



Metcalfe Agricultural Society Demolition Derby

Thursday, October 1, 2009

CAR GROUPINGS

All 4 and 6 cylinder cars less than 106" will compete together as the MINI class.

All 6 and 8 cylinder cars 106" and over will compete together as the FULL SIZE class.

RULES

*READ ALL RULES AND REGULATIONS

1. Drivers must be 18 years of age and have a valid driver's license. All persons on the Pit Crew must be 16 years of age.
2. Drivers must complete and sign an entry form, and waiver. Drivers are responsible for ensuring that anyone around their car has signed the insurance waiver. Pit pass wrist bands must be worn at all times. Failure to do so may result in disqualification.
3. You must pre-register for the derby either in person or by telephone. There will be no on site registration the night of the derby.
4. All drivers are responsible for supplying their own car.
5. Participants must register and have their car inspected at least one hour before the Demolition Derby (Inspections start at 5:00 PM).
6. No participants or crew member shall consume or be under the influence of alcohol or drugs. If so, they will immediately be escorted from the grounds and no refund will be provided.
7. The Metcalfe Fair Demolition Derby Director reserves the right to approve or reject any or all entries.
8. A driver's meeting will be held at 6:45 PM at the official's stand. (MANDATORY)
9. Running and safety rules will be explained at the mandatory drivers meeting.
10. No fighting or arguing with officials or other participants will be tolerated. Any instigators will be escorted from the grounds.
11. Only the driver and two pit crew members are allowed in the pit area. All others including family and friends shall remain in the stands outside the restricted area.
12. Any demolition derby vehicles left on the Fair Grounds after 10:30 p.m. on Thursday October 1, 2009, will automatically become property of the Metcalfe Agricultural Society and will be disposed of in a manner which the Agricultural Society deems fit.
13. Vehicles other than those registered to participate in the derby are not permitted in the Pit area.
14. All drivers must wear CSA approved helmet and must have a safety strap around chin secured.
15. No bare exposed skin. NO SHORTS!! NO SHORT SLEEVED SHIRTS!! NO EXCEPTIONS!!
16. NO trucks, convertibles, jeeps, vans, hearses, limousines or checker cabs.
17. Cars previously run in demos may be considered too battered and unsafe, resulting in disqualification.

The Metcalfe Fair, Metcalfe Fair Board of Directors, Members of the Metcalfe Agricultural Society, and Organizers will not be responsible for any damages, injuries, or Personal Liability incurred by Participants of the event.

