

FEE: \$60.00 per heat

4-vehicle minimum per heat for full pay-out
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Brooklin Spring Fair 2024

Demolition Derby Rules for: **FULL SIZE STRAIGHT STOCK CARS – 2024**

Demolition Derby General Rules – 2024 Full Size Straight Stock Cars

The Demolition Derby will be held:

SATURDAY, JUNE 1st, 2024 at the Brooklin Demo Arena in Brooklin at 6:15 P.M. SHARP!

In the event that this Derby is cancelled, the Brooklin Spring Fair Board will not be liable. There is no rain date.

These rules replace all previously issued rules and are subject to change without notice.

<p>ALL DRIVERS <u>MUST</u> ATTEND DRIVERS' MEETING PRIOR TO ANY HEAT OR DRIVER WILL BE DISQUALIFIED</p>
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2024 Full Size Straight Stock Cars - Vehicle Prep Rules

Vehicles Allowed

1. This class is open to all 1980 and newer 6- and 8-cylinder hardtop or station wagons with a wheel base of 106" or longer.
2. **Any stock motor** can be used in the straight stock car class. **(NEW RULE)** No drive line protection, distributor, transmission or pully protection allowed in this class.
3. No trucks, jeeps, vans, Chrysler Imperials, hearses, convertibles, limousines or checker cabs.
4. Cars previously run in derbies **MAY** be considered too badly damaged and unsafe, resulting in disqualification. Call or email with pictures first.
5. **As in all Brooklin Spring Fair classes, a vehicle ownership must be on hand in case of vehicle issues.**

<p>NEW: Please note the change in rules for Vehicle Prep for trucks and full street pro stock NEW: BELT DRIVEN fans may be used as long as the hood is securely in place. No hood -- No belt driven fan. An electric fan may be used in place of the belt driven fan.</p>
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Vehicle Prep

1. Preparation of the vehicle must occur before the vehicle arrives at 'The Fairgrounds'. This includes painting of the frame repairs as outlined.
2. **The Demolition Derby Officials' decision is final when inspecting vehicles. Do not put yourself in a disqualification position by bending or ignoring rules.**
3. 4" x 4" **patches** to be a max ¼" thick
4. All **repairs** must be with stock style components. No reinforcing.

5. All **flammable material** must be removed from the cab area except the dash, driver's seat and seat belt. This includes carpeting, headliner, door panels and trim. All debris, including in the doors and trunk must be removed.
6. All **air bags** to be removed.
7. **Trailer hitches** and frame reinforcements must be removed.
8. **All glass**, windows, mirrors, trim, lights, antennas, ornaments, bezels, interior and exterior must be removed (including bulbs).
9. The **AC system** must be drained.
10. The **cooling system** must be flushed of antifreeze and replaced with water only. Radiator to be in its original position or removed. The over flow tube must be secured to direct the coolant to the ground. No additional protection except stock AC condenser. No reinforcements or guards. Stock type radiators only.
11. *****New***Belt driven fans** may be used as long as the hood is securely in place. **No hood, No belt driven fan.** An electric fan may be used in place of the belt driven fan.
12. **Driver's door** must be painted white, passenger optional (for ease of seeing the number).
13. A CSA approved **fire extinguisher**, with properly functioning gauge, (ABC) must be properly secured within reach of the driver.
14. One 12-volt **battery** must be properly secured to the front passenger floor board area in a box. This area must be clear of all fuel system parts. Once the inspection has been completed, this battery will be covered with a non-flammable material, shield to control possible splashes. One 12V battery only.
15. The **stock fuel tank** must be removed with all loose fuel lines and straps. It is to be replaced with a CSA approved, steel marine fuel tank, plastic approved fuel tank, custom fuel tank or racing fuel cell. The replacement fuel tank will be positioned in the rear seat area centered between the sides. It will be held securely in place, no leaks, and will be covered with a non-flammable splash cover after the inspection. No movement will occur when inspected.
16. All **fuel lines** must have must have leak proof fittings with steel or approved fuel rubber lines (no clear lines). Lines must be inside the vehicle, if possible, secured and protected. For electric fuel systems a **RED** safety shut off switch, for the pump only, must be installed, on the roof or dash in the centre of the windshield opening for officials, safety purposes. The fuel pump must be isolated, and all components covered with a non-flammable material. Any leaks, at any time, will result in an immediate disqualification.
17. **Hoods** must remain open for inspection. A 12" hold must be cut in the centre of the hood. Hoods must be fastened down in a maximum of 8 places with treaded rod, seat belt material, wire, chain or bolted to the fender. **No welding.** Hood latches may be removed. Hoods or rad supports may be wired to the bumper in 4 locations.
18. Front rubber **body mounts** must be in place. These may be substituted with hockey pucks.

