

The Modified Street/2.5 Class is designed for a daily-driven, on the road pickup trucks (full-bodied diesel pickup trucks). Valid DOT registration, state inspection and license plates are mandatory. The truck must weight 8,000 lbs. or less with driver.

#### Safety

- OEM equipment and seat belts.
- Fire extinguishers.
- All safety shields and blankets as required in class rules.

#### Ballast

- Ballast is permitted.
- Hanging front weights are permitted but cannot exceed 60" to the furthest most point of the ballast from the center line of the front axle. Weight boxes are prohibited.
- Ballast may be added in the bed of the truck.
- All ballast must be securely fastened.

#### Batteries

- The batteries must be securely mounted with a solid hold down.
- They may not be located in the driver compartment or forward of the radiator core support.

#### Body

- The body must be the OEM truck body.
- The body must retain full sheet metal.
- Metal after-market hoods are permitted.
- Fiberglass hoods are permitted with a sheet metal or aluminum skin shield underneath of at least .060" thick.
- The hood must be closed and securely latched while the vehicle is hooked to the sled.
- The complete OEM firewall and the OEM floor plan is mandatory.
- A factory installed pickup bed or commercial style after-market bed must be installed.
- Front bumpers are mandatory. Ranch hand style and others are permitted. Rear bumpers mandatory. Rear roll pans are allowed.

#### Brakes

- Four-wheel hydraulic functional brakes are mandatory.

#### 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.

#### Cooling System

- Radiators must be in the stock location and be of at least stock size.

#### Driveline

- An OEM transmission and transfer case are mandatory.
- They must have been an option on a one-ton or smaller pickup.

#### Driver Restraint System

- The OEM restraint system is mandatory and must be worn.

#### Engine

- The engine must have been available as a factory option on a one ton or smaller pickup truck.
- Cubic inch limit of 444 cubic inch.
- Blocks must circulate coolant freely. No hard-filled blocks.
- Electric water pumps and cooling fans are allowed.
- All other accessories must be powered by factory belting.

#### Exhaust

- All vehicles must be equipped to direct exhaust upward for 2018 recommended for 2017.
- The exhaust must exit rearward of the driver's compartment.
- Stacks exiting through the hood or fender well are prohibited.
- If the muffler or catalytic converter have been changed from stock, two 3/8 inch diameter, minimum grade 5 bolts must be installed through the exhaust pipe in a cross pattern within one inch of each other as close to the turbo as is practical.

#### Fire Extinguisher System

- A fire extinguisher is mandatory. Must be within reach of the driver.
- An on-board fire suppression system is permitted.

#### Fuel

- The fuel must be pump #1/#2 diesel only.
- Soy/Bio-diesel fuel is permitted.
- Off-road diesel fuel is prohibited.
- Nitrous oxide and propane are prohibited along with other oxygen extenders.
- All system components must be removed from the truck.

## Fuel Injection Pump

- The fuel injection pump is limited to a stock-appearing, OEM engine model-specific pump only.
- The use of dual high-pressure common-rail fuel pumps is permitted.
- Powerstroke engines with a single factory turbo may utilize a second HPOP.
- Pumps from different years in the same engine model may be interchanged.
- Cylinder number specific pumps (i.e.: 6 cylinder pump on a 6 cylinder engine).
- Sigma or 12 cylinder pumps are prohibited.

## Fuel System

- The OEM fuel tank is mandatory and must be used.
- Racing fuel cells are prohibited and must be removed from the vehicle.

## Harmonic Balancer

- All engines turning 4500 rpm and higher must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1.

## Hitch

- The hitch must be a receiver-style hitch; reinforcements are permitted.
- Reinforcements must not extend forward of the centerline of the rear axle or to the axle housing itself. Reinforcing materials will all be below the plane of the frame rails.
- Trick hitches are prohibited.
- The hooking point must be the rear-most point on the vehicle and must be rearward of the stock location of the tailgate.
- The hitch must be horizontal to the ground and stationary in all directions.
- Bumpers may be notched or removed.
- The hitch's height from the ground may not exceed 26 inches.
- The hooking point must have a minimum 3.750 inches inside diameter opening for the sled hook.
- The hooking point will be measured to the rear of the opening in the clevis loop."
- Hitch must be a minimum of 44" measured from the centerline of the rear axle to the hooking point.

## Inter Coolers

- Factory style or after-market air to air coolers are permitted only in the stock location.
- Water to air coolers are prohibited.
- Any means of cooling the air before the engine, except the air to air cooler is prohibited.

## Interior

- A complete interior including dashboard, door panels, headliner, etc. is mandatory.
- Two matching front seats are mandatory.
- After-market seats are permitted; they must be fully upholstered.
- All factory controls (lights, signals, horn, windows, wipers, etc.) must be retained and operative.

