McKean County Fair - Demolition Derby Rules

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6:00 pm Sat., August 19, 2017

Compact Cars/Full Size Cars
Modified Compact Cars/Full Size Cars
Trucks & Mini Vans
Heats & Features

NOTE TIME CHANGE

All cars must in the inspection line by 5:00 PM on the day of the Derby.

NOTE RULE CHANGES QUESTIONS?

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The number of cars/trucks entered will determine the number of heats.

If time permits, a last chance event will be scheduled between all non-winners from the first events. The winner of this event will qualify for the championship event.

GENERAL EXPLANATION: The Demolition Derby is designed as an unusual spectator attraction and is in the interest of safety. Anyone entering is subject to the following rules and regulations as set forth by the McKean County Fair Association. Officials reserve the right to accept or reject any and all applications.

Drivers, owners, and mechanics who sign the release sheet, will be permitted in the pit area, fee \$20 per person include one car fee, \$10 fee for each additional car.

DRIVER'S ENTRIES AND CREW CONDUCT

- If driver is under 18 years old, he/she must have a notarized minor's release, signed by a parent or guardian.
- All drivers must supply their own car.
- A driver may enter as many cars as there are qualifying heats.
- Drivers not obeying the rules will be disqualified. (All rules will be described at Drivers' Meeting prior to Derby.)
- All drivers must attend the drivers' meeting before show.
- Flame retardant fire suit recommended.
- The conduct of driver or crew can disqualify driver from current and future events.
- NO ALCOHOL PERMITTED!!

GENERAL RULES

- All entrants must be at least 16 years of age or older
- Cars must be removed from fairgrounds within 24 hours following the event or the car will become the Fair's property.
- The pit area will be open for pre-derby inspection at noon on the day of the event.
- All entrants must be in the inspection line in the pit area by 5:00 p.m. NO EXCEPTIONS!! YOU WILL NOT RUN!!
- The first heat will start after all inspections are completed and driver's meeting is held.
- Any injuries must be reported to the officials immediately no matter how small they seem to be.
- Drugs and/or alcohol use or possession will not be tolerated. Any drugs or alcohol found will be confiscated and not returned and may result in driver disqualification. Anyone found under the influence of drugs or alcohol will be disqualified and may be banned from any future events.
- The McKean County Fair or any of its members will not be held responsible for injuries or damage to any vehicle, entrants, and mechanics or car owners.
- The McKean County Fair reserves the right to accept or reject any or all entries.

DRIVER'S RULES

- Drivers must wear DOT or Snell approved full face helmet with shield or other eye protection. Must also wear long pants and long sleeve shirt and/or long sleeved coveralls. Fire suits and gloves are highly recommended.
- A commercially produced neck roll or wedge neck collar is recommended.
- Vehicles must have factory seat belt or better seat belt in working condition.
- No driver's door hits.
- When a car becomes disabled, the drivers are to remain in their cars, with helmet and eye protection and seat belt on.
- No teamwork. No sandbagging. No holding cars. Offenders of these rules are subject to official's penalty decision.
- Any car sitting still, during a heat, for more than 60 seconds will be disqualified.
- No entry fees will be returned to entrants found to have an illegal car.
- No protesting or arguing with the officials during the race. Doing so may, at the head official's discretion, result in disqualification forfeiting any prize money and immediate eviction from the grounds and future events.
- Any car deemed a safety hazard will be shut down at the discretion of the officials.
- All decisions by the derby officials are final.

JUST BECAUSE IT IS NOT MENTIONED IN THE RULES, IT DOES NOT MEAN YOU CAN DO IT!! Call with questions.

CAR RULES

- Any foreign or domestic mass-produced 2 or 4 door hard top car or station wagon is permitted. No Chrysler Imperials or Imperial type frames 1973 or older.
- All cars must have an identifying number displayed on each side and the roof. Roof signs may be used, and recommended, but must be properly secured.
- No extra screws, bolts, welds, chain, wire, rope, glue, adhesive or other fasteners may be used besides what is covered in these rules.
- All glass, plastic and chrome molding, and flammable materials must be removed including door handles and locks. No broken glass in doors.
- The car must be clean and free of loose debris in the driver's compartment and trunk.
- All trailer/towing hitches must be removed.
- All airbags must be removed.
- Drain air conditioners. Rubber hoses must be cut or removed prior to arrival.
- No reinforcing anywhere!! Patching of repair rust and major damage will be allowed at officials discretion. Cars are to be considered stock or less unless otherwise noted.
- All cars must have seat brace.

