

RICHLAND COUNTY FAIR DEMO DERBY RULES OLNEY, IL

Mini Truck RULES

(Adopted 6/13/2023)

WE HAVE THE RIGHT TO RE-INSPECT, CUT, OR DRILL ANY CAR AT ANY TIME. IF YOU ARE CAUGHT BREAKING THE RULES SET HERE FORTH YOU WILL FORFEIT ANY AND ALL WINNINGS AND OR PRIZES YOU ARE DUE. **JUDGES DECISIONS ARE FINAL.**

PRE RAN:

1. Re-stubbing at the transmission crossmember ONLY and may ONLY be butt welded with NO added metal. Four additional plates, 4" x 6" x ¼" thick. You can put them anywhere you want, (on the outside of the frame), 1 / 2 " gap between welds. You can stub with a factory leaf spring or coil spring stub. Mini's must use a compact truck stub.

ENGINES AND TRANSMISSION:

1. No gussets from engine cradle, bell, or transmission brace to the frame other than engine crossmember. Transmission crossmember can be no bigger than 2" x 2" x ¼" round or square. Transmission crossmember can be welded solid to rails or can have one piece of angle iron 2" x 6" x ¼" per rail. No gussets from crossmember to frame!
2. NO KICKERS AT ALL!!! Mini Trucks may only be four or six-cylinder engines!!!

RADIATOR:

1. No homemade radiators. Radiator protector can be wire mesh ¼" thick fastened with ⅜" bolts to core support in four places TOTAL and cannot be welded. You may run manufactured radiator guards such as Nir or Ski Inc.

HUMP PLATES:

1. You can have hump plates on a coil spring rear end. Plates can be 22" long 6" tall and ⅜" thick. Plates must be centered in the hump; however, they do not have to follow the contour of the hump but must be on the outboard side of the frame.

FRAMES:

1. WHAT IS NOT ALLOWED: NO FRAME SHAPING, NO PINNING FRAME, AND NO PAINTING FRAME!
2. WHAT IS ALLOWED: You can weld the top and bottom frame seams from the firewall forward. Pass may not be any larger than ½" wide. DO NOT reweld the upper or lower a-arm brackets when welding the frame seams. Frame may

be shortened but must be able to utilize the factory core support mount in the factory location. Crossmembers can be plated TOP side only, ⅜" max. Plates may not extend up on the frame rails. You can have 2, 4" x 6" x ¼" thick plates (on per frame rail) on a fresh truck. You cannot put leaf springs under a coil spring frame or coils under a leaf frame. Mini Trucks MUST BE on a MINI frame. Body and frame must be Ford on Ford, Chevy on Chevy, and so on.

3. You may pitch any year of car in 1 of 3 locations:
 - a. 1st Location: Crush boxes: cutting the 3 flaps, and rewelding only where flaps were cut with ½" wide pass max.
 - b. 2nd Location: Transmission crossmember: no added material or fillers to weld the gram together where pitched. 1 pass weld ½" wide.
 - c. 3rd Location: In front of the firewall: You can cut a "V" out of the bottom of the frame. Single bead to weld it back together. No added material to weld it together.

CAGE:

1. Door bars may extend from the firewall to the rear wheel well; they may be running inside the doors to allow more room in the driver's compartment. Door bars must remain a minimum of 1' off the floor of trucks! More than 1 door bar will be allowed per side. Only one of the door bars will be allowed to run in the rear wheel well. The second door bar will only be allowed no further than 6" past the rear seam of the front door. Dash bar may be no larger than 4" x 4" and must remain 4" away from the firewall. The rear spreader bar may be no larger than 4" and may not be any further than 6" behind the driver's seat. All cage components must be a minimum of 4" off the floor, EXCEPT down bars and side door bars. You will be allowed 4 down bars. Down bars may not be any larger than 2" x 6" x ¼" and must be welded to the door bars. The down bars must remain vertical and cannot extend higher than the door bar UNLESS being used as a rollover bar. These bars may be welded to the top side of the frame. They cannot cover any body mounts. You may plate the inside of the driver and passenger door with material NO thicker than ¼". No cage components may be welded to the frame except down bars mentioned above. The front two down bars cannot go past the firewall. Rollover bars must be attached to the 4-point cage, must be vertical and cannot be angled forward or backwards. Rollovers may also be bolted to roof with ⅝" bolts or smaller.

FUEL TANK:

1. Metal fuel tanks only! No plastic tanks! No exceptions! Your gas tank MUST be mounted inside the gas tank protector. If you are using an electric fuel pump you MUST have a lighted switch. NO exceptions! Fuel leaks of ANY kind will not be allowed or tolerated!!! Make sure your tank, tank fittings, and fuel lines are snug and secure. Absolutely NO ratchet straps to hold the tank down. Tank MUST be bolted or chained, or you will NOT participate!!!

FUEL TANK PROTECTOR:

1. The gas tank protector can be as wide as the inside of the bed and stop at the front of the wheel wells in the bed. It can be bolted or welded to the frame in two spots total.

BATTERY BOXES:

1. Two automotive batteries can be used but must be secured and covered inside the driver's compartment of the truck.

CORE SUPPORT:

1. Core support cannot be moved from the factory location. It must stay bolted to fenders in the same way it came from the factory. You may replace core support bolts with 5/16" bolts and washers but only using the number of bolts it had from the factory. Your core support spacers may be NO larger than 3" x 3" square tubing ¼" thick. Tubing may pass through the core support. It may run from the top side of the core support. 1" all thread may be used for the core support body mount and may be welded to the frame or back of the bumper.

