

## 2023 Benton County Truck Pull Rules and Regulations

**No class jumping allowed \* Limits 20 trucks per weight class \* Pit will be open at 2:30 pm \* All trucks must be on grounds for inspection between 2:30 pm and 5:30 pm \* Drivers meeting at 5:45 pm by the announcers stand \* Pull starts promptly at 6:00 pm**

1. Trucks must be operated in a safe manner at all times. Drivers must remain seated during the pull and must have complete control of the truck at all times. Seatbelts must be worn. All drivers must have a valid driver's license, vehicle registration and insurance. No chain jerking or hot-rodding allowed. May result in disqualification.
2. **NO** consumption of alcoholic beverages in the truck or pit area either before or during the pull. Beer garden staff will not serve anyone with a pit pass.
3. If judges believe any individual to be a potential hazard because of such consumption, the individual will be barred from the contest.
4. Pit people must be 16 years of age or older. Those pit people and drivers under 17 years of age must have a notarized Benton County Agricultural Society Minor Release Form signed by parent/guardian. **NO EXCEPTIONS. Forms can be obtained from the fair office, pit gate night of event or on website: BentonFairMN.com. Notary will not be available at pit gate day of event.**
5. Truck pull entry includes driver admission only. No limit on pit crew, each pit pass is \$15.00. Spectators are not allowed entry through the pit gate due to insurance liability requirements. All spectators must enter from the main entrance located on the fairgrounds by the beer garden. All pit personnel must follow pit area rules.
6. Trucks will be weighed with the driver inside, at the fairgrounds prior to pull.
7. Street trucks must have all weights safely secured to the vehicle and may not exceed more than 60 inches from the centerline of the front axle.
8. Weights must not touch the grounds. If weight falls off during the pull, the driver will be disqualified.
9. Street stock and Pro Stock (Street Legal) may not block suspension – all others may.
10. No portion of the truck may interfere with sled hitch during pull.
11. Everyone must have their own clevis on pickup. Minimum 3-1/2" diameter hole or twisted clevis.
12. Hitch must be rigid in all directions and solidly mounted to the vehicle frame and cannot rise during pull. Hitch must extend beyond the box.
13. All pre-registered entrants will be mixed up so the same entrant does not start every class.

14. The first puller in each class will have the option to pull over in the 3<sup>rd</sup> spot. Must request re-pull before he is unhooked from the sled. Any puller may have one re-pull as long as he stops before the front of the skid passes the 75' mark and requests the re-pull before he is unhooked from the sled.
15. **NO** class jumping. Any pre-registered that includes class jumping entry fee will not be refunded.
16. Contest to be governed by judge with all decisions final. Judges have all rights to stop and disqualify any truck if it is not being operated in such a manner as would be considered safe.
17. There will be a \$50. pro-test fee. Fee will be returned if protest is proved within 15 minutes protest time limit following each class.
18. Items can be inspected by the tech or official per protest. Items include, but not limited to: CID pump test, re-weighing, re-measuring hitch or other vehicle specification, safety equipment, etc.
19. Protested party that fails to make the vehicle available or refuses to allow inspection is considered an illegal vehicle. Competitor whose vehicle is found to be illegal will be disqualified from the class and the competitor forfeits any winnings for the class. Protest fee shall be returned to the protestor. Competitor whose vehicle is found to be legal shall keep their winnings and be paid 100% of the protest fee. If the protested truck is found to be illegal, the driver and the truck will be barred from this competition for 1 year and 10 days.
20. No sign up after the class has started pulling.
21. It is the driver's responsibility to be aware when they will be pulling and ready when it's their turn.
22. Top 3 in all classes will be held for inspection after pulling.

### **ALL STREET STOCK CLASS**

1. Factory duals only.
2. Tires must be street legal D.O.T. approved. No grooving sharpening, removal of rubber is allowed. No bar lug tires.
3. Maximum hitch height 26 inches or less. Hitch length from point of hitch to the center of rear axle shall be no less than 36% of pickup wheelbase. Example:  $133 \times 36\% = 47.88$ " minimum hitch length, axle to point of pull. Hitch cannot rise during the pull. No trick hitches or floating hitches.
4. Engines must be naturally aspired and have single carb, no nitrous oxide, super chargers, turbos or after market fuel injections.
5. Truck must have full glass. Must have automotive driveline. No 'prefab or quick-change' driveline gear boxes in street stock and street legal. Overload springs must have visual clearance. Perches must be in factory location. No Heartland Pullers in this class.

