

3.0 DIESEL TRUCK RULES

EXHIBITION CLASS - PAYOUT WILL BE PORTION OF HOOK FEES FOR PLACING UP TO 5 VEHICLES ON A PERCENTAGE BASIS

1. Engine: 444 cubic inch limit. Engine must be in engine compartment, all engine components, including pumps, drives, and harmonic balancer must be behind the grill, in and on the original grill position. The engine must have been available as a factory option on one ton or smaller trucks. The engine is limited to a stock appearing engine, which can be interchanged between Dodge, Ford, Chevy, etc. as long as they came in a one ton or smaller pickup from the factory. Complete engine must have stock appearance except where otherwise noted in these rules. Aftermarket intake manifolds are allowed. Radiators must be in the stock location and be at least stock size. Single turbochargers allowed. i. Single turbocharger limited to a 3.0" inducer on compressor. This may be measured using a 3.05" slug to verify size. Slug must not be able to make contact with compressor wheel.

2. Body/Chassis: Body must be stock appearing. No flatbeds. All vehicles must use steel frame, no aluminum or magnesium allowed in frame rails. Must retain factory firewall and floor pan. If factory floorpan is removed.. If there is no floor in box, rear wheels must be covered with bed liner or tonneau cover. Truck is to have vertical bumpers to prevent vehicles from passing over buckboard of sled, while backing up to hook or unhook. Bottom to be maximum 24" from ground. Bumper to extend minimum of 8" vertically. Must be of rigid construction.

3. Transmission/Driveline: Factory OEM appearing driveline from a one ton or smaller truck. i. This includes the transmission, transfer case, and axles. Driveshafts, yokes, and u-joints may be a different size as necessary. Drive train will consist of the following: Any front axle, any transfer case and any rear axle. No planetaries permitted. No counter balancers permitted in driveline. All trucks must have three round metal loops shielding on each driveshaft (two piece driveshaft will have six metal loops). 360 degree loop must be a minimum of $\frac{3}{8}$ " thick aluminum or $\frac{5}{19}$ " thick steel, $\frac{3}{4}$ " wide (or wider) and not more than 2" from the shaft in any direction. End loops to be placed no further than 6" from universal joints, with third loop in center of shaft, or can be a solid tube ($\frac{3}{8}$ " aluminum or $\frac{5}{16}$ " steel) meeting the above requirements

. All chain drive transfer must have shield wider than chain and extend down to center of lowest sprocket and must be made of $\frac{1}{8}$ " steel or $\frac{1}{4}$ " aluminum.

All trucks will have 360 degree metal shield around the universal joints, $\frac{3}{8}$ " thick aluminum with $\frac{1}{8}$ " thick steel insert in aluminum or $\frac{1}{2}$ " thick aluminum of six inches (6") wide.

Axle and hub bolt shield required to be a minimum 0.060" thick. Minimum diameter of axle and end or hub bolts to be covered on both front and rear axles. Mounting shield cannot be mounted to axle end or hub bolts. A hole may be installed in center of front shield so lock can be operated, so long as hub end or axle bolts are covered.

Headers or open exhaust will be allowed but must exit up or back, not angle down or out, and not more than 20 degrees back. Headers must exit up if alcohol fuel is used.

4. Fuel & Water: Diesel fuel, soy/biodiesel, and racing diesel allowed. Secondary fuel prohibited. This includes but is not limited to propane, natural gas, methanol, ect. All system components must be removed from the vehicle. Water injection allowed. Alcohol, methanol and

other flammables are prohibited. Injection pump is limited to a max size of inline series P-pump or dual CP3 pumps. P-pump can be OEM automotive style (RQV) or Ag style (RSV) governor. No Sigma pumps or 12 cylinder P-pumps. Racing fuel cells are permitted.

5. Kill switch: Must have guillotine type air shutoff on inlet of atmospheric turbocharger. This must be operated from the rear of the vehicle.

6. Exhaust: All vehicles must be equipped to direct exhaust upward. Two 3/8-inch diameter bolts must be placed through the exhaust pipe in a cross pattern one inch of each other, within 12 inches of the turbo.

7. Wheels & Weights: The tires must be DOT street tires. Maximum size of a 35 inch 12.50 or metric equivalent allowed. Cut tires are prohibited. 7,500 minimum weight – 8,000 lbs. maximum weight for single wheels. Rear dual wheels allowed with 400 lb weight reduction. i. Trucks with duals will weigh 7100 and 7600 lbs. If any dual wheeled truck cannot get to specified weight, single wheeled trucks will adjust accordingly. Example: If dual wheeled truck can only get to 7400 lbs, then single wheeled trucks will weight up to 7800 lbs in the light class. No truck in any class (single or dual wheeled) can exceed 8200 lbs. Ballast is permitted. Front hanging weight are allowed, not to exceed 60 inches forward of the center of the front axle. This will be measured from center of front wheels to end of weight assembly. Ballast may be added in bed of the truck.

8. Drawbar & Hitch: Hook point must be no closer than 44 inches of centerline of rear axle. Hitch height maximum of 26 inches with a minimum of 3.75-inch-long by 3-inch-wide opening. Hitch point must be easily accessed, no trick type hitches permitted. Hitches must be stationary in all directions and must be frame mounted. Hitch must be mounted center-line of the rear axle or behind. Hitch must not exceed a maximum of 25-degree angle from pivot point to hook point.

9. Steering and Suspension: Hydraulic steering is permitted. Suspension, Front: Adjustable caster/camber pillow ball mounts are permitted. The lower control arm may be strengthened provided factory mounting points to chassis are maintained. The lower mounting point for the strut assembly may be modified for improved caster or camber. Strut tower braces, lower tie bars, sway bars, and limited straps are permitted. Traction bars and devices are permitted. Final decisions rest with the tech officials. Suspension, Rear: Lowering or raising the vehicle height with suspension modifications is permitted. Traction bars and devices are permitted. Sway bars, limit straps and camber kits are permitted. Blocked suspension is permitted.

10. Safety: Lap belts required. All trucks must have a complete firewall (no holes except for controls).

All current USPA (US Pullers Association) Rules must be met and precede any NeTTPA class rules. For a copy of this Rule Book, contact an officer or class tech.

Any questions pertaining to these Rules, contact a NeTTPA 3.0 4wd Diesel Class Tech Inspector