



SARATOGA SPEEDWAY TRUCK DERBY RULES 2023

(Jan 2023)

ENTRYS:

- Any year ½ ton or ¾ ton full size trucks, extra cab, suburban or full-size SUV allowed. , 4x4 will be allowed with factory ride height and front driveshaft removed.
- NOT PERMITTED: Duallys, vans, box trucks or panel vans/ trucks, fiberglass tops or convertible jimmy/blazer
- Can only run on pump gas, no propane, natural gas, diesel, or any other fuel type.

PREPPING:

- Remove all glass, plastics, lights, interior, chrome trim, hubcaps, trailer hitches (all parts attached to truck), gas tanks, spare tires.
- Flammable materials to be removed from interior as much as possible; dash may remain.
- All OEM seats to be removed.
- Aluminum race seat only; no plastic or fiberglass race seats

BAR AND CAGE:

1. Driver and passenger door bars minimum 8 inch wide and 3/16 inch thick. Door bars must span front and rearmost door posts by 6" minimum and not to continue into wheel wells; must stop at well edge.
2. Door bars must be a minimum of 6 inches above the floor.
3. Must be beveled at each end with no sharp or pointed edges.
4. Bolts holding bar on must go through inner and outer skins.
5. Minimum 6-inch steel plate washers and minimum 3/16 inches thick
6. Bolts cannot extrude beyond bars.
7. Minimum 4 – 1-inch bolts or ready rod; extra cab body: minimum 5 - 1-inch bolts or ready rod.
8. Crossbars are mandatory, 2 inch minimum to 6 inch maximum with HMS tube minimum 3/16 think.
10. 1 crossbar must be located in dash area above steering column (chain column to dash bar)
11. 1 crossbar goes behind seat or in box of truck touching front bulkhead of box and must connect to door bars and must stay in front of wheel wells, extended cabs the bar can be behind driver as close as possible to upright.
12. Upright post behind driver minimum 4 inch in diameter by 3/16 thick HMS tube.
13. Upright must be bolted from the floor to the roof with flanges on both ends using minimum 4-3/8" bolts at both ends with 2" washers bolted to body skins.
14. "Halo" design approved if no room for upright.
15. Nothing bolted to frame.
16. Passenger upright is optional.



17. Must have a minimum 4-point harness minimum 3 inch wide, lap belts bolted to floor with $\frac{3}{4}$ inch bolts and washers, shoulder belts must be bolted to back of upright below the height of your shoulders (DO NOT BOLT TO CAB)
 - 1.1 Helmet in good shape newer than Snell 2015 with eye protection shield or goggles.
 - 1.2 Must wear:
 - Fire-resistant full-body or two-piece race suit and gloves; SFI 3.2 A/5 rating (example: [Zamp ZR-30 Race Suit Black \(racedaysafety.com\)](http://racedaysafety.com))
 - Fire-resistant race gloves (driving shoes recommended)
18. No short sleeves.
19. All trucks must run a roof sign big enough to read the numbers (2 feet by 2 feet minimum)

FUEL TANKS:

- Converted propane tanks or professionally made derby tanks highly recommended.
- Steel boat tanks allowed but must be:
 - bolted on a 3/16-inch-thick plate using minimum 4 - $\frac{3}{8}$ inch bolts to stop twisting and then bolted in box floor only not in cab, or
- 5 gallons maximum
- Must be mounted properly positioned in middle of truck box behind driver as far forward as possible, extended cabs it can be in back seat area (professional derby tanks only no steel boat tanks allowed in cab), must be minimum 18 inch away from side skins.
- Must have drain hole under tank and/or in lowest point of under-tank floor to ensure fuel cannot pool.
- Tank must be bolted down with 4 - $\frac{3}{8}$ inch bolts or bigger and 2-inch washers on both ends.
- Vent hose must have 1 vertical loop and then serviced through the floor.
- If fuel lines are inside cab, they must be inside another rubber hose like garden hose or hydraulic hose, no metal lines allowed in cab.
- All fluid line connectors within cab must be double clamped.

BATTERY:

- Must be on passenger floor securely strapped down with rubber mat covering it or inside a wood or metal box with battery or batteries wrapped with rubber.
- Battery box must be bolted solid to floor with 4 - 3/8-inch bolts with 2-inch washers.
- Maximum 2 batteries

FRONT END AND UNDER HOOD:

- Hood must be bolted or chained down in minimum 2 spots and maximum 6 spots.
- Allowed 2 ready rods (1 inch max.) to the frame or front body mounts and max 4 inches above hood, cannot be mounted in front of rad support.
- Allowed to bolt or chain hood to body in 4 other spots with max washer or plate size 6 inch by 6 inch.
- Nothing between frame rails can be welded to side of frame and no crisscrossing.
- Need minimum 2 - 6-inch diameter holes in hood for fire extinguisher access.



