



## LIMITED WELD RULES 2024

1. Refer to general rules for non-building rules
2. You may use the following:
  - Lower cradles with a pulley protector, distributor clamps, slider drive shafts, aftermarket shifters, aftermarket axle shafts, headers, pinion brakes, any wheel and tire. Electronic fuel systems with clear ON/OFF switch.
  - Carb protector, braced rear axle, aftermarket brake and gas pedal, battery box, and transmission coolers. Aftermarket/ homemade bells or tranny braces may not reinforce structure of vehicle. Rule below states how they can be used!
3. You may not have the following.
  - No distributor protectors , mid-plates, steel tail shaft housings
  - Fwd's may not use full cradles.
4. '03 and newer Ford, Lincoln, Mercury must use factory aluminum cross member.

### **BASIC**

Remove all trailer hitches and hitch mounts, glass, chrome, plastic molding, A/C coolant, antifreeze, and flammable material from inside and outside of the vehicle. Dash may be left in. Stock gas tank must be removed. Gas tank must be mounted securely in the rear seat area.

### **DRIVETRAIN**

Any engine or transmission may be used. Must remain in factory position.

Engine must be bolted in with engine mounts. Mounts may be welded to engine cross-member, After market engine mounts allowed. May weld 4 links of 3/8" chain that may go to frame in max of 4 locations.

Radi-barrels may be used, must have 1" gap to frame each side. May only connect to the top and bottom of core support using (4) 3/8" bolts. May not be connected to core support threaded rods or frame in any way.

All protectors used may not interfere with the bending on the vehicle. Carb protectors cannot bolt to hood or touch cowl/firewall.

You may use 2"x2"x1/4" tube to replace transmission cross-member. Cross-member may be welded or bolted into place. May use 2"x2"x6" angle iron to mount on each end of tube. Nothing but the transmission mount may connect to transmission cross-member.

May swap rear axle, may be braced cannot strengthen vehicle.

You may run an aftermarket bell housing and transmission may be braced.

**Or**

You may use a trans brace that bolts to bell housing bolts and the tail shaft housing bolts. May only go over the top of the transmission, brace cannot contact cage or floor.

Rule questions contact Brad Ross 507.481.7129

All other inquiries contact Steve Heitman 612.741.5941 or [jodiheitman@yahoo.com](mailto:jodiheitman@yahoo.com)

**2003 and newer Ford, Lincoln, Mercury** To mount your engine you may use a maximum of 6"x6"x12"x1/4" piece of angle iron. This angle iron cannot be welded, and must be bolted in to the top two a-arm mounts.

You can weld steel off of these to build a pad for an engine mount to be welded to.

You may not connect these mounts with each other, must remain separate.

## **SAFETY CAGE**

Cages are mandatory. Cages must remain inside of vehicle except for halo bar. Door bars and cross bars may connect. You may have 4 down tubes off cage to the frame. Must remain inside drivers' compartment. Halo bar may also be connected to frame.

Door bars can go no further forward than the front inside door seam. They can go no further rearward than the most forward part of the rear wheel wells.

Cage must remain 6" off the floor, dash bar must remain 6" from fire wall.

You are allowed a rear gas tank bar.

If you use a gas tank protector, no wider than 32" may only connect to seat bar

## **BODY**

Hood must have a 12"x12" hole to easily extinguish engine fires.

Hoods may be fastened down in 6 locations with wire, chains, or threaded rod 1" max.

If using threading rod, you're allowed 6"x1/4" max washers. Threaded rod must remain vertical.

Rwd vehicles are allowed two hood bolts to the frame at the core support.

Fwd are allowed 4 hood bolts to the frame.

You may replace a hood bolt location with (2) 2"x2"x6"x1/4" pieces of angle iron. Bolted together with (2) 3/8" bolts. Hood hinges do not count as hood bolt location.

Max of 4" gap from frame to core support.

You are allowed two windshield bars max of 3"x3/8" bars may not connect in any way. They may be welded on to the roof and cowl 6". Your 6" 's starts at the windshield opening.

You are allowed one rear window bar 2"x2"x1x4" tube max. It may be welded on the roof and trunk 6" max. Your 6" 's starts at the rear window opening.

Fender wells may be trimmed for clearance, each wheel well may be bolted to fender with (5) 3/8" bolts with max of 2" washers.

