

Shawano County Fair

# Full-size Street Stock Open

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04 SEPTEMBER 2023 / 12:00 PM Start / 11:30 Inspection Closes

*If it isn't in the rules you cannot do it! Ask first!*

**Question on rules call or text:**

(715)-851-7027

(715)-851-2120

## General

- Any year automotive vehicle 1960-2013 is allowed
- Except the following: **No 1974 and older Chrysler Imperials, 2003 and newer Ford's, Mercury's or Lincoln's.**
- Safety: Functioning seatbelts, Helmets, Eye Protection, Long pants, sturdy shoes or boots are mandatory. Racing Suit recommended . All air bags and charges must be completely removed before arriving to track for competition. Vehicles must have operable brakes.
- Preparation: All glass, headlights, tail lights, chrome, fiberglass header panels, carpeting, antennas, hubcaps, wheel weights, and garbage must be removed before coming to the track for competition. Trailer Hitches must be completely removed.

## Bumper

- Max height is 21" from ground to bottom of bumper
- Any completely factory front bumper is legal. Can be reinforced internally and skin welded down, and patched. No adding to factory dimensions of bumper when reinforcing, All bumpers may be hard nosed to frame.
- **No Amish Point style bumpers.**
- Aftermarket bumpers must follow specific dimensions. 6" by 6" outside diameter by 3/8" thickness maximum. No wider than the car, No sharp edges on the ends of the bumper. If using a point, it must be gradual and total width from backing plate to tip is no more than 10".

## Rear Bumper

- 15" Minimum Height bottom of bumper or frame
- Any automotive factory bumper may be used on rear of vehicles. Can be reinforced but cannot increase the dimensions of the bumper.
- Aftermarket steel tubes 3" x 6" 3/8" maximum with **no added points** may be used.

- Factory bumper brackets welded up to 8" forward of rear body mount. Bumpers may be tipped up to a 45 degree angle.
- Bumper shocks may go into the rear frame on Fords up to 8" **if not using bumper brackets, cannot have shock and aftermarket brackets.**
- May use 2 spots, chain or 9 wire from bumper to tail light area to assist bumper from falling off.

## Front Bumper Bracket

- Any factory automotive front bumper bracket is legal, or choice of using a plate 8" x 4" x 3/8" can be used. 1 side of frame only, cannot wrap frame.
- All brackets may be welded completely around a maximum of 8" back from the center of the core support hole.
- Same rule applies to welding bumper shocks to the side of the frame only.

## Core Support

- 1" Threaded rod max, no welding rod, 4 nuts max per rod
- No welding on support. 3" maximum material (round or square) core support spacer. Spacer must be free floating and not welded to frame/bumper or core support.
- Core support can have 2 spots to the front bumper, 9 gauge wire (4 loops), 3/8" chain max 30" long (no more than 1 LINK" welded on bumper and support.) or 2 -1/4" plates by 3" wide x 24" length max

## Radiator

- Factory radiators, or aftermarket aluminum radiators are legal.
- No auxiliary coolers. Water only, no antifreeze.
- May be held in with stock mounts, 2 metal straps max 2" width or 2 ratchet straps.
- Max 2 radiator hold downs.
- You may use an expanded metal protector, 1/8" flat sheet of metal or condenser in front of the radiator. Bolted in 4 spots to core support only. (3/8) Bolts
- Protectors must follow the dimension of the radiator. Max 2" wider than radiator.
- Cannot be used to reinforce anything, just protect the radiator. 1/8" **max thickness.**

## Fenders

- Fenders may be trimmed. 3 3/8" bolts with 1" washers to bolt outer and inner skin of the fender.

## Steering

- Steering box must be make to make (Ex. Ford/ford, Chevy/chevy)
- Aftermarket Tie Rods allowed but must have OEM or equivalent ends and be within reason on size
- Aftermarket steering columns allowed.

## Suspension

- A-arms can be interchanged, must be from a car that is legal to run in this class but cannot be altered from factory or reinforced in any way.
- You may add a screw in component to run over the counter part numbered ball joints. **No aftermarket ball joints.**
- No aftermarket spindles.
- You may use (2) plates per upper a-arm only, ¼" strap by 3" wide by 6" long, welded **straight down to spring bucket area only.**
- If you do not want to weld you may use 1 3/8" bolt per side in the center of the a-arm straight down to the factory flap on Fords.
- Sway bars must be make for make in the factory position. Cannot be used to reinforce car. **Cannot come in contact with any pulley protector at any time.**
- Bushings can be removed at lower a-arm and bolted with 3/8" bolt maximum.

