

2017 KDDA Truck Limited Weld Rules

Body

- (a) Any North American made full size ½ ton or ¾ ton Pick up or suburban eligible to run.
- (b) FOUR WHEEL DRIVES are allowed. Must remove front driveline.

Section 1 Truck Preparation

- (a) All glass, including windshield, must be removed.
- (b) Flammable materials inside the Truck must be removed. These include the carpet, and interior trim including Side and roof liners. Truck Beds must be free from any debris. The inside of the doors must be clear of all glass and debris.
- (c) All light covers/bulbs, side Mirrors, hubcaps, grills, side chrome, plastic, door handles and pot metal must be removed.
- (d) All trailer hitches, related brackets, reinforcements and hardware will be completely removed.

Section 2 Fuel Systems

- (a) A limited capacity (of 6 gal. or less) metal tank is required as a replacement gas tank. It must be mounted to cross brace in front of bed. The tank must be located at least 12" from the inner sides of the bed panels.
The stock tank must be completely removed.
- (b) Gas lines and fittings must be leak proof. No exceptions. Rubber fuel lines located inside The passenger compartment must run through a second larger hose such as a garden hose to prevent accidental spillage on the driver in case of a leak. A hole must be made in the floor board for fuel runoff.
- (c) Electric fuel pumps are optional.
- (d) Pump gas only

Section 3 Batteries

- (a) Batteries must be re-located inside the cab. Your battery box must be of metal Construction full enclosed, and securely fastened to the floor. The lid must be securely fastened shut using 5/16" bolts or 2" straps. (I.e. seat belts). NO RATCHET STRAPS OR BUNGEE CORDS OF ANY TYPE
- (b) Switches or wires used for powering off the Truck must be within reach of the driver while harnessed in. There will be no acceptable excuse for not being able to turn off your car in an emergency situation.

Section 4 Safety Bracing

- (a) A front cross brace must be installed above the steering column from window post to window post (in the former position of the dashboard). The brace must be made of a minimum 2" pipe or square tubing with 3/16" wall thickness and be securely fastened into position. If a 2

piece pipe is used, it must be securely fastened so that it cannot collapse. (Welded or minimum 3/4" bolt) May not connect to frame in any way.

(b) A rear cross brace must be installed behind driver's seat, If the truck is a single cab it must be positioned in the bed as close as possible to the cab. Must be made of a minimum min 3/16", 3" pipe or square tubing, with plates welded on the ends. The cross brace must have bolts extending through the side irons and must also be connected to frame with minimum size bolt of 3/4", no larger than 1" the all thread can be welded to side of frame.

(c) All Trucks must have 2 upright (vertical) posts. One upright must be located directly behind the driver's seat. The upright must be made of a minimum 2" pipe or square tubing with a minimum 4"x4" plate welded to the top. The upright will extend from the roof to the cross bar or to the floor and be located as close to the seat as possible. It must be attached with minimum of two 3/8" bolts on each end. .

(d) Can have two bars minimum size 2" pipe or square tubing max 3" from top of upright to a second rear cross brace to act as a tank protector. The second cross brace cannot be farther than 24" from back of cab it can be fastened the same as front cross brace. Down bars cannot be attached directly to frame.

(e) Both front doors must be reinforced with a minimum 8" wide, 3/16" thick channel iron. The side iron may not be more than 6' in length and must begin ahead of the front door seam and be no more than 6" in front of the front door seam.

The iron must be bolted with a minimum of three (3) bolts (3/4" min) that extend through the inner panels. Backing plates (washers) must be used and must be a min of 6"x6"x3/16" thick on both front and rear ends of the door bars. The ends of the side irons must be cut at a 45 degree angle.

(f) Cab and bed on trucks must be bolted together in 2 spots with min 3/4", max 1" bolts with 4"x4" plates.

Section 5 Seat and Seat Belts

(a) A 2" minimum flat washer where it is mounted through the sheet metal.

(b) Seat can be OEM stock of any make/model car. Put a headrest on upright behind the seat if seat was not equipped with a headrest. (Mandatory)

(c) No fiberglass/plastic racing style seats

Section 6 Building, Welding & Securing

THERE WILL BE NO OTHER WELDING OTHER THAN WHAT IS STATED BELOW.
IF YOU HAVE A QUESTION ABOUT WELDING, PLEASE CALL THE HEAD TECH OFFICIAL!! IF WELDING IS FOUND ON THE FRAME OR SHEET METAL THAT IS NOT SPECIFIED BELOW, YOU WILL BE ASKED TO CUT OR LEAVE!

(a) Doors may be fully welded. You may use filler no larger than 1/8"x2" flat bar or 3/8" rebar. If bolting the doors shut, you may use up to 4, 1/2" bolts per door. If chaining the doors shut; you may use 2 chains, no larger than 3/8" per door.

(b) Hoods can be bolted in a maximum of 6 places other than stock. Bolt size must be a minimum of 5/8" and a maximum of 1". must be bolts or all thread no pipe Only 2 bolts, in an area on either side of the radiator can extend through the frame.

Can be welded to side of frame MAX plate size is 6" x 6". Bolts must not exceed 4" above the vehicle surface. HOODS MUST BE OPEN FOR TECH!! NO EXCEPTIONS

Chains must be a minimum 3/8" & maximum of 1/2" welded type. A bolt no smaller than 3/8" & maximum of 1/2", with washers, must connect the chains.