## **STREET STOCK EFI**

1. **STOCK IS STOCK as delivered from factory. NO EXCEPTIONS.** No weight racks allowed or block or pre-load suspension (stock). **ONE PULL ONLY!**
2. Trucks must be licensed and must have valid insurance auto ID card. Trucks must have street-able exhaust. Must pull from bumper or hitch. No wheel base restrictions.
3. Headlights and taillights must be in working order.
4. Trucks must have four wheel working brakes.
5. Tires must be D.O.T. approved. No modifications allowed. (i.e. cutting, grooving, etc) Siping allowed.
6. Must pull from bumper, hitch or class 3 style hitch. Maximum 3-3/4 inch opening for hook. Hitch height not to exceed 24 inches.
7. Must be factory stock fuel injection only, matching year of the truck.
8. May only run stock fuel. All other fuels are illegal.
9. All weights must be in the box only. No weight out front. No hidden weights. No exceptions. No weight brackets.
10. No blocking of suspension (must have workable suspension) Airbags must be disconnected.

## **IMPROVED STOCK**

1. Motor must match the pickup make.
2. OEM fuel systems only. Only one carburetor is permitted. Carburetor must be a single line feed type carburetor with vacuum secondaries. No double pump type carburetors. The carb spacer/adaptor must be 1 inch or less. The fuel line must not split before the carburetor to feed fuel to the front fuel bowl and the rear fuel bowl. Factory EFT systems allowed. OEM cast iron heads only. May have a secondary tank located in the box and securely fastened down.
3. Vehicle must have a front and rear bumper. May run a weight bar. 60" center front axle.
4. No solid or blocked suspension or ladder bars. Must be on springs. Lift kits allowed. Must use stock frame and running gear. No blocked suspension or tie downs or clamping of springs allowed. Spring shackles must not be restricted in any manner. This includes welding the spring shackles or any other method of restricting them. Spring shackles must be in the original position as intended by the manufacturer.
5. Must pull from factory hitch or Reese type hitch.
6. 480 +2% cubic inch limit. "Cast In-Cast Out" (cast iron intake, OEM exhaust manifolds, etc). Trucks that come with factory aluminum intakes or composite intakes are allowed for that year of make and model only. The truck must retain the full factory interior, driveline, and the rest of factory components except the factory gas tank. An exception to this rule is if the vehicle was originally equipped with a GM 8.1 liter, Dodge 8.0 liter engine, or any truck that is manufactured with an engine greater than 480 cubic inch will be allowed.

7. Illegal fuels: E-85, all forms of nitromethane (including nitrous oxide and propylene) or alcohol as a fuel or fuel additive for pulling. Must run gasoline. The only exception is flex fuel vehicles.
8. Vehicles exhaust must exit behind the cab with muffler(s) and have a 3" diameter max. Dual exhaust is allowed.
9. Vehicle must have D.O.T. approved tires, no larger than 33 inch. Siping allowed.
10. All flatbed trucks must be a maximum of a 1 ton cab and chassis series pickup.
11. Factory EFI trucks must have stock appearance intake manifold and fuel system
12. Factory OEM aluminum heads and blocks allowed only in trucks intended by the manufacturer.
13. Must have drive shaft loop, U-joint shield and kill switch.

