

## **Pro Stock 4 X 4 Trucks**

1. Weight Class 6200 lbs
2. Truck body must be complete with hood, doors, and bed. The bed must have the floor in place or a top cover in place. No fiberglass bodies allowed. All DOT window glass must be in place.
3. Weight box or weight bracket is allowed to be 193" from the center of the rear axle to the front of weight. Weights can not be more than 60" from the center of the front axle. Weights in the bed must be secured. No weights are allowed in the cab.
4. Any DOT approved tires are allowed. Maximum Tire Size 36" diameter X 16" wide. Wheels may not be wider than tire width. Example: 14" wide tire on a 14" wide wheel. Tire sharpening is allowed, no more than 3/32" (0.093) clearance in the backside of tread. No cut, grooved bar tread, or tractor type tires allowed.
5. Pump gas or racing fuel allowed. No Alcohol, Nitro or Nitrous allowed. In the event a truck is equipped with a Nitrous system, the NOS Bottle must be removed in order to compete.
6. Open headers allowed. Upright headers allowed. Vertically discharging must be within 10 degrees of plumb. Downward header exhausts must discharge under the truck to the rear. No side or down discharge of exhaust toward the ground allowed.
7. Engine must be naturally aspirated, No supercharger or turbocharger allowed. Must be factory bore spacing. Maximum bore spacing allowed 4.900". Single carburetor may be any size. Limited to single plane intake, no tunnel ram, no sheet metal intakes. Max intake flow of 525cfm based off the Brodix SR20 BBC head. Any advertised head that exceeds this flow number will not be permitted.
8. Kill switch or breakaway switch required within 24" of hitch point. All kill switches will be tested at the scale for proper operation. Kill switch must kill the engine and any electric fuel pumps. A tie strap will be used during tech inspection to show the vehicle kill switch has been inspected. A 1/4" diameter hole will be used to securely hold the tie strap just above the kill switch. If the tie strap is broken, the head track official will decide if competitors will be given the opportunity to pull again.
9. Standard transmissions must have a steel flywheel and a blow-proof bell housing or S.F.I. blanket. Automatic transmissions must have an S.F.I. blanket.
10. Drive Shaft loops for the front and rear drive shafts and U-joint shields are required. All U-joints must be shielded 360 degrees with 3/8 aluminum or 5/16 steel. All shields must be 6" long minimum and must be centered over the U-joints. The inside of the shield must not be more than 2" larger than the U-joint. Each truck must have 1 loop for the front drive shaft and 3 loops for the rear drive shaft.
11. All driveline components must be for 4X4 vehicles, 1 ton and underweight rating. No drop boxes or reversers.
12. Maximum hitch height allowed is 26" from the top of the hitch to level ground. (Hitch can be lower). Hitch must be a receiver type-towing hitch or a special constructed pulling hitch. No bumper hitches. Hitch must be rigid in all directions with a minimum of a 3 inch wide by 3-3/4 long inside opening. No vertical hitch or openings. From the point of hook

to centerline of rear axle shall be no less than 30% of truck wheelbase and shall not slope any greater than 33 degrees to hitch point. No hitch supports or adjusters, if fastened to the rear housing shall be above the centerline of the rear axle. Pivot pin of the drawbar can be no further forward than the centerline of the rear axle.

13. Suspension modifications are allowed. Any blocked or solid suspension must be safely fabricated and securely fastened to the frame as determined by the tech inspector. No springs required.
14. Each truck is required to have an ABC fire extinguisher in the cab and within reach of the driver. Extinguisher must be a minimum of 2 1/2 lbs.
15. Driver must wear a seatbelt, fire suit (jacket & pants) and helmet. Helmets must be strapped. Drivers must wear leather boots or SFI type fire-proof shoes while pulling.
16. Truck must have operating front brakes.
17. Truck must have rear bumpers at least 8" vertical in height and with a maximum height of 24" off the ground.
18. Truck must have a fan shroud. Radiator must be ahead of the motor between the grill and the engine.
19. No gas tanks, fuel lines or batteries allowed in the truck cab unless factory installed. A fuel cell may be used to replace the original tank but must be securely mounted in the bed of the truck and shielded entirely by .060" steel or aluminum. A fuel tank may be mounted in front of the truck between the weight box and grill of the truck.
20. Axle shields are required. Shield to be .060" thickness steel or aluminum. Shield not to be mounted to axle ends or hub bolts. A single hole may be cut in one to allow locking of hubs.
21. Frames must be OEM from 8" behind center of front axle to center of rear axle. OEM Wheelbase must be retained. All frame alterations are subject to Tech Committee approval for safety factors.
22. For purposes of measuring hitch and weight box distances: 1" x 1" x 1/4" thick tab is to be welded on the top centerline of front and rear axles.
23. The maximum width of truck may not exceed 102"

### **All General Pulling Rules Apply**

***\*\*\*All interpretation of these rules lies with Lorah's Truck Pulls Tech Officials and their decision is final.\*\*\****