SAFETY AND RUNNING

- Each Driver/Car is allowed 1 re-inspection.
- Only Driver or 1 Crew Member is permitted during inspection. All vehicles subject to Post-Feature Inspection.
- Officials' decisions are final!!
- Any door that comes open will result in disqualification. Any vehicle leaking fuel will result in disqualification.
- Boundaries will be maintained at all times.
- 60 second time limit on all hits. Hits must be aggressive.
- Sandbagging will not be tolerated and will result in disqualification.
- All cars must have dependable brakes.
- All Drivers must attend the driver's meeting.

2017 STOCK COMPACT CLASS

- Any compact 4 or 6 cylinder fwd.
- Must have windshield bars or chains on the front windshield area only to protect the driver.
- Hood must have 10 x 10 hole for fire personnel. Hood cut out bolts may be used. Maximum 12 per hole -no larger than 3/8" bolts.
- Driver's door reinforcement is mandatory if car does not have a full cage. Must be on the outside of the car. Not to exceed 10" in front and behind door seam.
- Car cannot be unsafe do to rust, discretion of the officials
- 4 point cage is recommended. Must not extend past door posts more than 6", maximum size material 3"
- Gas tank protectors can be used maximum size 24"x 24" starting from the door post and not attached to any sheet metal
- Halo bar can be used straight up maximum size material 3" not to be mounted through the floor
- Driver door can be welded closed, using strapping no more than 1/4" thick x 2"wide
- All other doors can be chained, wired or banded shut in up to 3 spots
- Trunks can be wired, chained, or banded in 3 spots per seam with a 12 x 12 inspection hole in lid
- Hoods can be wired, chained, or banded in 3 spots per seam.
- Body bolts must remain in stock location and stock size.
- rear bumper may be chained to the body with 3/8" chain or wire in two spots only, rear bumper may also be removed
- Front bumper may be replaced with another fwd car of equal size example if your car has a fiberglass bumper you can get a bumper from a small car that came with a factory metal one. These can only be bolted back on with factory size bolts
- Front bumpers can also be chained, wired, or banded through the body of the car not to any part of the frame.
- Steering and suspension components must remain stock, no reinforcing of any components or stuffing up suspension in any way. This included the rear suspension as well
- No adding metal anywhere
- No engine protectors or cradles allowed of any kind
- Stock DOT tires no larger than 17"
- Cutting fenders for wheel clearance is allowed.
- Must have working brakes
- Must have a driver seat belt
- Battery can be relocated to the passenger side front floor and mounted securely with a good cover
- Original gas tank can be used if located in front of the rear axle and one extra strap added along with the factory straps

2017 STOCK COMPACT CLASS - cont. Page 2

- If using fuel cell a high pressure fuel line must be used and covered. Also tank must be secured and covered properly
- Double clamp all fuel line hose connections.
- Electric fuel pumps must have an on/off that is clearly marked.
- This is a stock class, any deviations of the rules may result in moving up to the pro-stock class

2017 Modified Compact Class

GENERAL

- Any 4 or 6 cylinder front wheel drive
- Must have a 10x10 cut out hole in hood for fire personnel. You may use no more than 12 hood cutout bolts and must be no bigger than 3/8.
- Batteries must be moved to the passenger side floor and must be secured and covered. Battery must not be able to wiggle.
- You must remove original gas tank and use an inside fuel cell.
- Tanks must be bolted or strapped to the floor unless it is in a homemade protector (noted under CAGES AND PROTECTORS)
- All boat/marine tanks must be covered
- Must have (2) bars no bigger than 3 inch for the windshield going from cowl to roof. May run across roof and connect to halo.
- Must have working brakes.
- Radiator must remain in the stock location if being used. You may also loop your radiator hoses using a close loop system.
- Dashboard may remain in the car
- Heater core must be looped or eliminated

