

IMPERIAL CO DEMOLITION DERBY 2020 RULES

MARCH 4TH 2020

IMPERIAL COUNTY FAIRGROUNDS

\$5000 PAYOUT!!!

SCORING

- Last car to strike the other car that is still running.
- The last car running will have to move forward or backwards at least 6 inches.
- In the case of the last 2 cars and 1 car is pinned. The pinned car does not need to be free. If the trapped car is the only one moving the trapped car will be declared the winner.
- Judges Decisions are Final!!!

ACTIONS WHICH MAY RESULT IN DISQUALIFICATION

- Intentional hitting of the driver's door.
- Sand bagging-failure to drive aggressively.
- Leaving a vehicle (removing the seat belt or leaving the seat) except in case of fire, injury or official's request.
- Any work to the car while on track under red.
- Sitting still for more than 2 minutes, if you are blocked, the driver must attempt to unblock themselves.
- Any crew member entering the track during the event.
- The driver is responsible for his crew and can be disqualified for the crews conduct.
- We will put out 1 fire and allow you to continue unless we believe your car is unsafe, a 2nd fire will cause you to be disqualified.
- Unsportsmanlike conduct of any kind or a car deemed unsafe by the Officials.
- A car smoking and a hazard to other drivers or unpleasant to fans.
- Starting a car without someone in the driver's seat.

GENERAL PREPARATION:

- Any American made passenger type car. No trucks, hearses, compacts, convertibles, SUV's, or commercial vehicles. Vehicle must have a front engine.
- Cars must have legible numbers on both sides of a number plate on the top of the car and be 12" x 12".
- All glass, plastic and pot metal must be removed. Nothing may remain in the bottoms of the trunk or doors. Rear seats in all cars must be removed.
- All outer hardware must be remove- door handles, mirrors, chrome, moldings, screws, fiberglass, etc.
- Front seats must be securely bolted to the floor, however, these bolts may NOT go through the frame. You must have a functioning seat belt.
- All flammable materials must be removed from the car other than the safety padding and driver's seat.
- No adding weight to the vehicle. No stuffing of frames, trunks, passenger doors or under floor decking.
- Trailer hitches must be removed.

CAGES & DOOR BARS:

- You may use channel or tubing up to 2" O.D. For all interior bars.
- Cowl bar may be used in place of the stock dash if removed.
- Seat bar must be no further than 8" behind the seat. All bars must be straight.
- All tubing must have end plates and must be a minimum of 4x4", and maximum 8x8".
- No cage components may be welded to the frame.

- All cage components must be in the interior of the car, not inside the door structure with the exception of the driver's door.

HALO OR ROLLOVER BARS:

- You may add a halo bar or upright posts to the cage components listed above.
- Upright post must have a min 4"x4" plate attached to the roof, welded only.
- Halo bars or upright post must be mounted vertically and in such a way it will not bend (ex. Gusseted)
- Halo or rollover bars cannot be welded to the frame.

DOORS:

- Doors may be welded solid, 3/8" chained, or #9 tie wired.
- If welded: you may use rolled rod no bigger than 1/2" or flat strap no bigger than 2" wide by 1/4" thick.

WINDOWS:

- You must have at least 1 window bar in the front and back window, but are allowed up to 2 front & 2 rear window bars or 3/8" chain.
- Bars may not be bigger than 2"x 2" x 1/4" x 34" long.
- No other added metal or mount plates.
- No wiring or chaining of any window openings.
- Window bars MAY NOT be attached to the halo bar or any cage components.

