

Rules and Regulations for:  
Semi Trucks

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Note all the changes for 2021 is in green

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**2021-2022**

## 2021 Semi Trucks Pulls

### Registration Fee

All classes \$30.00 per hook. (Driver in Free)

Registration closes 1 hour after show time

### Classes

Street Legal Semi

Stock Street Semi

Hot Street Semi

Driver meeting is 15 minutes before start time.

Payout will be set 2 weeks prior to date of show.

## Point System

1. \$20 per class to enter point system
2. \$10 per class to enter point system for Garden Tractors.
3. 5 points awarded for moving the sled to 75'
4. 1st place receives 100 points, 2nd place 98 points, 3rd place 96 points down to 10th place.
5. Disorderly conduct may result in point loss from driver/vehicle.

**ANYONE** (puller, crew member, family member, or spectator) who has a **complaint** will talk to a **TRACK OFFICIAL, NOT** to the **REGISTRATION STAFF!!**

**ANYONE** who complains to the registration staff **WILL BE DISQUALIFIED** for that pull and **BANNED** from the next pull.

**Safety is highly stressed!!!**

**Pull at your own risk!!!**

**Not responsible for accidents!!!**

***Positively no alcoholic beverages!!!***



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# Semi's

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This is a class for street legal and street licensed semi trucks.

Legality of entry:

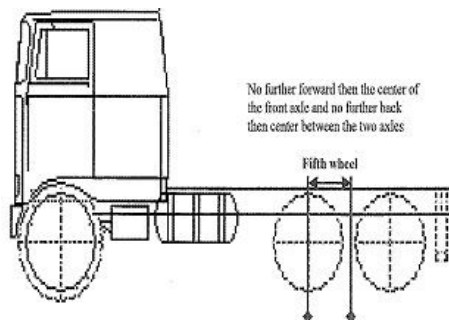
1. All entries must be a street licensed semi truck.
2. The owner must furnish a current registration card for the vehicle at the time of registration and the driver must have a valid CDL license.
3. Truck must be capable of pulling a trailer on the highway.
4. All trucks must be driven to pulls

Safety considerations:

1. No riders are permitted in truck during pull attempt. Driver may not leave the drivers seat while vehicle is on the pulling track. Driver will take all direction from the flagman on the track.
2. Drivers must use a seatbelt and shoulder harness when hooked to the sled. Helmet, long pants, long shirt and leather boots required.

Hitches:

1. Hitch height to be determined by promoter.
2. Hitch must work from the fifth wheel with the fifth wheel centered between center line of front axle to the center between the two axles.



#### Airbags:

1. The use of air bags is permitted. However no air may be added to or removed from the airbags while the truck is hooked to the weight transfer machine.
2. The height of the hitch must remain the same from start to finish. Any change in the hitch height will be cause for disqualification.

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#### Weight of Truck (22,000 lb. maximum)

1. The truck shall appear “road ready”.
2. No added weight or ballast is permitted.
3. Special trucks, such as oil field trucks that carry additional weight that is not normally found on a “road ready” truck are not permitted in this class.
4. The promoter may weigh any truck at any time.
5. Trucks with triple rear axles are not permitted to participate in this class.

#### Specialty Rules

1. Chaining or blocking of drive axles is not permitted.
2. A single turbo-charger is the maximum permitted. **Must be no larger than 80 mm.** Exception: a Factory 2006, 2007, 2008 Cat twin turbo engine is permitted with factory installed twin turbo set up and absolutely no modifications. Also NTC 475 Cummins factory twin turbo set ups are allowed.
3. Water injection in any form is not permitted.
4. 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.
5. Alteration/modification/replacement of the (OEM) original factory fuel pump is not permitted. No pump may be modified with Sigma parts. 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. Normal pump diesel is the only fuel permitted in this class.
6. Electronic engines must remain electronic. No mechanical fuel pumps permitted on electronic engines.



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## Stock Street Semi

20,000 pounds

Hook fee \$30.00

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### **Air Bags:**

The use of air bags is permitted. However no air may be added or removed from the air bags while the truck is hooked to the pulling sled. The height of the hitch must remain the same from start to finish of the pull. Any change in hitch height will be cause for disqualification. Chaining or blocking of drive axles is not permitted. Maximum air pressure in the suspension airbag will be limited to 100 psi be installing an air pressure regulator in the leveling valve air supply line. An air pressure gauge must be mounted at the regulator and in a visible location so track officials may check air pressure.

### **Ballast:**

Ballast is permitted truck frame & ballast cannot extend rearward beyond 42" from center of rear drive axle. Hanging weight in front is not permitted. Special trucks, such as oil field or any other truck that carry additional weight not normally found on road ready semis are not permitted. Final decisions res with the technical department.

### **Batteries:**

The Batteries must be securely mounted,. They may not be located in the driver compartment or forward of the radiator core support.

