

## **2009 Fantasy Super Street Diesel Guidelines and rules.**

The **Super Street Diesel (SSD)** class is designed for full-bodied pulling trucks. The vehicle must be four-wheel drive.

- 1. Weight:** 8000 lbs. Maximum with driver.
- 2. Ballast:** Ballast is permitted. Hanging weights may not extend more than 60 inches from the centerline of the front axle.
- 3. Batteries:** Batteries must be securely mounted. They may not be located in the driver compartment.
- 4. Body:** The body may be any 3/4-or 1-ton full-sized pickup truck body. The body must retain full sheet metal. The full bed floor must remain intact. Alternatively, two one-hundred pound weights may be placed directly over the centerline of the rear axle in lieu of the bed floor. Metal after-market hoods are permitted. Fiberglass is prohibited. Tilt-bodies are allowed but must be securely fastened while hooked to the sled. The hood must be closed and securely latched while the vehicle is hooked to the sled.
- 5. Brakes:** Front disk brakes are mandatory.
- 6. Chassis:** The OEM chassis is mandatory. The engine must be in the OEM location for the body used. The vehicle must retain the full OEM chassis. Wheel tubs, back-half conversions, tube chassis, etc., are prohibited.
- 7. Driveline:** Any Front axle, any transfer case any rear axle. No planetaries permitted.
- 8. Driver Restraint System:** The OEM restraint system is mandatory and must be worn snugly. Alternatively, a three-inch-wide driver restraint system labeled as meeting SFI Spec 16.1 is permitted; this system includes a crotch strap and must be updated at two-year intervals from date of manufacture.
- 9. Driveshaft Loops:** All trucks must have at least six-inch wide u-joint shields around the rear u-joint constructed of at least 1/4 inch steel or 3/8-inch aluminum that will safely contain the u-joint and the ends of each shaft. In addition there will be at least one shaft loop in the middle of the drive shaft. All shields must be securely mounted to the vehicle. Any front shaft u-joint that is visible from the side of the truck must be shielded to contain the u-joint and the end of the shaft.
- 10. Engine:** The engine block must have been available as a factory option on one-ton or smaller factory production pickup trucks. With a maximum cubic inch limit of 460. Engine must remain in stock location as intended by manufacturer. Front of engine block can be no farther forward than 17" of the centerline of the front axle.

- 11. Exhaust:** All vehicles must be equipped to direct exhaust upward. Two 3/8 inch diameter bolts must be placed in the exhaust pipe in a cross pattern within one inch of each other as close to the final turbo as is practical.
- 12. Fire Extinguisher System:** Must have a 2 1/2# fire extinguisher. Securely mounted in side of cab in reach of driver.
- 13. Firewall:** The complete OEM firewall is mandatory.
- 14. Floor:** The complete OEM floor pan is mandatory.
- 15. Fuel:** The fuel must be pump #1/#2 diesel only. Soy/Biodiesel fuel is permitted.
- 16. Fuel Injection Pump:** Sigma-type and/or 12 cylinder injection pumps are prohibited. All CP3/Siemens/Ag/P-pump Fuel injection systems are allowed.
- 17. Harmonic Balancer:** All engines must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1. Alternately, If a harmonic balancer is not used and a tone ring is in place, a shield across the frame under the front of the motor shielding the damper and engine fan area is required.
- 18. Hitch:** The hitch must be constructed of solid material that is properly attached and braced. The hooking point must be at least 44 inches rearward from the centerline of the rear axle. The hitch must be horizontal to the ground and stationary in all directions. The hitch's height from the ground may not exceed 26 inches. The hooking point must have a minimum 3.00-inch inside diameter opening for the sled hook. The hooking point will be measured to the center of the clevis loop. No "trick" or floating type hitches will be permitted. The final decision rests with the Fantasy Technical Department. A 3.5" x 3.0" hook point is not mandatory but is recommended.
- 19. Interior:** The vehicle must be equipped with a minimum of one seat for the driver; it must be properly installed.
- 20. Intermediate Shafts:** On vehicles so equipped, all intermediate drive shafts must be fully enclosed with a 5/16 inch steel or 3/8 inch aluminum shield. The shield must cover the entire length of the shaft and the universal joints and yokes at each end.
- 21. Master Cutoff:** A sled-and driver-operated emergency air and or fuel shut off is mandatory. Mechanical injection pump equipped trucks must run an Air shut-off and is highly recommended on all trucks. A three-way dump valve is recommended. The cable must terminate into a two-inch diameter rigid steel ring.
- 22. Nitrous Oxide:** Nitrous oxide is prohibited. All other oxygen extenders are prohibited. All system components must be removed from the truck.

