



ORANGE SHOW SPEEDWAY

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Section 14

2008 ASA FACTORY FOUR'S TRUCK DIVISION

GENERAL RULES AND REGULATIONS

RULES AT A GLANCE

Stock Chassis

1990 and older Models

Must have Service Manual for Model being Used

54% Left Side Weight

100" min. Wheelbase

Stock OEM 4 Cylinder Engine

350 C.F M. Two Barrel Carburetor

Stock OEM Intake/Exhaust Manifolds

Stock OEM Suspension Components

7" Steel Wheels same offset all four (4) corners

Right front wheel must be double centered and welded for reinforcement

NOTICE: ALL EQUIPMENT IS SUBJECT TO THE APPROVAL OF TECH OFFICIALS. NO EQUIPMENT WILL BE CONSIDERED AS HAVING BEEN APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION. ALL MEMBERS ARE REQUIRED TO BE FAMILIAR WITH ALL ORANGE SHOW SPEEDWAY TRACK RULES AND ALL RULES IN THEIR DIVISION

14-0 BODY REQUIREMENTS

14-0.1 Any American/foreign made truck 1990 year model or older.

14-0.2 Complete stock from original design of make, model and year.

14-0.3 Rear spoilers permitted. Maximum 5" tall

14-0.4 Wheel well may be cut for tire clearance only. Subject to tech approval

14-0.5 Floorboard covering such as carpeting, door panels, headliner, and insulation must be removed. Holes must be filled in floor and firewall with metal.

14-0.6 Front seat must be removed, and replaced with aluminum racing seat.

14-0.7 Doors and tailgate must be welded or bolted shut.

14-0.8 Stock Hood latch must be removed including safety latch. Three (3) hood pins will secure Hood across front. Must maintain rear hinges.

14-0.9 Bed cover allowed. Minimum rear 1/3 of cover must be hinged to open, secured with hood pins.

14-0.10 All trucks must present a service manual for truck year make and model upon request from the Chief Technical Inspector.

14-1 WINDOWS

14-1.1 Minimum of 1/8 inch thick LEXAN® windshield must be used to cover the windshield opening.

14-1.2 No rear window or side windows allowed.

14-1.3 Windshields must be supported between the dash bar and roof halo bar with a minimum of Three (3) evenly spaced metal straps 1/8 inch by 1 inch or a single 1 1/2" Inch bar in the center of the windshield welded to the dash bar and roof halo bar.

14-1.4 All mirrors including mount locations subject to specific tech approval.

14-1.5 Left side mirrors allowed. Maximum 4" diameter and must mount inside truck.

14-2 HEIGHT, WEIGHT AND CHASSIS DIMENSIONS

14-2.1 No minimum weight required, however, intentionally lightening of truck which jeopardizes the integrity of the truck is not allowed.

14-2.2 Added weight blocks must be mounted in truck bed or attached to frame.

14-2.3 All bolt on weight must be painted white, numbered with truck number on each weight, and be no smaller than five (5) pounds. No bb's allowed.

14-2.4 Left side weight maximum is 54% with driver.

14-2.5 Stock frames only. No modifications allowed. All repairs to frame are subject to tech approval.

14-2.6 A minimum wheelbase of 100" will be allowed. Left side and right wheelbase must be within 1/2".

14-3 ENGINE SPECIFICATIONS/REQUIREMENTS

14-3.1 Four- (4) cylinder engines only. Part numbers must match for truck make and model.

14-3.2 Engines must remain stock, no performance parts of any kind allowed. No modifications allowed to any engine parts. Maximum compression allowed is 9 to 1.

14-3.3 Camshaft must be stock for make and model, adjustable cam gear is not allowed.

14-3.4 Rotary engines not permitted.

14-3.5 Carburetors must be a Holley 350 CFM part #7448 or Holley Keith Dorton #80787. No modifications allowed. Carburetors box stock except for the following: 1) Gasket, bowls seal, accelerator pump squirter, power valve, jets, sight plug, choke plate and shaft may be removed. Carburetor adapters only, no spacers allowed.

14-3.6 Fuel injection permitted if truck came originally equipped as fuel injected. If equipped with electric fuel pump, make sure pump is wired through oil pressure switch. If vehicle is not equipped with a switch, switch must be added.

