

## 2019 Harvey Co. Fair Demo Derby – Weld Rules

### 2019 Harvey County Fair Demolition Derby

Entries are open to men and women who have a valid driver's license. In the interest of safety and in fairness to all contestants, the following rules and regulations will prevail:

#### **DRIVERS ENTRY AND FEES:**

1. All drivers and pit crews must be 18 years of age or have a notarized permit by a parent or guardian. **ID must be shown by both the minor and signing adult at check in. Notary paper work must be done prior to entry! There will be no notary available at the derby.**
2. All drivers and pit crew must sign a release form prior to derby.
3. Drivers must furnish his/her own car.
4. A maximum of six (6) sponsors per car.
5. Drivers may enter each heat but must have a different car for each heat.
6. Each car will pay an entry fee. The entry fee will include two pit passes, one driver & one car. The fee is as follows - \$40 the day of the derby.
7. Additional pit passes will be available for \$20 ea.
8. Anyone entering the pit area must provide a valid state ID.
9. **\*\*NO ONE UNDER THE AGE OF 16 WILL BE ADMITED TO THE PIT AREA AT ANYTIME BETWEEN 11AM TO THE END OF THE DERBY! Anyone under the age of 18 must have notarized paper work with them at the time of check in along with the signing adult & both presenting a valid ID.**

#### **HEATS:**

The derby will consist of heats and consolation qualifying heats. The last two (2) active cars and drivers in each heat will comprise the feature cars and drivers. No changing of drivers or cars for the feature will be allowed.

If the driver qualifies in more than one car they must pick the one car they will drive in the feature.

#### **Consolation:**

Any car PARTICIPATING in a previous heat is eligible for the consolation heat. The last two (2) active cars and drivers in the consolation heat are eligible for the feature race.

**THIS PROGRAM IS SUBJECT TO CHANGE BY THE OFFICIAL WITHOUT NOTICE**

#### **PARTICIPATION REGULATIONS:**

1. Drivers may maneuver forward and/or backward.
2. If the driver does not hit another car aggressively within 1 minute, that driver will be disqualified.
3. **DO NOT** play possum & **NO TEAM DRIVING!**
4. Drivers must attend a drivers meeting approximately one-half hour prior to the start of the derby.
5. All protests must be submitted by a driver in writing to the official with a minimum of five (5) driver's signatures along with \$50. If the car is found to have cheated the \$50 will be returned. If the car is found to be legal, the \$50 will be given to the driver in question.
6. No pit persons allowed in show arena during a heat.
7. **Cars must be inspected and in perspective heat line up between 12 noon and 5:30 PM. There will be NO EXCEPTIONS TO THIS RULE. The Derby will start at 6:30 PM.**

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8. If any car is found to be illegal during inspection they get two chances to fix it correctly, the THIRD time the car has to be inspected it will cost \$50 for it to be looked at again.

9. No drivers or pit crew members under the influence of liquor or any illegal substance will be allowed to participate or enter the exhibition area. County and State Law prohibit the consumption or possession of any alcoholic beverage or cereal malt beverages on property owned by city, state or governmental subdivision.

10. Only one (1) work vehicle per car entry in pit area. NO TRAILERS INSIDE PITS DURING CHECK IN. Please drop trailers outside of pit area away from spectator parking.

11. Cars are subject to re-inspection before prize money or trophies are handed out. **THE TOP FIVE (5) CARS WILL NOT LEAVE THE ARENA AFTER THE FINAL. THESE CARS WILL BE INSPECTED AGAIN BY OFFICIAL AND DRIVER ONLY, BEFORE ANY PRIZE MONEY IS AWARDED.**

12. If you have any questions give us a call. If the rules don't say it, don't do it. Official's decisions are final!

### PREPARATION OF CARS:

#### General:

- American cars or station wagons are allowed. NO imperials or imperial sub-frames. Hearse, jeeps, trucks, carryalls, convertibles or ambulances are not permitted.
- Slogans, advertising or printing may be placed anywhere on the car except front doors and roof. Drivers name and number must be on both front doors and on the roof sign maximum of 24" X 24", this roof sign IS MANDATORY and may be welded on the roll bar across the top of car. Use your choice of numbers. No profanity of any kind can be on car.
- Working safety belts/harness and helmets are required. The seat belt and helmet MUST be on at all times while in the arena, even if car is not running. NO EXCEPTIONS. If you are caught not wearing your seat belt or helmet, the first time you get a warning, the next time you are caught you will be disqualified.
- Radiators and fans may be removed but not relocated. Any screen used to protect the radiator and fan may be no larger than hail screen. No expanded material, etc. allowed. No flammable liquid of any kind will be allowed. The transmission coolers must be secured and high pressure hoses must be used for safety and be securely mounted. All batteries, fuel tanks, and transmission coolers must be covered.
- You can use unlimited 9 wire.
- No reinforcements allowed other than specified. Any added metal to reinforce the car is illegal. Do not add metal unless specified.
- If you use an electric fuel pump, it must be wired into a murphy switch/oil pressure switch. This is to ensure the fuel pump shuts off when the engine quits.