- Rad must be in stock location.
- Transmission coolers allowed, must be mounted under hood on firewall.
- Firewall can be cut or hit back for distributor clearance, if a hole is made it must be covered with a rubber mat or tin to protect driver from hot fluids or fire.
- Exhaust stacks allowed through hood with a minimum length above hood of 18 inches, if exhaust goes under truck, it must be past the cab of the truck, mufflers may be cut off.
- Must have 2 windshield bars bolted in the middle from firewall to roof, minimum 3 inch wide by 3/16 inch thick, A - frame design is allowed, (2) 1 inch by 1 inch by 1/8 inch thick pipe allowed, (2) 3/8 inch chains with 2-inch plate washers allowed.

BUMPERS:

- Stock front bumpers only and mounted in stock location.
- Can be welded to frame horn but no extra material added.
- Can be chained with maximum 3/8 inch chain (2 chains with 1 wrap each).
- Ends can be trimmed or sliced and bent in and welded to the bumper with a max of 2 welds that are a max of 6 inches long per each end of bumper, no extra material added.
- Rear bumpers must be cut flush to the outside of the frame and beveled with no sharp or pointed edges.

BOX PREPARATION:

- All trucks must have a tailgate. All gates must be welded, chained or bolted shut, maximum material for welding is 2 inch flat bar by 1/4 inch rod
- Wheel wells can be bolted together maximum 8 spots with 3/8 bolts.
- Allowed to pin box in maximum 4 spots with maximum 1 inch diameter bolts or ready rod, they may be welded to frame, but no extra material added.
- Allowed to bolt box to cab with maximum 6 bolts.
- You may use 2-inch by 2-inch angle iron in 6 places in the box to connect the box sides to the floor, these angles may be bolted in 2 spots with a maximum 1/2 inch diameter bolt, angles may also be welded.

DRIVETRAIN:

- Motor and transmission must be in stock location.
- Swaps are allowed but must be mounted close to stock location.
- Motor mounts can be made but cannot strengthen frame in any way, transmission mount must remain stock, may chain down motor and transmission if wanted.
- Rear end must be in stock location, can be swapped but must be a stock rearend and axles, NO reinforcement to rear ends allowed, may lock gears (welded)
- Stock engine mounting hardware must be used.

EXTRAS:



- Body mounts can be changed with maximum 1 inch diameter bolt with maximum 6-inch washer.
- Any type of fuel pump allowed, if electric pump used you must have a shut off switch clearly marked with contrasting colors and mounted on dash bar to the right of the steering column within easy reach of driver when strapped in. (Highly recommended to be reachable from either side window by safety workers).
- Derby pedals allowed.
- Any transmission shifter allowed.
- Driveline brake allowed.
- Any drive shaft allowed.
- Allowed 2 extra leaf spring wraps with a total of 4 including factory ones.
- Any steering column allowed. All other steering and suspension components must stay stock.
- Any air rubber tire is allowed. Tire inside tire with tubes is ok.
- No rim reinforcement allowed.
- Valve stem protectors allowed.
- ½ ton trucks may run taller tires to match ¾ ton height. Max tire height 750/16
- Pre-run trucks: your allowed one 4 inch by 6 inch by 3/16 plate per each corner of truck. No more than 1 plate per frame rail. You may bend or shape plates to fit. All plates must be painted a bright color and declared to tech.

NOT ALLOWED RULES:

- NO engine cradle allowed.
- NO transmission protector allowed.
- NO distributor protection allowed. (Front mounted distributor can have a protection mounted around it)
- No trailer hitches, remove its frame and all components.
- No reinforcement to wheels, rad base, or frame except for what was stated in build rules.
- No welding to frame with exception of bumper brackets and threaded rod reinforcing to frame will not be tolerated. No seam welding of floor panels
- No lift kits allowed, 4x4 must be factory ride height.
- No antifreeze allowed.
- No other fuel other than any-octane pump gas
- No flipping of leaf springs
- No solid shocks: if shock is collapsed it must be replaced with another stock shock.
- Cannot pre-bolt or weld suspension, tie rods or ball joints.
- Not allowed split rims
- IF IT ISNT STATED IN THESE RULES DOESNT MEAN YOU CAN DO IT, PLEASE ASK FIRST