

General Rules

Brakes:

- 1) All competing tractors must be equipped with working rear brakes.
- 2) All driveline brakes must have a minimum of 3/8" steel, 360 degrees around brake components.

Drawbars:

- 1) Drawbar height to be a maximum of 13" at the inside back of the hole (hook point).
- 2) Drawbar must have a minimum of 1-1/2" diameter hole.
- 3) No portion of the tractor may interfere with the sled, chain, or hook during a pull, or while being hooked or unhooked.
- 4) Drawbar hitching point bolt must be a min. of a 1/2" bolt, grade 8.
- 5) All single pin style hitches must be constructed of a solid one-piece drawbar of min. 3/4" solid steel, with a minimum of 1-1/2" hole.
- 6) Drawbar must be a minimum of 6" long to hook point from the center of the rear axle.
- 7) All welded drawbars must have a 1/2" safety cable routed around hooking point and secured around the rear-end with two clamps at each splice.
- 8) Hitches are to be rigid in all 6 directions (Up, Down, Left, Right, In, or Out)

Flywheel, Flexplate, Clutch, and Shielding:

- 1) Flywheel and clutch assembly must be covered with an SFI approved bellhousing.
 - No holes allowed in the bell housing except one cooling hole, max. of 1" diameter on the face. Bell housing must be flush on the face and use the block saver plate.
- 2) Manual transmissions are prohibited from utilizing a cast iron flywheel.
- 3) All automatic transmissions must be covered with SFI approved safety blanket.

Chassis:

- 1) All tractors must be equipped with a pair of "skis" to prevent front axle digging in following breakage. Ski should be able to support weight of tractor and be no higher than the bottom edge of the front wheel
- 2) No portion of any tractor shall exceed 8 foot forward of the center of the rear wheels, except for the tow ring.
- 3) Width of tractor is measured from outside of rim to outside of rim, not to exceed 6 feet in width.
- 4) No cable operated steering assembly

Fuel:

- 1) All forms of Nitro methane, including Nitrous Oxide, are illegal as fuel or fuel additives for pulling. If any competitor is proved for use of illegal fuel, the penalty will be loss of all points and suspension of membership for one year and 10 days.
- 2) No pressurized fuel tanks are allowed.
- 3) No electronic or computerized fuel systems permitted.

Engines:

- 1) All tractors require side plates the length of the engine block, 6" above and below the crankshaft centerline, made of 1/8" aluminum or 1/16" steel.
- 2) Side shields must be mounted independently of the engine block
- 3) All blow-by tubes must exit forward of the rear wheels.
- 4) All pulling tractors must be equipped with mechanical throttle linkage with return to idle springs. All foot throttles must have toe straps.
- 5) All non-SFI approved harmonic balancers must be wrapped 360 degrees with 1/16" steel or 1/8" aluminum, and with a (2) 1" crossbars across the front.
- 6) One-piece harmonic balancers and SFI approved harmonic balancers must be bolted to the crank with a minimum grade 8 bolt.
- 7) All exhaust must discharge vertically and be securely attached. Vertical is defined as being within 20 degrees, in any direction of plumb. Minimum of 12" in length from the bottom of the bend.

Kill Switches:

- 1) All pulling vehicles must always have a breakaway ignition kill switch in working order.
- 2) The breakaway kill switch must be mounted in the rear, independent of the drawbar within 6" of the center of the driver's seat and have 1 1/2" ring for attachment to the sled. All rings must be brazed closed.
- 3) The breakaway kill switch must break current or ground the ignition circuit as necessary to disrupt ignition to the engine.
- 4) All ignition engines must have another kill switch in working order, mounted within easy reach of the driver. All fuel-injected engines must have a working fuel shut-off valve control within easy reach of the driver.
- 5) Kill switches may be secured by one cable tie, following kill switch inspection.
- 6) In the event a kill switch falls out, the run is considered complete.
- 7) No electrical "cord-caps" are permitted as a kill switch
- 8) Any ground to kill ignition must complete circuit through a relay or solenoid, trailer breakaway switches are prohibited.

Safety:

- 1) Tech inspectors can bar from competition any vehicle, at any time, which they believe has a potential safety problem.
- 2) All pulling vehicles must be equipped with a minimum of one 1 lb. Fire extinguisher, fully charged and in working order, within easy reach of the driver.
- 3) All drivers must wear a full-face DOT approved helmet. Chinstraps must be fastened, and visor must be closed when pulling. Loss of helmet is cause for disqualification.
- 4) Driver must be protected by either a neck collar or helmet pads to prohibit lateral helmet movement of greater than 2"
- 5) SFI 3.2a/1 shoes or leather boots required; no tennis shoes are permitted.
- 6) A capable driver must be seated in the vehicle when the engine is being started, and whenever it is running regardless of location.
- 7) All pulling vehicles must be equipped with a neutral safety starter switch, which will allow starter engagement only in the neutral or park position.
- 8) All tractors with reverse must have a reverse light on the back of the tractor that automatically goes on while the vehicle is in reverse.
- 9) All drivers must wear fire retardant jacket, pants, and gloves meeting SFI 3.2A/1 or greater rating.
- 10) During competition, all drivers must wear properly secured 4-point safety harness with a minimum of 2" straps.

Driveline Shielding:

- 1) All driveshaft must be covered 360 degrees with ¼" steel or 3/8" aluminum.
- 2) Driveshaft covers on all tractors must be secured to the chassis laterally by one of the two following methods.
 1. Driveshaft cover must be tethered by 2" Nylon webbing at its mid-point and secured to or around frame rails. If webbing is secured with bolts, all fasteners must pass through metal grommets. All fasteners to be minimum of 3/8" grade 8.
 2. Driveshaft cover must be fastened to the chassis laterally via cross member or similar rigid mount. All fasteners are to be minimum of 3/8" grade 8.