BUMPERS, BUMPER BRACKETS:

- Stock O.E.M bumpers off of passenger cars may be used.
- Bumpers may be cut, chrome may be welded to the inner bumper box.
- No loaded/stuffed bumpers.
- Bumpers may be welded to the brackets and the frame only.
- Only one bumper bracket per frame rail is allowed and front bracket can be welded and/or bolted no more than 10 INCHES FROM THE FRONT OF THE FRAME. This applies to the rear bumper bracket as well.
- Shock tube will be considered the bracket if disassembled from the mounting hardware. If this is done, bumpers may be welded to the shock tube and the frame only.
- You may use in place of shock tubes, pipe up to 2" O.D. Max 3/16" max wall thickness. And must be open ended on the A-Arm side of the tube.
- Shock tubes or pipe can be no longer than 14" including any hardware and must be 5" from the strut tower.
- If putting shock tubes/pipes inside of the frame, a 1/2" hole must be placed on the top or on the outside of the frame rail 15" from the front of the frame if no stock frame hole is available, nothing may go past this point inside the frame.

BUMPER STRAPPING:

- You may have 2 front and 2 rear vertical bumper straps that can be no larger than 24" x 2" x 1/4" thick up to 6" may be welded to the body and 6" may be welded to the bumper.
- You may use 3/8" chain in place of straps.

FRAMES:

- NO FRAME WELDING IS ALLOWED. Other than what is described in the bumper/bumper bracket, transmission, and engine rules.
- No plating, shaping, stuffing, dowel pinning of the frame, heat treating or foam filling of frames is allowed. DO NOT paint or undercoat your frame or you will not even be inspected.
- You may weld your motor mounts to the factory engine cradle, not the frame rails.

- You may notch the frame for minimal pre-bending.
- You may chain your axle to the frame hump with one wrap, it may not be welded.

HOOD & TRUNK:

- Hood & trunk lid must be 100% in stock location.
- Hood must have minimum of 10"x10" hole.
- Trunk must have minimum of 10"x10" hole.
- Hood may be welded or chained with four total - 4" plates or four total -4" back to back bolted angles, or four total single wrapped - 3/8" Chains.
- Trunk may be welded or chained with four total - 4" plates or four total -4" back to back bolted angles, or four total single wrapped - 3/8" Chains.
- You may also have four bolts/all threads through the hood and four bolts/all threads through the trunk lid, no bigger than 1". Only 2 of these bolts can go through the frame.

ENGINE:

- Any engine may be used in any car, but it must be mounted within 5" of the original motor.
- No engine mid-plates or metal plates of any kind are allowed in or around the bell housing/motor or firewall.
- Holes bigger than 10" x 10" in the firewall must be covered with tin or heavy rubber.
- Holes may be cut in the floor & firewall to accommodate the battery cables, shifter, fuel lines, and transmission lines.
- If using stock motor mounts you may weld a gusset or chain the motor from the motor mounts to the factory engine frame cradle only.
- Two additional motor tie downs may be used. No more than one fastener on each side of the motor may be used. If straps are used they may only be welded to 3 inches per side on the frame. That section that is welded to the frame may not be any thicker than ¼" by 2" x 2" wide, and must be located within the A-Arm foot print and be no more than 3 inches at its furthest point in the front of the A-Arm.
- Lower engine mounting cradles/saddles with crank protectors are allowed. Cradle/saddle may not extend beyond 2" of the end of the block.
- Crank protector may only cover lower half of the crank, and not be more than 2" past the front of the crank from the farthest outside edge of the crank protector.
- Cradles may be fastened to the factory engine frame cross member only. No part of the cradle may be attached to or touch the frame rails.
- If using a lower engine mounting cradles/saddles, no motor tie downs may be used.
- No engine oils coolers are allowed.
- You must have an air cleaner over the carburetor at all times.
- No distributor protectors allowed.

TRANSMISSIONS:

- Transmission coolers may be used, but they must be secured in such a way to prevent injury.
- Metal, high pressure or braided lines must be used. No fuel or low-pressure lines may be used.
- No transmission protectors allowed at all.
- Slider drive lines are allowed.
- Due to engine swapping between makes and models of cars, you may replace the original transmission cross member with a bar/pipe/angle max 2"x2" O.D. square tube ¼" wall thickness.

