

## **“STREET STOCK” SEMI TRUCKS**

Adopted: January 2023

This class is for STREET LEGAL, LICENSED semi-trucks. Any truck that dominates in the class may be handicapped or may be moved up a class. This is truly an OPEN class for all working-class semi-trucks, but it is NOT a PURE STOCK class. There may be other “local fair” rules imposed on this class at certain events.

### **LEGALITY OF ENTRY**

All entries must be a Street Licensed Semi Truck. The owner must furnish a current registration card for the vehicle at the time of registration and the driver must have a valid CDL license. Truck must be capable of pulling a trailer on the highway. All trucks must be driven to the pulls, no exceptions. These rules may be altered or changed at any time throughout the season for anything that becomes a safety issue.

### **SAFETY CONSIDERATIONS**

No riders are permitted in trucks during pull attempts. Driver may not leave the driver's seat while the vehicle is on the pulling track. Driver will take all directions from the flagman on the track. Drivers must use a seatbelt and/or shoulder harness when hooked to the sled. All trucks must have a fire extinguisher per USA-EAST general rules.

### **AIR BAGS/AXLES**

1. Only tandem drive axle semi-trucks will be permitted to compete. Tandem axle spacing must be between 60” and 52”. No front wheel drive will be permitted. No single axle trucks. No dump trucks. No specialty trucks (well-drilling, wreckers, boom trucks, etc.) will be permitted to compete.
2. On a trial basis for 2023, trucks with airbag lift axles will be permitted but must put down pressure on the axle. All tires must remain in contact with the pulling surface at all times while hooked to the sled.
3. There must be 66” from the center of the tandems to the first obstruction forward such as the back of the truck cab, toolbox, wet line box, etc.
4. The use of air bags is permitted. However, no air may be added to or removed from the air bags while the truck is hooked to the weight transfer machine.
5. The height of the hitch must remain the same from start to finish. Any change in the hitch height will be cause for disqualification.
6. All air bags will be fully inflated and then the hitch height will be set.

## **ENGINE AND TRANSMISSION**

1. Maximum RPM limit of 2,500.
2. Water injection in any form is not permitted. Air to air intercooler only. No ice or water permitted on the truck during competition. An OEM equipped; liquid cooled aftercooler is permitted.
3. No ether, alcohol, nitrous or other combustible (propellant) liquid or combustible material may be injected into the turbocharger or any part of the air intake system.
4. Turbos are limited to single O.E.M. Turbocharger with an O.E.M 3.2-inch (82mm) maximum inducer bore on the atmosphere turbo with O.E.M factory exhaust wheels. The bore will be measured using a 3.2-inch slug. Compressor wheel must protrude 1/8 inch into the 3.6 bore. Map width enhancement of .180" maximum is permitted which must be in the O.E.M. location, (no forward facing MWE groove). Any cut, notched, or etc. turbo wheels/blades will result in a disqualification. Turbo housing must be unaltered OEM/ Factory with no provision made for extra air ow and/or machining to allow larger turbo wheels in the housing. No bushing of the inducer is permitted. It is the responsibility of the driver to make the inlet of the turbo accessible for inspection, a USA-EAST seal will be placed on the compressor housing for future reference. If the seal us in place and undamaged, no turbo inspection is required. Failure to allow for turbo inspection will result in immediate disqualification. Any truck disqualified for this reason will be required to undergo a complete super tech prior to any further competition. Absolutely no refunds for any illegal turbo found after the class has pulled. Exceptions;
  - a) A factory 2005-2009 & 2011 CAT twin turbo engine is permitted with the factory-installed non-altered turbos.
  - b) Detroit Diesel two-cycle engines may utilize one turbocharger per bank, single-staged only. Must be OEM stock Air Research or equivalent aftermarket turbo.
  - c) Cummins KT 600 model engines must retain stock turbo and stock wheel.
5. All exhaust must exit behind the driver's compartment (no hood stacks permitted) and must exit vertically. (Turnout, bull hauler, aussie, etc. stack tips are permitted).
6. Transmissions and rear ends must be commercial semi-truck factory components.
7. Only mechanically activated clutches are permitted. (Hydraulic assists are permitted)

## **ELECTRONIC FUEL INJECTION SYSTEMS/FUEL INJECTION PUMPS**

1. Alteration/modification/replacement of the (OEM) original factory fuel pump is not permitted. No pump may be modified with Sigma parts. No Billet fuel pumps.
2. A Cummins engine must have a Cummins fuel pump - A Detroit must have a Detroit fuel pump – A Cat must have a cat fuel pump.
3. No sigma pumps OR MW pumps are permitted. Normal pump diesel is the only fuel permitted in this class.

## **HITCHES**

1. Trucks that compete regularly are required to have their own hitching device that is subject to approval by the head tech official at each event. This hitch must work from the 5th wheel with the 5th wheel centered between the two rear axles. The hitch must be adjustable so that the height from the ground to the point of hook is between 20" and 16" + or – 1". The promoter will provide hitches at each event. The hitch will be measured when the truck weighs in AND immediately before the semi hooks to the sled.
2. Centerline of the rear axle to hook point on the semi hitch must be no greater than 7 feet.
3. Fifth Wheel Position- Kingpin/Fifth wheel plate position no further forward then the center of the front axle and no further back then center between the two axles.

## **TIRES**

1. All tires must be road use approved tires and available to the public. Dual wheels and dual tires must be used on the rear axles. No chains or cables permitted. No cutting of tires is permitted. Maximum tire size limited to; 11x24.5 x 8.25 (or) 10 x 22 x 8.25 (or) 315/85R x 22.5. Tread width of 10" per each drive tire.
2. No split rim or wedge lug type wheel allowed. No spoke type wheels. Wheels must be bud type.

## **WEIGHT OF TRUCK**

1. Maximum weight for any truck will be 22,000 lbs. USA-EAST/PULL-OFF or the promoter may weigh any truck at any time. If the wheelbase is too long to t all three axles on the scales, the truck may be "spilt" weighed. A variance of one percent (220 lbs.) will be given ONLY if the truck must be "split" weighed.
2. No added weight or ballast permitted.
3. All trucks shall appear 'road ready'.
4. No hanging weight permitted anywhere on the truck or hitch.