

## TTPA 8000 lbs. Street Diesel Truck Pulling Rules

**(Rules will be in place for 2012 season.)**

- 1) These rules are in effect for two (2) years. TTPA reserves the right to adjust rules for fair play throughout the year. All general & safety rules apply.
- 2) All competing pickup trucks must:
  - a) Drivers entering vehicles in this class do so at their own risk.
  - b) All drivers must be at least 16 years of age.
  - c) Seat belts must be worn while hooked to the sled.
  - d) Driver may not leave vehicle with engine running.
  - e) If the TTPA rules do not address something you want, do not assume you can make changes or additions. You will be DQ'D! Ask Permission first!
- 3) Tire guidelines:
  - a) Tires must carry D.O.T. numbers on sidewalls.
  - b) Tire height may not exceed 35".
  - c) Tires may not be filled with any ballast.
  - d) Dual rear wheels are permitted.
  - e) No terra tires allowed.
- 4) Weight class is 8000 lbs. Total weight of vehicle + driver = 8000 lbs. Max.
- 5) Hitch Guidelines:
  - a) Hitch point may not be more that 26" from ground.
  - b) Hitch point may be easily accessible.
  - c) Hitch must be stationary in all directions.
  - d) Hook point must extend to the past the furthest rear of the truck, including the rear bumper.
  - e) Must be below the top of the frame rails.
  - f) Pulling point must be no further forward than centerline of the rear axle.
  - g) Maximum distance to top of hitch at hook point will be 26 inches.
  - h) No cables or chains allowed.
  - i) Drawbar must be equipped with steel hitch no less than one inch thick with a opening of 3W"x 3-5/8" - 3-3/4"L and so that the Sled Hook will drop in and swing front to back without contacting any other metal. Hitch needs front catch tab. Refer to current hitch drawing.
  - j) Drawbar distance cannot change during the pull.
  - k) Must have 2 one-inch high vertical tabs installed on the axle centerline of front and rear axles, used for tape measurement.

## 6) Engine Guidelines:

- a) All engine blocks must have been manufactured or available as factory option on standard 1-ton or smaller pick-up trucks.
- b) Engines swaps between manufacturers are permitted.
- c) No aluminum engine block or heads are permitted unless OEM.
- d) Diesel Fuel and Bio Diesel only.
- e) Absolutely no propane, alcohol, nitrous oxide, or other oxygen extenders.
- f) No water injection.
- g) The vehicle is limited to a single turbocharger; the inducer bore on the compressor housing may be no larger than 2.850" measured at the smallest diameter area of the compressor wheel. A bushing may be used to down size the compressor housing ahead of the wheel. If a bushing is used, it must be round, at least 3/4" long, mounted within 0.050" of compressor wheel, and the inside diameter of the bushing may not exceed the 2.850" limit. A stock map width enhancement (MWE) groove is allowed. No MWE groove will be allowed that has a width greater than 1/4". All provisions allowing air to the wheel other than via the bore and the MWE groove are prohibited. Chargers will be tech checked. (Note) Turbo / Charger rules will be reviewed for changes after the 2008 season.
- h) Motor must be in stock location. (Does not apply to letter (b) above.)
- i) Exhaust pipe discharge must exit up. Two 3/8" diameter bolts must be placed through the exhaust pipe in a cross pattern with one inch of each other as close to the turbo as practical.
- j) No stroker motors. (Engine bore allowed up to .040 over bore max.)
  - 1. All TTPA Members over 3500 RPM's will be pump checked & tagged.

## 7) Transmission and Axles:

- a) Transmission, axle and radiator must be in stock location.
- b) After market transmissions or transfer cases are not permitted.
- c) Rear leaf springs may be solid blocked.
- d) Ladder bars are allowed.
- e) Trans blanket or Bell Housing with safety clutches are required on vehicles that exceed 3500 RPM's. (It is up to the driver to prove.)
  - 1. Must be SFI approved.
  - 2. To be SFI approved, as many bolts as possible, must be in place around the bell housing. There must be a minimum of 4 bolt around the bottom and all bolts around the top.
- f) Vehicle width must not exceed 102" wide outside to outside.
- g) Rear Leaf Springs must be pickup type 3' minimum with 3 leafs, function when solid block is removed.
- h) Front suspension ~ OEM type suspension only, No hydraulic, No pneumatic, No electric adjustable suspension.

## 8) Safety rules:

- a) Each drive shaft must have a minimum of two (2) loops.