### **Body:**

Trucks must have a minimum of 66" inches from the center of the tandems to the first structural obstruction such as the bunk, headache rack, tool box, etc., this is the minimum swing clearance needed to pull a trailer.

### **Brakes:**

Six wheel air or hydraulic functional brakes are mandatory.

### **Clutch:**

Slipper clutches are allowed. Unless truck is equipped with a SFI approved flywheel & clutch assembly, engine bell housing must be shielded 360° with any one of the following: a SFI approved shield; SFI approved scatter blanket) securely fastened & overlapped at least 6"; or 1/2" thick steel securely fastened to truck frame & extending from the rear face of the engine block rearward to 2" past the engine bell housing. Reasonable allowance will be made for linkage openings, etc.

### **Computer Chips and Boxes:**

Use of these for engine performance is allowed. No traction control boxes permitted.

### **Credentials:**

All drivers must have a valid state driver's license and at least 16 years old, unless per approve

**Dress Code:**

Long sleeve shirt, long pants, leather boots and a helmet must be worn.

**Driver Restraint System:**

The OEM restraint system and shoulder harness is mandatory and must be worn when hooked to the sled.

**Engine:**

Engine must be stock appearing. Engine in the truck must have been available in a class 8 truck. Made in the USA only.

**Exhaust:**

All vehicles must be equipped to direct exhaust upward and away from fuel tanks. Two (2) 3/8 inch diameter bolts of grade 5 quality must be installed through exhaust pipe in across pattern within one (1) inch of each other and as close to the turbo as possible if mufflers have been removed. This will be teched. Bolt heads welded to the pipe or sheet metal screws to mimic this will be grounds for disqualification.

**Fire Extinguisher System:**

A fire extinguisher system is permitted, it must be securely mounted All vehicles must have at least a 2 ½ lb extinguisher with working gauge mounted within drivers reach.

**Fuel:**

Normal pump diesel, soy diesel is the only fuel permitted in the class. The diesel fuel must pass any and all fuel test administered by CWP. OEM factory fuel pumps only. No fuel pump may be modified with sigma parts. Cummins must have Cummins fuel pump, Detroit, Detroit fuel pump, CAT, CAT fuel pump, etc.

**Harmonic Balancer:**

All engines turning more than 4,500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.

**Hitch:**

The hitch must work from the 5th wheel with the 5th wheel centered between centerline or the front axle to the center of the two axles. All pullers must provide there own hitch that attaches to the 5th wheel. The hitch hole must be 3x 3 ¾ in size. The hitch height is 20" or less. Hitch will be measured with 100 psi in bags. Puller is responsible for supplying their own hitch.

**Intercoolers:**

Factory style or aftermarket air to air intercoolers are allowed. Water to air intercoolers are not allowed.

**Interior:**

A complete interior must be in place. Aftermarket seats a permitted. The OEM seatbelt restraint must be worn. After market gauges are allowed. All factory controls (lights, horn, signals, windows, wipers, etc.) must be retained and operative. The uses of hand throttles are prohibited.

**Kill Switches:**

All trucks are required to have kill switch located on the back of the truck, located near the hooking point. All trucks must have an air guillotine of the spring loaded type, no butterfly type to kill the air intake to the engine. Kill switch failure will result in disqualification.

**Nitrous Oxide:**

Nitrous Oxide is prohibited. No other oxygen extenders are allowed. All system components must be removed from the truck.

**Propane:**

Propane is prohibited. All system components must be removed from the truck unless for demonstration purposes only.

**Steering:**

The vehicle must retain the OEM steering gear and OEM power steering if equipped.

**Street Equipment:**

Complete headlight and taillights assemblies are mandatory. Complete OEM windshield and all other windows are mandatory. Must have a 4" back up light installed.

**Tires:**

The tires must be DOT street tires. No cut tires permitted.

**Transmission -**

Transmission must have been available in a class 8 truck. All transmissions or clutch pedals will have a safety interlock switch so that vehicle will not start in gear.

**Turbocharger):**

A single turbocharger of any size is permitted. Truck must have same turbo that came with the engine, no mix & matching. Exception: The factory 2006, 2007, 2008 CAT twin Tubes is permitted with the factory installed setup with no modifications. Also the Cummins NTC factory twin turbo setup is also allowed in factory installed setup with no modifications.

**U-Joint Shield:**

Scatter shield must be on all universal joints beyond the rear of the transmission. Scatter shield must be of a solid construction 5/16" thick steel minimum & a minimum of 6" long. Scatter shields are not required on the inferable driveshaft but must have 1/8" aluminum or steel plate secured on the frame over the inferable driveshaft.

**Wheelbase:**

Trucks with triple rear drive axles are not permitted, unless per approved



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## Hot Street Semi

20,000 pounds

Hook fee \$30.00

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### **Batteries:**

Must be securely mounted & remain on outside of frame rail, rearward of front axle. Battery is not permitted in driver compartment.

