

Menard County Fair 2019 Demolition Derby Semi-Stock Class Rules

Derby Superintendent - Ben Hollis (217)306-6002

Asst. Superintendent - Zach Waibel (217)414-1327

The stock class is open to all individuals over the age of 18. Any individuals wishing to participate who are ages 16 or 17, must have a notarized permit from a parent or guardian. All participants must have a valid driver's license. NO one under the age of 14 is allowed in the pit area. The rules listed below shall be followed and will be enforced. [NEW RULES IN PURPLE](#)

Contest Regulations

Drivers may move their vehicles forward or backward. Contact must be made with another participant at least every 60 seconds or the driver will be disqualified. "Sandbagging" and "team driving" will not be allowed. If a driver is identified as a "sandbagger", the competition will be stopped and the driver will be marked as a sandbagger. Cars must move or show visible damage when hit. [Drivers must remain in their cars with helmet on until the car is removed from track or officials tell you different.](#) – If this rule is not followed, any prize and/or trophy will be forfeited. Make sure your helmet strap is fastened; if helmet keeps coming off during race you will be disqualified. All drivers MUST attend driver's meeting prior to contest in order to participate. **THERE WILL BE NO "VOTING" PROCESS IN THE DRIVER'S MEETING TO ALLOW CARS IN THAT ARE NOT IN COMPLIANCE WITH THESE RULES. IF YOUR CAR IS OUTSIDE THE RULES, THEN YOU WILL NOT BE ALLOWED TO RUN. DRIVER'S DOOR HITS ARE NOT ALLOWED! YOU WILL RECEIVE ONE WARNING; ANY FURTHER VIOLATIONS WILL RESULT IN DISQUALIFICATION.**

Entry Fees

Entry fees for each car/driver will be \$40.00. Pit persons will be required to purchase a pit pass for \$10.00 (Pit persons will also pay a \$10 admission to the fair in addition the pit pass, for a total of \$20.00). All drivers and pit persons must sign a waiver/release of liability before entering the pit area or track. Entries will be accepted until one hour prior to the beginning of the event. Any entry submitted less than one hour before the start time will result in a \$10.00 late fee. Entry fees and pit passes are NOT refundable.

Preparation of Cars

Any year/make of vehicle will be allowed, except for the following: Imperials, "Suicide" Lincolns, or hearses. Ford Crown Victorias manufactured in 2003 and later MUST use factory cradle. The following are NOT allowed: screws, plastic gas tanks (heavy duty plastic racing fuel cells are allowed), wedging, "sedagons", Jeeps, trucks (Ranchero, El Camino, etc.), carryalls, hearses, limos, or convertibles. Any items/parts that are flammable MUST be removed. All glass, chrome, carpet, headliners, back seats, pot metal, and fiberglass must be removed. DO NOT break the glass down into the door panels. Trunks must be clear of all items/debris. Spare tires must be removed and wagons must remove spare tire flap. Holes must be cut in spare tire flap if not removed so that a proper inspection may take place. There will be NO welding

whatsoever besides what is stated as allowable in the rules. It is mandatory that numbers are painted on both front doors, large enough to be read. Number must also be painted on the roof. ABSOLUTELY no profanity allowed to be painted on the cars. **THERE WILL BE ABSOLUTELY NO WELDING ALLOWED BEYOND WHAT IS STATED IN THESE RULES, ANY WELDING DONE BESIDES WHAT IS STATED WILL RESULT IN A FAILED INSPECTION AND DISQUALIFICATION. PLEASE BE AWARE, A BOROSCOPE CAMERA WILL BE UTILIZED FOR INSPECTIONS.**

Engine/Transmission

Any engine or transmission may be used, but must be mounted in the stock position. V-block engines must have the front spark plugs even with or in front of the upper ball joint. In-line blocks must have the #2 spark plug even with or in front of the upper ball joint. Lower cradle front plate and pulley protectors are allowed, nothing else.

Factory or aftermarket motor mounts are allowed, **BUT MUST HAVE BUSHING**. You may only weld the lower motor mounts to the engine cradle. ½" thick spacers can be utilized to raise the engine to clear the steering systems, but may not exceed the rubber mount area.

Transmission protectors and braces are not allowed. All transmissions must be mounted in the stock position, utilizing the stock cross members. You may use 2"x2"x 1/4" angle iron, 4" in length, welded to the inside frame rail to mount the stock cross member. 2"x2"x1/4" square tubing may be used. No other welding is allowed. Aftermarket bell housings are allowed. Transmission coolers are allowed but must be mounted in the front seat area and installed safely. Officials will inspect all transmission coolers for approval.

Radiator

Any automotive radiator is allowed, and you may use 1/4 inch expanded metal. You are allowed 8 bolts in 8 locations to mount the radiator. Mounted to the core support only, in between the frame rails. NO WELDING ALLOWED

Battery

The battery must be secured in position and covered with a non-flammable material. Rubber tubes, floor mats, etc. are sufficient. No more than two 12 volt batteries are allowed.

