

DIESEL 2.5 TRUCKS

Pickett Steam Club And Pickett Pullers

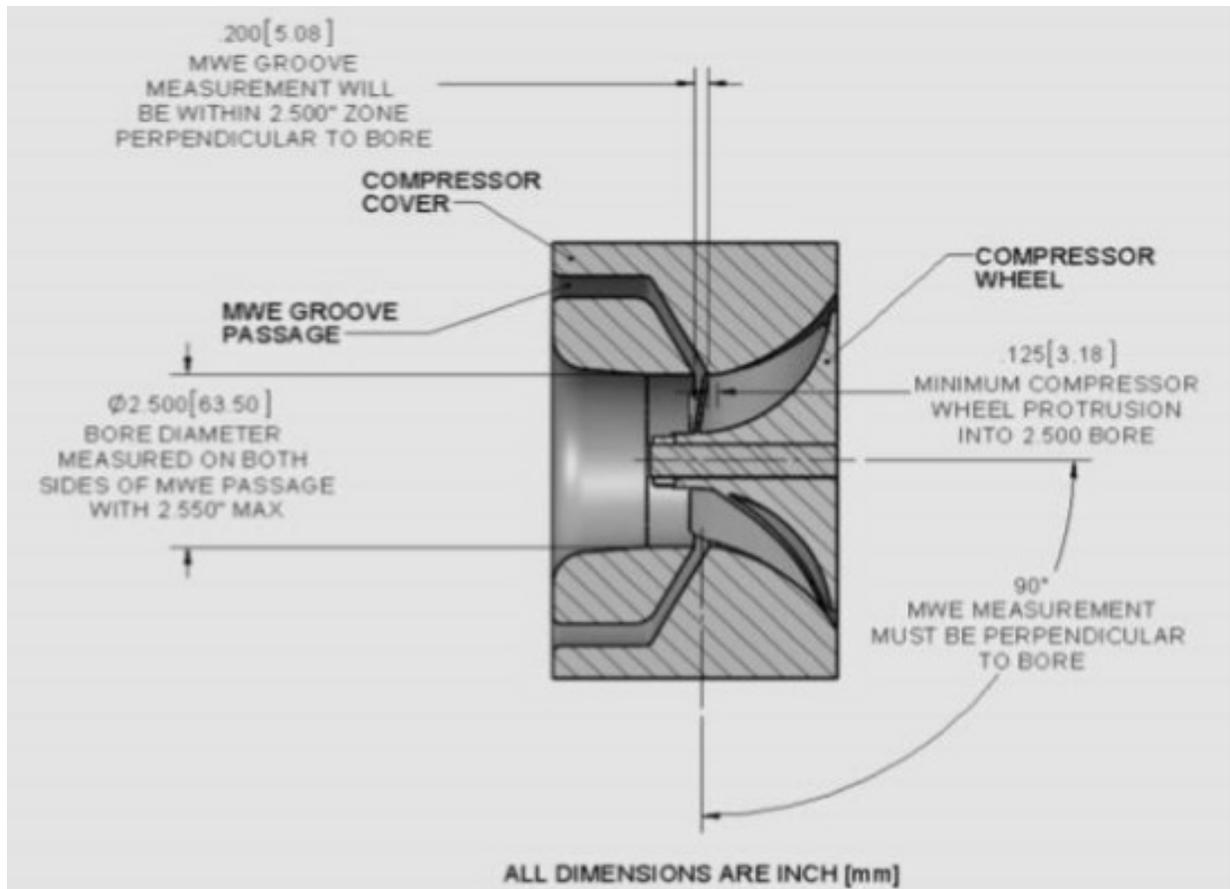
BODY:

1. 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 and roll pans only are permitted. All fiberglass hoods must be shielded on the underneath side with sheet metal or aluminum skin a minimum of .060 thick. 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 style aftermarket bed must be installed.
2. 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. All factory controls, lights, windows, signals, wipers, etc., must be retained and in working order. The use of hand -throttles is permitted. After market gauges are allowed.
3. Complete headlight and taillights assemblies are mandatory and must be operative, except the right front headlight may be removed for air inlet to engine. Complete OEM windshield and all other windows are mandatory. Windows must be able to operate per factory specifications. They must open and close via electrical or mechanical means.

ENGINE:

