

2018 4 CYLINDER TRUCK RULES

The rules herein shall refer to Adirondack International Speedway as "AIS". These rules are intended to create affordable and fair competition. While they offer a good outline, every item cannot be covered by a written rule. Any questions regarding any item not specifically covered in these rules should be addressed with AIS Officials prior to proceeding. No car, Component, or equipment will be considered as having been by reason of having perviously passed through inspection unobserved or undetected. All equipment is subject to inspection and approval by AIS Officials. You may be assessed penalties including, but not limited to: added weight, fines, loss of points, loss of handicapping, and suspension, car parts, componets, and/or equipment deemed as not in compliance with these rules. Any car part, component, and/or equipment which does not conform to the specifications or tolerances conatined in the 2018 rules book or is not otherwise approved by AIS may not be used in competitiin 2018, and is subject to confiscation at the discretion of AIS Officials

By competing at AIS, you agree to have read the AIS 2018 General Rulebook and the 2018 ais 4 cylinder Truck Rulebook

NOTE: OEM= Original Equipment Manufacturer

1. APPROVED MODELS

- 1.1 This division is open to 2011 or older maximum eight valve, 4 cylinder pickup trucks.
- 1.2 Trucks must be non-turbo, rear wheel drive only.
- 1.3 4-wheel drive conversions and SUVs are NOT permitted.
- 1.4 All OEM parts for the make and model of the truck being used
- 1.5 All trucks must maintain wheelbase as manufactured - making a long box into a short box is NOT permitted
- 1.6 Maximum wheel width WILL NOT exceed 74" frony or back, measured from outside tire at the bttom of tire where it meets the blacktop surface.
- 1.7 All trucks must register the year, make and model to tech officials failure to do so may result in a dsqualification

2. CHASSIS/FRAME

- 2.1 Truck frames in good condition ONLY will be permitted

- 2.2 NO cutting, welding, chopping, shorting, lowering or widening of the frame is allowed

3. DRIVER SAFETY EQUIPMENT

- 3.1 Full body SFI rated fire retardant suit is recommended. Either a one-piece or two piece suit acceptable. If fire appears weathered, burned, or otherwise compromised, or if SFI tag is not visible/legible. Ais Officials reserve the right to reject any suit.
- 3.2 SFI rated fire retardant undergarments are recommended
- 3.3 Approved SFI rated racing shoes or leather work boots are mandatory. ABSOLUTELY no sneakers allowed. Fire retardant socks recommended.
- 3.4 Fire retardant racing gloves required
- 3.5 All drivers must have a full face DOT helmet that meets a minimum Dot rating with no sign of previous damage. NO open face helmets permitted.
- 3.6 Neck collar or head and neck restraint device is recommended for your safety.

4. OVERALL CAR WEIGHT

- 4.1 All specified weight requirements will include the driver and race gear. The minimum total weight for all trucks is 2,600 pounds. Maximum left side weight of all trucks is 58% of the total weight. Weight must be displayed on the hood of the truck.

5. ADDED CAR WEIGHT

- 5.1 Added car weight must be in block form magnetic steel or lead only of no less than five (5) pound blocks (no pellets). Added weight must be securely bolted to the frame rail and painted white with the truck number stenciled in black. No added weight will be permitted inside the drivers compartment. weight must be welded in a box or attached with two (2) or more 7/16" diameter (minimum) grade 8 bolts and locking nuts.

6. WINDOW NET

- 6.1 All trucks must have an SFI approved net properly installed in the drivers window area. Must have a quick release latch this is mandatory.

the bottom and two at the back)

- 10.3 A padded right side headrest is mandatory
- 10.4 Must use SFI approved racing harness with a minimum of five (5) points, properly mounted to the roll cage. Belts must be three (3) inches wide and have a quick release latch. Restraints must be dated within five (5) years of the date of use. Date stamp must be legible harnesses with illegible date stamps will NOT be permitted. AIS Officials reserve the right to reject any harness that shows discoloration or wear.
- 10.5 All trucks must have a securely fastened, on board fire extinguisher in reach of the driver. A fire suppression system may be used for additional safety/security.