A-ARMS:

1. You can use two straps of 2" x 6" x ¼" per A-Arm. Must go from the top A-Arm to the spring pocket ONLY! You cannot have kickers to the frame behind the A-Arms!

STEERING COMPONENTS:

1. You may use aftermarket spindles, ball joints, tie rods, drag link, and steering columns. Hydraulic steering is allowed.

LEAF SPRING FRONT END:

1. You can have a piece of 2" x 3" x ¼" thick tubing from the axle to the side of the frame and only a 2' weld on the front and back side of the tubing to the frame. (This is your A-Arm strap.)

REAR END:

1. Any rear end 8-lug may be used and can only be chained in two places. May have 2, (one per frame rail) no bigger than 2-½" x 2-½" box tubing or pipe. Frame to the rear end can be welded.

REAR SUSPENSION:

1. Factory leaf spring trucks & SUV's, the leaf springs must be stock and made of stock leaf spring material. You may only have a total of 9 leafs per side and no thicker than ¾" thick. You are allowed 6 clamps per side and only 4 of the clamps being homemade. Homemade clamps cannot exceed 2" x 2" x ¼". Factory coil spring trucks & SUV's, you can change springs to a stiffer spring to achieve desired height. Do not raise suspension in any other way. You can chain, bolt, or wire the coil springs to the rear end to prevent the spring from falling out. The control arms can be reinforced or

replaced with tubing no larger than 3" x 3" square tubing. Watts link conversion kits are allowed made with material no thicker than ¼".

2. NO HOMEMADE LEAF SPRING HANGERS! MUST BE FACTORY HANGERS! (THEY CAN BE WELDED TO THE FRAME.)

FRONT BUMPERS:

1. Front bumpers can be homemade. On a homemade "point" bumper the point may be no longer than 13" from the back of the bumper to the front of the point and no more than 8" tall. Point must be contoured from frame rails. The bumper height maximum is 29" to the top of the bumper.
 - a. FIRST OPTION FOR MOUNTING BUMPER: You may use the original shock tube. It may be welded to the frame. May only be welded 10"
 - b. SECOND OPTION FOR MOUNTING BUMPER: You can have a shock tube 10" long, 32" x 3" x ¼" thick from the bumper back welded to frame.

CABS:

1. May be bolted to the bed with two bolts per side and may also be welded to bed sides.
2. MUST HAVE A NUMBER PLATE ON TOP OF ROOF WITH NUMBER ON BOTH SIDES.

HOODS:

1. You can use 6 pieces of ¾" all thread to bolt the hood down. This does not include the All thread that runs through the core support. You may use no more than 20 bolts in the hood no bigger than ¾" diameter to hold sheet metal of the hood together.
2. HOODS MUST GO THROUGH INSPECTION WITH THE CAR AND MUST BE UNFASTENED AND READY TO INSPECT!

FENDERS:

1. You may use 10 bolts ¾" in diameter per wheel on front and back. No skinning or added support of any kind allowed.

DOORS:

1. Doors can be welded solid all the way around with no bigger than 4" x ¼" from sheet metal to sheet metal. Front doors may be plated inside and out. If the door is plated on the outside, door seam to door seam only ¼" thick. If the door is plated inside, it may go from the sidebar to sheet metal only and no wider than the door seams.
2. DRIVERS DOOR MUST BE WHITE NO EXCEPTIONS!!!

WINDOW BARS:

1. Front Window:
 - a. For safety, all cars must have 2 window bars extending from the roof to the firewall. The strap cannot be any larger than ¾" x 3" flat strap and must be at least 14" apart at the firewall. These

straps must not come in contact with the dash bar or rollover bar in any way. These straps cannot be connected in any way unless your firewall is cut out.

2. Rear Window:
 - a. Can have a mesh guard behind the drivers head.

BODY SHAPING:

1. You may only crease/shape front fenders and rear quarter panels.

BODY MOUNTS:

1. Maximum of 1" all thread/bolts are allowed for body mounts. Plates for the body mounts may be no larger than 4" x 4" x 1/4" plates. 1 extra body mount per rail is allowed inside of the driver's compartment of the car.

TAILGATE:

1. MUST BE STANDING UP! (LEAVE INSPECTION HOLE IN THE TAILGATE) You can add 6 all threads to the tailgate and bed to help hold it in place, 1" diameter all thread maximums. The washer can be no bigger than 4" x 4" x 1/4" thick (tailgate plates).

REAR BUMPERS:

1. Back bumpers can be homemade. No bigger than 6" x 6" square tubing, rectangle, or pipe. If you are using tubing for the bumper, it must be STRAIGHT WITH NO POINT!!! Rear bumper height minimum is 13" from the ground to the bottom of the frame or bumper. Will be measured from the closest point to the ground.
 - a. FIRST OPTION FOR MOUNTING BUMPER: You may use the original shock tube. It may be welded to the frame and the length of the shock tube.
 - b. SECOND OPTION FOR MOUNTING BUMPER: You can have a shock tube 10" long, 3" x 3" x 1/4" thick, from the bumper back, welded to the frame.

TIRES:

1. Any 19.5" tire or smaller may be used. No studs in tires. No wheel weights and no split rims AT ALL!!!

Either way you will NOT RECEIVE A REFUND!

If you have any questions, you can contact one of the superintendents listed below.

Austin Clow	618-354-8039
Kevin McCormick	618-839-5922
Justin Westall	618-919-1387

If you are found to be too built for these rules, you will be given 2 options.

- A. CUT OR REMOVE ILLEGAL PARTS.
- B. LOAD ON TRAILER AND GO HOME.