## Frame

- Frames must be stock.
- If your car has a front upward pitch it must have upward pitch.
- **NO** tilting, tipping, cold bending, or pressuring.
- Frames can be shortened to the front of the core support/front body mount hole.
- Do not move core support or alter/move core support mount. No forming of frame.
- You may notch the frame in rear, or heat and dimple but do not pound in humps or weld anything

## Hood

- You may have 4 additional points to hold down the hood. 1" threaded rod, chain, or wire may be used. Sheet metal to hood only. Another choice would be to use 2 spots per side of 4" angle iron. May be welded to the hood and trunk. 1 3/8" bolt to secure the angle together.
- You may use a combination of choices as long as you are at 6 spots per hood maximum.
- Hood webbing may be bolted around cut offs with a maximum 12 bolts per hood. Hood hold downs may be max 6x6 by 3/8" plate steel.
- Minimum 12" hole must be for fires if running inner wheel wells.

## Engine & Transmission

- Engine Swaps are legal.
- Engine may use any protector that doesn't reinforce the car, such as lower cradle, pulley protector (Cannot touch sway bar) , front plate, ( no wider than engine,) tubes around air cleaner, header, (must cut hood back 4" from protector.) Header to header, (just above air cleaner).
- Factory frame mounts may be swapped for aftermarket, but must be bushing style not solid mounts. Not oversized. Maximum ½" motor mount bolt. **No additional mounting points if using an aftermarket cradle.**
- You may use 2 chains to hold factory mounts, 1 per side, to the spring bucket area only if not using a lower cradle.
- **No distributor protectors.**
- Transmissions must use factory cases, No transmission protectors, No mid-plates, unless over the counter style strictly to change bolt pattern.
- May use any bell housing, but if tight in the tunnel you must put 3- 3" relief cuts in the tunnel. **No forming tunnel sheet metal or being tight in the tunnel.**
- Crossmembers must be factory or 2" square tubing by 3/8" maximum diameter (Cannot reinforce in any way). Bolted or welded to the frame. You may use a 6" piece of angle per side to mount crossmember, cannot be within 6" of crush box, or s curve on GM's.
- Aftermarket setups must be free floating on crossmember. You may weld 2 pieces of angle on the crossmember to keep the trans from going side to side, as long as it doesn't prevent it from sliding back.

## Cage

- 4 point cage. Material not to exceed 6" diameter tubing or pipe.
- Dash bar mounted above steering column, at least 8" above tunnel, (If running shifter bar off dash bar, must be 6" above tunnel)
- Door bars cannot go further forward than dash bar, or back more than 12" of front seat. May have 2 4" max width down bars off door bars to sheet metal of floor, May weld chain off 1 down bar to frame. This down bar must be within 16" of the center post of the car.
- Rear seat bar must be mounted within 6" of center of seat, Rear seat bar may be contoured to accommodate taller/bigger drivers for additional space.
- Roll loop/Halo bar, must come off rear seat bar only. Roll loop to go straight up to roof. 2 3/8" bolts and 3" pieces of angle to bolt roll loop to roof for added roof support. No welding to the roof.
- Gas tank protector, Mounted off rear seat bar,, No more than 30" wide, 18" tall. 6" Min. Off floor, In station wagons 1" off rear end hump., any gussets off rear seat bar must not reinforce rear doors, Protector can be mounted tight to sheet metal. No altering sheet metal.
- No connecting to the rear window bar, or roof sheet metal.

## Window bars

- Firewall to roof vertically. 2 Max- flat/square material 3" max width. 1 horizontal bar may be used to connect to 2 vertical bars.
- Rear window bar max 2" material, 4" plate to mount to roof and trunk. May be welded or 4, ½" bolts per plate.

## Car Interior

- 2 batteries max or 1 larger style (semi) style is acceptable.
- Battery mounted to cage or front floor in a battery box. Wood or steel box no larger than 4" in diameter than the battery. Do not reinforce the floor with a battery box.
- **No factory gas tanks.** 10 Gal max size tank. Steel tanks only. Tanks with fittings only. Fuel line approved for that use only. **Any rubber lines going through sheet metal must be encased in a larger hose of some type of protection.** Tanks mounted off the rear seat bar. Bolted or minimum of 2 ratchet straps to mount.
- Gas pedal of choice, engine mounted or cable, No excessively large pedal setups to reinforce floors and car.
- Shifters must be mounted to keep drivers safe. Cutting out firewall for distributor clearance is OK
- No cutting out tunnels completely.

