



P.O. Box 9

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*****Rules are subject to change ONLY for safety or insurance regulations. We would like to wish all of our competitors a safe and fun season. Please don't hesitate to contact us with any questions. Benefit pulls will also follow these guidelines.*****

Unlimited Street – This class was designed for trucks that run on the street who want to pull, but do not fit in another class. Please take note, the hitch height in this class is lowered in an attempt to prevent breakage to the street trucks. This will be a points and payout class for the 2017 Season.

1. 8500lbs Maximum weight.
2. All trucks/vehicles must be registered, tagged and insured.
3. All drivers must have a valid state driver's license and wear helmet during competition.
4. The body must be the OEM truck body, including the full bed floor. No flatbeds permitted. The body must retain full sheet metal, after-market hoods are permitted. The hood must be closed and securely latched while the vehicle is hooked to the sled. Complete working head light and tail light assemblies are mandatory.
5. Full interior from factory is a must. Full body panels required. If any aftermarket panels are installed, they must be commercially offered.
6. No front hanging weight. Hidden weight is allowed and must be secured. Weights may be hung in the bed, must be secured.
7. Must have factory driveline.
8. Turbo bolts are MANDATORY on any vehicles that have removed catalytic converter and/or muffler. Two - 3/8" bolts - mounted in a cross pattern no more than 1" apart as close to the turbine wheel as possible, no more than 6" from turbine wheel.
9. Hood stacks & hand throttles permitted.
10. No turbo limitations, big singles, compounds, twins, triples, etc. allowed.
11. *****If running nitrous, minimum of full single layer fire suit, full face helmet, and close toed shoes REQUIRED. A secured & up to date fire extinguisher in cab is required. It is the job of the competitor to notify tech officials of nitrous. Anyone running nitrous without proper equipment and/or notification to tech official will result in IMMEDIATE disqualification in any/all classes. No refund, no payout, no points will be accumulated.*****
12. Reese style hitch. Hook point must be no closer than 44" of centerline of rear axle, hitch height maximum of 20", with a minimum of a 3.75" X 3.0" opening. Hitch point must be easily accessed. No "trick" type hitches permitted. Hitch must be stationary in all



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directions. Hitch must be frame mounted. Hitch must be mounted centerline of rear axle or behind.

13. DOT tires mandatory, no cuts allowed.

Workstock Diesel - Workstock is designed for daily-driven pickups. Must be registered, tagged and insured. Trucks do not have to be driven in the gate but must be capable of driving on the street.

1. 8500lbs. Maximum weight
2. Hanging front weights are prohibited. Weight may be added in the bed of the truck, must be secured. No hidden weight allowed.
3. Must be the OEM truck body. The body must retain full sheet metal. Metal aftermarket hoods are permitted. Fiberglass hoods are permitted with a sheet metal or aluminum skin shield underneath of at least .060" thickness. The hood must be closed and securely latched while the vehicle is hooked to the sled. The complete OEM firewall and OEM floor pan is mandatory. A factory installed pickup bed or commercial style aftermarket bed must be installed.
4. Four-wheel hydraulic functional brakes are mandatory.
5. 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.
6. Radiators must be in the stock location and be at least stock size.
7. All drivers must have a valid state driver's license.
8. The OEM restraint system is mandatory and must be worn.
9. The engine is limited to a stock-appearing, OEM make-specific compression ignition engine. The engine block must have been available as a factory option on a one ton or smaller pickup truck. Blocks must circulate coolant freely. No hard filled blocks. Electric water pumps allowed. Electric cooling fans allowed. All other accessories must be powered by factory belting.
10. All vehicles must be equipped to direct exhaust upward or downward. The exhaust must exit rearward of the driver's compartment. No hood stacks or fender exhaust allowed. Turbo bolts are MANDATORY on any vehicles competing that have removed catalytic converter and/or muffler. Two - 3/8" bolts - mounted in a cross pattern no more than 1" apart as close to the turbine wheel as possible, no more than 6" from turbine wheel.
11. A working, up-to-date fire extinguisher is mandatory. An on-board fire suppression system is permitted.
12. The fuel must be pump #1 or #2 diesel only. Soy/Bio-diesel fuel is permitted. Off-road diesel fuel is prohibited. No injectables of any kind including but not limited to: Nitrous, Propane, Water Meth, etc. If systems are on truck, bottles must be removed and lines emptied.