- 23. Propane:** Propane is prohibited. All system components must be removed from the truck.
- 24. Rear End:** Rear axle bolts must be covered by a cap or shield.
- 25. Suspension, Front:** The axle centerline must remain in the factory location. The final decision rests with Fantasy Technical Department.
- 26. Suspension, Rear:** Rigid or 4-link suspensions are permitted. Air suspension is permitted; the compressor must be disconnected.
- 27. Tires:** Tires must be DOT street tires only. With a maximum size of 35x12.5 limited to a total of 6 tires. With a maximum rim width of 10” Dual rear tires are allowed. Cut tires are prohibited.
- 28. Tow Vehicles:** Tow vehicles are permitted. Competing trucks must be able to drive on/off track by itself.
- 29. Transmission, Automatic:** Aftermarket torque converters, valve bodies and internal components are permitted. Transmission brakes are prohibited. Any non-OEM floor-mounted automatic transmission shifter must be equipped with a spring-loaded positive reverse lockout device to prevent the shifter from accidentally being put into reverse gear. A functional neutral safety switch is mandatory. All transmission lines must be metallic or high-pressure-type hose. All vehicles with engines running 4500 RPM or more and using an automatic transmission must be equipped with a transmission shield meeting SFI Spec 4.1 and must be labeled accordingly. A blanket-type shield is permitted; 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 tailhousing with a minimum six inch overlap where it is fastened. All non-blanket type shields must incorporate two (or one, per manufacturers instructions) 3/4 inch by 1/8 inch 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 RPM or more and 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.
- 30. Transmission, Manual:** A clutch meeting minimum SFI Spec 1.1 or 1.2 is mandatory on all vehicles. All transmissions must be clutch assisted. Sequential shifters are prohibited. 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 bellhousing; it must be attached to the block and extend rearward to the transmission with a minimum six inch overlap where it is fastened.
- 31. Turbocharger:** Vehicles are limited to two turbochargers only. Single turbos are unlimited. For multiple turbos, the inducer bore on the atmosphere compressor housing(s)

may be no larger than 3.2 inches measured at the smallest diameter area 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 3/4 inch long, mounted within 0.050 inch of the compressor wheel, and the inside diameter of the bushing may not exceed the 3.2 inch limit. If you have any questions regarding the construction of a bushing, contact Fantasy Diesel Technical department. A stock map width enhancement (MWE) groove is permitted. No MWE groove may be wider than 1/4 inch. All provisions allowing air to the wheel other than via the bore and MWE grooves are prohibited. The inducer bore will be measured using a 3.25 inch plug.

**32. Water Injection:** Water injection is permitted. Alcohol, methanol, and all other flammables are prohibited. Commercially available pump lube is allowed.

**33. Wheelbase:** Maximum wheelbase permitted is 158" Unless it is a factory original unaltered frame wheelbase and track width that was available on a factory production 1 ton or smaller truck. Front dual-wheel spacers may be used only with accompanying positive-offset dually-style wheels. Final decision rest with Fantasy Technical Department.

**34. ALL FANTASY SSD TRUCK MUST ALSO FOLLOW GENERAL RULES AND GUIDELINES**