine protectors are prohibited.

15. Steering and suspension:

- Steering must be in stock position. No alterations or modifications are allowed.
- Suspension must remain stock.

16. Paint and Body:

- Drivers door must be painted WHITE ONLY!!!
- White vehicles are prohibited.
- Car can be any other contrasting color(s).
- No profanity as decoration or advertising.
- No cloning of paint jobs if you enter more than one car.
- Roof signs are acceptable, but MUST be bolted securely.

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:

Phone: +1 780 523 4010 or +1 780 291 0353

E-mail: derby@trianglehall.com Website www.trianglehall.com

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