

Tioga County Fair Demolition Derby Rules for 2017

The Demolition Derby is designed as an unusual spectator attraction. Every entrant is subject to the following rules and regulations in the interest of safety and equal competition. The Tioga County Fair does not imply or guarantee safety. Total responsibility for inspection of car and rule compliance is by the owner \ driver, not the Tioga County Fair.

DRIVERS ENTRY; Entrants in the derby are not employees of the Tioga County Fair, but are independent contractors and assume all related responsibilities.

1. Drivers must be at least 18 years of age and have proof of age.
2. All drivers must supply their own car and set it up according to the rules. Entry is limited to 1 car per event per night.
3. Drivers must wear a SNELL or DOT approved helmet and some form of eye protection.
4. Drivers must wear a safety belt.
5. No Full track hits. Full track hits that are defined as anything longer then half way of the track to minimize injury.
6. Hits to the Driver side door will not be allowed, the driver will be shut down.

CONDUCT; Any driver or crewmember not obeying the rules will be disqualified. Drivers are responsible for the actions of their crewmembers.

ALCOHOLIC BEVERAGES; ARE PROHIBITED IN THE DEMOLITION DERBY, PIT AREA AND FAIRGROUNDS. VIOLATION BY ANY CREW MEMBER MEANS DISQUALIFICATION OF A CAR AND PIT PASS FORFEITURE!

PIT AREA; a maximum speed limit of 5 MPH MUST be obeyed at all times in the pit area, parking lot and driveway.(equal to a fast walk pace).

SAFETY AND CAR SPECIFICATIONS; Undetected or unobserved items escaping detection during inspection does not make them legal. Any exception to the rules will be called illegal. . If it is not in the rules it does not mean you can do it..

Full-size cars; Any stock hard top automobiles and station wagons are allowed except 1973 and older Imperials or frames, no four wheel drives will be allowed.

4cyl compact; Any year foreign or domestic mass-produced 2 or 4 door compact sedan or station wagon that is front wheel drive k-member originally equipped car with a 4 or 6 cylinder engine is permitted. Built to the same rules as other classes.

Small trucks; Trucks are to remain stock unless otherwise noted. Class is open to small trucks or suv. They are to be two wheel drive or four wheel drive with only one axle driving. This will be a one heat class. Built to same rules as the other classes.

Full-size trucks; Trucks are to remain stock unless otherwise noted. Class is open to 1/2 & 3/4 ton pickups and suburban style vehicles, panel vans included. They are to be two wheel drive or four wheel drive with only one axle driving. This will be a one class heat.

Minivan; Any 4 or 6 cylinder, foreign or domestic minivan. No diesels, No “ hybrid” vehicles, no plastic bodied vans like lumina/transports, etc. no panel vans. 4 wheel/all wheel drives may be used if one axle is disabled, (only one axle can drive) This will be a one heat class. Built to the same rules as the other classes.

Driver Protection: a 4 bar enclosure around the inside cab be installed is recommended but is optional. One dash bar, one behind seat, one across each front door and one in the middle for shifter mounting. All bars must be inside driver's compartment. Door bars may run from dash to 1 foot behind seat. Front bar must be at least 5 inches from center of firewall and floor including the transmission tunnel. Back bar may be no further back than 1 foot behind seat. All bars may be no larger than 5" diameter, except side bars may use up to 6" c-channel for flat mounting. Attaching to the car may only be done on the sides, NO mounting to the floor or roof. If you choose to use only front and back bar, mounting plates of 1/4 " x 6"x12" may be used on the ends. Used for protection only, **not a reinforcement**. Improperly installed bars are a hazard to everyone. A form of seat belt must be used. Dot helmet and eye protection must be used.

HOOD: Must have stock hood with a hole cut over the carburetor in case of fire. Full size 2 foot by 3 foot and Mini size 1.5 foot by 2 foot and be tied down after inspection with wire or bolted. Bolts size 3/8 inch and 2X2 angle 1/4 inch thick 3 inches in length in four spots. Do not use chain!

EXHAUST: may use stacks or if using under car it should be cut off at least 12" behind drivers seat and be bent out towards the side of the vehicle.

FANS: All belt driven stock fan blades are to be removed, you may use an electric fan with plastic or nylon blades only. Plastic fan blades on motor will be allowed. **No metal blades will be allowed.**

ANTIFREEZE: Must be removed and can be replaced with water. If not removed car will be disqualified. Must be radiator type, no tanks or barrels.

