

5500 V-8 Hot Rods

Rules in place until Post 2009 Season

PREFACE: The pulling tractor must appear OEM stock to the eye, rims are excluded. The only exceptions are V-8 Engine & Air Cleaners through the Hood

1. Drivers

- a. All contestants enter at their own risk.
- b. All drivers must be at least 16 years old, with legal proof in their possession.
- c. Each tractor will be allowed one hook per class.
- d. All general rules apply.

2. Tractors

- a. They must be naturally aspirated. No turbos or blowers, tunnel rams allowed. (See 2 J.)
- b. Must be a 1965 or older, and of a North American Brand Name, including full model run out.
- c. Must be two-wheel drive, Radial rear tires are allowed, no dual, chains, or steel wheels.
- d. Frames must be factory OEM & must be reinforced if steel is cut away. No modifications or component frames allowed. Only one exception to this rule. (See Rule 2E.)
- e. If your tractor does not have a frame past the bell housing and is considered a safety issue by the TTPA Board, you must get approval to changes. You must submit a drawing of the change you want, and you must full board approval. If approved, modifications & additional material will be constructed to look as if it was factory built. It must reinforced for safety and have as normal to stock appearance as possible. Board approved modified frames must be rigid and cannot flex. NOTE: (You MUST have full board approval to change or modify any part of your frame). Period!
- f. Frame cannot be Lengthened or shortened beyond what was OEM factory available. The tractor's over all length cannot be altered, and this includes the wheelbase, housing and or frame rails, etc. (SEE 2 E).
- g. May pull in any gear. Torque amplifiers may be used.
- h. Transmission: Transmission may have after market gears however, they must be OEM stock appearing!
- i. Rear End: Must use OEM. Example; M Farmall may use ring & pinion out of a W-6, Oliver has several different ring & pinion gears for 88/Super 88 model. No after Market Ring & Pinions can be made or used.
- j. No forced air, fans, cowl induction or any air injection allowed. Air Filter may protrude through the hood and be NO HIGHER THAN 8" from the point of protrusion through the hood to the top of the filter, or filter lid.

3. **Fuel** – Gasoline only. No alcohol, nitromethane, Nitrous, diesel, or LP.

4. **Engines:**

Any Combination of Bore & Stroke is allowed to meet 410 Maximum Cubic Inch !

- a. Engines will be allowed to have 410 cubic inches or less. Only the listed below OEM engines will be allowed.
 - 1. All American made small blocks that are industry accepted by the name small blocks are legal
 - 2. 400 Pontiac std. or smaller bore, and std. 3.75 stroke crank
 - 3. 389 Pontiac with the std. 3.75 crank – may be bored to attain 410 max. cubic inches.
 - 4. 383/400 Mopar.
 - 5. 360 FE Ford
 - 6. Merlin & Dart & ETC aftermarket blocks are allowed
- B. After-Market heads allowed (Steel After-market Heads only.)
- c. No aluminum blocks or heads.
- D. Canted valve heads allowed.
- b. No Big blocks are allowed, including any Chrysler Hemi's
- e. Exhaust system –
 - 1. All headers must discharge vertically.
 - 2. Header maximums; primary 1 7/8 (1.875) x 3 1/2 inch collector (O.D. measurement)
 - 3. Collector headers only.
- f. Engine RPM –
 - 1. Tractor engines will have a 7000 maximum rpm. Limit.
 - 2. Tractors must use an MSD product rpm limiter.
 - 3. Boxes have to be in plain view of officials.
 - 4. Boxes may not be tampered / modified. Rivets must be original. If you drill a rivet out you will have to buy a new box. If factory sealant / sticker is broken, a new box is mandatory.
 - 5. Only the wiring per MSD's wiring diagram will be allowed, and must be plainly visible. No other wires may be attached to any of the MSD factory wires other than as Specified per MSD's wiring diagram.
 - 6. All tractors must be equipped with a fully functional RPM Magnet that me be checked anytime by the Tech Official. In addition, the RPM device will be installed per TTPA guidelines. Period.

5. **Carburetors**

- a. Only one carb with a maximum of 750 CFM carb from the list that follows will be allowed and are board approved..
- b. No alterations / milling of any kind. No dominators / No predators, and No fuel injection allowed.
- c. Only the holly produced carb's listed below will be legal:
 - 1. 750 CFM rated – 3310, 4779, 80779, 6109, 8156, 80508, 83310, 84011, 84013
 - 2. 650 CFM rated – 4777, 80777, 6708, 84014, 84021, 84016
 - 3. 600 CFM rated – 1850, 2818, 4452, 4752, 4749, 4776, 80776, 80457, 80145,

84010,

84035, 84012, 84020

- d. Only the following Edelbrock carbs listed below will be legal:
 - 1. 750 CFM – 1407, 1411
 - 2. 600 CFM– 1400, 1405, 1406
- e. Only the following Fed/Mog/Carter carbs listed below will be legal:
 - 1. 750 CFM – 9755, 9756, 9757, 9758
 - 2. 625 CFM – 9641, 9635, 9637, 9638
 - 3. 600 CFM rated – 9605, 9606, 9607
- f. No Bo-Laws, Braswell, Barry Grant, Chuck nyten, etc. allowed.

