

## **Will County Fair Demolition Derby 2018 Weld Class Rules**

Any year hardtop automobiles or station wagons allowed. No FULL FRAME Imperials. No Hearses. No Ambulances. No Limos. No convertibles. Sun roofs must be covered.

**Engine and Transmission:** Any engine or transmission may be used in any car, but it must be mounted in a stock position. Front spark plug MUST be even or in front of the ball joint. If you weld your motor in, it must be to the engine cradle, NOT TO THE FRAME RAIL. If you weld it to the frame rail, it will count against your frame plate.

You can make your own transmission crossmember. It can be 2" x 2" square tubing max. You may weld two 2" x 3" x 6 1/4" angle to the frame to mount your crossmember (this does not count against your plate). If you add this angle, you must cut off factory frame mounts.

**Body:** NO PAINTED FRAMES. All trailer hitches must be removed.

All frames must remain stock unless otherwise noted. All frame seams may be lightly re-welded. Patching of the frame is allowed on fresh or pre-run cars. Patches are only allowed on the outside of frames (NO METAL INSIDE THE FRAME). You will be allowed 24" of plate per frame rail. Plate cannot exceed 3/8" thick or 4" wide. Your hump plates do not count against your 24" (IF YOU GO OVER YOUR PLATE ALLOWANCE, YOU WILL HAVE TO CUT OFF THE EXTRA).

A lower radiator support may be added between the frame rails in the stock location. It must be no larger than a 4" piece of channel iron.

Rubber body mounts may be removed, and the body bolted to the frame. Stock body bolts can be replaced with bolts no larger than 3/4" and washer no larger than 5" square. Two additional body bolts may be added. Bottom washers must be inside of frame.

You are allowed a 22" hump plate. The plate may be no more than 3/8" thick and must follow the contour of the frame.

**Cage Component:** You may have a 4-point cage around the driver's compartment. You can use up to 6" C-Channel or 4" x 4" square tubing max. Side bars cannot be any longer than 60". Bar may be run inside doors. Front bar may be run against the firewall. The rear bar can be no longer than 12" behind the driver's seat. You can have four down bars welded to your frame. Front bars can be no further forward than the front door seam. Bars must be straight up and down.

You may use a floating tank protector off the back bar no wider than 24". It can go back to the package tray but cannot be welded to it.

No angling of the halo bar.

You may have two wires, chains, or bars in your windshield. If you use bars, it can be 2" x 2" max. It can be welded 4" on the cowl and 4" on the roof max.

You must have one bar in your back window. It can be 2" x 2" max. It must be welded 4" to the roof and 4" on the trunk max.

**Bumpers:** Homemade front bumpers are permitted. If you choose to make a homemade bumper, it must conform to the following size limits: It can be no larger than 8" x 8" except the specified middle section. The point must taper over an area of at least 32" wide and cannot exceed 12" (wide front to back) at the tip of the point. The point may only extend out 4" from the flat part of the bumper. If using a factory bumper, it may be loaded or stuffed full.

Rear bumper must be factory and may not be loaded. You may use a 3" x 10" x ¼" strap welded from your bumper to the body.

Cars equipped with leaf springs will not be allowed more than 9 leaves in the stack. Leaves must have 1" stagger with the exception of one leaf equal to the main leaf and must consist of all stock leaves. You may add four homemade spring clamps per side. These clamps cannot be more than 2" long.

You may replace stock shocks with 2" pipe max.

**Tires:** Each wheel opening may have ten bolts max. ⅜" OD with no larger than a 1" washer. These bolts may be no further than 4" from the edge of the wheel opening.

No tires taller than 30". No split rims or studded tires. No foam filled tires. Full center and bead locks are allowed.

**Rear end:** Any rear end may be used. You may tilt the rear end by lengthening or shortening the trailing arms. OEM trailing arms must be used but can be reinforced. Watts-Link conversion can be done in the following ways: Use the upper and lower trailing arm brackets off an older Ford or aftermarket. Brackets are allowed but no thicker than ¼" and may be attached by with a max of 3 ½" bolts each OR a single weld pass on brackets. No positioning of brackets to strengthen the front down legs of the rear humps. Mounts must be mounted in a similar stock location of which the installed rear end was designed for. You can run chain, cable, or wire on two spots from the rear end to the frame.