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13. The fuel injection pump is limited to a stock-appearing, OEM engine model-specific pump only. The use of multiple 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 (ie: 6 cylinder pump on a 6 cylinder engine). Sigma or 12 cylinder pumps are prohibited.
14. The OEM fuel tank is mandatory and must be used. Racing fuel cells are prohibited and must be removed from the vehicle.
15. All engines turning 4500 RPM and higher must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1. This is for driver safety. Please comply as this is not a techable item.
16. 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. 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 height from the ground may not exceed 26 inches on 4wd units and 30 inches on 2wd units. The hooking point must have a minimum 3.750-inch inside diameter opening for the sled hook. The hooking point will be measured to the center of the clevis loop.
17. Factory style or aftermarket air-air coolers are permitted. Water-to-air coolers are prohibited. Any means of cooling the air before the engine, except the air-air cooler is prohibited.
18. A complete interior, including dashboard, door panels, headliner, etc. is mandatory. Two matching front seats are mandatory. Aftermarket seats are permitted; they must be fully upholstered.
19. 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 cap or shield.
20. The vehicle must retain the full, original OEM steering gear. The vehicle must retain the original OEM power steering assistance, if it was so equipped. Additional stabilizers are permitted. Non-OEM power assist methods are prohibited.
21. Complete headlight and tail light assemblies (all) are mandatory and must be operational. Complete OEM windshield and windows are mandatory.
22. 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 the 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 limit straps are permitted. Traction bars are permitted.
23. The rear suspension must maintain a minimum compression shock travel of one inch; compression stops must be adjustable. All rear suspensions must use at least one working shock absorber per wheel. Airbag spring assistance is permitted; airbag compressors must be disconnected.



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24. The tires must be DOT street tires. Cut tires are prohibited. Tire tread width must be no larger than 50" combined/total.
25. Tow vehicles are prohibited.
26. Non-OEM transfer cases are prohibited. The transfer case must have been an option on a one-ton or smaller pickup truck.
27. Non-OEM transmissions are prohibited. Aftermarket 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.
28. The turbocharger is limited to a stock-appearing, OEM/Factory make specific charger only. Turbochargers from different years in the same make may be interchanged, no adapters to accept other model turbo. 6.4 liter Powerstroke engines may utilize the factory twin-turbo configuration and must retain OEM turbos.
29. The vehicle must retain the original factory wheelbase and track width.

Modified Diesel (2.5)

1. 8000lbs Maximum weight.
2. Front hanging weight and hidden weight is permitted. No weights permitted in the cab of truck. Hanging weight must be no more than 60 in. from center of front axle.
3. Batteries must be securely mounted anywhere, but if in cab must be covered completely.
4. The body must be the OEM truck body including the full bed floor. The body must retain full sheet metal. Metal aftermarket hoods are permitted. Fiberglass hoods must be shielded on the underneath side with sheet metal or aluminum skin a minimum of .060 thickness. The hood must be closed and securely latched while the truck is hooked to the sled. The complete OEM firewall and complete OEM floor pan is mandatory. A factory installed pickup bed or commercial aftermarket bed must be installed. Flatbeds permitted.
5. Front wheel hydraulic brakes are mandatory and must be functional.



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6. OEM chassis is mandatory. The engine must be in the OEM location for the body used. Wheel tubs, back half conversions, tube chassis, etc. are prohibited.
7. Radiators must be in stock location and anti-freeze MUST circulate through the block and the head.
8. No injectables of any kind, including but not limited to: Nitrous, Water Meth, Propane, etc.
9. An OEM transmission and transfer case are mandatory. Must have been an option on a one ton or smaller pickup.
10. Any U joint that is visible from the side of the truck must be shielded to contain the U joint and end of the shaft. Recommended to be at least six inch wide u joint shields around the rear u joint constructed of at least ¼ 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.
11. The OEM restraint system is mandatory and must be worn.
12. The engine is limited to a stock appearing, OEM compression engine, available from the factory in a one ton or smaller pickup truck. Cubic inch limit of 444 CI. Water pumps may be electric or factory. Electric cooling fans are permitted. No deck plate motors allowed.
13. All vehicles must be equipped to direct exhaust upward. The exhaust must exit rearward of the driver's compartment. Stacks exiting through the hood or fender wells are prohibited. If the muffler or catalytic converter were changed from stock, turbo bolts are MANDATORY. Two (2) 3/8 inch diameter bolts must be installed through exhaust pipe in a cross pattern within one (1) inch of each other and as close to the turbo as practical.
14. A fire extinguisher system is permitted, it must be securely mounted. All vehicles are required to have at least a 2 ½ lb. extinguisher with working gauge securely mounted within drivers reach.
15. Fuel must be commercially available and be pump #1, #2 diesel, or Soy/Biodiesel. Fuel cells may be used in place of regular fuel tank. Can be mounted anywhere except the cab.
16. Fuel injection pump is limited to cylinder number specific (i.e. 6 cylinder pump on 6 cylinder motor). The use of multiple high pressure common rail fuel pumps or HPOPs are permitted. The P-pumps allowed are the p3000 and the p7100. Ag governors are allowed. No Sigma or 12 cylinder pumps allowed.
17. All engines turning more than 4500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.
18. Hitch must be a receiver style hitch, reinforcements are permitted. The hitch must be horizontal to the ground and stationary in all directions. Bumper may be notched or removed. The hitch height from the ground may not exceed 26 inches. The hooking point must have a minimum of 3 inch by 3 ¾ inch inside opening for the sled hook and may not go above the frame. The hooking point must be a minimum of 44 inches from the center of the rear axle to the hooking point. Hooking point is defined by where the hook lays on the hitch. May have drawbar type hitch. No part of the hitch can be above the frame rails. Drawbar angle must not exceed 25° angle from the pivot point to the hook point.



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19. Only air-air intercoolers permitted. No types of water- to-air coolers, no spray bars or water injection allowed. No individual runner intake manifolds allowed.
20. Interior may be stripped with just a driver's seat and a dash. Hand throttles are permitted.
21. All trucks are required to have kill switch located on the back of the truck, near the hooking point. Trucks with an electric injection fuel pump must have an electric shut off or disconnect for the injection pump on the back of the truck. Trucks with manual injection pumps must have an air guillotine of the spring loaded type, no butterfly type, to kill the air intake to the engine. Trucks MUST have a functioning kill switch.
22. OEM rear-end housings are mandatory. The rear end housings must have been option for a one ton or smaller pickup. Rear axle bolts must be covered by a cap or shield.
23. All drivers must wear a helmet, and a SFI 3.2a approved fire jacket and long pants, not necessarily fire suit pants.
24. The vehicle must retain the full original OEM steering gear box. Additional stabilizers are permitted. Non OEM power assist methods are permitted.
25. The factory suspension configuration must be retained. The upper mounting point for strut assemblies must be in factory location. Adjustable caster/camber pillow ball mounts are permitted. The lower control arm may be strengthened provided factory mounting points are maintained. The lower mounting point for the strut assembly may be modified for improved caster and camber. Strut tower braces, lower tie bars, sway bars, and limit straps are permitted. Air shocks are prohibited. Must be an OEM front end housing. An OEM style rear end is mandatory. Traction bars and devices are permitted, and welds are permitted for attachment to the frame or axle housing. The rear suspension may be solid. Air bags are permitted, on board compressors must be disconnected.
26. Tires must be DOT street tires. 35" inch maximum tire height. Cut tires are prohibited. No chains, studs or alterations to tires are permitted.
27. Non - OEM transfer cases are prohibited. It must have been an option on a one ton or smaller pick-up truck. Non - OEM transmissions are prohibited. Aftermarket torque converters, valve bodies and internal components are permitted. Transmission brakes are prohibited. Any non - OEM floor mounted automatic shifter must be equipped with a spring-loaded positive reverse lockout device to prevent the shifter from accidentally being put into reverse. A functional neutral safety switch is mandatory. Vehicle must not start in gear. 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 engine block and extend rearward to the transmission with a minimum of six (6) inch overlap where it is fastened. All non-blanket shields must incorporate two (or one per manufacturer's instruction) 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



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vehicles with 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. All trucks with manual transmissions must use a clutch meeting minimum SFI Spec 1.1 or 2.1. 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 blankets that completely cover the bell housing. It must be attached to the rear of the engine block and extend rearward to the transmission with a minimum of six (6) inch overlap where it is fastened. All transmissions or clutch pedals will have a safety interlock switch so that vehicle will not start in gear.