### **PRO STOCK FWD TRUCKS**

1. Must have all safety equipment such as drive shaft loops, U-joints enclosed, working kill switch, neutral light, explosion proof bell housing or scatter blanket and fire extinguishers.
2. Engine size limited to 480+2% cubic inch with OEM block and one four barrel carburetor. Maximum 4150 flange type carb. Aluminum intake. (No Dominators or King Demon type carbs.) Engine, radiator and grill to remain in stock location as intended by manufacturer. OEM cast iron heads only. No aftermarket fuel injection systems, air compressing devices, sheet metal intakes, or stretched carburetors. Motor must match pickup make.
3. No fiberglass body parts. Fiberglass hoods and hood scoops allowed. Hoods must have a hood scoop on if the air cleaner protrudes through the hood.
4. Open headers allowed. Exhaust may discharge down under the vehicle and must exit toward the rear of the vehicle. No side discharge permitted. All headers must not point toward the ground in any manner. No vertical headers.
5. Must use factory stock transmission and transfer case. Front axle must not exceed Dana 60 specifications and rear axle must not exceed Dana 80 specifications. ( 1 ton driveline max)
6. Must have 4 wheel working brakes and reverse lights.
7. Maximum 135" wheel base.
8. Must be on springs. No blocked suspension or tie downs. Can have ladder bars front and rear. Spring shackles must not be restricted in any manner. This includes welding the spring shackles or any other method of restricting them. Lift kits allowed. Rear ends bigger than dana 80, not allowed.
9. Must retain full factory fenders, cab, steel dash, OEM glass and complete box. No body cutting except to clear tires on front fenders. No body hulling for the purpose of reduction of weight.
10. Maximum tire size 35" tall. Siping allowed. No bar or terra type tires. Trucks must have DOT street legal tires.

11. Illegal fuels: E-85 and all forms of nitromethane (including nitrous oxide and propylene) or alcohol as a fuel or fuel additive for pulling. Must run gasoline.
12. Batteries must be located on the engine side of the grill. May use a factory gas tank, but a non-factory gas tank (must be approved) or fuel cell must be located inside the box and securely fastened down.
13. Pivot point of hitch should extend no further forward than center of rear axle. All hitches must mount under the truck bed. Trucks must have bumper stops.
14. Must retain factory steering. No hydraulic steering allowed.
15. Must have fire suit including jacket, pants and helmet.

### **STREET MODIFIED**

1. Must have one carb and only one transmission and transfer case. After market transfer cases allowed. (i.e. Profab SCS) Reversers allowed.
2. No air compressing devices, turbo chargers or super chargers allowed.
3. All engine components must be under hood. Only air cleaner can stick through hood.
4. Must have all safety equipment such as drive shaft loops, U-joints enclosed, working kill switch, neutral light, engine side shields if the factory fender liners are removed (NTPA specs: 0.060 Thick aluminum that is securely mounted to the frame and extends above the spark plug), explosion proof bell housing or scatter blanket and fire extinguisher.
5. Front end limited to a one ton (60 series). Must use OEM frame.
6. Complete radiator must be in stock location. Engine must be located behind radiator.
7. Illegal fuels: Alcohol, all forms of nitromethane (including nitrous oxide and propylene) or alcohol as a fuel or fuel additive for pulling.
8. Rear suspension may be blocked.
9. Must have full front and rear windows in truck.
10. Removal of floors and fenders from box allowed if box is covered. Flat beds are allowed as long as the tires are covered.
11. Must have a minimum of 2 wheel brakes in working order.
12. Exhaust pipes must not be out the side or toward the spectators. Upright headers allowed. All headers must not point toward the ground in any manner. Upright headers are highly encouraged.
13. Cubic inch limit of 530 +2%.
14. Must have fire suit including jacket, pants and helmet.
15. Must be equipped with safety wheels on the weight bar. Wheels to be 6 inches in diameter and 2 inches wide. Wheels should be at least 3 feet apart and approximately 8 inches from the ground.

## **OPEN CLASS**

1. Must have all safety equipment such as drive shaft loops. U-joints enclosed, working kill switch, neutral light, engine side shields if the factory fender liners are removed (NTPA specs: 0.060 thick aluminum that is securely mounted to the frame and extends above the spark plug), explosion proof bell housing or scatter blanket and fire extinguisher.
2. Must have front and rear windows.
3. Must have bar tires. Can be cut or sharpened (altered) tires. Cannot be legal in any other class.
4. All headers must not point toward the grounds in any manner. Upright headers are highly encouraged.
5. Must have fire suit including jacket, pants and helmet.
6. Cubic inch limit of 650 cubic inch + 2% for naturally aspire engines. Cubic inch limit for forced induction engines in 500 cubic inch + 2%.
7. Must be equipped with safety wheels on the weight bar. Wheels to be 6 inches in diameter and 2 inches wide. Wheels should be at least 3 feet apart and approximately 8 inches from the ground.