Suspension

Suspension must remain stock and can NOT be welded (other than exception below). Trailer hitches, special lifts, blocks, etc. must be removed. Any air suspension/shocks/bags/lift must be deflated. The car must have give and be able to bounce. Trailing Arms & A-Arms may be lengthened or shortened, overlap may not exceed one inch. **You may bolt the A-Arms with one 5/8 bolt. If not bolting, you may use #9 wire or chain. No more than four wraps if #9 wire is used, and no more than one 3/8 chain wrapped once if chain is used. Spring spacers are allowed. A-Arms may be welded with the following specs: 1 strap on each upper a-arm, the strap dimensions must be 2"x6"x1/4", with the 6" being vertical. NO other form of reinforcement is allowed.**

Rear End/Differential

Any automotive rear-end is allowed, with axle savers, stock control arms, and fully braced.

Drive Shaft

Drive shafts may be shortened or lengthened. You may also use a slip drive shaft.

Hood

The hood must remain in the factory position. Six hood bolts are allowed, but only two may go through the frame outside of the radiator. Bolts may not exceed $\frac{3}{4}$ inch and washers are not to exceed an outside diameter of six inches. Two holes MUST be cut in the hood and be large enough for a fire extinguisher. The holes are not to be directly over the carburetor. 20 bolts may be used around header holes, and can be no larger than SAE 3/8. Washers on these bolts can have an outside diameter no larger than one inch.

Trunk

Four $\frac{3}{4}$ inch bolts are allowed in the trunk, and all 4 may go through the frame. Washers on these bolts must have an outside diameter of six inches or less. Trunk lids must remain on factory hinges and may be secured with chain or #9 wire. "Tucking" or "V-ing" trunk lids is allowed but wedging is NOT. **NO MORE THAN 50% OF THE TRUNK MAY BE TUCKED. Welding of the trunk is allowed. If welded, you must weld 5 inches then leave 5 inches, utilizing 2" by $\frac{1}{4}$ " strap. If you don't weld the lid, you may utilize 12, 3/8" bolts. Trunks may be creased, but double creasing is not allowed.**

Body

Body seams may not be welded. Patching is not allowed, however pre-denting is allowed. Creasing is allowed, however you cannot double crease.

Fenders

Fenders may be trimmed and bolted. No more than **10** bolts per fender, and bolts can be no larger than 3/8 inch. Washers can have an outside diameter of no larger than one inch. **Quarter panels must remain vertical within 3 inches of OEM position.**

Body Mount Bolts

Body mount bolts and bushings must be factory. If a body mount bolt is missing, you may use wire to replace the bolt or a bolt that is the same size as a factory bolt. 3" washers are allowed. You may replace 4 body mount bolts of your choice in the cab of the car. Bolt can be no larger than 8"x3/4", with a maximum of 2 nuts.

Frame

Vehicles manufactured in 1980 or later are allowed to tilt. Welding is allowed from the rear of the A-arm to the transmission cross member. You cannot exceed 14" of welding per frame rail (maximum). If you are tilting an 1980 or newer car, this counts as part of the 14". Notching of the frame is allowed. **Patching of the frame on ANY car (pre-ran or not) is allowed. You may use six 4"x6"x1/4" flat plates to patch. You must have at least 4" between each plate and bracket. WE WILL MAKE YOU CUT THE PLATES OUT IF YOU VIOLATE THIS RULE. Refusal to cut the plates out will result in disqualification and NO REFUND of entry fee.**

Doors

Driver's door may be welded solid with a strap no bigger than 3 inches, on the outside only. One strap is allowed per seam on the driver's door, for a total of two straps. **All other doors may be welded "5 on 5 off" method, with strap no larger than three inches.** You may also chain or wire the doors. Wagon tail gates cannot be welded, but may be secured with chain or wire in four places. **Front doors may be skinned for driver safety only, with a thickness no greater than 3/16".**

Cage

All driver's and passenger doors may be reinforced. A six (6) point cage should be utilized, with cross bars configured as follows: one across the dash; one behind the front seats; one in the rear seat. You are allowed four (4) down tubes, two (2) per side. Lower door bars are allowed between the down tubes, but must be six (6) inches or more above the top of the frame. Nothing may be outside of the driver's compartment. You may install steel plate between the front doors and cage, but it must be securely fastened to the cage. The front bar must be mounted no more than 2" below the bottom of the front window seal and be no more than 4" in diameter. You must have at least 6" of space between the front bar and firewall. The front bar is not to make contact with or be attached to the firewall in any way.

All down tubes must be behind the dash bar, oriented straight up and down, and on the flat part of the frame. The down tubes cannot go to the body mount boxes. NO KICKERS to the front or rear humps. Nothing allowed outside of the driver's compartment. Grater blades, metal plates, and tubing are not allowed on the exterior of the body. Door bars CANNOT be inside of doors.

GAS TANK PROTECTORS are allowed with the following rules: they **must** remain 6" from the back of the sheet metal and **cannot** be wider than 24" wide.

