

V8 Hot Rod Tractor- 6,000 lbs.

HR - vehicle designation

Body & Frame:

1. Tractors must resemble a tractor including grill and hood.
2. Front skids required, must hold the weight of the tractor. No higher than 4" off the ground and shall be the width of the frame.
3. No portion of the tractor can exceed 12 feet forward of the centerline of the rear wheels for the 6,000 lbs class, including weights, except for the tow hook.
 - a. Rule Exception #1: Tractors over 12 feet, to a maximum of 14 feet, can only weigh 5,800 lbs).
 - b. Rule Exception #2: Previous MPA members with tractors already built over the 14 feet will be grandfathered in under the maximum length rule.
4. Tractors with frame bolted to rear transmission housing must have extra support to prevent splitting of the tractor.
5. Tractor must have a wide front end with 48" minimum width and must track within rear wheels.
6. Front tow hook is required. Tow hook must support full lifting and pulling of the tractor off the track.
7. Must have rear fenders that protect the driver from tires and debris.
8. The hitch point must not be over 19" from the ground, must be within 10 deg. of parallel to the ground, and not closer than 18" from the center of rear wheel. No pinned or welded clevis allowed, must be a fixed hitch with hook opening minimum of 3" wide x 3.75" long 1" to 1.5" thick.
9. Tractors will be equipped with wheelie bars/skid plates. No more than 10" above the ground and no less than 20" from the outside of the pads. Must have pads that are a minimum of 5 inches square and shall support the weight of the tractor.
10. Tractors must have rear bumper bars that extend 3" beyond tires and go up a minimum of 12" above ground and may not interfere with sled or hook/chain.
11. Seat must be fiberglass or aluminum high back racing style securely fastened.
12. Roll cage is mandatory with a minimum of 12 gauge steel. Mandrel bends or cut and welded construction with 6 verticals minimum.
13. A 5 point safety harness must be secured to the roll cage. A full face DOT approved, Snell, or SFI spec. helmet with shield, neck collar, and fire suit and jacket are required. All must be SFI rated.
14. Drivers must have clear visibility behind their tractor while remaining in the seat, which can be aided by use of cameras or mirrors. Must also be seated and in control of the tractor when starting, running, or in motion.
15. Drivers must have easy access to a minimum of a 2 ½ lb fire extinguisher while secured in their seat.
16. Weights must be securely fastened to the tractor, if weights or any part of the tractor fall to the ground, disqualification will result.
17. Rear weights must not interfere with sled or hook and chain and cannot exceed 3" beyond rear tires.

18. Tractors must have a back-up light on anytime the tractor is in reverse and shall be mounted above the hitch.

Drivetrain:

19. All automatic transmission equipped tractors must run a fully functional torque converter without external (of the converter) controls for lockup or release.
20. All engines using a clutch must be equipped with current SFI approved clutch housing, pressure plate, flywheel, and clutch disk. No cast iron clutch components, flywheel, or flex plate.
21. Automotive and truck manual and automatic transmissions and auxiliary boxes must be covered with a SFI approved safety blanket, secured as specified by SFI with a 3-strap minimum safety blanket.
22. Auxiliary boxes only need a 3-belt SFI blanket to cover the immediate box.
23. All tractors using automatic transmission must be equipped with Reverse gear lock out safety switch to prevent starting unless in Park or Neutral.
24. Rear ends must be farm tractor or planetary type rear ends.
25. Maximum rear tire size: Factory molded 18.4 x 38. Any type of cut tires and any rims are allowed.
 - a. Rule Exception #1: Any Big Tire tractor is allowed but must LOWER hitch to 17" from the ground.
26. Minimum front tire size: 14" diameter wheel.
27. Drivetrain from the transmission to the original tractor transmission must be shielded 360 degrees with 5/16" minimum steel fastened every 6" with 3/8" grade 5 bolts or equivalent.
28. Must have side shields of 1/8" steel or 1/4" aluminum the length of the engine block and four inches above and below the crank centerline.
29. Must have shield 360 degrees of 14" x 6" around automatic transmission bell housing. A hold large enough only to allow dipstick tube and not exceed the size of the tube.
30. Must have braking on at least 2 rear wheels.
31. After-market and ProFab gears allowed.

Engine:

32. Only one American made gasoline V8 engine with cast iron block and a single carburetor. No turbo, super charger, blower, or fuel injection allowed. Naturally aspirated only.
33. No RPM limits with a maximum cubic inch of 549 CI.
34. Heads must have an OEM bolt pattern to accept stock intake. (Heads may be cast iron or aluminum.)
35. Kill switch must stop electric fuel pump and kill the ignition and be mounted above hitch with a 2" ring.
36. Aluminum intake is permitted. No tunnel ram (removable top) or sheet metal intakes. Up to 2" carb spacer allowed.

37. Any single 4-barrel carb allowed with maximum of a #4500 - Dominator style base up to a 500 CI limit.
38. No spread or split carbs allowed.
39. Carbs shall be manually operated by the driver with a dead-man throttle only and shall return to closed by use of springs at both carb and at hand throttle.
40. SFI approved harmonic balancer only.
41. Air cleaner must fit under the stock tractor hood.
42. Roller camshafts are allowed.
43. Roller rocker arms are allowed.
44. Any MSD type electronic ignition without any modifications/tampering allowed, but no electronic timing devices, computers, or traction control aids can be used to control the operation of the tractor.
45. All exhaust must be pointed upwards. No rain caps.
46. Spark plug shields must be in place to contain or deflect downward.
47. No crankshaft belt driven engine fans allowed.
48. Electric driven water pumps, fuel pumps, and fans are allowed.
49. Alternators and remote oil pumps, water pumps, power steering pumps, fuel pumps, and vacuum pumps are allowed and can be belt driven.
50. Battery must be securely bolted down.

Fuel:

51. Normal pump gas, E85, or any name brand race gas allowed.
 - a. Alcohol: Must have additives to see it burn.
 - b. Alcohol: Driver must wear additional fire-resistant gloves, shoes, and head sock.
52. NO NITROUS OR PRESSURIZED FUELS OF ANY KIND.
53. Fuel tank mounting location is preferred up front or as far as possible from the driver and engine bay.

All vehicles and pullers must comply with the association's general rules.

MPA Officials have final say on all rulings and decisions.