## **STOCK DIESEL 9000**

1. Stock as delivered from factory.
2. Traction bars are permitted. Must be bolt on only.
3. All drivers must have a valid driver's license.
4. The OEM driver's restraint system is mandatory and must be worn. No passengers allowed.
5. The fuel must be #1 or #2 diesel only. No nitrous oxide, propane, methanol, water or any other oxygen extenders allowed. Fuel must be commercially available. No aftermarket lift pumps.
6. The hitch must be a factory Reese style hitch. The hitch height from ground may not exceed 26". The hooking point must be horizontal and must have a minimum 3.00"x3.75" deep inside diameter opening for sled hook.
7. Stock suspension only. Bolt on traction/ladder bars allowed. No blocking, clamping, or preloading of suspension. No air bags. If airbags are on truck, compressors must be disconnected and stems removed. The tires must be D.O.T. street tires.
8. Factory STOCK turbo only. Prefer turn up on exhaust to keep smoke out of spectators' faces.
9. Aftermarket air filters and air boxes are permitted. Aftermarket exhaust permitted. Programmers and computer chips permitted.

## **IMPROVED DIESEL 8500**

1. Ballast: No hanging of front weights is allowed. All weights must be securely fastened in the bed or rear seat in a safe manner. Aftermarket front bumpers allowed. Any homemade bumpers will be at the discretion of tech officials.
2. Batteries: Batteries must be in stock location.
3. Body: The body must be the OEM truck body, including the full bed floor. Complete interior and all working components. Fiberglass hoods and roll pans are permitted. All fiberglass hoods must be shielded on the underneath side with sheet metal or aluminum skin a minimum of .060 thick. A factory installed pickup bed or commercial style aftermarket bed must be installed.
4. Chassis: The OEM chassis is mandatory. 4-wheel factory working brakes. Blocking suspension permitted. Must be removable. Can only be fastened to axle or frame on one end. No fully rigid chassis.
5. Cooling System: Radiators must be in the stock location and be of at least stock size. Electric cooling fans are permitted.
6. Driveline: An OEM transmission, transfer case and drive axles only. Stock style suspension only. Lift kits allowed. Rear traction bars allowed. Must have a loop on the bar.
7. Engine: Blocks must circulate coolant freely. All factory belt driven accessories must be retained and powered via the crankshaft by a standard serpentine or "V" belt.
8. Exhaust: Vehicles are recommended to be equipped to a direct exhaust upward. The exhaust must exit rearward of the driver's compartment. Two 3/8 inch diameter bolts must be installed through exhaust pipe in a cross pattern within 1 inch of each other and as close to the turbo as possible. No hood stacks.
9. Fuel: The fuel must be pump #1/#2 diesel or Soy/Bio-Diesel. Fuel must be commercially available. OEM fuel tank must be used. No propane, NOS or water injection. Dual cp3s permitted.
10. Harmonic Balancer: All engines turning more than 4500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.
11. Hitch: The hitch must be a factory receiver-style hitch. Hitch must be rigid in all directions. Receiver tube must be mounted parallel to the frame. Hitch bracing allowed but must be only frame mounted and cannot extend forward of the rear axle centerline. 3.75 hitch hole must be exposed at rearmost point of vehicle. Rollpan style hidden hitches permitted. Final decision of legality of all hitches resides with the head tech official. Minimum of 44 inches from center of rear axle back. Minimum 26 inch hitch height.
12. Intercoolers: Only air to air intercoolers are allowed.
13. Kill Switches: An electronic shut down that must kill power to electric fuel pumps. Must be mounted within 12 inches and above the pulling hitch. Switches will be tested. Air shut off is recommended.

14. Safety Equipment: All drivers must wear a helmet and a single layer fire jacket. Must carry a fire extinguisher in driver's compartment. All exposed u-joints must be shielded along with axle bolts. Full loops and shields recommended. Minimum rear most u-joint must be shielded.
15. Tires: The tires must be DOT street tires. Siping allowed. 35 inch maximum height. Factory dually trucks only. Dually trucks must use factory tire size. No bolt on duals allowed. No cutting, grooving or grinding allowed. Must be DOT approved wheels.
16. Turbo Charger: Single stock appearing turbo of 68mm or less in stock location. No 2<sup>nd</sup> generation swaps. Turbos must use the stock pedestal with no special adaptors or T-4 flanges. No S300 or S400 turbos. No smooth bore turbos. 6.4 Ford Powerstroke is the only vehicle allowed factory twin turbos. Must maintain full factory appearance including all factory fluid flow (coolant, oil and air). If VGT, must remain VGT.
17. Tech Inspection: During tech inspection driver must comply with all tech requests. Tech official has final say.

