



## LIMITED WELD FULL SIZE TRUCK RULES 2023

1/2 –3/4 ton pickup, extended, crew cabs, suburban's are allowed. No 1 tons. Frame must remain stock and not shortened or altered in any way. No welding other than specified, No adding extra braces in frame or cross member.

**HOOD** may be chained with 3/8 chain, wires, OR may be bolted in 8 separate locations. You will be allowed (2) 1" max rods welded to frame used for hood pins at core support. You may substitute rods with 2"x2"x1/4" tube. Other 6 locations up to 1" max hood pins, wires, chains, or 5" long angle iron welded to inner fender with pins welded on. Must go from sheet metal to sheet metal only. Hood washers no larger than 5" x 5" x 1/4" thick. Hood pins must be straight up and down, 1-foot max length. You may use (4) 3/8" bolts for each hole to bolt hood skins together by hood openings around stacks. 2 chains or wires may go from core support to bumper. Must have (2) window bars no larger than 3" diameter OR (2) # 9 wires in windshield opening to prevent hood from entering drivers compartment for drivers' safety. Radiator protector allowed. 1/4" max thickness. 1" larger than Radiator hole in core support or no larger than 3" on all sides of the radiator.

**DOORS** may be welded solid. Driver door and adjacent passenger door may be plated or skinned. Plate may only go past door seams by 3" and no thicker than 1/4".

**TAILGATE** cannot be removed and must be in upright position. Tailgate may be welded solid. You may add 6" of strap to weld box/tailgate to bumper/frame. No wider than the bumper 1/4" max thickness. Suburban and SUV back doors use tailgate rules to secure.

**BUMPERS** Any automotive front bumper may be used. Welded or remanufactured. You may shorten front frame rails to the core support, core support must remain unaltered in stock location. Rear bumper may not have a larger than 3" point. IF you choose to make a bumper you can use a flat 6" tube max of 1/2" thick. Front bumper may have any bumper bracket, shock, or 3/8"x4"x12" plate may be used to mount front bumper. You may have one of the three per rail. Bumper shocks, brackets, or plate may only be welded 12" back from bumper. Rear bumper may only be welded 2" back of bumper. Bumper height to top of bumper is a minimum 22" and max 28". No open frame rails.

**SUSPENSION** Stock leaf springs, No adding leaf's to leaf pack. You may have (6) leaf clamps per leaf pack total. Factory leaf spring perches may be welded and bolted to keep from tearing off of frame. May add (2) 3/8 chain per axle to frame, or may have (2) 2"x2" square tube per axle to frame to maintain ride height. This tube must be ran vertical. Stock front suspension components to vehicle no cross breeding. For straight axle may tube front axle in place of factory pumpkin. Front axle must have factory C and no homemade ball joint. A non-leaf spring truck or SUV with A arms may weld (4) 2"x4"x1/4" plate to weld A arms down. 2 per side. You may also add front and rear leaf springs with factory brackets. No homemade brackets. Must be a factory 1/2- 3/4 ton leaf spring from an American made vehicle.

**ENGINE/TRANSMISSIONS** May crossbreed engines and transmissions. Older trucks frames without engine crossmember this is your allowance: You are allowed to build a crossmember out of

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2"x6"x1/4" tube 6" long welded or bolted in the C channel part of the frame. From there you can weld the 2"x6"x1/4" tube straight across those pieces. This crossmember must be directly above the front axle of the truck, absolutely no gussets or extra bracing from crossmember to frame. Must only contact engine/cradle at mounting bolts only. Outside of motor mount bolts, Crossmember cannot be used as a brace or support for lower engine cradle or any other part of the drive train or suspension.

Do not use firewall as a brace. May have 2 chains or wires to frame to hold motor in place. May weld motor mounts in same size of factory mount. Engine must be bolted to mount with 2 bolts not welded. Transmission coolers allowed if deemed safe. Do not use rubber unbraided transmission lines. Transmissions may be chained or wired to crossmember. Block saver lower engine cradles allowed, without pulley protection. You may run an aftermarket bell-housing OR a transmission brace, not both. A transmission brace that bolts to the bell housing bolts, and the tail shaft housing bolts with material going over the top of the transmission. Brace and the bell may not be connected or pressured to cage or floor. Distributor protectors, steel tail shafts, mid-plates will not be allowed. Any driveshaft may be used. Sliders allowed. radi-barrels allowed. Must be in factory location or loop hoses.

**BODY BOLTS** Trucks may have 8 locations of chains, bolts or u-bolts to secure box to frame – cab (8) and (2) core support. Suburban and SUV's may only use (16) total throughout cabin compartment and (2) at core support. 1" diameter max size bolts with plate size no larger than 1/4" thick and 8" square. Bolts may be bolted through top of frame like factory or may weld to outside of frame. Do not pin frame. Bolts must be ran vertical.

**BOX** may be welded solid to cab. Roll over bar strongly recommended. If mounted in front of box, must remain 5" gap minimum away from top of cab. Must stay vertical not angled. Use (4) 1" bolts welded to outside of frame to secure rollover bar. no wider than frame on uprights. No wider than cab on top. May have kickers 2' back from uprights to support and 1 crossbar across bottom of kickers to protect gas tank. Roll over bar cannot attach to interior cage components. Box may be bolted to cab in 4 locations 1" bolt 5' x 5' plates. You will be allowed 1 location of your choice to wire box side location of choice. Cannot go to or around frame (4 strands of wire max, no chains). No folding box sides over to create a wedge. May bolt fenders with (6) 3/8" bolts to bolt fenders together 2" washers max. Threads must point inward. Outside fender creasing is allowed.

**CAGE MANDATORY** Floor plates allowed 1/4" Max thickness. You Must run a bar behind seat (no further back than 10" behind seat This also is the rule for your floor plate. This includes extended cabs, crew cabs, SUVs, and suburban's. SUVs, and suburban's may add a floating gas tank protector off of seat bar, 24"x24". This protector must remain 4" away from all sheet metal. No Kickers to frame. All cage components must stay above floor, behind firewall, and cannot pass through back of cab.

**BATTERY/GAS TANK** Two batteries max allowed on passenger floor, properly mounted and covered. No bungee straps. Gas tank must be removed and relocated in front of box. May use electric fuel pumps if well labeled. (Fuel Shut Off)

**FRAME** Seam welding allowed. 1/4" max width on bead. (One pass). You may use no more than (10) 6" x 6" x 1/4" plates per truck. All need 1" gap between welds. No overlapping or doubling of plates.

**MISCELLANEOUS** Stock steering components may be altered from steering box to steering wheel. Tie rods may be reinforced in center. Shifter may be altered. Ignition and starter wires may be altered.

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This is a budget build class. If rules don't say you can't do it, don't assume you can. Must remain stock other than stated in rules.

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