#### Frame & Suspension:

- Re-Stubbing is allowed, must be like models example – Chevy - Chevy, Ford - Ford, Olds - Olds etc. must be clean with no added metal.
- Must use a factory chrome skin. May reinforce the inside of bumper but must remain stock appearing. NO HOMEMADE POINTY. You may have 2 straps from bumper to radiator core support 2" wide 18" long ¼ thick. You may weld bumper brackets or towers to the frame. When

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welding bumpers, shocks, and brackets **DO NOT ADD ANY METAL**. We do not want bumpers falling off.

- If you choose to not have bumper brackets/shocks, I will only be allowing a 10 inch long by 6 inch wide by 3/8 inch thick plate to replace bumper bracket/shock. **Outside of frame only.**

- You may re-clamp factory leafs 4 clamps per side homemade or factory. Homemade clamps not to exceed 2" X 4" X 1/4". You may weld leaf spring mounting brackets to prevent them from becoming unbolted. You may loop a chain from the rear end to the frame, but only in two (2) places per side. No modifications to springs. Run what is factory for that car. No coil to leaf spring conversions. Rear control arms may not be reinforced. They may be shortened or lengthened, but do not add metal. A arms may be welded down.

- No welding on frame, with the exception of the firewall forward (frame seams only) top and bottom seams. (1/2" wide) absolutely no welding on frames or body unless specified. You must leave factory frame holes open.

- All cars may have (8) plates 4"x6"x1/4". These plates may not run continuous; there must be a gap of at least 2" between plates. NO EXCEPTIONS. If extra plates are put on they will be cut off not sliced.

- Watts link conversions on newer fords. You may convert a watts link to a standard 4 link system in the following way; Use the upper and lower trailing arm brackets off an older ford. No shortening of trailing arms, no positioning brackets to strengthen front down legs of the rear hump. Must mount in the stock location. Use upper mount tray out of older car but must leave 2 inches of original factory package tray to weld to. May not be welded to frame. Do not reweld seam. Welds may only weld to tray package.

**-Hump Plates may be maximum thickness 1/4 inch. Maximum length 14 inches. Must be in center of hump on outside of frame only. With a 3/8 inch inspection hole drilled through plate and frame. Plate must be cut to contour to frame. ONLY COIL SPRING CARS ARE ALLOWED TO DO THIS.**

### **Body – Exterior:**

- All glass, including lights, chrome, pot metal trim, grills, etc. must be removed before reaching the fairgrounds.

- Driver's door must be reinforced. Reinforcement may go no more than 12" from the front and back side of door seam. Minimum length no less than 6" in front or back of driver's door and 1/2" X 4" steel plate. 4" channel iron is a suggestion. NO GRADER BLADES. Bracing on driver's door may not stick out more than 2" and corners must be rounded or angled.

- Fenders may be bolted or welded not both. If bolted you may use no more than seven (7) 3/8" bolts per wheel well. If welded, you may fold and weld but **do not add metal**.

- All door seams including doors, wagon gates and trunks may be welded solid, chained, or bolted shut. No straps, plates, or pipes can be welded from roof to the trunk. Rusted or pre ran cars may patch a hole in the body of the car but not replace the side of the car. If you patch a hole you must use sheet metal the same thickness as the original car body. This patch may overlap the outside of the whole 3" each side. Don't push your luck. Plates used to patch the hole may not overlap the each other. **No doubling of sheet metal skin. WELDING SEAMS IS OKAY, BUT DO NOT ADD SHEET METAL.**

- Hood must have two (2) fire holes large enough for a fire extinguisher. You may use no more than 16 1/4" bolts no longer than 1" to support around the fire holes in the hood. Hoods may be bolted, chained, or welded solid. If bolting, six bolts no bigger than 1" can be used for tie downs.

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The front two may be allowed to go through frame. The remaining four bolts can only be sheet metal to sheet metal. No gusseting of hood bolts. Hood washers can be no larger than 5" in diameter and 1/4" thick. If you weld your hood solid you cannot have tie downs. The hood may be folded over the front of the car with 2 straps 2" x 1/4" max from the hood to top of bumper.