### **HOT DIESEL 8500**

1. Ballast: Hanging weights permitted not to exceed 60 inches forward of the center of the front axle. Blocks allowed. Aftermarket front bumpers allowed. Any homemade bumpers will be at the discretion of tech officials.
2. Batteries: Batteries must be in stock location.
3. Body: The body must be the OEM truck body including the full bed floor. Complete interior and all working components. Fiberglass hoods and roll pans are permitted. All fiberglass hoods must be shielded on the underneath side with sheet metal or aluminum skin a minimum of .060 thick. A factory installed pickup bed or commercial style aftermarket bed must be installed.
4. Chassis: The OEM chassis is mandatory. 4-wheel factory working brakes. OEM suspension, air bags/solid removable blocking permitted.
5. Cooling System: Radiators must be in the stock location and be of at least stock size. Electric cooling fans are permitted.
6. Driveline: An OEM transmission, transfer case and drive axles only. Stock style suspension only. Lift kits allowed. Rear traction bars allowed. Must have a loop on the bar.
7. Engine: Blocks must circulate coolant freely. All factory belt driven accessories must be retained and powered via the crankshaft by a standard serpentine or "V" belt.
8. Exhaust: Vehicles are recommended to be equipped to direct exhaust upward. The exhaust must exit rearward or the driver's compartment. Two 3/8 inch diameter bolts must be installed through exhaust pipe in a cross pattern within 1 inch of each other as close to the turbo as possible. No hood stacks.
9. Fuel: Multiple high-pressure pumps allowed. The fuel must be pump #1/#2 diesel or Soy/Bio-Diesel. Fuel must be commercially available. OEM fuel tank must be used. No propane, NOS or water injection.

10. Harmonic Balancer: All engines turning more than 4500 RPM must be equipped with a harmonic balancer or dampener meeting SFI Spec 18.1.
11. Hitch: The hitch must be a Reese receiver-style hitch. 3.75 hitch hole must be exposed at rear of vehicle. Final decision of legality of all hitches resides with the head tech official. Minimum of 44 inches from center of rear axle back. Maximum 26 inch hitch height.
12. Intercoolers: Only air to air intercoolers are allowed.
13. Kill Switches: An electronic shut down that must kill power to electric fuel pumps. Must be mounts within 12 inches and above the pulling hitch. Switches will be tested. Air shut off is recommended.
14. Safety Equipment: All drivers must wear a helmet and a single layer fire suit, jacket and pants. Must carry a fire extinguisher in driver's compartment. All exposed u-joints must be shielded along with axle bolts. Full loops and shields recommended.
15. Tires: The tires must be DOT street tires. Siping allowed. 35 inch maximum height. Factory dually trucks only . No bolt on duals allowed. No cutting, grooving or grinding allowed. Dually trucks must use stock tire size.
16. Trucks must be street driven
17. Turbo Charge: Any box charger configurations are permitted. Chargers must retain piping no open chargers. Truck must be street driven.
18. Tech Inspection: During tech inspection drivers must comply with all tech requests. Tech officials have final say.

### **OPEN DIESEL 8000**

1. Weight of 8000 lbs or less.
2. Any turbo of any size and combination allowed.
3. Must have all safety equipment.
4. Must have kill switch electric or air.
5. Must have all u-joints shielded. Total of 5 loops per shaft.
6. Fire jacket and pants if the cab has been cut out in any way. Jeans required if no cab modifications.
7. Leather boots or SFI shoes.
8. Helmets must be worn.
9. Fire extinguisher within reach of driver.
10. Exhaust must point up.
11. Water injection allowed.
12. Two 3/8 inch bolts in cross pattern as close to the turbo as possible.
13. Maximum of 35" tire.
14. Engine from one ton or less truck.
15. 26 inch hitch height.
16. Blocks allowed.
17. Weights not to exceed 60 inches from the center of the front axle.