Seats and Fenders:

- 1) All seats must have a minimum of a 6" high back.
- 2) Fenders are to consist of a barrier between the driver and tire. Fenders are to be constructed to prevent driver contact in any way.

Wheelie Bars:

- 1) Wheelie bars are to be a maximum of 6" off the ground, minimum of 2" from the vertical rear of the tire, that have a minimum of a 3" x 3" pad.
- 2) All wheelie bars must be separate of any portion of the hitch.
- 3) All tractors must have bumper bars. Specs will be the same as the NTPA rule.
 - a. In addition to stabilizer bars, there must be a brace that extends vertically 6 inches from the rear most tip of skid pads.
 - b. There must be a support brace extending inward to frame, axle, or top of stabilizer bar arms.
 - c. Vertical brace should extend rearward a minimum of 2 inches from radius of rear tire.
 - d. Material used to build vertical brace and support brace must be the same size and strength as the material used to build stabilizer bar.

Tires:

- 1) All divisions are limited to a maximum of an 18.4 x 16.1 tire.
- 3) Contest is open to pulling vehicles with rubber tires. NO four-wheel drive, dual tires, tire studs, or chains. All power must be transmitted through the rear wheels.

Roll Cage:

All tractors must be equipped with a roll cage.

Minimum suggested construction:

Two main hoops over top the driver, connected laterally with a minimum of two (2) tubes or bars. The roll cage must attach to the chassis with at least 4 attachment points via grade 8 bolts. Roll cage must be capable of supporting entire tractors weight. Minimum suggested material is 1 5/8" DOM .058" chrome moly tubing or .083" mild steel.

Division Limitations

1850 lb. Small Block Class Rules

Maximum of one automotive-type engine of small block design.

Maximum of 436 cubic inches @ 1850lb.

Natural aspiration only.

2000 lb. Single Carb Rail Class Rules

Maximum of one automotive-type engine.

Maximum of 545 cubic inches.

Engines 520 – 545” are limited to a single 4150 base plate carburetor of a four-barrel design.

Engines 500” or smaller may run mechanical fuel injection, or a single four-barrel designed carburetor.

2050 lb. Open Rail Class Rules

Maximum of one automotive-type engine.

Naturally Aspirated Big Block - Maximum of 575 cubic inches.

Must be naturally aspirated, no power-adders.

- NA entries will be given a 100lb. weight allowance on trial basis. (Entries will weigh 2150lbs.)

Forced Induction Small Block - Maximum of 370 cubic inches of a small block design.

Cylinder heads must be of a Generation 1 Chevy 23-degree design.

- No raised runner design, no canted or splayed valves.

The following combinations are permitted:

Single 8-71 supercharger (60-degree rotors) maximum 7.0% overdrive

Single 8-71 Supercharger (greater than 60 rotors) limited to 0.0% overdrive

Single 6-71 Supercharger with maximum of 10% overdrive

- Intake must have an SFI approved burst panel
- Supercharger must be retained by a SFI Spec. 14.1 blower restraint.
- Aluminum supercharger studs must be utilized.
- Supercharger drive components must be shrouded top and sides with minimum 0.060” steel

Single Stage 83mm Turbo (Boost controller limited to 22psi boost)

- All turbochargers must be completely shrouded, except for the inlet and exhaust pipes, with minimum 0.060” steel
- Turbocharged engines must have (2) 3/8” bolts (grade 5) in horizontal portion of exhaust pipe(s). Bolts to be installed 90 degrees to each other within 1 inch of each other

Conduct of a Pulling Contest

- 1) Tractors must always be operated in a safe manner.
- 2) Drivers must always remain seated during the pull and have complete control of the vehicle.
- 3) **NO** passengers shall be on any tractor when it is being towed or driven.
- 4) Any driver incapacitated due to an intoxicating agent and/or drug shall not be allowed to compete.
- 5) In order to receive points, the puller must hook and make a measurable pull on that day and have paid the membership fee.
- 6) All pulls must start with a tight chain, no jerking. Contestants will be allowed a total of two attempts to make a 100-foot start. If the driver lets off the throttle before 100 feet he/she will be given another attempt, even if the tractor / sled went beyond 100 feet.
- 8) Each contestant has the privilege of and responsibility for spotting the sled for both of their attempts. The sled will not be moved because of failing to place the spotting cone.
- 9) The sled will move backward or forward to the starting line prior to each attempt. No official pull may start beyond the starting line, in either direction.
- 10) An attempt is defined as moving the sled a measurable distance of one inch or more.
- 11) Only the flagman and sled driver will make track length decisions.
- 12) All pulls made during a contest will be measured.
- 13) Violation of any rule will constitute disqualification.
- 14) Pulling vehicles must remain within the boundaries of contestant course at the start and throughout the pull, or else the vehicle will be disqualified.
- 15) If the vehicle is legal when hooked the sled, and breakage occurs when under the green flag due to unforeseen circumstances the pull will be measured, except for loss of ballast or safety equipment.
- 16) It is mandatory for all drivers or their proxy to attend all drivers' meetings while at the pull.
- 18) If the kill switch is pulled by the sled driver, the decision of the flag man and sled driver is not appealable. If the puller can repull, they must pull immediately with no changes allowed except the addition of fuel.
- 19) No alcoholic beverages on the track or in staging area by drivers, track help, or pit crew.