BODY AND FRAME

- Rust patching will be accepted at officials' discretion.
- Call first to prevent any confusion
- Hoods may be folded over in the front to protect radiator
- Hoods must be secured in one of three ways
 - 1) You may use up to (4) ¾ inch bolts with 2 of the 4 going through the core support. You may go through the frame!
 - 2) You may use up to (6) pieces of angle that is welded on the hood, and (6) pieces of angle that is welded on the fenders that is to be no more than 4 inches wide each. You may bolt or wire the angle together.
 - 3) You may use up to 3/8 inch chain or #9 wire in up to 8 places. If using #9 wire you may use the washer method. (Welding washers over the holes in the hood and fender for extra support for the wire)

2017 Modified Compact Class - cont. Page 2

BODY AND FRAME - cont.

- Trunks must be secured in one of two ways
 - 1) You may weld the trunks solid.
 - 2) You may chain or wire the trunk in no more than 8 places.
- Trunks may be tucked but quarters must remain vertical. No wedging.
- Pre bending/notching is permitted but no welding notches back.
- Driver's door reinforcement is required. You may weld driver's door solid. Any exterior plates/bars may not exceed 10" inches past door seams.
- All other doors must be secured in one of two ways
 - 1) You may use (4) 3x3 plates per seam
 - 2) You may chain, wire or band each door in up to 8 places. If using #9 wire, you may use the washer method
- Frame seam welding will be permitted from fire wall forward
- No painting or undercoating the frames
- (1) 4X4 fix-it plate will be allowed on the frame forward of the fire wall. (**THIS IS FOR PRE-RAN CARS ONLY**)
- There is to be NO additional adding of metal to the body or frame in any way unless approved by the promoter.

BUMPERS

- Any year car bumper may be used except for MOPAR pointy bumpers.
- No homemade bumpers
- Bumper seams may be welded but ABSOLUTELY NO LOADED BUMPERS. If we cannot see inside of the bumper, you will not use that bumper.
- You may weld bumpers to shocks and shocks to frame. You may use the first 10 inches of frame to mount your bumper inside or out.
- You may hard-nose, but if you choose this method you may only use the first 3 inches of the frame for bumper mounting purposes.
- You may use #9 wire from core support to bumper in 3 places.

2017 Modified Compact Class - cont. Page 3

CAGES AND PROTECTORS

- Cage material may not exceed 4x4 or 2x6.
- 4 point cages are highly recommended. This consists of the mandatory seat bar, a bar going across the dash area parallel to the firewall and one bar running on each side of the doors connecting the front and rear bar.
- You may run (2) gussets on the passenger side not to exceed 10 inches in length
- Halo bars are also highly recommended.
- If running a halo, you must connect to the seat bar and it must go straight up. **DO NOT TILT YOUR HALOS.**
- You may use a fuel cell protector. Fuel cell must be mounted inside protector in order to be used. Must be 24x24. May go back to speaker deck depending on size of the car but must have a 2 inch gap, but may not exceed 24x24 or go any further than the speaker deck. CANNOT BE WELDED OR BOLTED TO ANY PART OF THE CAR. ONLY TO THE SEAT BAR.
- All material used must be no bigger than 4x4 or 2x6
- Rear window bars will be permitted but must run from the speaker deck up to the roof. You may not connect to the halo bar. May use no more than a 6x6 mounting plate for the window bar.
- Bar must be no bigger than 2 inches wide.
- NO kickers of drop legs
- Engine protectors ARE ALLOWED

TIRES

- Any tire will be permitted (IMP, paddle, skid steer, or doubled).
- Skid steer and tractor implement tires will be permitted
- Tires may be doubled and or tubed
- NO liquid or concrete filled tires
- NO screwing tires to the rim
- NO studded tired
- NO bead lockers
- You may use valve stem protectors only.

2017 Modified Compact Class - cont. Page 4

SUSPENSION

- Suspension may be solid
- Stock suspension components must be used unless otherwise noted
- Trailing arms may be 2 x 2 box tubing no thicker than 1/8".