(c) Tailgates may be welded solid with 1/8"x2" flat bar or 3/8" rebar, or 4 wraps of min 3/8", max 1/2" chain. May use a 6"x6" x 1/4" angle to attach tailgate to rear of frame, one on each side where frame rail meets bed no wider than 6", max bolt size 1"max. There must be one bolt going down through bed floor to frame and one through the other side of angle to tailgate.

(d) Stock Style Bumper or 4"x4" x 3/16" box tubing may be welded on the front only, not to extend past the outer most edge of the truck. Box tubing bumper must have open ends and cannot have anything inside. Attachment of any bumper may not be done in any way to stop the frame from bending

No Spikes or protruding items.

No rear truck bumpers mounted on front. If any questions....call tech.

(e) Rear bumpers if used must have factory brackets and hardware no welding.

(f) You may add 4 extra bed bolts max size 1" with 4" plate can be welded to side of frame

(g) No welding to the frame unless listed above!

(h) No Full wedged/knifed/ramped truck beds allowed. The rear most section of the bed may be folded in and down as long as it doesn't extend any further forward than 24" from the back of the factory bumper location.

Section 7 Window / Window Screen

(a) A protective screen of 1/2" wire mesh or smaller MUST be installed in front of the driver. A truck with a sunroof is allowed as long as the opening is securely covered with sheet metal and deemed safe by tech officials.

(b) One "strap"(max 2) 3/16" thick x 21/2" wide flat bar or chain down the center of the windshield from top to bottom. Window bar(s) must be bolted with a minimum of 5/16" and maximum of 1/2" bolts. Window bars CANNOT be welded in place. No sheet metal screw allowed fastening window bars.

Section 8 Radiator

(a) No cooling system other than stock is permitted. Radiators and/or fans can be removed. Expansion tanks must remain in engine compartment as close to the stock location as possible. Radiator support or radiator attachment will be no stronger than stock. Tech decision is final.

(b) Transmission coolers other than stock, if used must be in an enclosed box inside the vehicle. Transmission coolers and all hoses must be leak proof. No Screw type clamps on any transmission hose connections inside the car.

(c) Transmission coolers may NOT be bolted to the frame in any fashion.

Section 9 Motor Mounts/ Suspension

(a) Motor swaps are allowed. New motor mounts cannot be longer than 8" on each frame rail, and may not go under or around the motor to connect the driver and passenger side frame rails.

- (b) Motor straps welded to the frame and bolted to the motor are allowed. Straps can be a max thickness of 3/8" flat bar and 2" wide only and are limited to 2 straps each side.
- (c) Lower engine cradle may be used as long as they are not reinforcing the frame.
- (d) Any rear end may be used as long as it's OEM. Gears may be welded.
- (e) Suspension must remain stock. Rear springs must be original and factory.

Section 10 Distributor Plates/Protectors

- (a) No distributor plates, mid plates, full engine protectors, or transmission braces aloud.
- (b) Aluminum and steel bells may be used, but only bolted to the engine in the stock locations. Extra motor mounts may in no way touch the bellhousing.

Section 11 Exhaust

Stacks must be a minimum of 18" from exhaust port.

Section 12 Carbs

You must have either an air cleaner or suitable flame arrestor. Two large holes, at least 6" in diameter, must be put in the hood for fire extinguisher access. Stack holes are acceptable for fire access holes. No alternative starting methods i.e. stating fluid etc....

Section 13 Brakes

Cars must have a minimum of two working hydraulic brakes.

Section 14 Tires/Wheels

- (a) NO DIGGERS! If a 3/8" bolt can fit inside the tread groove than they are too aggressive.
- (b) Up to 8" centers may be welded into wheels.
- (c) No shackles or reverse spring shackles will be allowed. No welded shackles.
- (d) No split rims

Section 15 repairing damaged trucks

(a)When repairing damaged trucks, you may use for two (2) 4"x4"x1/8" per frame section. They may not attach to each other in any fashion. Repairs pieces must have an inspection hole drilled in the center of plate. A frame section is one frame rail in front of or behind an OEM firewall. 2 plates RF frame, 2 plates RR frame, 2 plates LF frame and 2 plates LR frame. That's 8 total plates. You may not add any more than this. 2 PLATES MAX PER FRAME SECTION

Section 17 Misc. Can & Can't Do

- (a) You may cut firewall for distributor clearance. Maximum size inside of valve cover to inside of valve cover. You must cover with tin.
- (b) You may clamp leaf springs, 4 clamps per leaf with 2"x1/4" MAX. 2 3/8" bolts per clamp

(c) You may re-bolt wheel wells. You are allowed 5-3/8" bolts with 1" diameter washers per wheel well. You can re bolt hood skins with max of 16-3/8 bolts.

(d) Fire extinguishers are NOT mandatory, although highly recommended. If a fire Extinguisher is installed in the vehicle, it must be securely mounted and within drivers reach.

(e) You may chain the humps. You will be allowed 1 wrap of chain around each frame rail. It may go around the rear end 1 time and up through the body and around frame 1 time and be bolted together. Max 1/2" chain

(f) Aftermarket items such as gas pedals, brake pedals, shifters, universal joints in steering, and sliding driveshafts may be used.