

# Limited Pro Diesel (3.0SB) 4X4 TRUCKS

Adopted: December 18, 2020

PPL Rules

The rules promulgated in these rules are intended as guidelines for the sport of Diesel 4x4 truck pulling. These rules have been adopted by Full Pull Productions, Inc. for the 2021 season. Nothing herein should be construed as a guarantee against injury or death to participants, crewmen, family members, bystanders or spectators. Each participant at a Full Pull Productions' pulling event must assure that their equipment and replacement equipment throughout the season meets the requirements for this class.

**Credentials:** The vehicle may be two or four-wheel drive. Pulling vehicles may be held for post competition tech inspection. Failure to abide may result in a DQ. Top five trucks may be held at the end of track in a holding area for post pull inspections. It is the driver's responsibility to be aware of their placing and be in present with the truck post inspecting area.

1. Maximum weight 8000lbs. (Dry weight 7900# for ice allowance at scales.)
2. The OEM chassis is mandatory. The vehicle must retain a full  $\frac{3}{4}$  or 1-ton size chassis. Wheel tubs, back-half conversions, tube chassis prohibited. Maximum wheelbase 158" and 102" maximum width. (outside tire to outside tire). Rigid suspension allowed. Hydraulic steering permitted. (Intent= no Isuzu or compact diesel chassis)
3. The body must be an OEM truck body, including full metallic floor pan and must retain complete OEM firewall. Beds must be covered. No flatbeds permitted. The body must retain full metal, aftermarket steel hoods are permitted. The must be closed and securely latched while hooked to the sled.
4. Maximum engine size will be 460 cubic inch. Engines must come from the factory in one ton or smaller diesel pickup trucks. Engine must remain in stock location as intended by the manufacturer. Engines may be interchanged between manufacturers. a. No aftermarket blocks permitted b. Head must be an OEM or OEM one piece cast replica for that brand engine. No billet heads of any material. Outside dimensions of cylinder head must measure factory width and length. Head must retain OEM valve angle.
5. Front of the engine block can be no further forward than 17" of the centerline of the front axle.
6. Engine must have a cable surrounding the block and head. Cable must be minimum  $\frac{3}{8}$ " diameter located between cylinders #1 and #2. Cable must pass thru manifolds. Cable will have 4-6" of slack with a minimum of 4 cable clamps at splice.
7. All engines will have a deflection shield, running the complete length of the block casting. Shield must be securely fastened and must be .060" thick. (This equates to a steel inner fender)
8. 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 frame mounted. Hitch must be mounted center line of rear axle or behind. Hitch must not exceed a maximum of 25° angle from