11. GENERAL ENGINE REQUIREMENTS

- 11.1 All trucks maintain stock engine location as manufactured. No moving mounts or lowering or moving back of engine. Must use stock mounts, including rubber mounts.
- 11.2 It is recommended that the engine be identical to the make, model and engine size of the truck as manufactured. All engine parts must remain unmodified and identical to OEM parts for the year and make and model of the truck. Trucks must be factory 8V motors.
- 11.3 Dodge Dakotas may use Ford or Chevy 8 valve engines to be competitive. You will be held to the engine rules of the make of engine you choose. *MAZDA MAY ALSO USE FORD 8 VALVE ENGINES. YOU WILL BE HELD TO FORD ENGINE RULES*

12. ENGINE COMPONENTS

- 12.1 Pistons must be of OEM stock height, OEM stock material, with an identical OEM stock combustion surface. May overbore up to .040" in diameter only. Any replacement piston must be equal to or greater in weight than the OEM stock piston or flat top pistons are permitted. NO Dome pistons allowed. NO coated pistons allowed. NO exceptions.
- 12.2 Engine deck height must remain OEM stock.
- 12.3 Cylinder head must remain factory stock. No larger valves or porting permitted.
- 12.4 The only carburetor allowed will be a Holley 350 cfm #OT7448 2 barrel. No HP metering plates. May use a spacer for carburetor no thicker than one (1) inch. May use an adapter to mount carburetor, but a spacer/adapters cannot total more than one (1) inch thick. Paper gaskets only.

7. WINDSHIELD/REAR WINDOWS

- 7.1 Windsheild must be OEM glass, Lexan, or wire mesh with at least two 1"x1/8" straps welded from top of windsheildto bottom of windsheild.
- 7.2 You may run rear window, made of Lexan only. Must have a safety strap in the center.

8. REAR VEIW MIRROR

- 8.1 Absolutely NO mirrors allowed

9. CAB AND BODY

- 9.1 Removal of inner roof panel allowed.
deck lid of box may be aluminum.
- 9.3 Inner panels on fenders may be removed.
- 9.4 Cab structure should remain in tact for safety
- 9.5 Bumpers must remain stock in appearance in front and rear.
- 9.6 Aftermarket nose piece or rear tail piece - plastic ONLY - will be allowed. NO fiberglass
- 9.7 Rub rails may not protrude past tire width, 1"x2" tubing mounted tight to doors with some sort of end caps.
- 9.8 Spoilers may be used, with a maximum height of five (5) inches. Spoilers may not extend past the sides of the box. No angeling of spoiler or no adjustable spoiler
- 9.9 Side skirts are allowed but musy maintain a 4" ground clearance-no exceptions

10. INTERIOR

- 10.1 All interior uphoistery and carpeting must be removed
- 10.2 May use OEM dashboard, or may replace it with an aftermarket dash. An aluminum, high-backed racing seat is mandatory. NO fiberglass seats permitted. Must be securely mounted to frame or roll cage in minimum of six (6) points (four at

- 12.5 No porting of intake manifold.
- 12.6 For fuel injected models, OEM fuel injection must be used. OEM size injectors and OEM size throttle bodies must be used. ECU must be stock style. Ford Rangers must use ONLY the grey OEM color injectors with a 14lb/hr rating. No exceptions on fuel injected models.
- 12.7 Mass air flow sensors, if equipped, must remain OEM size housing and sensor for make and model of truck with no modifications. No chip ignition box.
- 12.8 Must use stock ignition for model of truck, aftermarket plugs, wires and coils are permitted.
- 12.9 All valve train components- including timing gears, belts and chains - must be OEM. No adjustable timing gears.
- 12.10 Camshaft and all valve components must be OEM for the year, make, model and engine size of truck being used. Absolutely NO off set or adjustable key ways allowed. Springs can be changed to match the camshaft.
- 12.11 10.1 compression ratio max.

13. BATTERY

- 13.1 Battery must be mounted in engine compartment or behind cab in a box. NO batteries permitted in the Driver's compartment. The battery must be in a box and securley fastened.
- 13.2 All trucks must have a main power disconnect located within reach of the driver and clearly marked. Power disconnect must shut off the WHOLE electrical system - a key witch does not and cannot take the place of the main diconnect. This is mandatory.

14. RADIOS

- 14.1 Monitoring of AIS Race Control on frequency 454.000 is mandatory via a RaceVlever, microscanner, or receiver. The approved one-way receiver must be mounted in plain view for inspection. Any car not monitoring the Race Control frequency during practice will be black-flagged to be made aware of their failure and is required to remedy it before proceeding further in the event. Any car not monitoring the Race Control during competition may be removed from thre track at the discretion of AIS Officials. No other form of one - or two-way communication is permitted in the car at any time.