## Rear End

- Non-OEM rear-end housings are prohibited.
- It must have been an option on a one-ton or smaller pickup.
- Rear axle bolts must be covered by a cap or shield.

## Steering

- The vehicle must retain the full, original OEM steering gear and OEM power steering assistance, if it was so equipped.
- Additional stabilizers are permitted.
- Non-OEM power assist methods are prohibited.

## Street Equipment

- Complete headlight and taillight assemblies (all) are mandatory and must be operative.
- Complete OEM windshield and windows are mandatory.
- Windows must be operative per factory specifications; that is, they must open and close via OEM electrical or mechanical means.

## Suspension Front

- The factory suspension configuration must be retained.
- 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 limited straps are permitted.
- Traction bars and devices are permitted.

## Suspension Rear

- An OEM-style suspension is mandatory.
- Lowering or raising the vehicle height with suspension modifications is permitted.

- Traction bars and devices are permitted; they must be bolt-on only; welds are permitted for attachment to frame or axle housing.
- All OEM suspension mounting points must be retained and used.
- Sway bars, limit straps, and camber kits are permitted.
- A truck may run a solid suspension using removable blocks.
- All rear suspensions must use at least one working shock absorber and leaf spring per wheel.
- Airbag spring assistance is permitted; airbag compressors must be disconnected.

#### Tires

- The tires must be DOT street tires.
- Cut tires are prohibited.
- Rear dual tires are permitted with OEM appropriate bed.
- Trucks utilizing dual rear wheels will be limited to a max ground contact patch of 18" per side.
- Use of dirt deflectors is prohibited.

#### Tow Vehicles

- Tow vehicles are permitted.

#### Transfer Case

- Non-OEM transfer cases are prohibited.
- The transfer case must have been an option on a one-ton or smaller pickup truck.

#### Transmission Automatic

- Non-OEM transmissions are prohibited.
- After-market 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 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 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.

#### Transmission Manual

- Non-OEM transmissions are prohibited.
- After-market internal components are permitted.
- A clutch meeting minimum SFI Spec 1.1 or 1.2 is mandatory on all vehicles with engines running 4500 rpm or more.
- All manual transmissions must be clutch assisted.
- Sequential shifters are prohibited.
- All vehicles with engines running 4500 rpm or more and 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.

#### Turbocharger

- A single turbocharger with a single compression stage is permitted. The intent of this rule is to limit turbochargers to OEM-style wheel cover geometries with minimal modifications.
- The compressor cover inducer bore is limited to 2.50" diameter and will be checked with a 2.550" plug. Bore may not be oveled or otherwise distorted from a true circular shape to allow stoppage of the plug, but allow additional airflow to the wheel.
- A compressor wheel must protrude into the inducer bore by visual inspection
- The compressor wheel and compressor cover contours must be parallel within normal OEM clearances (<0.030" per side) and will be checked visually or with a wire gauge if needed. No cuts, ledges, steps, tapers or any other features may be machined into the wheel or cover contour to allow additional airflow. Removable bushings are not permitted.
- A single MWE groove is limited to 0.150" wide at all locations around the inducer bore and will be checked with ball diameter at 1.155" on a pick or by other means. The ball must not pass through the groove. No additional features or structures are permitted in the slot that would prevent passage of the ball. 2.5" bore both before and after the MWE. Where the groove intersects the inducer bore, no radiusing or contouring is allowed; only sharp corners with minimal chamfers/edge rounding is legal. Air may

only enter the compressor wheel via the specified inducer and MWE groove. No forward facing MWE.

- Any type of adjustable compressor inlet on the turbo must be welded into place.
- The MWE trailing edge must be behind the wheel tips. The MWE leading edge must be within 0.500" of the wheel tips and will be measured with a hook-style pick or by other means with a 0.500" mark on it. Excessive clipping or back-beveling of the wheel tips move the MWE further up the contour is not permitted.
- 6.4 liter Powerstroke engines may utilize the factory twin-turbo configuration with no alterations/modifications to bore/housing or wheel. 6.4 Powerstrokes will be permitted to run modified turbos, as long as the atmosphere turbo does not exceed the OEM straight bore dimension (2.59"). No tapered covers will be permitted.
- The driver will be responsible for making the compressor wheel and bore accessible for Tech Officials to measure bore and inspect the compressor wheel.

#### Water Injection

- Water injection is prohibited.
- All system components must be removed from the truck.

#### Wheelbase

- The vehicle must retain the original factory wheelbase and track width.
- Front dual-wheel spacers may be used only with accompanying positive-offset dually style wheels.