

FANTASY TRUCK PULLERS

2009 RULES

STREET DIESEL 4X4

1. Any ¾ or 1 ton full size pickup body may be used. The bed floor must remain intact. Must retain full sheet metal. Metal after market hoods are permitted. No fiberglass. May not be stripped beyond safe operating condition. All glass must remain intact. Must be licensed. Must be factory interior. Bed must be fully intact. No cutting away of box. Must be oem of year make and model through & through. Complete OEM firewall & floor pan is required. The OEM chassis is mandatory. The engine must be in the OEM location for the body used. Must retain full OEM chassis. Wheel tubs, back-half conversions, tube chassis, etc are prohibited.
2. Must maintain factory wheel base and tracking.
3. Radiators must be in stock location and at least of stock size.
4. Four wheel hydraulic brakes are mandatory.
5. The engine block must have been available as a factory option on a one ton or smaller truck. The fuel injection pump is limited to a stock appearing, OEM engine make specific pump only. Dual high pressure common rail pumps or h pops are permitted. The P7100 injection pump if equipped, must utilize a stock appearing governor. No AG or Sigma pumps.
6. OEM transmission and transfer case is mandatory. It must have been an option on a one ton or smaller truck. Non OEM transmissions are not allowed. Aftermarket torque converters, valve bodies and internal components are permitted. Transmission brakes are not allowed. Any non-OEM floor mounted automatic transmission shifter must be equipped with a spring loaded positive reverse lock out device to

prevent the shifter from accidentally being put into reverse gear. Neutral safety switch is mandatory. All transmission lines must be metallic or high pressure type hose. Vehicles with engines running 4500 RPMs or more and using an automatic transmission must be equipped with a transmission shield meeting SFI spec 4.1 and must be labeled accordingly. Blanket type shield is permitted and it must be appropriately labeled as meeting SFI spec 4.1 and it must extend from the rear of the block to the front of the tail housing with a minimum 6" overlap where fastened. All non-blanket type shields must incorporate two (or one per manufacturers instructions) $\frac{3}{4}$ " by $\frac{1}{8}$ " straps that bolt to the shield on each side and pass under the transmission pan unless the transmission pan is labeled as meeting SFI spec 4.1 All vehicles with engines running 4500 RPMs or more using an automatic transmission must be equipped with a flex plate meeting SFI spec 29.1 and be covered by a flex plate shield meeting SFI spec 30.1. Clutch must meet SFI spec 1.1 or 1.2 is mandatory on all vehicles. All transmissions must be clutch assisted. No sequential shifters are allowed. All vehicles equipped with a manual transmission must have a flywheel shield labeled as meeting minimum SFI spec 6.3 or greater. Applications for which an SFI spec flywheel shield is not available may use a properly attached SFI 4.1 or 4.2 blanket that completely covers the bell housing, it must be attached to the block and extend rearward to the transmission with a minimum 6" overlap where fastened.

7. Hanging weights are permitted. Hanging weights may not extend more than 60" from the centerline of the front axle.
8. All vehicles must be equipped to direct exhaust upward or downward. Two $\frac{3}{8}$ diameter bolts must be placed in the exhaust pipe in a cross pattern within one inch of each other as close to the turbo as is practical. Exhaust must exit behind the cab of vehicle. Stacks must be directly upward. Curve stacks / Bull horns are not permitted unless they can be directed away from spectators/crowd/Sled operator.
9. Fuel must be pump #1/#2 diesel only. Soy/Bio diesel permitted. Nitrous oxide & propane are prohibited.
10. Must be Reese style hitch. Reinforcements are allowed. Trick hitches are prohibited. Hitch must be easily accessible for hook. Must be

constructed of solid material that is properly attached and braced. Hooking point must be at least 44 inches rearward from the centerline of the rear axle. Hitch must be horizontal to the ground and stationary in all directions. Hitch height may not exceed 26 inches from the ground. Hitch must be easily adjustable. No bouncing on truck to lower hitch. Must be in state of rest. Hooking point must have a minimum 3 inch inside diameter opening for the sled hook. The hooking point will be measured to the center of the clevis loop. Must have bumper or bump stops if vehicle has no bumper.

11. Sled operated kill switch is mandatory on all vehicles. On mechanical injected motors air shutoff required. Must be in middle of truck and have a ridged 2" ring. Driver operated fuel shutoff is highly recommended.
12. The rear end must have been an option on a one ton or smaller truck. Rear axle bolts must be covered by a cap or shield.
13. The upper mounting point for strut assemblies must be in the factory location. 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 limit straps are permitted. Traction bars and devices are permitted.
14. Street legal working suspension is mandatory. Removable solid suspension bars are permitted. Control arms may be strengthened or replaced, provided all original mounting points are retained. Strut tower braces, lower tie bars, sway bars, limit straps, and camber kits are permitted. 4-link suspension systems are permitted. Air suspension is permitted, but the compressor must be disconnected at the pump.
15. Tires must be DOT street tires only. Cut or cyped tires are not allowed. Maximum tire size 35x12.5 for single or dual wheel with a limit of 6 tires total. With a maximum rim width 10". Dual tires are permitted on rear if equipped from the factory and must be covered.
16. Vehicles are limited to two turbochargers in a compound setup only. Single turbos are unlimited in size. For multiple turbos, the inducer

bore on the atmosphere compressor housing may be no larger than 3.2" measured at the smallest diameter of the compressor wheel. A bushing may be used to downsize the compressor housing ahead of the wheel. If a bushing is used, it must be round, at least $\frac{3}{4}$ " , mounted within 0.050 inch of the compressor wheel, and the inside diameter of the bushing may not exceed the 3.2" limit.

17. Water injection permitted. Alcohol, methanol, and all other flammables are not allowed. Commercially available pump lube is allowed.
18. Must be able to drive forward on and off the scale. No weights may touch the scale.
19. Weight will be 8000#.
20. Diesel class will also follow general rules.