BRAKES: Must be in working order for safety purposes on the track. Floor pedals maybe used. (DRIVERS RESPONSIBILITY)

TRANSMISSION COOLERS: May be moved to the rear seat area and must be totally enclosed including the lines. Fans maybe used, must be electric plastic fans.

GAS TANKS: Stock tanks are to be removed from the car and a marine style or equivalent fuel cell, five gallon maximum shall be installed in the rear passenger compartment, fastened down securely and covered with a fire shield that can be opened for inspection. All electric fuel pumps require a separate power switch within drivers reach. Switch must be labeled fuel pump shutoff. Homemade fuel cells must be:

1. sturdy
2. securely mounted
3. entirely leak proof or you cannot run.
4. No plastic tanks or covers will be allowed.
5. Tank protector is allowed and but can not touch the rear seat compartment or the rear window support.

Fuel lines must be metal passing through the firewall and in the passenger compartment extending past the drivers seat and be covered inside of the vehicle. Short length of fuel hose connecting tank to line is okay.

4 cyl compact/ minivan: Original gas tanks are to be moved to the rear seat area of the car (if using the tank), fastened down securely with straps and have a firewall in place. Use only 5 gallons of gas. Install a toggle switch on the fuel pump wire so in case of a fire the pump can be shut down. Switch is to be labeled so emergency personal can identify. Homemade fuel cells must be:

1. sturdy
 2. securely mounted
 3. entirely leak proof or you cannot run.
- Fuel lines within passenger compartment must be metal & covered

Trucks Gas tanks: must be mounted in the center of the bed near the cab, securely fastened down and covered with a metal shield. Fuel lines within passenger compartment and those that go through the body must be metal. It is recommended to bolt a thin steel plate to the frame then set the gas tank on it and secure the tank to the plate.

BATTERIES: are to be mounted solidly to car floor in the front passenger compartment with a rubber or plastic shield covering. Trucks and minivans Battery may be left under the hood.

TIRES AND WHEELS: Industrial or farm tires are allowed. Double stuff is allowed. No foam filling, or loading of tires is allowed. Remove all wheel weights. No lock ring style rims and no valve stem protectors may be welded on.

BODY & INTERIOR: All glass, chrome trim, locks and anything else that might become embedded in the track must be removed. TOTALLY CLEAN IT OUT INCLUDING GLASS. Anything inside the car that is a fire hazard must be removed, including car interior, trunk pad and carpet. Driver door panel should be left in for safety of the driver, projecting latches, handles, etc. inside drivers door must be removed. Remove brittle metal & fiberglass pieces front and back. A flash guard of some type MUST be installed covering the car firewall where large holes are produced after taking heaters and etc. out. Use light tin or some type of nonflammable material. NO REINFORCEMENT will be allowed except as stated. Trailer hitches are to be removed.

BODY: Wheel wells may be trimmed for clearance however re-attachment should be no stronger than factory. Quarters and panels must remain in original position, NO wedging. Canoeing of trunk will be permitted. TRUNK may be tucked but not welded to floor. Interior body seams may be re-welded 2" on 4" off **DO NOT** make new seams. Body creasing will be allowed.

DOORS: must be welded and/or tied securely with cable or chain. Exterior door seams may be welded. Interior front door seams may be welded. You may weld flat steel on the outside seams only. You are allowed to use flat steel over the seams up to 1/8 inch thickness and 3 inches wide. If the drivers door comes open the driver will be disqualified.

Trunks , Tailgates, Hatches: May be patch welded or use wire/chain, if welded a 10x 10 inspection hole is needed for inspection. Patches 3 x 3 x 1/8 thickness 3" on 6" off. Tailgates on trucks may be welded solid on one side. (in or out) Box can be welded to the cab. (Recommended) for trucks.

ENGINE: Swaps may be done, you may use lower engine cradle and distributor protector. Protectors can not strengthen frame in any way. Pully, Carb. Or Trans. Protectors. The cross member can not be any greater strength the original. Oil filter relocation will be allowed. Slider drive shafts will be allowed.

FRAMES: Tilting frames will be allowed. No plating, pinning or stuffing allowed. On pre run cars four 4 inch by 6 inch plates of 1/8 inch thickness, absolutely no angles. Frame changes allowed make to make only (ie Chrysler to Chrysler, etc) no Imperial Frames. Front frame may be shortened however core support must remain in stock location. Y -frame Chryslers may close both side of the Y, frame thickness patch. There must be a 1 inch hole for inspection. Factory frame seams may be re- welded single pass from the firewall forward NO added metal. Do not fill holes or make new seams. You may notch or dimple frame, notch must not be welded together.... also no undercoating or painting frames. Hump plates will be allowed on cars with coil springs only. (Hump plate measurements of 22 inches long 6 inches wide and quarter inch thick). Or you may use flat spring. Must do one or the other, but not both. For pre run cars you may put fix plates. Coil spring should be wired in using 9 wire.