### **Brakes:**

Both drive axles must have working brakes. Parking brake chambers are required on both drive axles.

### **Body:**

Must appear as a stock truck & have all street equipment. Must have 4" back up light, OEM steering and stock interior.

### **Clutch:**

Unless equipped with SFI approved clutch/flywheel assemble. Engine bell housing must be shielded 360° with any one of the following; SRI approved scatter blanket securely fastened & at least 6" overlapped or 1/2" thick steel securely fastened to truck frame & extending from the rear face of the engine block rearward to 2" past the engine bell housing. Reasonable allowances will be made for linkage opening.

### **Dress Code:**

Long sleeve shirt, leather boots, pants and helmet is required. Fire suite is highly recommended.

### **Drive Restraint System:**

OEM restraint system & shoulder is mandatory.

### **Electric Engine Control:**

ECM must be factory with factory connections. All ECM controls from factory. Cummins engine must have Cummins ECM, CAT must have CAT ECM, Detroit must have Detroit ECM, etc.

### **Engine:**

Any engine is allowed but not to exceed V-8. 1271 Detroit at promoters discretion. Fan blade must be a fiberglass blade & be inside a heavy fiberglass shroud. Metal fan blades are allowed.

### **Exhaust:**

Exhaust must discharge vertically, no turn-out style pipe allowed. No through the hood exhaust stack. Two minimum 3/8" diameter, grade 5 bolts must be installed within 1" of each other. Must be installed after turbo at a 90° angle.

### **Fifth Wheel:**

Must be a working fifth wheel. The fifth wheel plate position will be no further forward than the center of the front axle & no further back then the center between the 2 axles.

### **Fire Extinguisher:**

All trucks must have a 2 1/2 lb. or larger dry powder or Haydon extinguisher within reach of driver.

### **Frame:**

May not extend rearward beyond 42" from center of rear axle.

**Fuel:**

Diesel fuel only. Fuel pump must be OEM factory fuel pump, no pump may be modified with sigma parts. No billet fuel pumps are allowed. No switching of manufacture pumps.

**Harmonic Balancer:**

Engine turning 4,500 RPM must have SFI approved or a 5/16" steel shield

**Hitch:**

Puller must supply their own hitch. Hitch must pull from a standard fifth wheel. Center line of rear axle to hook point must not be greater than 7'. Minimum of 66" of unobstructed area from the center of the fifth wheel forward to the first obstruction. Hitch must be capable to adjust to 20" or lower with suspension pull ready. Hook point must have a 3 1/2" hole.

**Kill Switch:**

All trucks are required to have a kill switch located on rear of truck at hook point. Must have air guillotine of a spring loaded type. No butterfly type kill switch. A minimum of 2" solid ring is required. Fuel kill is optional.

**Suspension:**

Air ride suspension must be equipped with chain or some type of limiting device on both drive axles to prevent the height of frame changing during the pull. Solid rear drive axle suspension permitted, front drive must be chained. Chains or limiting devices must be tight when the hitch is measured. Four short chains or cables from the side of the frame down to the axle housing. Chain or cable must be certified. No chain and binders going up over frame rail.

**Tires:**

Must have DOT approved tires, no cutting of tires permitted.

**Turbo:**

A single turbo charger is permitted with a maximum intake wheel inducer bore size of 4.100. Turbo size will be checked using a 4.150 plug. Turbo cannot be bushed down from a larger size. No oval shaped inducer bores. Compressor wheel must extend into the inducer bore a minimum of .125, factory style map width enhancement groove is permitted no other means for air to get into compressor wheel are permitted. Exception; factory 2006—2007, 2009 CAT and Cummins. NTC with factory twin turbo setup with no modifications.

**U-Joint:**

Scatter shield must be on all universal joints beyond the rear of the transmission. Scatter shield must be of a solid construction 5/16" thick steel minimum & minimum of 6" long. Scatter shield not required on the inter axle drive shaft provided the top of the frame between the rear is securely covered with a minimum of 1/8" aluminum or steel. One drive shaft loop must be installed on any drive shaft over 36" long, loop should be near the center of the shaft.

**Vehicle:**

Class is open to three axle truck tractors with tendon drive axle, driving steer axle's are not allowed. Truck must maintain "street ready" appearance. Vehicle does not need license or inspection, oil field trucks are not permitted in this class.

**Water Injection:**

Water injection is permitted, whole water injection system must be visible. Any combustible gas or liquid is not permitted to be injected, alcohol, NOS.

**Weight:**

Weight with driver may not exceed 20,000 lbs. All trucks will weigh, where capable. No hanging weight in front of vehicle. Extra ballast weight are permitted but cannot block hitch or extend rearward beyond 42" from center of rear drive axle.



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**See you on the track!**



*Any questions or comments,  
please contact:*

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