

# 2024 TNT Mini-Truck/Van/SUV Demolition Derby & Bump 'N' Run Rules

These rules apply to Mini-Truck/Van/SUV Demolition Derby & Bump 'N' Runs. Only RWD Vans will be allowed in the Bump 'N' Run events, no FWD vans will be allowed.

## General Preparation

- Mini Truck/Vans/ SUVs may be rear-wheel-drive (RWD) OR front-wheel-drive (FWD), not both. If vehicle is four-wheel-drive (4WD), either the front or rear driveshaft must be removed to make the vehicle two-wheel-drive (2WD) only. **(Bump 'N' Run vehicles may be RWD only!).**
- All interior plastic, upholstery, trim panels, etc must be removed. Nothing to remain in the bottom of the doors or trunk. This includes all carpet material. No broken glass inside of doors or other loose material anywhere inside the vehicle.
- Front dash can remain in the vehicle or be removed. Any dash components or molding that can become loose must be removed. **(Example:** Radio, heater control, dash bezel, etc.)
- All outer hardware must be removed. **(Example:** All glass, door handles, mirrors, chrome, molding, fiberglass, etc.)
- All flammable material must be removed.
- ALL airbags must be completely removed. Unplugging/cutting airbag wires only not allowed!
- The ECM/PCM can be relocated and secured. Securing engine computer may not strengthen vehicle in any fashion. Spray foam is okay to secure.
- All seats except the driver's seat and the passenger seat must be removed from the vehicle. This includes all fold-down seats. Rear seats must be completely removed from the vehicle. Area where seats were removed must also be empty and clear of material.

## Body Preparation

- Hood sheet metal must remain over top of fans, if hood is removed, fan(s) must also be removed. Hood must have a 12" x 12" hole cut for inspection and safety.
- Hoods will be opened for inspection. Do not secure hood until after you pass inspection!
- 3/4" maximum threaded rod may be used to replace front body/core support mounts, threaded rod may extend up through the hood with 4" washers maximum. These threaded rod will count as (2) of the hood securing locations.
- Hoods may be secured down in (6) locations maximum using #9 wire, seat belt, or 3/8" maximum chain.
- Driver's door may be welded solid. All other doors may be secured shut using #9 wire, seat belt, or 3/8" maximum chain in (6) locations each.
- 3/4" maximum size, store-bought washers may be welded to sheet metal for #9 wire purposes in all locations.
- Truck beds may add an additional (2) mounting bolts. If body mounts are changed, washer size may not exceed 3" maximum. Bed sides cannot be folded down more than half way towards the bed floor. 3/4" maximum size on all body/bed bolt replacements.
- Truck cabs may be welded/bolted to the bed using (1) strap on each side using 6" x 1/4" maximum material, these may no longer than height of bed. Straps may not be attached to frame.
- Tailgates may be secured in (6) locations maximum using #9 wire, seat belt, 3/8" chain, 3/4" bolts with 4" maximum washers, or welded to the bed. 4" x 4" 1/4" material maximum if welded. Weld locations must have a 4" space between.
- Tailgates may be dropped and welded to quarter panels. You may weld 4" x 4" x 3/8" maximum angle iron from outside of rear frame rail to outside of rear frame rail. This is used to secure the tailgate between the rear frame rails. If you are using angle iron in this position for tailgate mounting, this counts as your rear bumper!
- Truck bed and/or cab can be changed as long as there is 1" space between the bed and cab. No major frame or body modification allowed to do this!
- No flat or dump beds! Absolutely no added or additional reinforcing of any kind can be done to the bed area.
- Sunroofs must be covered, no exceptions.

## Suspension & Steering

- Suspension must be stock unless otherwise noted. Leaf springs must be staggered and OEM in nature for that make/model of vehicle. (1) clamp in front of axle and (1) clamp behind axle on leaf spring packs. Clamps may be single wrap of #9 wire or OEM style leaf spring clamp.
- No welding of leaf springs or on any suspension parts. Front suspension cannot be changed to leaf springs.
- Coil springs may be wired or clamped in place. Twist in coil spring spacers are allowed.
- All vehicles must have suspension bounce. Officials will make final decision as needed.
- No changing out the rear end components to heavier/aftermarket parts. Must be OEM parts only!
- Aftermarket steering columns are allowed. No aftermarket hydraulic steering setups. Column shaft 3/4" maximum.

**Tires & Brakes**

- Vehicle must have working brakes at all times and have the ability to stop.
- Any tire/rim combo is allowed.
- (4) wheels max per vehicle, no dual tires.
- No split rims or studded tires. No studded or liquid filled tires.
- Wheel weights must be removed.
- Tubes and outer tire flaps/skins are allowed.
- Valve stem protectors are allowed but must be deemed safe.

**Frame & Bumpers**

- Any automotive OEM bumper allowed. Bumpers may be seam welded. 4" x 1/4" maximum round/square/C-channel material may be used as a bumper, 3/16" thickness maximum. Ends of tube/channel bumpers may not be capped and may not extend further than 6" past outside edge of frame rails where welded. Official's decision is final on non-OEM bumpers!
- Absolutely no aftermarket, homemade, or loaded bumpers allowed. No capping holes in bumpers.
- Bumpers may NOT have points or protruding objects.

- (1) additional 4" x 6" x 1/4" maximum bumper plate per side is allowed. These plates must contact bumper and be used to attach bumper to frame. 1/2" weld bead maximum.
- A 4" x 4" x 1/4" plate can be mounted to the bumper on each side for mounting purposes. 1/2" weld bead maximum. Do not overweld. Absolutely nothing can be inside the frame.
- No added metal on bumpers with exception of the mounting plate and straps listed above.
- Fenders and bumper ends may be trimmed to allow for wheel clearance. Solid welded shock mounts will need an inspection hole. Bumpers may be wired in (4) places to sheet metal only.
- **Pre-Ran Vehicles Only:** You will be allowed (2) 4" X 4" X 1/4" "Fix-It-Plates" total. 1/2" weld bead width maximum, must have at least a 1/2" gap between plates, this also includes the welds. Do not add more than (2) plates per vehicle! Once these plates are welded on, you will not be allowed to remove/move them to run again in the future.

### Drivetrain

- Any engine/transmission combination is allowed but cannot strengthen vehicle in any way.
- No engine cradles or transmission braces allowed.
- 3/8" chain or double wrap #9 wire may be used around crossmember and transmission to secure.
- Crossmember may be stock OR 2" x 2" x 1/4" maximum tubing. A 4"x 4" x 1/4" maximum crossmember mounting plate on each side is allowed, these may be welded with 1/2" weld maximum. No other welding or reinforcing crossmember or mounts allowed.
- 5 lug maximum rear axle allowed and must be stock appearing. Must bolt into factory mounts in vehicle. No aftermarket trailing arms or brackets. No 8 lug rear axles allowed.
- No aftermarket axle shafts, no aftermarket housings or housing braces, no axle-savers, and no pinion brakes will be allowed.
- Exhaust may exit down under vehicle past driver's area or straight up through the hood.
- Radiator must mount in factory location or be removed.
- OEM style radiator only.
- NO homemade radiators or reservoir tanks allowed.
- Radiators can be spray foamed in place.
- Electrical fans are allowed.
- Welded differentials are allowed.
- Stock motor mounts only. No aftermarket/solid motor mounts are allowed. Motor mounts can be secured by one of 2 of the following ways:
  - **Option 1:** (2) wraps of #9 wire around mount.
  - **Option 2:** A single loop of 3/8" chain with a single 3/8" bolt allowed but bolt/chain cannot be welded anywhere.

### Cage/Driver's Compartment

- The battery may be relocated to the front passenger floorboard or passenger seat area. It must be securely fastened and covered.
- Driver door panel can be left in place or suitably replaced. Driver's door must have padding of some type.
- Driver's door may be foamed for protection.
- Drivers door protection is required. We cannot emphasize enough that cannot have too much door protection.
- Driver's seat must be securely bolted to the floor.
- Must run wire, chain, seat belt, or a bar in the front windshield area from roof to cowl, welded or bolted to sheet metal only. If using a bar it may not contact cage or engine. Bar may be 2" square tube maximum and may only attach 4" maximum onto roof and cowl.
- A "floating" 4-bar/4-point cage is also recommended. Cages must not exceed 6" in front of the front doors and may not exceed past the passenger area of the cab of trucks, or the B-pillar of Vans/SUVs.
- All cage material must not exceed 4" x 4" maximum material (or equivalent **Example:** 2" x 6").
- Cage may be welded and/or bolted into place. Cage may NOT have kickers or down bars to frame. Gussets are allowed but must be on inside of cage and attach to cage only.
- Cage must be 5" off of the floor and cannot be higher than 5" below the window sill of the doors.
- A rollover bar may be used. Rollover bars must be welded to rear of door bars and/or rear side-to-side bar of cage. Rollover bars must go straight up vertically must not be angled and have a single bar across the roof attaching uprights. Bar over roof may be attached to roof in (2) locations in front of the bar with 4" of weld or (2) 3/4" maximum bolt with 4" maximum washers. (**Rollover bars required for Mini-Truck/Van/SUV Bump 'N' Run vehicles!**)
- Stock fuel tank must be removed and replaced with an approved marine tank/fuel cell. The tank may be mounted in the cab or to the very front center of the bed, and be securely bolted. If the fuel tank is in the cab it must have a maximum distance between it and the battery possible and covered. Fuel tanks for vans/SUVs must be behind front seat area and securely fastened to floor or mounted to cage.

- All fuel tank/fittings must be leak proof. Auxillary electric fuel pumps are allowed with a shut off switch within reach of driver, preferably left side of the steering column and labeled so officials may also shut off in case of emergency. Metal/braided stainless lines only inside cab. All lines inside vehicle must be covered.
- Pump gas only. No exotic fuels allowed.
- Aftermarket shifters and fuel/brake assemblies allowed.

If you have any questions with the rules, CALL FIRST. Do NOT assume anything, do NOT play the grey areas. The official's decision is final. Call Todd Sorensen at 231-425-6990 for building questions.