19. **Tailgates or trunks** can be wired chained or strapped closed in 8 locations max. 4 of these may be to the rear bumper max. The Trunk can be bent or creased only, **NOT the rear parcel shelf**. A maximum of 2 spots can be bolted with $\frac{3}{4}$ threaded rod and flat washers no larger than 4 inches diameter or square to secure the trunk or tailgate.
20. NO Pre bending body modifications. No body shaping other than the trunk. Used cars do not apply to this rule.
21. Metal may be removed from the wheel openings for clearance. Front fenders and rear quarter panels may be bolted with 5, $\frac{3}{8}$ " bolts maximum. No Body Creasing.
22. All **doors** must be fastened shut with chain, wire or seat belts straps in a maximum of 8 locations. The **driver's door only** may be welded in place with 3" x 3" plates. A 12" x 72" x $\frac{1}{4}$ max plate may be used on the 2 front doors. The Driver's side is strongly recommended. No channel or angle iron allowed. These will be fastened on in 8 locations maximum with $\frac{3}{4}$ " bolts and flat washers' maximum.
23. When building a **roll bar system** be careful not to reinforce the body structure through excessive material. A single roll bar may be used up each door frame inside and across the top. The upper roll bar may be bolted through the roof in 2 locations. It may be bolted or welded to the frame or rocker. If bolted 2, $\frac{3}{4}$ bolts per side . 1 additional bar may be used behind the seat, welded or bolted to the vertical roll bars. The maximum size to be 4" tube, square or in diameter.
24. **Seat roll bar** not to extend past the back of the driver's seat. 1 bar can run down the inside of the door, from dash bar to seat bar. The bar over the roof cannot be attached to any other bar except the rear seat bar. 1 bar can run between the seats, from dash bar to seat bar to secure the shifter. Roll bar highly recommended.
25. The **front window** opening must have a minimum of 1 bar or chain from the front **cowl to the roof**, bolted or welded in the middle. An A or H configuration may also be used. This is to protect the driver only, not reinforce the structure or protect the distributor, if used. No rear window opening bars.
26. **A dash bar** may be used. This is to be a 4" tube, maximum, square or dia. It may be constructed from door frame to door frame but may not contact the firewall or distributor guard. No down bars. Dash bar highly recommended.
27. All openings in the **firewall** must be plugged with similar gauge metal. Large holes in the floor may be securely patched with a similar gauge metal. Do not reinforce. Driver's seat may be tied to the roof or door post to prevent breaking.
28. Car **bumpers** only. Shocks can be removed and bumpers mounted directly to the shock plates at the end of the frame. You may also have the standard 2 pieces of $\frac{1}{4}$ x 2" flat bar welded or bolted to the frame on bumper as long as they do not pass the front of the car and rad support. Wire can be used in 2 places from bumper to rad support. Any stock non-seam welded car bumper can be used (No loaded bumpers.) .

29. Car **differentials** only. Do not reinforce the frame or body. Control arms, trailing arms must be stock. No modifications allowed. No pinion brakes.
30. **Motor mounts** may be welded or chained. Aftermarket mounts may be used. Do not reinforce or add extras. 2 additional safety chains may be used between the engine and upper control arm area. **NO extra chains, wires, straps, etc. from the engine or transmission to the frame or body. No welded links.**
31. Drive **tires** must be low aggression. BREAKING OF THES RULES MAY RESULT IN DISQUALIFICATION. Tires must be air filled only. No split rims, welding stem protectors, bead locks, fastening of tires to rims, studs. All wheel weights must be removed. Tires may be doubled. NO triple sides on the drive wheels.
32. Reinforcement of the frame or body while building guards is not allowed. Any style of engine guard will be fastened to the engine or transmission only. No transmission braces or aftermarket bellhousings. Engine cradles must be designed to protect the drivetrain only, not to be fastened to the body or frame.
33. **Suspensions** are to be **stock** in design. Rear coils may be wired or welded to the differential. No spring blocks or added helpers. Aftermarket or double rear arms allowed. Front suspension steering columns, steering linkage, drive shafts, control arms, ball joints, rea control arms may be exchanged. No reinforcing except the factory tie rod ends.
34. **Differential** gears may be welded.
35. Rusty or bent **frames** may be repaired using 4" x 4" patches max on 2 sides. All repairs must be painted in a bright colour. A maximum of 8 repair plates to be used with 3" between each repair. No frame modifications, tilting, hump plates, welding of seams, shortening, grafting, etc.
36. All rubber **body mounts and stock sized bolts** are to remain in place. Maximum flat washer size is 3". Four additional body mounts using ¾" threaded rod max are allowed. An additional 2 threaded rods, same size, are allowed for the rad cradle. 2 additional stock sized bolts may be added inside the driver's compartment on the floor. Threaded rods must not extend through the bottom portion of the frame.
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***Have a Question?
Contact
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