6. Tires / Rims: Front and Rear

- a. Rear – Maximum tire size is 18.4 x 38 bar lug farm type
- b. Rear – No triple cut tires allowed
- c. Rear – May use any rim width rims – may be aluminum

7. Hitches

- a. Modified tractor rules for hitch apply
- b. Hitch may be no higher than 20 inches
- c. No closer than 18 inches from the center of the rear axle to hitching point
- d. Drawbars must be rigid in all directions
- e. All clevises must be rigid vertically. Clevises must be flat, or twisted, and have a minimum of a 3.5 inch opening. No vertical clevises.

8. Safety

- A. Working breakaway KILL switch. Must shut down the ignition system and electric fuel pump.
- B. Must have a minimum of a charged 2.5lb Fire extinguisher.
- C. All tractors must have side shields made of at least 1/8 steel, or ¼ aluminum, covering from the bottom of the head to the bottom of the oil pan.
- D. Tractor must have rigid seat with a vertical back support. No spring cushion.
- E. Must have a minimum of 200 lb. of movable weight/ballast with driver in the seat.
- F. Only electric fans may be used. No stock bladed fans may be used
- G. All drive couplings must be covered 360 degrees with a minimum ¼ inch thick steel, or ½ inch aluminum shielding
- H. **Flywheel, Clutch, and or Flexplate must be SFI approved. Must have an SFI approved bell housing/transmission safety blanket**
- I. Driver must have a DOT helmet, SFI fire suit, head sock, gloves and shoes.
- L. Wheelie bar pads must extend at least 4 inches behind the vertical edge of the back tires, on 5 inch pads, also must be able to support the weight of the tractor in the weight class.
- J. All tractors must have fenders. The original fenders can be moved from stock location.
- K. Driver must remain seated during the pull.
 - 1. Driver must signal that tractor is out of gear when hitching and unhitching from the sled.
- L. Must have fully functional brakes that can stop the tractor under power.

M. Roll cages if used, are recommended to be built by NTPA guidelines. (This includes/Mandates a 5 Point Safety Harness & Neck Brace or Padded Roll cage)

- O. All weights must be stationary and safety secured to the tractor. If anything should fall off the tractor while hooked to the sled, you will be disqualified (weights or parts).
 - 1.No tarp /bungee straps allowed for weights
 - 2. May use ratchet straps

3. Steel bars recommended
4. Weights must not exceed rearward beyond rear tires, vertical edge, and cannot be more than 11 feet from the center of the rear axle the furthest point forward.
 - P. Front Ends:
 1. Wide front ends only. Front tire centerline will track within the rear tires.
 2. May build homemade front axles.
 - Q. Must use a SFI harmonic balancer on the crankshaft.
 - R. No pressurized fuel tanks.
 - S. All throttles will use the dead man type. Meaning that if the hand or foot is removed from the throttle position. (Must be Push – Pull Cable)
 - T. Foot Throttle must be (Push-Pull) with Toe Clip for pull back ability.
 - U. Where automatic transmissions are used and have a clearance problem and can't put a blanket on, you can use a minimum of ¼ steel properly fashioned and security anchored. It must cover from bell housing/motor face to tail housing bolts.
9. All V-8 Hot Rod tractors must be equipped with a (clear) back-up light. This must function (activate) when the driver shifts into reverse, while the engine is running. This clear back-up light shall be mounted somewhere to the far rear of the tractor.
10. All V-8 Hot Rod tractors must be equipped with a Neutral Switch that will only allow tractors to start when the clutch is fully compressed (disengaged) downward / in. Example: Your clutch shall be totally compressed as to activate the neutral switch to function. (Slipper Clutch: Shifter must activate neutral switch) Automatic Transmission: Switch must be on shifter
11. All rules will be in place for 3 years, ending 2009

Rule revisions #9 and #10 dated 5-12-02

Revision Date: 10/14/04 Bold Rules revised & added (#2 C-F-G) (#4 B & D) (#8 H-S-T) (# 10) Per Class Member Review

Approved by TTPA Board 11/20/04

2007 - 2009 Rule Revisions as of 12/8/06; 2J, 4A-6, 4F-6, 4F-1, 4F-6, 8M – 12/8/06, Class Member's to change name of class to 5500 V-8 Hot Rod Class

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