2017 Stock Full Size Class

INTERIOR AND BODY

- Any battery, any size permitted. Must be securely mounted and covered. Push button and switches are permitted. No loose wiring. Electric fuel pump switch must be clearly marked.
- Original fuel tank must be removed and replaced with a marine type steel tank or homemade fuel cell and securely mounted and covered.
- No plastic tanks are permitted. All fuel lines must be securely clamped and leak proof. Any car leaking fuel will result in disqualification. Electric fuel pumps are permitted.

BODY AND CAGE

- Doors must be fastened shut by wire, chain, banding, or welding. Any door that comes
 open will result in disqualification. We highly recommend reinforcing the driver's side
 door.
- Driver's door may be welded solid for safety.
- All other doors must be secured in one of two ways
 - 1) Welding maximum of 3 locations of 3" x 3" strapping per door seam. Vertical seams only.
 - 2) You may chain, wire or band each door in up to 5 places.
- It is recommended for your safety that a 4 point cage be placed in the driver's compartment. Bars not to exceed 4x4 or 2x6.
- 1 bar across dash (above steering wheel) and 1 bar behind rear seat. 2 joining bars, perpendicular to dash and seat bar, to attach them together. End plates must not exceed 12" square. Bars must be securely welded.
- You may run (2) 12 inch gussets on passenger side only.
- No Kickers permitted anywhere.
- Seat bar is mandatory for safety.
- Halo bar is permitted for your safety. Must tie into rear seat bar only and be straight up and down above driver.
- Mandatory: Front window bars in 2 locations must be used in driver's windshield (wire, chain, steel 4" max). Must go from cowl to roof. May run across roof to the halo.
- 1 rear window bar is permitted. May not be connected to deck lid. May not attach to floor. Sheet metal to sheet metal only. No additional bars may be added to cage (unless noted). All cage/bar material must be structural and securely welded for your safety.

2017 Stock Full Size Class - cont. Page 2

BODY AND CAGE - cont

- Gas tank protectors are permitted. Tank protector must be connected to rear bar (seat bar) and may be no larger than 24x 24. Cell protector may go to speaker deck but may not go into the packaging tray. Must stay within the 24 x 24 measurements and cannot be welded or bolted to any sheet metal. Tank protector may be built of no larger material than 4 x 4 or 2 x 6 and may have a back plate.
- Wheel wells may be trimmed, rolled, or folded for clearance. 4 bolts per wheel well, maximum 3" washers & ½" bolts.
- Hood must be fastened shut in one of 3 ways.
- HOOD MUST BE FASTENED SHUT IN ONE OF 3 WAYS
 - 1) You may chain, band, or wire in a maximum of 6 locations. Sheet metal to sheet metal only.
 - 2) You may bolt the hood going through core support using up to ³/₄ inch bolts and chain band or wire in the other four locations.
 - 3) You may weld angle to hood and fender and bolt or wire through in up to 6 locations. Angle may be no larger than 4 inch and ½" thick
- Deck lid or tailgate must be fastened shut in one of 2 ways.
 - 1) May be chained, wire, or banded in up to 6 locations. Two (2) of those locations may go around the rear bumper.
 - 2) May be welded using no more (3) 3 x 3 plates per seam. May not be welded to the rear bumper.

CHASSIS/FRAME/SUSPENSION

- No frame swaps permitted (example: Chrysler frame on GM, etc.) Frame must be make to make, year to year frames cannot be reinforced or strengthened in anyway what so ever!! Frames will be checked thoroughly. Official's decision is final!!
- Pre-ran frames may be repaired at a minimum. Repairs are only permitted where needed.
- Notching frames are permitted.
- **NO** tilting of frame.
- Frame seam welding firewall forward.
- No shortening of frames.
- No hump plates permitted. Rear end may be chained to humps.

2017 Stock Full Size Class – cont. Page 3

CHASSIS/FRAME/SUSPENSION-cont.