BODY MOUNTS: only 4 extra 1/2" inch maximum body to frame bolts with washers that are free floating maximum Size is 1/4 by 5 inch diameter. Plates can be used and must be 1/4 inch thick 4 inch by 4 inch thick. TRUCK BOXES may have 6 extra 1/2" mounts with 5" washers. Inspectors need a 1 inch space between the body and the frame.

SUSPENSION:

1. **Fullsize cars** Rear Coil springs and attachments may be replaced with leaf springs, no welding on spring pack. Maximum 5 clamps, 2" wide 3/16" thick, two 3/8 bolts per clamp. No duct tape wrap on springs. 1/4" working rear shackles, frame mount 1/4" maximum by 4"x 6". **Leaf springs** (4) 3/8" or up to (7) 1/4" thick springs 2 1/2 inch wide (no reverse arch) flat sprung ok.
2. **4 cyl compact:** same as full size cars.
3. **Trucks / minivan:** are the same as full size.
All Suspension may be locked or stiffened for height adj. those with leaf springs can use clamp rule

BUMPERS: maximum height 20 inches from the ground to the bottom of the bumper. Trucks use an average height (no lifted trucks) Bumper inner and outer may be welded together leave inspection holes NO stuffing . Mount brackets may be switched car to car but must be used in original manor. Bumper may be welded to STOCK mount brackets and shock brackets welded to prevent collapse and brackets welded to frame. Mount brackets may be used from any make model or year car legal for this class. Bumper may be welded to STOCK mount brackets and shock brackets welded to prevent collapse and brackets welded to frame. You may weld bumper to frame ends if you choose. NO homemade shocks or mount brackets, no plating. Cars without bumper must have NO projecting mounts or frame projections. Bumperettes must be removed, you may weld a quarter inch plate on the back of the bumper, full length. Homemade bumpers will be allowed, made of quarter inch steel, a single square tube of 6 inch with ends open for inspection and able to be seen clear through. A point maybe added but can be no more then 10 inches from the back of the bumper and must be 27 inches long. You may weld bumper to frame ends if you choose. NO homemade shocks or mount brackets, no plating. Cars without bumper must have NO projecting mounts or frame projections. Bumperetts must be removed. If you are using a stock bumper, you may weld a quarter inch plate on the back of the bumper, full length.

WINDSHIELD: is to be removed, you can cover with a wire screen securely fastened. You must install two safety straps from the body area behind the hood no more than 4" below the windshield line to the roof of the car to keep the hood from coming backwards through the windshield area. Use flat or round stock (no angle iron or hardened steel). If running a dist. Protector, the bars can not strengthen the car.

Powder puff cars: They must be full size cars and follow the same rules as full size cars. Powder puff cars may re entered in consolation heat.

Juniors class: Must be a full size and follow the same rules as a full size car class. Age of the junior class is 15, 16 and 17 years of age with proper paper work and proof of age such as a birth certificate or drivers license will be required. Juniors must have proper paper work signed and notarized by the parent to run. So if a youth driver has ran in a adult class heat they will not be permitted to run again in a junior heat.

Out Law Class: Out law class must follow all safety rules, such as gas tank, battery, hole in the hood, breaks, seat belts, helmets, eye protection and etc. This class will be ran for both full size and mini car class heats if there is enough interest to do so. No wedging! Homemade bumper for this class requirement is 64 inches long, 7 inches tall. From back of bumper to front of point must be 10.5 inches. You can have points on homemade bumpers. No point can to a factory bumper. Cars must have a rubber tire of some sort. Mini class will follow full size class same bumper rules being point to point on the frame rails.

Any situation that arises the promoters have the power to add or change rules as required. If it isn't in the rules, it doesn't make it legal. The head official decisions are final!

Any questions, call Marty Baker 570-404-3374 Or Darren Bradford 570-404-0121
All entries must be there before 6 pm for inspection. Any entries after 6:30 will be charged an extra \$25 dollars on top of the normal entry fee of \$35. This will allow us to get the Derby started on time. Please understand and be respectful.