14-3.7 No turbo, super chargers or nitrous allowed.

14-3.8 Two (2) throttle return springs are mandatory, and must be mounted to engine block. Throttle cable replacement recommended yearly.

14-4 AIR CLEANERS AND FILTERS

14-4.1 No cold air induction allowed, stock air cleaners only, must be OEM type.

14-4.2 No air deflector allowed.

14-4.3 Dry paper filter or **K & N Filter Required**

14-4.4 Top and bottom of air cleaner must be solid and same diameter.

14-4.5 Tubes, funnels, or any device which may control the flow of air will not be permitted inside the air cleaner. No vacuum leaks.

14-5 ENGINE LOCATION AND MOUNTS

14-5.1 Engine oil pan height must not be less than bottom of cross member.

14-5.2 Crankshaft must be centered within one (1) inch of the vehicle's front tread width.

14-5.3 All mounts must be securely bolted in stock location. Adjustable mounts are not permitted.

14-6 ELECTRICAL SYSTEM

14-6.1 Battery must be located behind driver's cab between the frame rails or in the truck bed, in front of the rear end housing.

14-6.2 Must be securely fastened and sealed in minimum 18 gauge, leak-proof steel box. Lid must be removable without tools.

14-6.3 All trucks must have a Red brake light located on center of rear of cab. Brake lights must function at all times.

14-6.4 No kill switches allowed on brake lights.

14-6.5 All trucks must have an electrical master kill switch mounted inside cab on the centerline of truck and within reach of driver. Master kill switch must also be reachable from both sides of truck and must be wired to oil pump pressure master switch.

14-7 ENGINE COOLING SYSTEM

- 14-7.1 Fan shroud mandatory.
- 14-7.2 No fiberglass flex fans.
- 14-7.3 Fan mandatory, bolted on motor, in stock location
- 14-7.4 Electric fans are allowed if they came stock for that make, model and year.
- 14-7.5 Radiator catch can required, no less than 1 qt., securely fastened in the engine compartment. Catch can must be located in the engine compartment with a hose onto lower right edge of windshield.
- 14-7.6 Anti-freeze or engine coolants not permitted.
- 14-7.7 Water wetter allowed.

14-8 ENGINE EXHAUST SYSTEM

- 14-8.1 Stock cast iron exhaust manifold only. No molesting of manifolds.
- 14-8.2 Exhaust must exit behind driver and must run under stock floorboard.
- 14-8.3 Headers not permitted.
- 14-8.4 An approved muffler is mandatory, must not exceed 95 db @ 100 feet. Violators will be disqualified.

14-9 DRIVE TRAIN

- 14-9.1 Any stock transmission for same make and model.
- 14-9.2 No modifications allowed. All gears must function.
- 14-9.3 Rear wheel drives only.
- 14-9.4 Stock rear end for that make, model and year.
- 14-9.5 Locked, limited slip or posi-traction rear ends allowed. No aftermarket differentials..
- 14-9.6 No aftermarket pedal assemblies allowed.
- 14-9.7 No cambered rear ends allowed.
- 14-9.8 Drive line straps, 1" x 1/8" required, mounting to be within 6" of the U-joints are required.
- 14-9.9 Drive shaft must be painted white for on track visibility in the event it should become separated from the truck.

14-10 FRAMES/CHASSIS/ROLL CAGES

- 14-10.1 4 point cage will be required. 1 ½ " diameter, .090 wall with gussets as needed, welded to 4" X 4" plates bolted to floor or welded to frame.
- 14-10.2 Three (3) door bars inside driver's door. Driver door bars must be covered with 1/16" thick metal plate top to bottom from front to rear up-rights. Welded to outside edge of door bars.
- 14-10.3 Roll bars may not reinforce the body or frame to alter the geometry of the truck, or to increase performance capabilities but only to serve as a safety feature.
- 14-10.4 A front radiator loop may be installed, made of same material as the roll cage. No more than two down tubes from front loop to frame shall be used and front loop may not extend past ends of frame.
- 14-10.5 Galvanized, aluminum, or exhaust type tubing is not permitted!
- 14-10.6 Approved padding must be used at any point where driver might contact roll cage.
- 14-10.7 Two (2) bars, 1 ½ " diameter may pass through rear window to truck bed. Welded to roll cage, attached to bed only. May not be attached to frame. Bars allowed for aesthetic purposes only.
- 14-10.8 Stock OEM front bumper only, no reinforcing.
- 14-10.9 All bumpers must be fastened to fenders and quarter panel in such a manner that will prevent "hooking".
- 14-10.10 Rear bumper must be fabricated. Maximum 2" X 2" 0.90 square or round tube, and attach to frame in two places only. Must not stick out past the body. Rear nerf bar mandatory. Nerf bar must attach to bottom of bumper and extend 6" down measured from bottom of bumper to bottom of nerf bar, and attach to bumper at both ends only.
- 14-10.11 All installations subject to tech approval.