## Body Mounts

- 1/2" Max diameter body bolt
- Body mounts may be replaced, No adding mounts over factory. ½" maximum factory body bolt.
- Cannot extend through the bottom of frame
- The body mount can go through sheet metal with 4" maximum washer and nut.
- You may replace spacers with steel mounts or remove them completely.
- **Cannot weld spacers to frame or body.**

## Doors

- May be welded or chained/wired. Maximum 3 spots per seam. 6" long, 3" wide by ¼" if welding doors with added material.
- The Driver's door is unlimited for welding or chaining.
- You may duct tape posts with a maximum of 8' of surface. If coming from a show that allows more you must trim to fit within the rules

## Wheels & Tires

- Minimum 14" wheels, maximum 16" wheels allowed.
- Wheels may have full or 7" centers to change patterns.
- No homemade wheels, **must start as a factory wheel.**
- Bead protectors and lug nut protectors are ok.
- 23" minimum 30" maximum sized tires. Any ply. Doubled tires are ok.
- No foam filled or solid tires.

## Rearend

- Any OEM automotive rear end. **Max 8 Lugs.**
- Hybrid rear ends using factory components are legal.
- Rear ends may be braced as long as it doesn't reinforce the car in any way.
- No aftermarket oversized rear end designs will be allowed. You may use 2 chains to assist in holding in rearend. 3/8" Chains around humps and around rear end may not exceed 36" long with no more than 2 bolts per chain. Do not weld chains to anything.
- Leaf springs must be automotive. 9 max per side, factory type stagger. 6 clamps per side, factory or 3" wide using up 7/16" bolts.
- No leaf conversions.
- Watts conversions are legal if using 1/4" style components, on cars that are not 4 link.
- Upper watts bracket max size 5"x5"x 1/2" held in with (4) 1/2" bolts or (4) 1" welds per bracket.
- Lower watts brackets must be in the stock spot on the frame. 4"x4" max can only be boxed on one side, welded lightly.
- If using a watts conversion kit all original watts link arms must be removed.
- Pinion brakes are allowed as long as it does not strengthen the frame.

## Trailing Arms

- Trailing arms must remain stock to make. May be reinforced, lengthened or shortened, with 1" overlap, but **must start as factory and retain factory bushings.**

## Trunk/Tailgates

- 4 spots Maximum.
- Trunk lid may be tucked up to 50% but must stay on hinges or removed.
- 2 spots maximum to frame using 1" threaded rod.
- May be welded to the side of the frame vertically between body mounts or go through a body mount hole, Or 4 spots 6x3x3/8" material to weld down lid, Or 2 of each.
- Chain and wire are also acceptable ways to secure the trunk lid.
- Trunk lids cannot be dished over 8", do not create a wedge with your trunk. Cut an 12x12" inspection hole in the lid for inspection.

- Hold down plates can be jack stand bases or 6x6x 3/8" flat plates to hold down the lid for threaded rods.
- Mopars (6 spots max) may use 2 3" x 5" x 1/4" plates per seam in addition to threaded rods.
- Tailgates can use up to 4 plates 6 x 3 x 1/4" plus 2 chains around the bumper. ( 6 Spots max)

## Hump Plates

- **1977 and newer GM vehicles only** may have hump plates
- 24"x3"x 1/4" max straight or contoured to frame
- Must be centered in hump

## Rust Repair

- 4 total 5x5 x 1/4" plates per car on pre-run cars with frame damage only.
- You may repair the area by using a 5x5x1/4" fix it plate.
- Plate may be contoured or bent around the frame but used on the frame only, not body.
- Plates must have a 1" gap between them including weld if used next to each other.
- Rust repair is legal to fix rusted floors, roofs, frames etc. Tin repair take a pic of spot prior, leave rust, replace with exact thickness tin with maximum 1/2" overlap.
- Frame repair, take a pic of area, use exact same thickness steel, must be butt welded or 1/4" overlap at most. **This is strictly enforced.**

## 9 Wire

- May have 9 wire from window opening to body mount or around frame.
- Window opening only on top (Ex. **NOT** to cage, halo bar, rear window bar or number sign.)
- Must go through the window opening and must be tied to the body mount or within 8" of the body mount in front of humps if wrapping around the frame.
- 3 loops max

## Miscellaneous

- Any drive shaft including sliding shafts are legal. No bent shafts will run.
- Body shaping/creasing is legal.
- No creating a wedge effect, or narrowing of the car. No doubling over of tin.
- Speaker decks must remain in stock position but can follow trunk dish rules.
- Roof signs must not reinforce cars. Cannot attach to rear window bar.