

# 4WD LIMITED PRO DIESEL CLASS REQUIREMENTS

DATE MODIFIED: 02/2018

1. Maximum weight: 8000 lbs (7900 lbs for ice allowance at scales)
2. Trucks must remain stock appearing. Must have full size steel or OEM type body, including the complete floor pan and must retain complete OEM firewall. Bed must be covered. No flatbeds allowed. The body must remain full sheet metal, aftermarket steel hoods are permitted. The hood must be closed and securely latched while hooked to the sled.
3. Maximum engine size will be 460 cubic inch. Engines must come from factory in one ton or smaller diesel pickup. Engine must remain in stock location as intended by manufacture. No aftermarket blocks permitted.
4. Front of engine block can be no farther forward than 17" of center line of front axle.
5. Hook point must be no closer than 44" of center line of rear axle, hitch height maximum of 26", 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 directions. Hitch must be mounted center line of rear axle or behind. Hitch must not exceed a maximum of 25 degree angle from pivot point to hook point.
6. The turbo charger is smooth faced intake housing, limited to a 3.0 inch inlet, (no map ring) with all air entering through the 3.0 inch opening. Intake wheel must protrude 1/8" inside of the opening.
7. Exhausted must exit straight up, with (2) 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.
8. No cast iron clutches or fly wheels permitted.
9. Kill switch: Rain cap or guillotine must shut off air to the diesel motor. Switch must be securely mounted to the back of the vehicle and have a 2" diameter ring to attach to the sled.
10. No fuel lines or tanks permitted inside the truck cab unless securely mounted in marine box.
11. Computer chips and boxes permitted.
12. Fuel systems: Largest fuel injection pump allowed will be P-pump with only one plunger per cylinder. (No Sigma pumps). The use of multiple high pressure common rail fuel pumps is legal.
13. Must be DOT approved tire. Maximum tire height 35". No studded tires or chains. No alterations to tire allowed. Dual rear wheels are permitted.
14. Water injection permitted.
15. Front weight must be no more than 60" from the center line of the front axle to forward point and be securely fastened. No weights are allowed in cab of truck if in bed of truck they are to be securely fastened to the bed of the truck.

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16. Fuel limited to diesel fuel and bio diesel only. NO alcohol, nitrous, propane or any oxygen enhancing agents allowed.

17. a.) Drive train will consist of the following: Any front axle, any transfer case, and any rear axle. No planetaries permitted.

b.) OEM chassis only, no tube chassis permitted.

18. Axle shields are required. shield to be .060" thickness steel or aluminum. shield not to be mounted to axles ends or hub bolts. A hole may be cut in one to allow locking in of hubs.

19. SFI bell housing blankets and/or SFI blow proof bell housing required.

20. All u-joints must be shielded 360 degree with 3/8" thick aluminum or 5/16" thick steel. Shield will be 6" ling minimum and centered on u-joint. Inside diameter of shield will be no more than 2 inches larger than u-joint.

21. All intermediate shafts between the transmission and transfer case will be totally enclosed in 3/8" aluminum or 5/16" steel. 1/4 of shaft may be visible.

22. Suspension modifications are permitted. Removable suspension blocks are permitted.

23. Fire extinguishers, helmets Snell 85 or better, SFI fire suits, shoes and seat belts required.

24. Maximum wheelbase 158" and 102" maximum track width (outside tire to outside tire).

ALL GENERAL RULES APPLY