14-11 SUSPENSION AND BRAKES

- 14-11.1 Stock OEM or stock replacement shocks only. No adjustable shocks.
- 14-11.2 Stock width on rear leaf springs.
- 14-11.3 Lowering blocks allowed on each rear spring. Variance on rear frame heights may not exceed +/-1" left to right.
- 14-11.4 Stock shackles must be used on rear springs.
- 14-11.5 Maximum camber on front wheels is +/-5 degrees.
- 14-11.6 May run overload springs on right side only.
- 14-11.7 No racing springs allowed.
- 14-11.8 Stock suspension components only.
- 14-11.9 No lengthening or shortening of control arms permitted.
- 14-11.10 Rear springs must be mounted in stock location only.
- 14-11.11 Stock brake system for make, model and year. Brakes must function at all times.
- 14-11.12 No adjustable brake bias. No aftermarket pedal assemblies or master cylinders allowed.
- 14-11.13 No straight front axle vehicles allowed.

14-12 STEERING COMPONENTS

- 14-12.1 Stock steering for make, model and year. No modifications allowed
- 14-12.2 Stock steering components only.
- 14-12.3 No steering quickners allowed, including gear box quickners.
- 14-12.4 Quick release steering wheels are required. Quick connect must be made of steel or aluminum. A pad of at least two (2) inches thick must cover the steering wheel hub.
- 14-12.5 Steering column must be collapsible. U joints are acceptable.

14-13 FUEL SYSTEM

- 14-13.1 Only Track Approved Fuel will be permitted for use and must be purchased from track fuel vendor. The chemical composition of the fuel may not be altered by any means. Any competitor competing with a fuel product not purchased from OSS authorized Fuel distributor will be considered illegal.
- 14-13.2 Fuel cell mandatory. Mounting will be in bed area and secured with four (4) straps, top and bottom, with a minimum of 1/8" x 1" steel. Cell may drop through bed but must not be lower than the lowest point of the rear frame.
- 14-13.3 Maximum fuel capacity is 22 gallons.
- 14-13.4 Fuel cell must have a vent hose and the hose must have a ball type check valve in the end.
- 14-13.5 Fuel cell must be totally enclosed in an 18 gauge steel box with a 1/2 inch drain hole in the lower right rear corner. Ground strap required from fill neck to frame. Fuel cell cap must have a tether.
- 14-13.6 If fuel line runs through drivers compartment, it must pass through a metal tube sealed at both ends.
- 14-13.7 Electric fuel pump allowed only if vehicle was factory equipped with an electric fuel pump. Electric fuel pump must be equipped with an emergency cut off switch connected to the engine oil pressure switch.
- 14-13.8 Electric fuel pump must be mounted outside of driver's compartment, recommend that pump be mounted on underside of car in a safe location.

14-14 TIRES AND WHEELS

- 14-14.1 Steel wheels only. Right front oversize lug nuts required. Recommended oversize studs and nuts for all four wheels
- 14-14.2 Wheel spacers are not permitted
- 14-14.3 Wheels must 7" wide maximum same offset all four (4) corners
- 14-14.4 Dual air valves or bleeders not permitted.
- 14-14.5 Use of the track specified tire is mandatory and must be purchased at Orange Show

Speedway. Soaking, softening or otherwise altering the composition of tires is not permitted, and is a fineable offence.

14-14.6 Right front wheel must be double centered and welded for reinforcement.

Notes: