

DRUMHELLER DEMOLITION DERBY



4 CYLINDER RULES & REGULATIONS

1. Safety for spectators, officials, drivers, and crews is our first concern. Fire, flying debris, and impact injuries. Keep these thoughts in mind when you are stripping and building your car.

2. Open to any make or model of car – foreign or domestic with a 4 cylinder engine; automatic or manual transmission.
EXCEPT: convertibles, or t-tops.

3. 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. Dashboard **MAY** stay in.
- Prior to tech inspection car **MUST** be cleaned of all loose objects, glass, and debris.

4. Building a Safe Competitive Car:

- The tech judge's decisions will be final.
- There will be no welding on the car.
- 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 minimum requirements.

5. Doors and Door Reinforcements:

- We will allow almost a cage built around the driver from sturdy, easily assembled material bolted to the car body **ONLY**. Bars may be welded to each other.
- As a minimum the drivers door **MUST** be reinforced with 2"x6" Channel Iron, 6" I-Beam, or 2"x6" Box Steel. 3/16 minimum thickness for a maximum of 76" long.
- Ends of the bars must be chamfered, beveled, or rounded.
- Door bars must be bolted **ONLY** with a minimum of four (4) ¾ " bolts through the entire door/doorpost or fender with a good size washer.
- Door bar can extend 8" maximum ahead of the front fender/door seam.
- Placement of bolts; Beware of drivers' movement inside vehicle.
- Remember, if this bar falls off – you are automatically disqualified from your heat.
- All doors must be bolted or chained. Bar clamps are acceptable.
- Doors **MAY** be welded. There can **ONLY** be a 5" stitch and then 5" space between the next stitch.
- Passenger door bar attached in a similar way as above. This bar is optional.
- Cross bar behind the drivers seat is strongly recommended.
- Head rest optional, but **MUST** be secure.
- It is also recommended that the bars door and the steering wheel be padded around the driver.

6. Hoods:

- Car hoods are mandatory.
- Hood must have large enough hole suitable for fire extinguishing.
- Hood must be fastened with a minimum of two (2) chains.
- No bolts allowed ahead of the front rad support.
- Maximum bolt size 1 ¼ ”; minimum bolt size ¾ “.
- Maximum washer size 5”.

7. Trunks:

- Trunk lids are mandatory.
- Must be chained/bolted in four (4) points.
- Bolting of trunk **OPTIONAL**
- Station wagon end gates secured with two (2) chains **ONLY**.
- Maximum bolt size 1 ¼ “; minimum bolt size ¾ “.
- Maximum washer size 5”.

8. Battery:

- Must be relocated to the passenger side floor securely fastened by nuts, bolts, and washers.
- Battery must be covered by a rubber mat or in a marine battery case.
- One (1) automotive type battery **ONLY**.

9. 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.

10. Fuel System:

- Fuel leaks or potential leaks will **NOT** be tolerated.
- Fuel tank can be boat, snowmobile or fuel cell or plastic jerry can as per diagram #1. Five (5) gallons capacity maximum located in the rear seat area of the car securely mounted with nuts, bolts, washers, metal straps, and ratchet straps. **NO** screws or bungee cords.
- A hole/holes must be cut in the floor near, around or under the tank for drainage.
- **MUST** have floor pan plugs removed.
- Fuel lines entering through the firewall into the passenger compartment must be approved metal lines securely fastened with short rubber connections is acceptable.
- Fuel pump type is optional.
- Canadian pump gas **ONLY – NO ADDITIVES**.

11. Cooling System:

- Must remain stock or be removed.
- Anti freeze **MUST** be drained and filled with water only.
- Fan type optional.

12. Air Intake and Exhaust System:

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

13. Bumpers:

- Bumpers **MUST** match make, model, and year.
- Bumpers may be trimmed.
- Bumpers may be welded to bumper brackets and bumper brackets to frame. **NO** other reinforcements allowed.
- Two (2) single rapped chains on each bumper – may be used for support **ONLY** . .

14. Tires and Rims:

- Stock Rims **CAN NOT** be altered or reinforced.
- 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.

15. Engines, Transmissions, and Differentials:

- **MUST** be stock.
- No welding of motor mounts. Bolts **ONLY**.
- Motor mounts and transmission mounts may be chained.
- Shifter type optional.
- Transmission cooler optional. **MUST** be mounted under the hood in front/behind the rad or in the passenger compartment securely fastened with approved steel lines and adequate drain holes in floor.

16. Steering and Suspension:

- Steering must be stock and in stock position. **NO** alteration or modification allowed.
- Suspension must remain stock.

17. Paint and Body:

- Drivers door must be painted white.
- 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 (1) car.
- Roof signs are acceptable, but **MUST** be bolted securely.

The Drumheller Demolition Derby Club reserves the right to alter, amend, add, delete, or modify these rules at any time without prior notice.

For car numbers please call contacts below, entry's will be accepted until 9:00 am on race day.
Over \$5000.00 in prize money as well as over 20 trophies.

*****Please Note: These rules were designed for fairplay, sporting, no advantages or disadvantages to first time drivers, or veterans. *****