1. Batteries must be in stock location.
2. Radiators must be in stock location and be of at least stock size.
3. The engine block must have been available as a factory option on a one ton or smaller pickup truck. Cubic inch limit of 444CI. Blocks must circulate coolant freely. No hard filled blocks. Water pumps may be factory or electric powered. All factory belt driven accessories, excluding the air conditioning compressor, must be retained and powered via the crankshaft by a standard serpentine or "V" belt. Electric cooling fans are permitted.
4. All trucks must be equipped to direct exhaust upward. Two 3/8 diameter bots must be installed through exhaust pipe in a cross pattern within 1 inch of each other.
5. Fuel must be pump #1, #2 diesel or Soy/Biodiesel. Fuel must be commercially available. No additive.
6. The fuel injection pump is limited to cylinder number specific (I.e. 6 cylinder pump on a 6 cylinder motor). Dual high pressure common rail fuel pumps or HPOPs are allowed. Ag governors permitted. No Sigma or 12 cylinder pumps allowed.
7. All engines turning more than 4500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.
8. Factory style or aftermarket air-to-air coolers allowed. No types of water to air coolers or spray bars allowed.
9. Kill switches are strongly recommended.
10. Nitrous Oxide is prohibited. No other oxygen extenders are allowed. All system components must be removed from the truck.
11. Propane is prohibited. All system components must be removed from the truck.
12. Water injection is prohibited. All system components must be removed from truck.
13. Turbocharger: T4 mounting flange is the largest allowed. Turbos must be a true 2.5 charger. No clipped wheels or step down covers. Billet compressor wheels are allowed. A single, 200 inch MWE groove is the maximum allowed. It must be in the neck of the inducer bore behind face of the wheel in the measured 2.5" area. Forward facing MWE grooves are not allowed. Inducer

bore must be non-removable. All air must go through the 2.5 inducer bore and the .200" MWE groove. The bore must be 2.500" on both sides of the .200 wide MWE groove. The wheel must protrude into the 2.5 bore 1/8 inch. Turbo will be checked with a 2.550 plug or internal calipers. The 6.4 Power Stroke engine may utilize the factory twin turbo configuration with factory cast wheels. The driver will be responsible for making turbo accessible for tech personnel to measure and inspect. In general: a. 2.5" bore (measured with a 2.550" plug) before and after the MWE b. All air must enter the 2,5" bore and/or the 0.200 MWE c. Wheel must protrude 1/8" into the 2.5" bore d. MWE must be a factory style, perpendicular to the turbo shaft entry into the 2.5" bore portion of the charger.. See photo below:



DRIVE:

1. Four wheel hydraulic functional brakes are mandatory.
2. The OEM chassis is mandatory. The engine must be in the OEM location for the body used. The vehicle must retain the OEM chassis. Wheel tubs, back half conversions, tube conversions, etc., are prohibited.
3. An OEM transmission and transfer case are mandatory. They must have been an option on a one ton or smaller pickup.
4. Non OEM rear-end housings are prohibited. The rear end housings must have been for a one ton or smaller pickup. Outer rear axle bolts must be covered with a cap or shield.
5. The vehicle must retain the full, original OEM steering gear. The vehicle must retain the original OEM power assistance, if it was so equipped. Additional stabilizers are permitted. Non OEM power assist methods are prohibited.

6. The factory suspension configuration must be retained. Modifications to the front suspension that would alter the original location (i.e. moving it forward or backward) are not permitted. Strut tower braces, lower tie bars, sway bars, and limit straps are permitted. Traction bars and devices are permitted. Air shocks are prohibited.
7. An OEM style suspension is mandatory. Traction bars and devices are permitted, they must be bolt on only, and welds are permitted for attachment to the frame or axle housing. Traction bars if installed must have a chain or cable or some type of safety device mounted one (1) foot from the front support to catch the bar in case of failure. Control arms may be strengthened or replaced, providing all original mounting points are retained and used. Sway bars, lower tie bars, limit straps, and camber kits are permitted. The rear suspension may be solid with a removable block. Air bag spring assist and air shocks are prohibited.
8. Non - OEM transfer cases are prohibited. It must have been an option on a one ton or smaller pick-up truck.
9. Transmission- Automatic: 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 flex plate meeting SFI Spec 29.1 if turning more than 4500 RPM. A blow proof transmission blanket is recommended.
10. Transmission-Manual: Non - OEM transmissions are prohibited. Aftermarket internal components are permitted. A clutch meeting minimum SFI Spec 1.1 or 2.1 is mandatory on all engines if turning more than 4500 RPM. All manual transmissions must be clutch assisted. Sequential shifters are prohibited. All transmissions or clutch pedals will have a safety interlock switch so that vehicle will not start in gear. A blow proof transmission blanket is recommended.
11. The vehicle must retain the original factory wheel base and track width. Factory duals are allowed only with factory spec tires.
12. All visible u-joints are strongly recommended to be shielded.

HITCH:

1. The hitch must be a receiver- style hitch. Reinforcements are permitted. Reinforcements must not extend forward of the center line of the rear axle and must remain inside the frame rails. 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. Bumper may be notched or removed. The hitch's 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. The hooking point must be a minimum of 44 inches from the center of the rear axle, to the end of the hole where the hook touches metal to be pulled from, this is the hooking point.

WEIGHT:

1. 8,000lb maximum, with driver.
2. Ballast is permitted. Front hanging weights are allowed, not to exceed 60 inches forward of the center of the front axle. This will be measured from center of front axle to end of weight assembly. Ballast may be added in the bed of the truck but must be secured. No weight inside of the cab.

TIRES:

1. The tires must be DOT street tires. Cut tires are prohibited. 35x12.50 maximum Factory dually trucks are allowed but must be STOCK size tires for that year and model. No bolt-on duals allowed.

MISCELLANEOUS:

1. Helmet and a SFI 3.2a approved fire jacket are strongly recommended