

Brooklin Spring Fair 2020

Demolition Derby Rules for: **MINI STRAIGHT STOCK CARS – 2020**

Demolition Derby General Rules – 2020 Mini Straight Stock Cars

The Demolition Derby will be held on **TWO DATES**:

THURSDAY, JUNE 4, 2020 at the Brooklin Demo Arena in Brooklin **at 7:00 P.M. SHARP!**

SATURDAY, JUNE 6, 2020 at the Brooklin Demo Arena in Brooklin **at 6:00 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.

**ALL DRIVERS MUST ATTEND DRIVERS' MEETING
PRIOR TO ANY HEAT
OR DRIVER WILL BE DISQUALIFIED**

2020 Mini Straight Stock Cars - Vehicle Prep Rules

Vehicles Allowed

1. Any, 4 or 6 cylinder hardtop or station wagon car is allowed. 6 cylinder cars must have a wheel base of 106" or less. 4 cylinder cars do not have a wheel base limit as long as it is stock.
2. No other seriously altered body designs.
3. No year restriction as long as the wheel base is within the regulations.
4. No 8 cylinder vehicles.
5. No all wheel drives or 4 x 4's.
6. **As in all Brooklin Spring Fair classes, a vehicle ownership must be on hand in case of vehicle issues.**

Vehicle Prep

1. Preparation of the vehicle must occur before the vehicle arrives at 'The Fairgrounds'. This includes painting of the frame patches.
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. All 4" x 4" **patches** or similar repairs, plates 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.
11. The **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 or light steel screen or mesh bolted in, 6 locations. . No reinforcements or guards. Stock type radiators only.
12. **Belt** driven fans **must** be removed and replaced with electric fans.
13. **Driver's door** must be painted white, passenger optional. (for ease of seeing the number).
14. A CSA **approved fire extinguisher**, with properly functioning gauge, (ABC) must be properly secured within reach of the driver.
15. 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.
16. 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. A floating gas tank guard is permitted.
17. All **fuel lines** 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 clearly visible **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.
18. The **distributor** may be protected. Fresh cars must have a 1" clearance from the firewall.
19. **Headers may** be used. They must be directed upward away from drivers and volunteers.
20. **Drivetrain** protectors may be used as long as they are connected to the engine or transmission only. No reinforcing.
21. **Motor mounts** must be stock. NO additional mounts added. Stock mounts may be welded or chained. DO not reinforce.
22. **Body mounts** and the bolts must be of original design and size. 4 additional body mounts using up to ¾" threaded rod are allowed. 2 threaded rods up to ¾" dia are allowed to secure the rad cradle.
23. **Hoods** must remain open for inspection. A 12" hole must be cut in the centre of the hood. Hoods must be fastened down in a maximum of 6 places with, seat belt material, wire, and 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.

24. Metal may be removed from the **wheel openings** for clearance. Front fenders and rear quarter panels may be bolted with 5, 3/8" bolts maximum per panel washers 1/2 " maximum. No Body Creasing.
25. All **doors** must be fastened shut with chain, wire or seat belt 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 60" x 1/4 max plate may be used on the 2 front doors outside. **The Drivers side is mandatory**. Passenger side optional. Padding on the driver's door inside is highly recommended. No channel or angle iron allowed. These door plates will be fastened on in 8 locations maximum with 3/4 " bolts and flat washers maximum. Any additional **reasonable** guarding on the driver's door will be allowed.
26. The **trunk or tailgate** must be fastened shut using chains, wire or seat belt material in a maximum of 8 locations. The trunk or tailgate may be welded. If it is welded a 12" hole must be cut in the centre of the trunk for inspection purposes. Trunks or tailgates may be wired to the rear bumper in 3 locations as part of the 8 total. Plastic bumper covers must be removed.
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. No welding of interior panels except for repair purposes, patching.
28. This rule is not mandatory, but recommended ONE **roll bar** up each door frame, inside or across outside of the roof. Roll bars going across the roof can be bolted/welded to the roof. The roll bar may be welded or bolted to the inside of the rockers or to the frame. Down bars off the seat/side bars can extend down to the floor/frame. "Feet" on the bottom of down bar no bigger than 5" x 5". MUST not come into contact with excessive use of materials. SINGLE bars only. Cage not to extend past back of driver's seat. Bar over roof cannot be attached to any other bar on the car except the rear seat bar. Not to the rear window bar, dash bar, side bars or front window bar. A bar can run between the seats joining the dash and seat bar together for mounting the shifter. This bar must be attached to anything else. **ALL Cage/halo/GTP material 3" min to 4" max round or square tubing. No angle iron or C channel**. Not mandatory.
29. **Tires** must be low aggression on all 4 wheels. Tread depth must be 1/4" or less on drive wheels. **BREAKING OF THESE RULES MAY RESULT IN DISQUALIFICATION**. Tires must be air filled only. No split rims, no solid tire, no 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.
30. All rubber stock **body mounts** and stock sized bolts required. Repairs to the body must be done with similar gauge metal, no reinforcing.
31. The **front and rear window** openings must have a minimum of 1 single steel bar or chain from the cowl or parcel shelf or similar surface, to the roof, bolted or welded. Maximum bar size 2" x 2".

32. **Rear bumpers** must be of stock design or removed. Rear bumper shocks may be welded to prevent falling off or reinforced by flat steel or tubing, do not overly reinforce. The last 6 inches of the sub frame may be improved to keep the bumper but do not overly reinforce. See rule 27 regarding wiring. Plastic bumper covers must be removed.
33. **Front bumpers** may be replaced with any reasonably sized car bumper of the same length and approximately year, as your vehicle. Bumper shocks may be reinforced with tubing or flat steel to keep them attached. The last 6 inches of the sub frame may be improved to keep the bumper but do not overly reinforce. See rule 23 regarding wiring. No tube square or round stock to be used as bumper.
34. **Transmission coolers** OPTION A: These are permitted but must be secured in the engine compartment and covered with a non-flammable cover to protect the driver and volunteers from hot pressurized oil. The transmission dipstick must be secured in place, wired down or have an overflow tube directing the fluid to the ground. OPTION B: These may also be behind the driver's seat. It must be securely fastened and covered completely with a sheet metal shroud. 2, 1" minimum holes must be made in the floor directly beneath the cooler. Hoses must be protected and covered with a non-flammable material that will withstand pressure. Hoses must be rated at 2500 PSI single braided hydraulic hoses with **press fittings** only rated at 250 degrees F.
35. No welding of **frame** seams. Damaged frames may be repaired using 4" x 4" patches. These patches must not overlap. Do not reinforce. Patches must be painted with a bright colour. No other frame painting.
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***Have a Question?
Contact
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