- Trailer hitches must be removed.
- No special bumpers.
- Any year bumper permitted. No loaded bumpers.
- Factory bumper shocks & brackets may be used and welded to outside of frame using no more than 6'' of frame or bumper may be hard-nosed to frame with single bead of weld. No added metal. Bumper may be chained to frame with single loop of chain. Bumper may be welded to shock with single bead of weld. No added metal. Shock may be welded to frame with single bead of weld. No added metal.
- Original body bolts & hardware must remain in factory location with one extra mount per side. May replace rubber mount with hockey puck, and body cannot be mounted directly to frame. 1/2" maximum bolts.
- Broken/rusted bolts may be replaced. 1/2" maximum bolts.
- No welding washers to frame/body. Factory spacing must be present.
- Suspension must be factory. No leaf conversions. Factory leafed cars must retain factory leafs. No added clamps. No solid shackles.
- Coil springs may be welded or wired in place
- Front suspension may be welded solid in 1 of 3 ways only
 - 1) Weld A-arm down. Front side only. Single bead of weld. No added metal.
 - 2) 2" wide x 3/16" thick strap from lower a-arm to frame on back side only.
 - 3) 2" wide x 3/16" thick strap from upper a-arm to frame. Abuse it and lose it!!
- Factory OEM (original equipment manufacturer) steering components only. No aftermarket spindles, ball joints, or tie-rods. Aftermarket steering columns are permitted.
- Stock OEM trailing arms must be used.
- No plated wheels.
- Only weld in centers to acquire bolt pattern may be used. 18' maximum on wheels.
- Pre-ran cars may use no more than 2 fix a plates. Maximum size 3" x 3" plates.
- Cannot overlap or touch. May only be used on damaged areas.
- Rips and tears in body panels may be spot welded back together.
- Must use 5-lug rear ends

2017 Stock Full Size Class - cont. Page 4

ENGINE AND TRANSMISSION

- Any motor/trans combination is permitted.
- No engine protectors of any kind are permitted. No distributor protectors of any kind permitted.
- Engine cradle only is permitted. Must bolt directly to motor only. No added bolts or mounts. No welding to frame. Must not reinforce frame in any way.
- Motor and transmission mounts may be chained or welded so long as it does not strengthen frame in any way.
- May change transmission cross member to fit different transmissions using square tubing no thicker than 1/4"
- Hand throttle permitted.
- Shifting linkage may be altered. Aftermarket shifters are permitted.
- Transmission coolers are permitted and must remain under hood. Must use pressure rated hoses and clamps.
- Slider shafts permitted.

TIRES, RADIATOR, AND FAN

- Maximum 18" DOT tires. No liquid in tires. Tubes permitted. No screws in tires, no bead-locks, and no studded tires permitted. No solid wheels permitted
- Wheel weights must be removed. No split rims.
- Valve stem protectors permitted.
- Radiators must remain in stock location. Steel clutch fans must be covered

2017 Modified Full Size Class

BODY/CAGE

- Gas tank protectors are permitted. Must be no larger than 24x24. May not be welded or bolted to any part of the car only to the seat bar.
- Front window bar is mandatory. Rear window bar may attach to halo bar
- Doors and trunks must be fastened shut by wire, chain, banding or welding. Maximum 3" wide strips. Doors and trunks may be welded solid.
- Rust holes may be patched with no thicker than approx. 14 gauge sheet metal.
- It is mandatory that a 4 point type safety cage be placed in driver's compartment. Bars not to exceed 4" diameter or square or 2x6 c-channel.
- 1 bar across dash and 1 bar behind seat. 2 adjoining bars, perpendicular to dash and seat bar, to attach them together. End plates not to exceed 12" square. Bars must be securely welded. Bars may not attach to frame in anyway. Gas tank protector may attach to safety cage only.
- Rollover bars are permitted and must be attached to safety cage only!
- No kickers front or rear
- Rubber body mounts may be replaced with max. 5/8" bolts and 3" washers and solid mounted. No welding body solid to frame!
- Wheel wells may be trimmed, rolled, or folded for clearance. Max 4 bolts per wheel-well, 3/8" max bolt with 1" washer allowed
- Hoods are optional. Steel clutch fans must be covered. Hood must have a 12" hole cut to either side of carburetor, unless using headers.
- Headers must be pointing exactly vertical hoods must be open for inspection and then
 fastened shut by #9 wire, banding, chain or bolting. 2 strands of wire per hole. Max. 8
 locations. 2 locations may run from hood to bumper or 2 locations all thread may run
 through core support & frame through hood. No larger than 1" all thread & approx.
 5"washers
- Drivers door may be welded solid for driver safety