- pivot point to hook point. Drawbar height adjustment link if attached to rear differential housing the attaching point must be at axle centerline or below. The drawbar adjusters cannot attach to anything above centerline of the rear axle. The adjusters must go down from drawbar. The adjusters can only go straight downward vertically or towards rear differential housing. No slotting of holes for adjuster attachment. No hitch supports or adjusters fastened to the rear axle housing shall be above the centerline of the rear axle. Pivot pin of the drawbar can be no further forward than the centerline of the rear axle.
9. The turbocharger is smooth faced intake housing, limited to a maximum of 3.0" inlet, (no map ring) with all air entering through the 3.0" opening. Intake wheel must protrude 1/8th inch inside of the opening.
  10. Exhaust 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" away from the turbine wheel.
  11. Intercoolers allowed. Dumping or draining intercoolers without a catch pan within 100 feet of the competition track is prohibited.
  12. Water injection is prohibited. All components must be removed from the truck.
  13. Air shut off must have a cable that goes to the rear of the truck operated by the sled operator and also one to the cab of the truck. Kill switch will be securely mounted to the back of the vehicle and have a two (2) inch diameter metallic ring to attach the sled.
  14. Fuel Systems: Maximum of one P7100 pump (2 5/8"W x 9 9/16"L x 8 3/16"H main pump body), limited to one plunger per cylinder. The use of multiple high pressure common rail fuel pumps is allowed. Ford Powerstroke engine may utilize a second HPOP. Electronic fuel injection is permitted. A 3-way dump valve mounted before the injection pump is mandatory which can be operated by the driver while strapped in the seat.
  15. No fuel lines or tanks permitted inside of a truck cab unless securely mounted in a marine box.
  16. Fuel limited to diesel fuel. No alcohol, nitrous, propane or any oxygen enhancing agents allowed.
  17. Must run DOT approved tires. Maximum tire height 35", no studded tires or chains. No alteration to DOT tires 52 allowed. Dual rear wheels are permitted on the rear axle only. Maximum of 6 tires.
  18. Front weights must be no more than 60" from the centerline of the front axle to forward most points and be securely fastened. No weights are allowed in the cab of the truck. If weights are located in the bed of the truck they are to be securely fastened to the bed of the truck.
  19. Drive train will consist of the following: Any front axle, any transfer case and any rear axle. No planetaries permitted.
  20. Axle shields are required. Shield to be .060" thickness steel or aluminium. Shield not to be mounted to axle ends or hub bolts. A hole may be cut in one to allow locking in of hubs.
  21. No cast iron clutches or flywheels permitted, must be SFI approved. Trucks with automatic transmissions, refer to General Rules.
  22. SFI bellhousing blankets and/or SFI blow proof bellhousing required.

23. All U-joints must be shielded 360 degrees with 3/8" thick aluminium w/1/8" steel liner or 5/16" thick steel. Shield will be 6 inches long minimum and centered on the u-joint. Inside diameter of the shield will be no more than 2 inches larger than u-joint.
24. All intermediate shafts between the transmission and transfer case will be totally enclosed in 3/8" aluminium or 5/16" steel, 1/4" of shaft may be visible.
25. Fire extinguisher (2.5#) or fire suppression system, Helmets-Snell 90 or better, SFI fire suits, head sock, gloves, shoes, and seat belts required.
26. No traction control permitted.
27. . All other rules may be found in 4X4 Truck and General Rule sections.

## **Pro Street Diesel (2.6SB) 4X4 TRUCKS**

Adopted: December 18, 2021

PPL 2.6 Smooth Bore Rules

The rules promulgated in these rules are intended as guidelines for the sport of Street Licensed Diesel 4x4 truck pulling. These rules have been adopted by Full Pull Productions, Inc. for the 2021 season. Nothing herein should be construed as a guarantee against injury or death to participants, crewmen, family members, bystanders or spectators. Each participant at a Full Pull Productions' pulling event must assure that their equipment and replacement equipment throughout the season meets the requirements for this class.

***This is Diesel only fuel class is designed for pickup trucks with a wide variety of performance upgrades that may be driven or hauled to the pull***

**Credentials:** The vehicle may be two or four-wheel drive. Pulling vehicles may be held for post competition tech inspection. Failure to abide may result in a DQ. Top five trucks may be held at the end of track in a holding area for post pull inspections. It is the driver's responsibility to be aware of their placing and be in present with the truck post inspecting area.

### REGULATIONS:

1. Maximum weight 8000#
2. OEM Chassis is mandatory. The vehicle must retain the full OEM chassis. Wheel tubs, back half conversions and tube chassis are prohibited. Lengthening of frame allowed up to 158". Longer trucks (158"-172") must maintain OEM measurements for the body being used.
- 3.. The body must be an OEM truck body including the full bed floor. No flatbeds permitted. The body must retain the full sheet metal. Aftermarket hoods permitted. The hood must be closed and securely latched when hooked to sled.
4. Maximum cubic inch 460. Engine must be in OEM locations for the body used. No aftermarket blocks permitted. Engine must have 3/8 cable surrounding #1 and #2 cylinders and must pass through the manifolds. 2 cables 60 at splice with 4-6 inches of slack.