Chain, wire, or cable may be installed between rear frame rails behind rear end in one place only.

**Suspension:** Front suspension may be solid. It can be done in one of three ways:

- You are allowed two 2" x 3" max strap welded per A-arm. Nothing can contact the frame rail and all attachments must be made to the spring bucket - only 1" on arm, 1" on spring bucket.
- One chain welded directly to spring bucket only.
- One bolt per side welded to the spring bucket only. May hold upper or lower A-arm but not both.

**Preparation of car:** All doors may be welded shut. Front doors may be plated using no thicker than ¼" plate, not to be any further than 4" past the door seams.

Hoods must have two holes, at least 4" in diameter, on each side of the carburetor – not directly over the carburetor. You may use twenty ⅜" bolts with washers no larger than 1" from hood to inner hood support. Hoods may be held down with a maximum of six bolts no larger than 1" in diameter with washers no larger than 5" square and ¼" thick. The front two bolts must go through existing core support mounts.

Trunk or tailgate may be welded solid with 3" x ¼" strap max with four additional bolts through lid – gate to frame. Bolts cannot exceed 1" diameter with washers no larger than 5" square x ¼" thick. Bolts may go through frame or lightly welded vertically alongside.

You must move the battery and gas tank inside car. One or two batteries may be used. Both the battery and gas tank must be securely mounted and covered. Neither one can help to keep the car from bending - just mount it straight down to the floorboards or connect it to the front and rear cage bars. Plastic tanks must be housed in a steel container or inside another container but cannot provide any support to the car body. Steel gas tanks are strongly recommended. Electric fuel pump shut off switch must be clearly marked and located within the driver's reach. Transmission coolers, if being used, must be relocated inside of the car and covered.

Car numbers must be large and bright in color and located on both front doors and the roof of vehicle.

Remove all glass, plastic, trailer hitches, and mirrors before arriving at fairgrounds. Remove all decking in wagons. Vehicles must be clean of all glass and garbage. Brakes and seatbelts must work at time of inspection and will be checked again when entering track.

Each required driver must fill out an entry blank. All drivers must supply their own cars, only one entry per person per class. Proof of ownership may be required on each car entered. All drivers 17 years of age or younger must have a notarized release signed by his/her parents or guardian. The track or promoter reserves the right to approve or reject any and all entries. All persons must sign the release form and receive a pit pass to be permitted in the pit area or on the track. No drinking of alcoholic beverages on track, emergency vehicle area, or in the pit area. Any driver or pit person under the influence of alcohol or drugs will be immediately disqualified and removed from the grounds.

Any driver or crew member disobeying the rules will cause his or her car to be disqualified. Unsportsmanlike conduct will not be tolerated and will be grounds for disqualification and barring from future derbies. Drivers are responsible for the actions of their crew members. No profanity allowed on cars. No political slogans. No offensive or controversial images.

Safety belts, DOT approved helmet, and goggles/safety glasses/face shields are required. A fire extinguisher is recommended at close reach in the driver's compartment. Drivers must wear long sleeves and pants during competition. No shorts or tank tops.

**Aftermarket products:** The only non-stock/aftermarket components allowed will be HEADERS, SHIFTERS, TRANS COOLERS, BRAKE MASTER CYLINDER, POWER STEERING PUMPS, GAS PEDALS, FUEL TANKS, TIRES, PINION BRAKE, DISTRIBUTOR PROTECTORS/CRADLE, TRANS/PROTECTORS, PTO/SLIDER DRIVE SHAFT, SPINDLES, BALL JOINTS AND STEERING/SHAFT.

**\*\* IF IT DOES NOT SAY IT IN THE RULES, YOU MAY NOT DO IT \*\***

**JOE SNOW IS THE HEAD INSPECTOR**

**ANY questions, please call or text Jason at (815) 693-7654 or Joe at (815) 409-1579 after 6:00 p.m.**