

Shawano County Fair

# Compact/Midsize Cars Mini Truck/Mini Van Rules

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*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

## Compact

- Any 2 or 4 door sedan, coupe or station wagon.
- **4 cylinder only**
- Can be rear wheel drive, no AMC products.
- Max 104.1" wheelbase max.
- Carb conversions are allowed but the engine must be make for make with car.

## Midsize

- Any 2 or 4 door sedan, coupe or stationwagon.
- 4 or 6 cylinder. **NO V8's.**
- Can be rear wheel drive.
- Max wheelbase 112"
- Carb conversions allowed but engine must be same make as car.

## Mini Truck/ Mini Vans

- 4 or 6 cylinders allowed.
- 8 cylinders allowed but must be stock with no modifications.
- V8's must be stock EFI, no carb conversions on V8's.

## General

- 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.

## 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

## Bumper

- Bumper shock tubes may be welded solid.
- Bumpers may be trimmed but not sharpened.
- Bumpers may be bolted or hardnosed but do not shorten frame past core support.
- May have 2 chains per bumper to assist holding to car, only 3 total links welded.
- Any 80's and newer automotive bumper, No truck bumpers, or can run 6" x 3" x 1/4" tube with no added point. No loading of bumper, has to fit the width of vehicle

## Radiator

- Factory radiators, or aftermarket aluminum radiators are legal.
- No auxiliary coolers. Water only, no antifreeze.
- You may use an expanded metal protector, or condenser in front of the radiator. Bolted in 4 spots to core support only. (3/8) Bolts
- Protector follows the dimension of the radiator. Cannot be used to reinforce anything, just protect the radiator.

## Fenders

- Fenders may be trimmed or removed but not reinforced in any way.
- 3 3/8" bolts with 1" washers to bolt outer and inner skin of the fender.

## Steering

- Steering must all be stock/oem parts
- Tie rods may be reinforced but must start as stock. (Ex: angle iron welded to stock tie rod)

## Suspension

- **Compact/Midsize:**
  - May not be blocked or altered.
  - Must has bounce.
  - No reinforcing of any suspension components.
  - MUST BE STOCK
- **Mini Truck/Mini Vans:**
  - Max height 26" to top of bumper. Minimum frame height is 16 inches.
  - No Homemade springs. Stock amount of factory springs for that vehicle.
  - You may lightly weld front suspension down to get more height no larger than 1 inch material ¼" thick vertical only. Spring spacers allowed.
  - Front upper and lower A arms must be stock like factory.

## Frame

- Frames must be stock. Absolutely no welding, bolting, pinning, screwing, painting, shaping of the frame, sharpening the corners of the frame, or square them off in anyway.
- **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/Trunk

- **Max 4 hold downs**
- You may have 4 points to hold down the hood and trunk. 1" threaded rod, chain, or wire may be used. Only front 2 hold downs may attach to frame. Another choice would be to use 3" angle iron. May be welded to the hood and trunk. 1 3/8" bolt to secure the angle together.
- 50% of trunk lid may be tucked or may stay in factory position.
- Trunk and tailgate hold downs must be sheet metal to sheet metal.
- Tailgates may have 4 chains or 4, 3"x5"x ¼" plates if welded.
- You may use a combination of choices as long as you are at 4 spots 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.
- No tucking, wedging, no dishing.

## Engine & Transmission

- Engine Swaps are **NOT** legal.
- Must be make to mak (Ex: Chevy-Chevy, Ford-Ford).
- **No protectors of any kind..**
- Transmissions must use factory cases, No transmission protectors, No mid-plates, unless over the counter style strictly to change bolt pattern.
- Carb conversions allowed on 4 or 6 cylinder vehicles only.

## Cage

- 4 point cage. Material not to exceed 4" 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 4, 4" max width down bars off door bars to sheet metal of floor.
- 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.
- 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 roof sheet metal.

## Window bars

- Firewall to roof vertically. 2 Max chain or flat/square material 3" max width. 1 horizontal bar may be used to connect to 2 vertical bars.
- Welded or bolted to roof with max 4" material on roof and firewall.
- NO rear window bars.

## 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

- **Mini Truck** may have 1/2" Max diameter body bolt. Body mounts may be replaced, No adding mounts over factory. 1/2" 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 chained/wired. Maximum 4 chains per door.
- The Driver's door is unlimited for welding or chaining.

## Wheels & Tires

- Minimum 13" wheels, maximum 16" wheels allowed.
- Wheels may have 7" centers only to change patterns.
- No homemade wheels, **must start as a factory wheel.**
- Valve stem protection and small center only modifications allowed.
- 21" minimum 30" maximum sized tires. Any ply. Doubled tires are ok.
- No foam filled or solid tires.

## Rearend

- Any OEM automotive rear end. **Max 5 Lugs.**
- Leaf spring vehicles may have 4 clamps per side, 7/16 bolts, 3/8 max thick, 3-inch-wide material. No homemade springs.

## Trailing Arms

- Trailing arms must remain stock. No reinforcing.

## 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" x1/4" plates per seam in addition to threaded rods.
- Tailgates can use up to 4 plates 6 x3 x 1/4" plus 2 chains around the bumper. ( 6 Spots max)

## Rust Repair

- Frame or body repairs due to rust can be repaired with the same thickness of material and must be butt welded.
- No fix it plates on frame, only rust repair.

## 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.