

Super Stock Diesel (SSK)



Super Stock Diesel Category Rules

Weight breaks:

8000 lbs. Weight is with driver.

The Super Stock Diesel class is designed for off-road, full-bodied, severely modified pickup trucks built for pulling.

REGULATIONS

Ballast:

Ballast is permitted. Hanging weights may not extend more than 60 inches from the centerline of the front axle. Weights in the bed are to be mounted securely. No weights in the driver compartment.

Batteries:

Batteries must be securely mounted. They may not be located in the driver compartment.

Body:

Any truck body style is permitted, but the body must retain the full-bodied appearance. The vehicle must have at least two functional doors. The doors must open and close from inside and outside. Glass may be replaced with Lexan or other shatterproof material of 1/8 inch minimum thickness. The side windows need not be operational.

Brakes:

Vehicles must have adequate stopping power.

Cooling System:

Any sealed system is permitted.

Credentials:

All drivers must have a valid state driver's license.

Driver Restraint System:

A three-inch-wide driver restraint system labeled as meeting SFI Spec 16.1 is recommended and should be worn snugly.

Driveshaft Loops: Front & Rear

All trucks must have at least six inch long 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.

Engine:

The engine must be compression ignition engine with a maximum of 460 cu in. The engine block must have been available as a factory option on one-ton or smaller pickup truck. An SFI rated dampener is recommended.

Engine Shielding:

A ¼” steel plate or 3/8” aluminum plate shield across the frame under the front of the motor shielding the damper and engine fan area is required. Side shields are recommended to run the length of the block covering the block from head to pan. The frame rails may be used as part of this shield.

Exhaust:

Exhaust must be directed away from the fuel tank and driver and exit the vehicle within 10 degrees of plumb. Two 3/8 inch diameter bolts must be placed through the exhaust pipe in a cross pattern within one inch of each other as close to the final turbo as is practical.

Fire Extinguisher:

A Halon fire extinguisher is required. It must be securely mounted and within reach of the driver.

Firewall:

Each vehicle must be equipped with a minimum 0.024 inch steel firewall, extending from side to side of the body and from the top of the engine compartment's upper seal (hood, cowl, or deck) to the bottom of the floor and/or belly pan. The firewall must provide a bulkhead between the engine and/or fuel tank and driver compartment. All openings must be sealed, excluding grommets. The use of magnesium is prohibited

Floor:

Each vehicle in competition must be equipped with an OEM or minimum 0.024 inch steel floor pan that extends the full length and width of the driver compartment.

Fuel:

The fuel must be pump #1 or #2 diesel only. Soy/Bio-diesel fuel is permitted.

Fuel Shutoff:

All trucks must be equipped with a driver-operated fuel shutoff capable of blocking fuel flow to the injection pump. A three way dump valve is recommended.

Fuel System:

Location: All fuel tanks, lines, pumps, valves, etc. must be located outside of the driver compartment and within the confines of the frame and/or steel body. Fuel pressure gauge isolators, with steel-braided line, may be mounted on the firewall.

Lines:

All non-OEM fuel lines (including gauge and/or data-recorder lines) must be metallic, steel-braided or “woven or woven-push lock.” Fuel lines (except steel-braided lines) in the

flywheel/bell housing area must be enclosed in a 16 inch length of steel tubing of 1/8 inch minimum wall thickness and be securely mounted as a protection against fuel-line rupture.

Helmet:

Drivers must wear a helmet meeting Snell 90, 95, 2000, K98 or SFI Spec 31.1 or 41.1 standards. The retention strap must be securely and snugly fastened. The helmet must have the appropriate certification sticker affixed inside it.

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. The final decision rests with the MM Technical Department.

Interior:

The vehicle must be equipped with one seat for the driver; it must be securely installed.

Intermediate Shafts:

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.

Master Cutoff:

A sled- and driver-operated spring-loaded emergency air shut off is mandatory. The cable must terminate into a two inch diameter steel ring.

Nitrous Oxide:

NITROUS OXIDE IS PROHIBITED. All tanks must be removed from the vehicle.

Propane:

PROPANE IS PROHIBITED. All tanks must be removed from the vehicle.

Protective Clothing:

Drivers must wear a jacket and pants or one piece suit meeting SFI specification 3.2A/5 or 3.2A/15, gloves meeting SFI specification 3.3/15, and shoes or boots meeting SFI specification 3.3/5. Protective clothing exceeding these specifications is permitted. The protective clothing must be labeled with the proper SFI specification.

Rear Axle:

Rear axle bolts must be covered by a cap or shield.

Suspension:

Rigid or 4-link suspensions are permitted.

Tires:

Tires may be no more than 36 inches tall. Pulling tires okay.

Transmission, Automatic:

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 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 tail-housing with a minimum six inch overlap where it is fastened. All non-blanket-type shields must incorporate two (or one, per manufacturer's 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 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. If SFI rated flex plates aren't available then a blanket shield is permissible per above specifications.

Transmission, Manual:

A clutch meeting SFI Spec 1.2 or 1.3 is mandatory. 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 bell-housing; it must be attached to the block and extend rearward to the transmission with a minimum six inch overlap where it is fastened. If a SFI rated clutch isn't available then a flywheel shield and blanket may be used per above specifications.

Turbocharger, Supercharger:

Turbocharger(s) must be enclosed in the engine compartment; they may not be visible from outside the truck.

Water Injection:

Water injection is permitted. Alcohol, methanol, and all other flammables are accepted. Commercially available pump lube allowed.

Wheelbase:

The minimum allowed wheelbase is 90 inches; the maximum allowed is 158 inches. The maximum wheelbase variation from left to right is one inch; the measurement will be made using a X pattern (LF-RR and RF-LR). The maximum allowed tread width is 102 inches.

*All judgments will be made by MLM officials and will be final.