2017 Modified Full Size Class – cont. Page 2

CHASSIS AND FRAME

- Pre ran frames may be repaired at a minimum! Notching is permitted.
- Coil spring cars may be converted to leaf springs & shackles. Maximum 7 stair step, car leaf springs. 2 ½" wide max. No truck springs. Only 1 main leaf must be on top. No hump plates with conversion.
- Maximum 4 clamps per spring pack
- Hump plates no thicker than ¹/₄" and no longer than 16 inches contoured or straight across.
- Trailer hitches must be removed.
- Max. 8 lug rear end.
- Slider shafts are permitted
- Any loaded bumper permitted. Dec & other aftermarket oem style bumpers permitted.
- Bumper height min. 16" from bottom of back bumper.
- May use up to 10" of front frame to mount bumpers.
- Frame seams may be welded. No weld wider than ¼" on frame seams! This will be strictly enforced!
- Tilting front frames to desired location is permitted. No added metal to reinforce frames. This will be thoroughly inspected.
- No flat decking. Tucking/creasing is permitted
- Locked front suspension is permitted. Must not reinforce frame in any way!
- Fix a plates: a total of 5 fix a plates permitted. Maximum 3"x3". Must have 1" gap between plates. No overlapping.

ENGINE AND TRANSMISSION

- Any motor/tranny combination is permitted. Motor and transmission mounts may be chained or welded, so long as it does not strengthen frame in anyway.
- Hand throttles permitted. Shifting linkage may be altered. Air cleaner mandatory. No
 ether. Transmission coolers are permitted and must be placed behind driver's seat. All
 lines must be securely clamped and leak proof. Burp tube is recommended on
 transmission dipstick tube to re-route fluids & prevent fire
- Distributor protectors are permitted. Engine cradles are permitted. Pulley protectors permitted. Motor plates permitted.

2017 Modified Full Size Class - cont. Page 3

TIRES, RADIATOR, AND FAN

- Maximum 16". May use imp. Paddle or skid steer tires.
- Tires may be doubled and or tubed
- NO liquid or concrete filled tires
- NO tire screws or rivets on the rims.
- NO studded tired
- NO bead lockers
- Wheel weights must be removed and no split rims.
- You may use valve stem protectors only.
- Radiator must remain in stock location. Steel clutch fans must be covered
- Electric fans permitted

2017 Truck Class

- Truck class will follow the same rules as Modified Full Size Class with the exceptions
 - 1) The fuel cell must be securely behind the driver.
 - 2) The body and bed bolts can be replace with up to 1" bolts with 5" washers.

2017 Mini Van Class

- Mini Van class will follow the same rules as Stock Compact Class with the exceptions
- Any year car bumper may be used.
 - 1) Bumpers may be welded to shocks and shocks to frame.
 - 2) The first 6 inches of frame to mount your bumper inside or out.
 - 3) You may hard-nose, but if you choose this method you may only use the first 3 inches of the frame for bumper mounting purposes.
- Suspension may be solid.
 - 1) Stock suspension components must be used unless other-wised noted.
 - 2) Trailing arms may be 2x2 box tubing no thicker than 1/8".

2017 McKean Fair Demolition Derby Payouts

50 Per Heat Win – All heat winners and $1^{st} - 3^{rd}$ Feature Places

Receive Trophies

Feature Trophies are New Taller Sizes

Class	Stock Compact Cars	Modified Compact Cars	Full Size Stock Cars	Modified Full Size Cars	Trucks (minimum of 5 entries)	Mini Vans (minimum of 5 entries)
1 st	\$600	\$800	\$800	\$1000	\$400	\$400
2 nd	\$300	\$400	\$400	\$500	\$200	\$200
3rd	\$100	\$200	\$200	\$250	\$100	\$100