- b) If the pickup has a shaft between transmission and transfer case, no longer than 24", then one (1) loop, properly centered will suffice.
  - c) Loop material shall be made minimum of 5/16" steel or 3/8" aluminum, no less than 1" long loop.
  - d) Loop location to be no closer than 6" or no further than 12" from each u-joint.
  - e) Maximum shaft clearance to be 2" horizontally and 8" both ways vertical.
  - f) U-joints must be enclosed by a 360° shield, 1/4" steel or 3/8" aluminum at least 8" long center mounted around u-joint.
  - g) Must use at least grade 5, 3/8" bolts to attach driveline safety shields. If two piece shields are used, the tabs for the bolts can be no further apart than 6".
  - h) A kill switch is required on all trucks. Kill switch will be checked when going across the scales at every pull. (See general rules.)
  - i) All drivers hanging weights and or over 3500 RPM's must wear:
    - 1. Fire Suit, gloves, boots, head sock (minimum rating SFI 3.2A-1).
    - 2. A DOT safety helmet is required while hooked to the sled. (Helmet does not have to be full face.)
    - 3. Must wear seat belt while hooked to sled.
  - j) All stock vehicles and hanging weights must:
    - 1. Wear seat belt and helmet while hooked to the sled. (Helmet does not have to be full face.)
  - k) All stock vehicles and not hanging weights must:
    - 1. Wear seat a belt.
- 9) All trucks:
- a) Must have working brakes on all 4 corners.
  - b) Doors must open and close.
  - c) Must have fire extinguisher in working condition within easy reach of driver.
  - d) Must have Air Shut offs on in line fuel pumps. (Required on all vehicles that exceed 3500 RPM's. It is up to the driver to prove.)
  - e) All pickups must have OEM bodies and be a 1-ton or less pickup frame. If under 3500 RPM's a full interior & factory working glass is mandatory.
  - f) Must have at least 1 automotive type high back seat.
- 10) Weights :
- a) Weights or weight bar, all weights must be securely fastened to vehicle with the leading edge of weight or hanger no more than 60" in front of axle centerline.
  - b) All weights must be securely fastened in pickup box or on weight bar. No weights allowed in the cab. **NO EXCEPTIONS!**
  - c) All trucks must have tailgate or cargo net.
  - d) If any weights fall out of your vehicle at the scales, pit area or on the track, the vehicle will be disqualified from competition.

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Rev. Release #1 - 11/20/04: Rules as stated on this document were reviewed and officially approved by the TTPA Board of Directors on 11/20/04 for the 2005 pulling season. (These rules will be reviewed post 2005 season for additions, changes or deletions).

Rev # 2 November 2005 for 2006 & 2007 Seasons. Shaded Gray areas are the 2006/2007 TTPA approved changes. GH Rev 03/29/08: Rules revised & added (#1) (#6 f, g, i & j) (#7 e) (#8 h & j) (#9 d) (#10 a & b) for 2008 Season. Rules approved by Class Members & Board on 04/19/08.

Rev #4 ~ November 8, 2009 ~ Rules revised & added (#1) (# 6 D) (# 7 A) (#8 D) (# 8 I added). Removed (# 8 I) (# 8 J) (# 8 K). Rules approved by Class Members and Board Members on November 8, 2009, 1<sup>st</sup> Reading. 2<sup>nd</sup> Reading Board Approval, January 17, 2009. Rules in place post 2010 season.

Rev # 5 ~ September 12, 2010 ~ Rules revised & added (#1 Rules 2 year) (#5 added E, F, G, H, I, J & K Hitch) (#7-C Rear leaf springs ) (#7-E added #1 & #2 Bell Housing) (#7-F vehicle must not be wider than 102") (#8-I If hanging weight driver must wear) (#8-J & K If stock must wear seat belt.) (#9-A Must have all 4 working brakes) Rules approved by Class Members 09/12/10, Board approved 1st Reading 10/16/10 & 2nd Reading 11/20/10. Rules in place post 2012 season.

Rev #6 ~ March 19, 2011 ~ Add Rules (#7-G Rear Leaf Springs) (#7-H Front suspension) (#9-E OEM Body, 1-ton or less Pickup Frame, full interior & factory working glass) (#9-F Automotive type seat). Board Approved 1<sup>st</sup> Reading 03/19/11 & 2<sup>nd</sup> Reading 04/23/11.

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