28. **Turbo Chargers.** Trucks may utilize any turbo configuration described below. Any charger questions need to be taken up with tech officials in writing PRIOR to an event. Tech discretion is FINAL. All turbos will be plugged prior to event. The driver will be responsible for making turbo accessible for tech personnel to measure and inspect. If you have any questions regarding turbo rule contact: info@smokeandspeed.com
- a. Large Frame 2.5 Chargers: turbocharger may be a s400 true bore 2.5 charger with a T-4 mounting flange, is the largest allowed. No clipped wheels or step down covers. The wheel must protrude into the 2.5 bore 1/8 inch. Throat area of compressor cover may not exceed 5.5 inch diameter. Billet compressor wheels are allowed. All air must go through the 2.5 inducer bore and the MWE groove. Turbo will be checked with a 2.550 plug or internal calipers.
 - b. Small Frame 2.5 Charger: Using a single small frame (S300, GT4094, HX40 or smaller) turbocharger, the compressor inducer being 2.5" in diameter. Bushings are permitted but must be non-removable, the bushing must maintain a 2.5" diameter for at least 0.250" in front of the compressor wheel, and may be no farther than 0.175" from the face of the compressor wheel at any point. A map width enhancement (MWE) groove is allowed in the original location with a maximum width no greater than 0.200" at any point, any provision allowing air into the wheel other than via the bore and MWE groove is prohibited. Billet compressor wheels are allowed. All air must go through the 2.5 inducer bore and the MWE groove. Turbo will be checked with a 2.550 plug or internal calipers.
 - c. 2.6 Smooth Bore Charger: Smooth faced intake housing, limited to a 2.6" inlet – no map ring – with all air entering through the 2.6" opening. Intake wheel must protrude 1/8th inch inside of opening. S-400 and GT 42 and turbo of this type is the largest turbo allowed. T-4 mounting flange is the largest allowed. Billet compressor wheels are allowed. Covers will be plugged from the back side to verify that where the wheel protrudes it is a maximum of 2.6". Turbo checked with a 2.605" plug.



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- d. Ford 6.4L Power Stroke engines may utilize the factory compound turbo configuration in OEM stock form only (2.59") atmosphere inducer. Aftermarket exhaust manifolds are permitted with a flange dimension no larger than T4 (3.500 x 2.750").
29. Water injection is prohibited. All system components must be removed from truck.
30. Vehicle must retain the original factory wheel base and track width. Cab and chassis trucks may not exceed 172 inches center to center of axles. Front dual-wheel spacers may be used only with accompanying positive-offset dually style wheels.

Pro Diesel (2.6MWE/3.0SB Class)

1. Pulling vehicle may be two or four-wheel drive. Top five trucks may be held at the end of track in a holding area for post pull inspections. All drivers must have a valid state driver's license.
2. 8000lbs. Maximum weight.
3. Hidden weight is permitted. Hanging weights may not extend more than 60 inches from the centerline of the front axle.
4. Batteries must be securely mounted. They may not be located in the driver compartment or forward of weight bar. If not in stock OEM location must be in an approved battery box and have a master disconnect switch that is easily accessible and clearly marked.
5. The body must be an OEM truck body, including the full bed floor. The body and truck bed must retain full factory sheet metal. Metal aftermarket hoods are permitted. Fiberglass is prohibited. The hood must be closed and securely latched while the vehicle is hooked to the sled. The complete OEM firewall and complete OEM floor pan is mandatory. No Flat Beds. A truck that has a "Modified" OEM Frame/Body is limited to 158" wheelbase. The modifications must use all OEM parts for modification.
6. Front brakes are mandatory.
7. 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.
8. Cooling System is optional.
9. Open Drive Line is permitted regardless of turbo configuration chosen.
10. OEM restraint system is mandatory and must be worn.



