

# SECTION VI

## Two-Wheel Drive Pickup

### Specific Rules

*Refer to Section I and II for General and Safety Rules*

NOTE: Vehicles in this division will adhere to all pertinent criteria of modified tractor safety, construction, unless variations are noted.

#### **Body/Chassis**

1. The maximum length of the vehicle is no more than 15 feet from centerline of rear axle to forward most portion of the vehicle including the weight racks.
2. The 15 foot from center of rear axle overall rule will apply to all 2WD vehicles with the exception of a 10-inch over-length allowance for cosmetic fiberglass only. No steel structure, reinforcement, or steel bumpers allowed past 15 feet. Tow hook to be consistent with 15-foot rule.
3. Maximum width of vehicle is eight (8) feet.
4. Vehicle must have a presentable van/pickup bed with cover or flatbed in place.
5. Chassis (frame) may be truck frame or fabricated frame like modified tractors.
6. Vehicle body style must be or have been available from a dealer as mass produced.
7. Vehicle must maintain original appearance.
8. Vehicle appearance: Fiberglass hood scoops, spoilers, fender flares are allowed.
9. Allowed to use stock appearing pickup truck and van fiberglass bodies and parts.
10. Driver must be in original driver compartment.
11. All 2WD vehicles must have a presentable front windshield of glass, Plexiglas or Lexan. Does not have to be a full windshield.
12. Hood line variance: original hood line should be kept and a 3-inch maximum clearance opening will be allowed for speed equipment.
13. Vehicle to conform to provisions of modified tractor engine shielding.
14. All 2WD vehicles must have bumpers to prevent vehicles from passing over buckboard of sled while backing up to hook or unhook.

#### **Frame**

1. Tubular steel frame allowed.

NOTE: This allowance applies only to pickup truck style bodies of the following models: 1994 Dodge or newer, 1996 Ford or newer and 1998 Chevy/GMC or newer.

#### **Wheels/Weights/Tires**

1. Weights are not to extend forward of maximum length stated in Rule Body/Chassis #1, not rearward more than 12-inches from hitch point and must not interfere with hitching and unhitching of vehicle.

2. Any factory production body truck or van is allowed including passenger-type vehicles.
3. Must run a minimum of 14-inch front rims with an automotive or front tractor tire.
4. Any wheelbase is permitted.
5. Front wheel and axle to remain in the visual center of the front wheel well. Maintain minimum of 2-inches of complete original type wheelhouse forward of front wheel. Must be able to see forward most part and rearward most part of tire from a side view.
6. Rear tire diameter shall not exceed 143-inch circumference when mounted on an 18-inch rim and inflated to 28 PSI. The ground patch is not to exceed 19-inches based on the original tread.
7. Maximum pull distance is 340 feet.

### **Driveline/Clutch**

1. No electric, pneumatic or hydraulic devices that effects the clutch system are allowed. All staged or variable released clutches of any description prohibited. (This does not affect slave cylinder for clutch pedal.)
2. All 2WD vehicles engine/automatic transmission combinations must have either:

NOTE: Engine to clutch transmission to be constructed like the modified tractors. Torque converters, automatic shifts, etc. are permitted.

### **Engine/Engine Limitations**

1. Two front engine mounts, two rear engine mounts, and a support saddle for rear of transmission, with 1/2-inch maximum clearance; OR
2. Two front engine mounts, support saddle at rear of engine, with 1/2-inch nylon strap in the middle of that span to secure the drive shaft to the frame.
3. 2WD NSPA Competition – a limit of 575 cubic inches and two (2) valves per cylinder.
4. There will be no timing delay devices allowed.
5. Engine must be in stock location, which is defined as being within engine compartment as manufactured, behind stock grill and in front of stock firewall.
6. Vehicle may run without radiator and engine may be moved forward but engine must stay behind the grill.

NOTE: Entire engine is to mean anything that is bolted to the engine block. Except for high performance type starters with crankshaft drive, rear of engine block may not be moved forward of center line of front axle. The engine is any engine or its replica available in a passenger car. Maximum of eight (8) cylinders. A replica to be considered legal must accept and swing a stock crankshaft. No diesel engines permitted.

### **Turbo Chargers**

1. Allow only single staged turbochargers in the division and must therefore follow the safety rules that apply to all turbocharged engines which are found in the General Rules Section under Supercharger/Turbocharger.

### **Fuel**

1. Fuel injection and carburetors and headers may protrude through the hood.

2. Race Methanol is permitted.

NOTE: Bubble or scoop is optional, but if used, the scoop or bubble must cover the carburetor(s) of fuel injection, if induction system protrudes through the hood.

### **Exhaust**

1. Vehicle must have vertical exiting exhaust.
2. Height of pipe must be a minimum of one-foot above the bend.

NOTE: Vertical is defined as "being in plumb" with a 10-degree variance in any direction permitted.

### **Hitches**

1. All trucks must have floor and bed covers.
2. Trucks may compete without tailgate or rear door(s) or cargo area for greater hook point visibility.
3. No portion of the vehicle may interfere with sled, chain or hook during a pull, or while being hooked or unhooked.
4. An area 6" wide and 12" high immediately above the drawbar must be free of all obstructions (including weights, wheelie bars, second drawbars, etc.) for ease of hooking and unhooking.
5. Hitch angle to be parallel to the ground.

### **Driveline and Shielding**

1. All trucks must have three round metal loops shielding in each driveshaft (two-piece driveshaft will have six metal loops). 360-degree loop must be a minimum of 3/8" thick aluminum or 5/16" steel, 3/4" wide (or wider) and not more than 2" from the shaft in any direction. End loops to be placed no further than 6" from U-joints, with third loop in the center of shaft, or can be solid tube (3/8" aluminum or 5/16" steel) meeting the above requirements. If planetary reductions at wheels are used, then modified tractor driveshaft shield criteria applies. All drive shafts between engine and transfer case must have solid shielding of 3/8" aluminum or 5/16" steel (minimum).
2. All trucks will have 360-degree metal shield around all U-joints, 3/8" aluminum or 5/16" steel minimum. Width must be 6" at minimum. In all divisions, if u-joints are used in any driveshaft application, the shielding must be 3/8" aluminum or 5/16" steel, with 1/8" steel insert in aluminum. The insert must be a minimum of 6" wide. If a split design is used, mount as described in Driveline Shielding Rule #1.
3. Axle and hub bolt shield required, except where planetary final drives are used. Shielding must be a minimum of 0.060" thick. Minimum diameter of axle end or hub bolts to be covered on both front and rear axles. Mounting shield cannot be mounted to axle end or to hub bolts. A hole may be installed in center of front shield so lock can be operated (so long as hub end or axle bolts are covered).
4. No counter balancers permitted in driveline.
5. Engine to clutch to transmission to be constructed and shielded like modified tractor (see Clutches, Flywheels and Automatics). Transmission to final drive to be constructed and shielded like Modified 4x4 unless planetary rear end used. If planetary final drive is used, modified tractor shielding to be used.

**Safety**

1. All vehicles must have a complete firewall with no holes except for controls. All vehicles that do not have working doors must carry an on-board fire system Type C with a minimum of four (4) nozzles located within the driver's compartment/engine compartment.
2. All flip-top type bodies must have a safety lock to hold up the body.
3. All shielding on superchargers, turbochargers, centrifugal superchargers, intercoolers, etc., are to be the same as modified and super stock tractors.