Competing Vehicle Requirements

1. **SEAT BELTS** All cars must have a working seat belt.
2. **RIDING ON CAR** Insurance Regulation: No person riding on outside of cars at anytime
3. **FLAMMABLE MATERIAL** Seats & trim - All must be removed from the vehicle except driver's seat. Dash maybe left in. All carpet, door pads and headliners must be removed.
4. **TRAILER HITCH** Must be removed and all sharp edges must be mashed down prior to derby event.
5. **GLASS/AIRBAGS** All windows, mirrors, airbags & trim, must be removed prior to derby event. No windshields.
6. **DOORS & NUMBERS** Driver & Passenger doors must be PAINTED WHITE. An optional roof number plate may be securely installed. Car number is supplied at time of registration.
7. **FIRE EXTINGUISHER** Must be within reach of the driver, must work and have a working gauge. NO EXCEPTIONS
8. **BATTERY** One 12 volt car battery must be moved to front passenger floor board and securely fastened in a box/container clear of all fuel sources. Following inspection it must be covered with a non-flammable shield. No loose batteries. NO FARM OR TANSPORT BATTERIES
9. **GAS TANK** Stock gas tanks must be removed. Must be a CSA approved marine tank, custom steel fuel tank, or certified racing fuel cell. All tanks must be securely fastened (bolted) in the middle of the rear seat (NOT NEAR SIDES OF CAR) in the middle. Maximum 3 gallons gas. Plastic tanks must have rubber mat between floor boards and tank. Must be 4- 1" holes drilled around tank. Tank must be covered with a non-flammable material after inspection. NO JERRY CANS!!! NO EXCEPTIONS!! CSA APPROVED TANKS ONLY!! SAFTEY WILL NOT BE COMPRIMISED!! FITTINGS MUST BE LEAK PROOF. NO EXCEPTIONS!! REFEREE HAS FINAL SAY.
10. **FUEL LINES** All fuel lines must have leak proof fitting with steel or rubber lines. No clear lines. No exceptions.
11. **ELECTRIC FUEL PUMP** Must have a safety shut off switch (punch button), marked in red located on roof in center of the windshield area for officials use. Not behind screen.
12. **FUEL SYSTEM** Electric fuel pump must be isolated with a non-flammable material covering lines, tank & pump. Non-flammable covering may be fire resistant blanket or air bag material.
13. **HOOD & TRUNK** A 12" opening must be cut in center of hood (not over fan). Hood or trunks are not mandatory. No engine mounted fans with no hood- electric fans only. Hood latch should be removed in case of fire. Hood/trunk must be fastened down in maximum of 8 places with seat belt strapping, wire or 1/4" chain only. Trunk/tailgate to be fastened down in same way or may be welded using 6 – 3" square plates. If trunk is welded a 16" square hole must be cut in top of trunk for officials' inspection. Hoods/trunks maybe bolted closed in 2 places each- maximum size 3/4 "bolts. Hoods/trunk maybe wired to bumper in max 4 spots. Hood must be left open until after inspection. No welding hoods closed.
14. **BODY PANELS** Metal may be cut from around wheels for clearance. Front & rear quarter panels may be bolted with up to 5 bolts per panel - maximum 3/8" bolt.
15. **DOOR FASTENING** Driver's door may be welded solid. All other doors must be fastened shut with wire, straps, 1/4" chains or spot-welded 1" every 12" or 6 – 3" square plates welded on per door. Solid driver's door window screens are not allowed.
16. **BRACING**
 - Mini 4 & 6 cylinders under 106"**

Outside of car may have a 12" X 48" X 1/4" max steel plate applied to driver & passenger doors, bolted in 4 locations (with a maximum 1/2" through bolt) & spot

welded 1" every 12". Bevel should not exceed 20°. NO "C" CHANNEL OR ANGLE IRON.

Full size 6 & 8 cylinders 106" and over

Outside of car may have a 12" X 72" X ¼" max steel plate applied to driver & passenger doors, bolted in 4 locations (with a maximum ½" through bolt) & spot welded 1" every 12". Bevel should not exceed 20°. NO "C" CHANNEL OR ANGLE IRON.

17. **ROLL BAR** Single roll bar up each doorframe, inside or across outside of the roof. Roll bars going across the roof must be through bolted twice through the roof for driver & spectator safety. This roll bar may be welded or bolted to the frame or rockers. An additional bar may be added behind the seat welded or bolted from roll bar to roll bar. Recommend 3" to 4" square tubing or pipe.
18. **WINDSHIELD SPACE** Must have a minimum of a single steel bar or chain from the cowl to the roof bolted or welded. The "A" or "H" style protection is permissible but the bars must look like the A or H. The cross brace must be in the middle and cannot come in contact with the distributor protector. The horizontal bar must be a minimum 8" from cowl. If using the "A" it may be welded or bolted in 3 locations. If using the "H" it may be welded or bolted in 4 locations & be no more than 36" in width. Driver must not be impaired from exiting through window area of car in case of emergency.
19. **DASH BAR** Absolutely no bars across the dash.
20. **INTERIOR MODIFICATIONS** No welding of any inside body support seams or firewall seams. All holes in firewall must be covered with a non-flammable material. Large holes in car floors must be repaired with same gauge metal and securely fastened. No reinforcement.
21. **BUMPERS** Only 1980 and newer car bumpers can be used in the Full size class. No switching front bumpers for rear bumpers. Front & rear bumpers may be mashed in so not to catch on other cars. Bumpers must not be wired to the hood/trunk. Excessive use of material will be asked to be removed. Hoods/trunks may not be wired or welded to bumpers. No loading of bumpers. Officials may request a hole be made in bumper for inspection. No truck/homemade bumpers.
22. **FRONT GRILL** No screens allowed. (Stock A.C. condensers permitted in original position.)
23. **RADIATOR** Must be flushed of anti-freeze and replaced with water only. Overflows must point straight down or positioned so not to harm other drivers & spectators. Floating rad cradles will be allowed – NO reinforcement.
24. **TRANSMISSION COOLER** Is permitted and must be secured in engine compartment. Transmission dipstick must be securely fastened, wired down or have an overflow tube pointing straight down away from drivers or spectators. OR May be re-located to directly behind driver seat, bolted to the back bar and completely covered to the floor with a tin shroud. A minimum of two 1" holes must be made in the floorboard directly below cooler for drainage. Hoses must run straight down under driver seat and be completely covered with non-flammable material. Hose spec: 2500psi single braid hydraulic hose with pressed fittings only. Must be rated for 250°F+. Hydraulic hoses must be marked as such by manufacturer. Hydraulic hoses must have pressed fittings only. No other fittings acceptable.
25. **DISTRIBUTOR** May be protected. Fresh cars must have 1" away from the firewall. Excessive material will be asked to be removed.
26. **SUSPENSION** must remain stock (movement must occur). Broken or sagging parts may be replaced. It is recommended that rear coils be wired to differential. No spring blocks or added helpers. Gears may be welded. Steering columns, drive shafts and rear sway arms may be altered but not reinforced. Ball joints, tie rods, control arms and steering linkage must remain stock. NO REINFORCING ALLOWED. Trailing arms must be made of trailing arm material- no square tubing material.

