

# Full-size Truck Rules

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01 SEPTEMBER 2024 / 12:00 PM Start / 11:15 AM Inspection Closes

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

Question on rules call or text:

(715)-851-2120

## General

- Any year truck or full size van allowed.
- 4x4 trucks are allowed but must remove the front drive shaft.
- **No trucks over 1 ton**
- 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.
- ALL RULES MUST BE FOLLOWED OR YOU WILL NOT RUN
- ALL drivers must attend the drivers meeting.
- **You MUST run a roof sign.**
- Drivers or anyone occupying pits are not allowed to drink alcohol before they participate. If found with alcohol in system you will not run, no exceptions. ZERO TOLERANCE RULE!!!
- **THIS IS NOT A SET OF RULES BUT A SET OF GUIDELINES OF HOW TO BUILD YOUR CAR. IF IT DOESN'T SAY YOU SPECIFICALLY CAN DO SOMETHING THEN YOU CAN'T! ASK FIRST!!!**

## Bumper

- Max height is 28" from ground to bottom of bumper
- You may run up to 6"x3"x 3/8" tube or pipe for a bumper.
- Straight contour must be hollow.
- Any year automotive factory bumper is also allowed, may be seam welded but that is all.
- **No loaded bumpers of any kind.**
- Bumpers may be welded, bolted or chained to the vehicle following bumper bracket rule.

## Rear Bumper

- 19" Minimum Height bottom of bumper or frame
- Any automotive factory bumper may be used on rear of vehicles. Aftermarket steel tubes 3" x 6" x 3/8" maximum with **no added points** may be used.
- Factory bumper brackets welded up to 6" forward of rear of the frame.
- Bumper shocks/material may attach to frame using max 6"
- 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 tubed bumper shock or choice of using a plate 6" x 4" x 3/8" can be used. 1 side of frame only, cannot wrap frame.
- All brackets cannot extend any further than 6" back from back of bumper, **NO FURTHER!**

## 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.
- May be held in with stock mounts, 2 metal straps max 2" width or 2 ratchet straps.
- Max 2 radiator hold downs.
- 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
- 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)
- Tie rods may be reinforced but must have OEM or equivalent ends.
- Aftermarket Tie Rods allowed but must have OEM or equivalent ends and be within reason on size.
- Aftermarket steering columns allowed.

## Suspension

- Max height 28" to bottom of bumper and minimum 19" to bottom of bumper of frame.
- Stock springs, you may clamp springs, 6 per side. Clamp size, 7/16 bolts, 3/8 max thick, 3-inch-wide material. No homemade springs.
- NO LEAF CONVERSION ON 1989 AND NEWER GM OR FORD TRUCKS UNLESS THEY CAME FACTORY HOLES FOR LEAF PERCH MOUNTS.
- You may add a screw in component to run over the counter part numbered ball joints. **No aftermarket ball joints.**
- No aftermarket spindles.
- Stock suspension components must be present.
- May weld suspension for height only, do not strengthen anything.
- DO NOT GET CRAZY OR YOU WILL CUT!

## Frame

- Frames must be stock.
- Frame rails cannot stick out past the rear of the box before heat.
- **NO** tilting, tipping, cold bending, or pressuring.
- 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 6 points to hold down the hood. 1" threaded rod, chain, wire or angle may be used. Sheet metal to hood only. 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.
- Only front 2 hold bolts may connect to frame by going through front body mount hole.
- 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 truck, 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.**
- Stock crossmembers only.

## Cage

- 4 point cage. Material not to exceed 6" diameter tubing or pipe.
- Dash bar mounted above steering column, at least 6" above trans tunnel, (If running shifter bar off dash bar, must be 6" above tunnel)
- Door bars cannot exceed 60" long.
- Bars can be welded or bolted together and attached to sheet metal only.
- May have 4 down legs attached from cage straight down to rocker sheet metal only.
- 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.
- If running Gas tank protector mounted off the rear seat bar, No more than 30" wide, 18" tall. 6" Min. Off floor, any gussets off the rear seat bar must not reinforce rear doors, Protector cannot be mounted tight to sheet metal. No altering sheet metal.
- No connecting to roof sheet metal.
- **ALL CAGE MATERIAL MUST REMAIN IN CAB** with the exception of floating gas tank protector.
- If the gas tank is in the box of the truck must have a plate minimum ¼" thick bolted to frame rails (no wider than frame rails), This plate can only extend back 3' from cab max.

## Window bars

- Firewall to roof vertically. Max 2 chain or flat/square material 3" max width. 1 horizontal bar may be used to connect to 2 vertical bars.
- No more than 4" of material on the roof or firewall.
- This is not for strength, just safety purposes.

## 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

- $\frac{3}{4}$ " Max diameter body bolt
- Body mounts may be replaced, and can add 4 mounts to box and 2 in the cab.
- Added mounts must be welded vertically on frame max 4" on frame.
- Cannot extend through the bottom of frame
- The body mount can go through sheet metal with 6" 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  $\frac{1}{4}$ " 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 allowed.
- Wheels may have 7" centers to change patterns.
- No homemade wheels, **must start as a factory wheel.**
- Bead protectors and lug nut protectors are ok.
- 23" minimum 33" 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 with simple back brace only.
- No aftermarket oversized rear end designs will be allowed. You may use 2 chains to assist in holding in rear end. 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.
- No leaf conversions.
- Pinion brakes are allowed as long as it does not strengthen the frame.

## Trunk/Tailgates

- May be welded 5" on 5" off, or chained or wired.
- 3" material, 1/4" max material to sheet metal only.
- Tailgate may be lowered no more than 8".
- Can only attach to box or sheet metal.
- Tailgate CANNOT be tied to frame or bumper.
- Chain and wire are also acceptable ways to secure the tailgate..
- Bed sides and tailgates MUST REMAIN VERTICAL
- Box must remain upright/vertical and in stock location, no tucking, shortening, or other manipulation to the box is allowed!
- All boxes that tucked themselves in during a previous event need to be straightened out in a respectable manner if they want to run the event.
- 12" of material per side may be used to tie box to cab, 3 sides max, 3" by 1/8" material max or 4 bolts from cab to box max 3/4" bolts, 6" washers max.

## Rust Repair/Fix it Plates

- Repair plates 3"x12"x 1/4" max per frame rail. Can be split up but only a total of 12" per rail.
- Pre-run cars with frame damage only.
- No plates on fresh trucks.
- Must be clearly bent, not just stress marks.

- Plate may be contoured or bent around the frame but used on the frame only, not body.
- 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  $\frac{1}{2}$ " overlap.
- Rust repair on frame, take a pic of area, use exact same thickness steel, must be butt welded or  $\frac{1}{4}$ " overlap at most. **This is strictly enforced.**

## Miscellaneous

- Any drive shaft including sliding shafts are legal. No bent shafts will run.
- No creating a wedge effect, or narrowing of the box. No doubling over of tin.
- Roof signs must not reinforce cars. Cannot attach to rear window bar.