SUSPENSION & REAR ENDS:

- You may weld down your A-Arms. You are allowed one 1" x 3" by ¼" strap on each side of the A-Arm.
- Coil to leaf spring swaps are allowed.
- Factory car style springs allowed only.
- 4 clamps per leaf spring, 2 in front of the axle, 2 behind the axle, this includes factory clamps.
- You may chain the humps using 1 wrap of chain per frame rail.
- Rear end must be factory car stock style rear end with no bracing allowed.
- Pinion brakes are allowed.

RADIATORS & SUPPORTS:

- Water is the only fluid allowed in the cooling system due to safety.
- Only OEM style passenger car radiators may be used. Aluminum radiators of the same style may be used.
- Radiator must be attached to the core support.
- Radiators may not strengthen the core support. No added metal may be used to mount the radiator. If welding radiator in place you may use four 1" welds.
- You may not add cooling capacity.
- Radiator loops may be used.
- Radiator supports must remain in the stock location and position, vertically and horizontally. Stock mounting holes in the core support and frame must line up.
- Radiator supports may not be welded to the frame, bumper brackets, bumpers or anything else.
- If using anything to protect the radiator such as a condenser or expanded metal, it may only be tie wired to the core support.

WHEEL WELLS:

- Wheel wells may be cut out or rolled up for tire clearance.

TIRES & BRAKES:

- No split rims or duals.
- Only the center 8 inches may be changed to allow different lug patterns, no bead locks or reinforcing of the rim is allowed.
- Valve stem protectors are allowed, wheel weights must be removed.
- If your brakes do not work, you will not compete.
- You may not change tires after inspection without officials consent.

BATTERIES:

- Only 2 batteries of any type may be used.
- They must be secured inside the car and covered, unless you are using a gel cell battery.
- Battery box must be made out of metal! It must be bolted to the floor, bolts may not go thru the frame. Seat belts or tie down straps may not be used.
- Rusted out holes in your floor sheet metal must be patched (with sheet metal only) where components are mounted for driver's safety. You may not patch clean and solid floors.
- All body mounts must be visible.

FUEL DELIVERY SYSTEMS:

- ONLY metal marine type tank, stock fuel tanks, metal fuel cell or derby type metal fuel tank may be used.
- You are NOT allowed any type of fuel tank protector.
- 10 gallon tank maximum may be used.

- Original must be removed from under the car.
- You must have the fuel tank securely mounted behind the driver's seat with bolts, metal straps or chain. Seat belts or tie down straps may not be used.
- Fuel lines must run inside the car, not under the car along the frame.
- Fuel pump must be on an accessible switch, and switch must be painted bright color.
- If using an electric fuel pump, you must bring it to attention at tech inspection.

IMPORTANT!!!

For safety sake, any time a torch is being utilized it is mandatory that a pit crew be standing by with a fire extinguisher as per our insurance requirements.

If is mandatory that any time a car is to be started or running, THERE MUST BE a driver in the car in case of an emergency. (I.E. Starting in gear and so forth and so on.) NO EXCEPTIONS!

Inappropriate or vulgar writing, graphics, will NOT be allowed on the vehicle.

Any physical or verbal abuse before, during, or after the demolition derby, will cause driver(s) to be disqualified and escorted from the Imperial County Fair Grounds.

All drivers must have their cars in the pits by 4:00 pm for tech inspection

Mandatory drivers meeting before demolition derby. Event starts promptly at 6:00 PM.

20 Car event max so get your name registered ASAP!!!

\$50 Registration fee will need to be paid by Feb 19th to hold your spot in the event, upon arrival with a car that passes tech inspection you will receive your entry fee back.

Only one vehicle and its legal occupants will be allowed in the pits per driver, everyone else must be in the grandstands.

To register for the DEMOLITION DERBY, call or text Trent Rico 928-315-5219.