Doors may be welded solid. If you choose not to weld doors shut, you are allowed to use chain or wire in 8 locations max.

In 4 locations, you may run 7/16" chain or 3 strands of 9 wire, must be ran vertical only. From roof down around frame, may not connect to cage in any way. They must stay in-between fire wall and package tray on the inside of the car.

Trunks may be welded 5" on 5" off with 2"x1/4" material. You may have (2) 1" threaded rods that may be used to bolt your trunk lid down. Rods must remain vertical, they may be welded to frame. 6"x6"x1/4" washers max may be used with threaded rod

If you choose to use chain or wire, max of 3/8" chain, in a max of 8 locations, (2) may go to frame.

Tailgates may be welded 5' on 5" off, outside of body only. Tailgate may not be removed, must remain vertical.

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Body shaping allowed.

Body mounts may be changed to 5/8" bolt's, must remain in factory locations. You must retain a 1" gap in between frame and body, 3"x1/4" washer's max. Body bolts may not be welded , no pinning of frame, washers may not connect.

No floor plates, peddles may only bolt to tin may not tie in to frame or cage.

Battery boxes, must be in the front passenger side floor board. Battery box must be secured to sheet metal only. Your battery should be secured in your battery box securely and covered with nonflammable material.

## **FRAME**

No plating, loading, pinning, or filling of frames.

You may weld the top frame seam A-arms forward. No other seam welding allowed.

Peening on the humps is allowed, 1 foot wide centered over the rear axle. No other frame shaping is allowed.

Tilting or cold bending is allowed, one location per rail, single pass of weld.

You may chain or wire humps together with (1) 3/8" chain or 4 strands of 9 wire, in one location.

You may notch and pre-bend rear frame rails.

You may shorten front frame rails to the core support, core support must remain unaltered in stock location. Spacers at the core support not to exceed 4" long.

Any OEM bumper may be used, from any year car. Bumpers may be welded and loaded, no altering or adding of points to factory bumpers. Replica bumpers are allowed must follow factory dimensions, please call for clarification.

Or

You may use a 6"x6" by width of vehicle piece of material max, may be stuffed, may cap ends of bumper. Homemade points allowed not to exceed 8" in 30# of spread.

Bumpers may be hard nosed to frame.

Any bumper bracket or shock or 3/8"x4"x14" plate may be used to mount bumper. You may have only one shock, bracket, or plate per rail. Bumper shocks, brackets, or plate may only be 12" back from bumper.

You may have 22" hump plates. Must follow contour of frame within 1". 3/8" max thickness.

'03 and Newer Ford, Mercury, Lincoln may have 14" bumper brackets but can not run rear hump plates.

FWD cars must have a 1" inspection hole in bumper bracket, that allows viewing into the frame for scope.

No adding of crossmembers unless specified.

## **SUSPENSION**

May run aftermarket steering column, may add u-joints.

May swap steering boxes as long as they bolt in. Aftermarket tie-rods or braced tie rods allowed, after market ball-joints allowed, all other steering must remain OEM to car.

No modification to spindles or hubs.

No welding of sway bar. Must be bolted in.

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Front suspension may be welded or bolted. If bolting you're allowed one 3/4" bolt through upper A-arm to frame.

If welding your suspension, you must use a maximum of one 3"x3"x1/4" piece of angle iron or equivalent material, on lower a- arm up to the bottom of the frame. Must be ran vertical from lower a-arm to frame. No welding of upper arm if using this method.

Or

You may use (2) 2"x4"x1/4" straps to weld down a-arm, 2 per upper A-arm.

Upper A-arms may be changed as long as they bolt in, without altering mounts.

Rear control arms may be homemade.

Coil springs may be interchanged or doubled.

You may run 1 chain per side, around rear end and up to package tray.

You are allowed 6 leaf clamps per leaf pack. No flat stacks, or added leaves.

No leafing of no leafed vehicles. Watts link conversions allowed as long as they bolt in on top.

Lowers may be welded in, 4" max of total weld per side. Lower mounts may not strengthen vehicle.

Stock shocks only, no stuffing shocks, or homemade shocks.

Minimum bumper height of 16" to bottom of bumper. Max of 28" to the top of the bumper.

## **REPAIR**

You may use (6) 6"x6"x1/4" plates to fix bends. Plates may only be on one side of frame. Plates may not be doubled or over lapped, may not box c-channel frames. Plates must have a 1" gap between welds minimum.

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