27. **HEADERS** Must be secure, must point upwards and not at other drivers/spectators. Must be a reasonable length or will be asked to be cut or removed. Official's discretion.
28. **FRAMES** No welding of frame seams top or bottom. Rusty or bent frames may be repaired with steel no thicker than factory and no longer or wider than 4" on 2 sides only. Over repaired frames will be considered reinforced and will result in alteration or disqualification. Official's discretion. No painting of frames except for the following. Frame repairs must be painted bright orange before arriving for derby event. All repairs to the frames must be reported to officials before inspection. If not – may result in disqualification.
29. **DRIVETRAIN PROTECTORS** may only be fastened to motor or transmission (NO FASTENING TO FRAME OR BODY).
30. **MOTOR MOUNTS** Stock mounts may be welded or chained. Any excessive or added mounts will result in disqualification.
31. **BODY MOUNTS** All rubber stock body mounts and stock size bolts must stay in place. Increasing bolt size is not allowed. Max flat washer size – 3". Four (4) additional body mounts up to ¾" inch threaded rod are allowed, placed strategically where desired or replace existing body mounts. Two threaded rods are allowed for the rad cradle that is not included in the additional 4. 2 extra stock sized bolts maybe added inside driver's compartment for safety.
32. **TIRES** Maximum 16" D.O.T. Tires must be low aggression. No forklift tires or solid fill tires. All tires must be filled with air only. Tires may be doubled. No split rims. No screwing tires to rim or studding. All wheel weights must be removed and no welding stem protections. Carry spare 16" D.O.T. mud tires in case track conditions warrant. Referee's discretion on tire tread.
33. **PRE-BENDING** May be bent within reason. Can be deemed unsafe to other drivers resulting in alteration or disqualification. Doors may be rolled - 1" of weld every 12" max

DRIVERS PARTICIPATE AT THEIR OWN RISK and the Metcalfe Agricultural Society will not be responsible for any accidents, injuries or personal liability. Demolition derbies are hazardous and high-risk sport; therefore anyone with a health condition ie: concussions, heart problems etc. or who is pregnant should not compete.

Grounds for Disqualification Breaching a barrier perimeter, ignoring flagman's direction, non-compliance of regulations, use of alcohol or drugs, exiting pit/exhibition area with registered derby vehicle, hitting a competitors door, carrying debris or excess parts in your vehicle, cutting pit perimeter fencing and/or fighting.

For general information and registration, please call the Fair office at 613-821-0591.

For technical information please contact the Demolition Derby Director, Steve Thomas at 613-821-3835.

Good Luck!