

## Revised 2022

The Open Gas Class is designed for pure pulling full-bodied open gas pickup trucks. The truck must weight 6,500 lbs. or less with driver.

### Safety

- SFI driver restraint.
- Fire extinguishers.
- Helmet and protective clothing.
- Fuel and air shut offs.
- 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.
- 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.

### 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 prohibited.
- 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.
- The full bed floor must remain intact. Alternatively, 200 lbs. of movable weight must be placed rearward of the center line of the rear axle in lieu of the bed floor.

### Brakes

- Front 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

- Optional.

#### Driveline

- Open.

#### Driver Restraint System

- The OEM restraint system labeled as meeting SFI Spec 16.1 or 1.t is permitted; this system must be updated at two-year intervals from date of manufacture.

#### Drive Shaft 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 end of the rear 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.
- There will be at least one shaft loop in the middle of the drive shaft.
- On vehicles so equipped, all intermediate drive shafts must be fully enclosed with a 5/16 inch steel or 3/8 aluminum shield.

#### Engine

- OEM engine (can cross lines) in OEM location.
- No turbos or superchargers.

#### Fire Extinguisher System

- A fire extinguisher is mandatory.
- An on-board fire suppression system is permitted.

#### Fuel

- Gasoline, turbo-blue, cam 2 and E-85 are permitted.
- Nitrous oxide and propane are prohibited along with other oxygen extenders.
- All system components must be removed from the truck.

#### 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.

## Harmonic Balancer

- All engines turning 4500 rpm and higher must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1.
- A shield across the frame under the front of the engine shielding the damper and engine fan area is required.

## Helmet

- Drivers of all vehicles must wear a helmet meeting Snell SA2010, SAH2010, SA2015 standards, or SFI Specs 3.1/2010, 31.1/2015, 41.1/2010 or 41.1/2015.
- 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 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 rear axle housing itself.
- 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 extend 26 inches.
- The hooking point must have a minimum of 3.750 inches inside diameter opening for the sled hook.
- The hooking point will be measured to the center of the clevis loop.

## Interior

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

## Kill Switch

- All trucks must be equipped with a kill switch.
- The cable must terminate into a two-inch diameter steel ring.

## Protective Clothing

- Fire suits required with a minimum of SFI 3.2A/1.
- In flip top bodied vehicles without a firewall or working doors, the driver will be required to wear an SFI 3.2A/5 approved suit.
- Fireproof gloves, fireproof head-stock, and fireproof shoes must meet SFI Spec 3.3.

## Rear End

- Axle and hub bolt shield required to be minimum of 0.060" thick.
- Diameter of the axle end and hub bolts to be covered on both front and rear axle.
- A hole may be installed in the center of front shield so hub lock can be operated, so long as hub end or axle bolts are covered.

## Suspension Front

- The axle centerline must remain in factory location.

## Suspension Rear

- Rigid or 4-link suspensions are permitted.
- Airbag spring assistance is permitted; airbag compressors must be disconnected.

## Tires

- The tires must be DOT street tires.
- Cut tires are permitted.

## 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 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 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.
- All manual 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.

#### Wheelbase

- The minimum allowed wheelbase is 90 inches; the maximum allowed is 180 inches.
- The maximum wheelbase variation from left to right is one inch; the measurement will be made using an X pattern (LF-RR and RF-LR).
- The maximum allowed tread width is 102 inches.