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Bumpers

All "OEM" automobile bumpers must begin as an "OEM" bumper. You may load the front and rear bumpers if you choose to do so. Bumpers that are loaded MUST be stock appearing or they will not be allowed. Any and all reinforcement must be in the bumper itself or behind it. You may weld the bumper bracket to the frame, four (4) inches from the back of the bumper, utilizing one pass only. Homemade bumpers are allowed, however they cannot exceed 6x6x1/2 inch, with no more than a four (4) inch point over a 32 inch span.

- You may collapse and weld shocks on bumpers. Shocks and brackets must remain in the stock position. Shortening of the frame is allowed, but at 1" of the frame must extend past the front body mount. You CANNOT move the core support. On "old iron" GM's, you can cut off the piece to square up the front frame if you choose to "hard nose" your car. Bumpers can be "hard nosed".

- One piece of chain may be utilized per side, bolted from mount to mount to hold the bumper on. You may weld a piece of 2"x1/4" strap from the frame to the bumper, with 1" overlap on each end.

- If you are not using the factory bracket/shock you may use 1 - 5"x4"x1/4" strap per frame rail.

-Height rule: Bumper height cannot exceed 26" from the ground to the top of the bumper or 16" from ground to the bottom of the bumper. This will be enforced strictly.

Gas Tanks

Maximum of six gallons of gas allowed. Fuel cells, metal boat fuel tanks, etc. allowed. NO stock gas tanks are allowed. Fuel tanks must be placed in the back seat and be secured. Bungee cords/tarp straps are not to be used to secure fuel tanks. Fuel cells must have a secure cap and be leak proof. All fuel lines must not leak. Stock fuel tanks in cars must be removed or have holes in them and be washed out. No plastic tanks are allowed other than heavy duty plastic racing fuel cells. You must have a shield of metal between the driver and fuel tank, and the shield can be mounted with screws. If your fuel tank is not properly secured or your fuel system is found to be unsafe, you will NOT be allowed to participate.

Tires

DOT approved light truck tires and a tire inside a tire are permissible. **Fluid inside of tires and valve stem protectors are allowed. Fork lift, tractor, and implement tires ARE allowed. Bead locks and full weld centers are allowed.**

Steering Column/Brakes/Shifters

You may add knuckles to OEM steering columns or choose to use aftermarket columns. You can relocate the shifter on the floor. Brakes must function properly and pinion brakes are allowed. Cable shifters and gas pedals will be allowed.

#9 WIRE

#9 wire is allowed from sheet metal to sheet metal, utilizing 2 strands from bumper to core support. Out board of radiator, 4 strands per spot. You may use it 6 places on the hood and trunk, utilizing no more than 4 strands per spot. You may weld washers no larger than 1" for running wire through. **No where else.**

SEE NEXT PAGE

Safety Rules and Regulations

1. Safety belts are required.
2. **NO alcohol or drugs allowed on the track or INFIELD. Alcohol will be confiscated, and you will be warned. Further violations may result in your removal from the fairgrounds.** Anyone found to be intoxicated will not be allowed to participate.
3. Cars must have at LEAST one bar attached in the center of windshield area from roof to dash to prevent roof collapse. Two bars are recommended.
4. DOT approved helmets are mandatory and must be worn at all time while participating. Open face helmets are not recommended and any injuries received from wearing open helmets will not be covered by insurance.
5. Face shields or safety glasses/goggles are highly recommended.
6. Long pants and a shirt must be worn. Fire suits are recommended.
7. No pit persons are allowed on the track.
8. Two fires will disqualify a car/driver. Any fuel related fires will automatically cause a disqualification.
9. Radiator overflow lines must be pointed towards the ground and secured in this location to prevent any fluid from being expelled towards officials, other drivers, etc.
10. Header pipes must be pointed straight up and are not allowed to be pointed toward the front of the car.
11. **Any alterations to cars after inspection to circumvent rules will result in immediate disqualification.**
12. **Please be respectful to all participants, officials, and spectators. This sport is for entertainment for all, and all officials are volunteer.**

Contact Assistant Superintendent Zach Waibel at (217)414-1327 with any questions regarding rules that pertain to setup of a car. If unable to reach him, contact Superintendent Ben Hollis at (217)306-6002. If you have **ANY DOUBT** about whether your car preparation is within the rules, it is highly recommended you contact us.

Any protest must be made to the Superintendent or Assistant Superintendent and must be within five minutes of the completion of the heat. No protest will be taken after the Feature event and only drivers are allowed to protest. **All officials' decisions are FINAL and no arguing will be tolerated.** Officials may re-inspect top cars.

These rules must be strictly adhered to and are in place to ensure the safety of everyone. The rules are also in place to ensure this remains a "stock" class and they are non-negotiable. Failure to follow the above stated rules and build specifications can and will result in disqualification. Any modifications to your car, after it has been inspected, that are in violation of the rules, will result in immediate disqualification. Entry fees will not be refunded if you are disqualified, and you may be banned from all future events. We reserve the rights to re-inspect your car at any time.