- Safety straps from roof to firewall are mandatory. They can be 1" x 1/4" thick. At least one (1) no more than three (3) straps from roof to firewall. Right side must left open. Vertical bars only no horizontal bars.

- The rubber body mounts may be pulled out and replaced with a bolt no larger than 3/4" and a washer no larger than 4"X4"X1/4". Body bolts may not pass completely through the frame except for the two (2) hood bolts which is allowed, only (1) washer 3"X3"X1/4" will be allowed inside the frame. No other part of the body bolt may be inside of the frame. Do not add extra body bolts.

### **Body – Interior:**

- Cage may be constructed 1 of 2 ways

#### OPTION 1

Cage is allowed two side bars max, size 6 inch tubing or channel. Maximum. of three cross bars allowed no larger than 5 inches in diameter , no curved dash bars, must be min. 6 inches from center of dash, must be min. 10 inches from floor, no higher than bottom of side windows, rear bar may attach to front side of inner rear tire well, four down legs allowed six inches wide max. Bars may attach to body, may not be within 4 inches of body mount or body mount plate. Dash bar must be at least five inches (5") away from distributor protector.

#### OPTION 2

You are allowed 2 side bars 60" max and 2 cross bars. You are allowed a gas tank protector 6X24 inches may be 1.5" from back seat panel but may not be attached to back seat panel, may attach to rear seat pipe. Dash bar must be five inches (5") away from distributor protector.

- Halo bar may be added to cage 5 inch max diameter, may go to floor pan sheet metal but not to frame, must remain vertical (NO TILTING) within 12 inches of drivers seat, may only be attached to roof with two bolts.

- **You may add a bar from the gas tank protector to the halo bar for safety. Bar must be no bigger than cage material.**

- You may weld interior seams. **Do not add metal.**

- Absolutely no plastic tanks! Boat tanks make excellent substitutions. Tanks must be moved to back seat area. Tanks must be secured to floor with metal straps, chains or bolts. No bungee cords, nylon ties, etc. All fuel hoses must be securely mounted. If electronic fuel pump is used a toggle switch must be used that is labeled on and off. No alcohol based fuel will be allowed.

- All fuel connections must be leak free. Fuel lines must run inside the car through the fire wall and must be protected with rubber hose and securely in place. No stock fuel lines on frame rail, all fuel lines must be ran inside car.

- Batteries must be strapped with metal straps securely to floor. No bungee cords, nylon ties, etc. Battery cables and electrical wires must be protected with rubber hose. All transmission coolers, fuel tanks, and batteries must be covered. A tranny blanket if a standard transmission used. This is for the driver's safety. To keep any flammable liquids from spraying the drivers or out of the car.

- The inside of all cars **MUST** be stripped of all burnable materials, except for the padding on the driver's door, seat and dash.

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- Floor plugs must be knocked out, or drain holes must be clean in the floor. Minimum of four (4) holes visible. All trunks and doors must be empty of debris, spare parts, etc.

### **Drivetrain:**

- Any combination of engine may be used with the exception of diesels (which are not allowed). Engine must be located within 3" of stock location. Motor mounts may be welded with Maximum of 4x6 mounting plates. You may tie motor down with 2 chains with 2 links welded to frame, or 2 straps 1" wide and 3" welded to frame, or wire in addition to the motor mounts.
- Rear ends must be no more than 5 lugs. No truck rear ends larger than ½ ton. Rearend bracing is allowed between OEM backing plates. Braces are for the sole purpose of strengthening rearend housing only. Axle shaft protectors are allowed.
- DISTRIBUTOR PROTECTORS are allowed. Distributor protector cannot be more than 3 inches max away from distributor cap. May not be welded, bolted or connected to body, hood or frame. Must be a minimum of 5 inches from the dash bar on all cars new or used. Forward supports must be inside normally positioned headers and not extend past the water pump. AFTER MARKET ENGINE CRADLES are allowed. Cradle to mid plate may be connected but in no way connected to frame. It can be no further than 8 inches from original mounts. Must connect to frame as a standard mount would. If you run a pulley protector no sway bar.
- If you have no distributor protector you may weld 2 one inch diameter rods one on each side from dash bar to top side of frame. Must be at least 3 inches behind a-arms. Welded to top side of frame only.
- Official's decisions are FINAL! If there is an altercation with an official you will be removed from the derby arena and or pit area and not be able to return.

### **REMOVAL OF CARS**

**Each driver must remove his/her car from the fairgrounds within 12 hours of the end of the derby.**

**Any cars remaining on the fairgrounds more than 12 hours will become property of the Free Fair Association.**

**ANY QUESTIONS ON THE BUILDING OF CARS, CONTACT RYDELL PENNER AT 316-303-6307.**