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11. All trucks must have a minimum of 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.
12. The engine block must have been available as a factory option on a one-ton or smaller pickup. Filled block allowed. No billet aluminum or billet steel blocks/heads. Aftermarket radiator assemblies are permitted, but must be securely mounted in the same area as the OEM unit.
13. SFI approved Fire jacket, long pants and leather shoes are required for all drivers.
14. A motor sport type helmet is required.
15. No injectables of any kind, including but not limited to: Nitrous, Water Meth, Propane, etc. All system components MUST be removed.
16. All vehicles must be equipped to direct exhaust upward including stock exhaust systems. Hood stacks are permitted. Two 3/8 inch diameter 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 if competing at more than 2 events per year. Hood stack exhaust must be at least 6" above closed position of the hood.
17. A fire extinguisher system is permitted. It must be securely mounted.
18. Fuel must be pump #1/#2 diesel only; Soy/Bio-diesel fuel is permitted. All fuel must be commercially available. The fuel tank must be in the O.E.M location or in an approved racing type fuel cell mounted and properly secured. If the fuel cell is installed in another location a ball valve that is clearly marked and easily accessible is required. The fuel cell may not be in front of the weight bar or anywhere in the driver's compartment.
19. The fuel injection pump is limited to a stock-appearing, OEM engine make-specific pump only. Dual high-pressure common-rail fuel pumps or HPOPs are permitted. Maximum size of a P7100 of pump. One plunger per cylinder, no Sigma, Billet or re-cast pumps.
20. All engines turning 4500 RPM and higher must be equipped with a harmonic balancer or damper meeting SFI Spec 18.1.
21. Ice water intercoolers are permitted.
22. Hitch reinforcements are permitted. Any hitch attachments/bracing must be from frame down not from axle up. Reinforcements must not extend forward of the centerline of the rear axle. Hook point may be no closer than 44" inches of centerline of rear axle. Trick hitches are prohibited. The hitch must be stationary in all directions. Bumpers may be notched or removed. The hitch height from the ground may not exceed 26" and must be



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- adjustable to 24” on 4wd units. Hitch height may not exceed 30” and must be adjustable to 28” on 2wd units. The hooking point must have a minimum 3.750-inch inside diameter opening for the sled hook. The hooking point will be measured to the rear of the opening in the clevis/hook loop. Hooking point (i.e. where the hook drops) must be parallel to the ground. Final decision of legality of all hitches resides with the head tech official.
23. A single aftermarket seat is permitted but must be equipped with a safety restraint system.
 24. The vehicle must retain the full, original OEM steering gear. Additional stabilizers are permitted. May use hydraulic steering but must be able to have control in case of hydraulic failure.
 25. Complete OEM windshield and windows are mandatory. No Lexan, etc. permitted. Windows must be operative per factory specifications; that is, they must open and close via OEM electrical or mechanical means. Driver’s window must be completely rolled up while competing. Other windows on truck may be lowered.
 26. 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 limit straps are permitted. Traction bars and devices are permitted.
 27. Rear end must be in OEM factory location. Must use factory mounting points. Traction bars and devices are permitted. Control arms may be strengthened or replaced, provided all original mounting points are retained. Strut tower braces, lower tie bars, sway bars, limit straps, and camber kits are permitted. The rear suspension may be bolted/welded solid to eliminate travel. Air bags/shocks are permitted but must have all lines/compressor disconnected.
 28. The vehicle must retain the original unaltered factory wheelbase and track width. Front dual-wheel spacers may be used only with accompanying positive-offset dually style wheels. A truck that has “Modified” their OEM Frame/Body is limited to 158” wheelbase. The modifications must use all OEM parts for modification.
 29. The tires must be DOT street tires. Cut tires are prohibited.
 30. The use of a hand throttle is allowed. All throttles will have a dead man throttle that will automatically return to a closed position. Throttles will work in a forward to reverse motion, forward being open. Two springs will be required on the hand throttle and one spring on the fuel injection pump.



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31. Turbocharger: The vehicle is limited to a single turbocharger; the inducer bore on the compressor housing may be
- a. 2.6". The inlet will be measured using a 2.65-inch plug or internal calipers. Bushing from any larger turbo size down to a 2.6 turbo is PROHIBITED. A stock map width enhancement (MWE) groove is allowed. No MWE groove will be allowed that has a width greater than 1/4 inch. The 2.6" bore must be within 2" of the compressor wheel tips. All provisions allowing air to the wheel other than via the bore and the MWE groove are prohibited. 6.4 liter Powerstroke engines may utilize the factory twin-turbo configuration.
 - b. 3.0" smooth bore turbo will be permitted, must be a smooth faced intake housing, limited to a 3.0" inlet, (no map ring) with all air entering through the 3.0" intake opening. Intake wheel must protrude 1/8th inch inside of opening.