



ORANGE SHOW SPEEDWAY

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Section 15

2008 ASA FACTORY FOUR'S CAR DIVISION

GENERAL RULES AND REGULATIONS

RULES AT A GLANCE

Stock Chassis

1990 and older Models

Must have Service Manual for Model being Used

52% Left Side Weight

Min. Weight of 2,000lbs

Engines over 100 horsepower must add 5 lbs per horsepower (example: 135 horsepower engine must weigh 2175 lbs)

Max. Wheelbase is 105"

Stock OEM 4 Cylinder Engine

Max. of 135 Horsepower

Stock OEM Carburetor, Ignition, and Exhaust

Stock OEM Suspension Components

Stock Type 6" Wide Maximum Steel Wheels All four (4) wheels must be same offset.

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

15-0 BODY REQUIREMENTS

15-0.1 Any American/Foreign made automobile manufactured for the American Market, 1990 model year or older, front or rear wheel drive allowed. 1988 and newer Honda CRX not allowed.

15-0.2 No limited production or performance models allowed. Production must exceed 10,000 units to be eligible. Examples: no Cosworth Vegas, Shelby Chryslers, etc.

No supercharged or turbocharged vehicles.

15-0.3 Complete stock original bodies only. Hatchback models must retain rear hatch. Spoilers permitted if car came as original equipped.

15-0.4 No Jeeps, convertibles, trucks, mini-vans, SUV's allowed.

15-0.5 Station wagons are permitted. No rear or mid-engine vehicles.

15-0.6 Bodies must remain stock. No cutting of exterior body panels of any kind allowed.

15-0.7 All insulation from under hood and trunk areas must be removed.

15-0.8 Rear seat must be removed

15-0.9 Flammable materials such as carpeting, door panels, headliner and insulation must be removed. Holes must be covered with 22 ga. or thicker steel plate attached by rivets, bolts, or welded to floor and firewall.

15-0.10 Doors must be welded or bolted shut. Subject to tech approval.

15-0.11 All interior sheet metal must remain intact, including fender wells, hatch, hood, etc.

Doors may be gutted for installation of door bars on roll cage. Inside door panels may be trimmed to allow for roll bar clearance.

15-0.12 Factory service manual or aftermarket service manual required. Manual must show engine options, technical data, heights, weights, and additional manufactured listed option items.

- 15-0.13 VIN # identification must remain intact, and visible to tech inspectors at all times.
15-0.14 Stock hood latch must be removed including safety latch. Three (3) hood pins will secure Hood. Stock hood hinges must remain. Trunk or rear hatch latch must be removed. Two (2) pins will secure trunk or rear hatch.
15-0.15 Subject to Tech approval

15-1 WINDOWS

- 15-1.1 Glass windshield must be removed and replaced with a minimum 1/8 inch thick clear LEXAN® windshield. Must be securely mounted and approved by the Chief Technical Inspector.
15-1.2 Windshields must be supported between the dash bar and roof halo bar with a minimum of Two (2) 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 the roof halo bar.
15-1.3 All other glass must be removed.
15-1.4 All side trim, marker lights, must be removed.
15-1.5 Headlights and taillights must be removed (except rear center mounted brake light)

15-2 HEIGHT, WEIGHT AND CHASSIS DIMENSIONS

- 15-2.1 Weight distribution may not exceed 52 per cent left side weight with driver in car.
15-2.2 Minimum weight 2000 lbs. Any engine over 100 horsepower must add 5lbs per horsepower not to exceed 135 horsepower.
15-2.3 Car must weigh at least 2000 lbs. This rule subject to change and / or adjustment as deemed necessary, solely at Chief Technical Inspector's discretion.
15-2.4 Added weight must be used to meet vehicle weight requirements.
15-2.5 Added weight is to be securely mounted to the floor in passenger area of the car. Weight must be painted white and marked clearly with car number. 15-2.6 Wheelbase maximum 105".
15-2.7 2 wheel drive only, no 4 wheel drive, no 4 wheel steering
15-2.8 No former racecars allowed (i.e. Stock Pony)

15-3 ENGINE REQUIREMENTS

- 15-3.1 Four Cylinder Original equipment (OEM) engines only. American Market engines only. Engines must be stock for make, model and year.
15-3.2 Maximum horsepower allowed is 135 published horsepower.
15-3.3 No performance parts allowed. No performance modifications or alterations to Factory Specifications.
15-3.4 Rotary engines are not permitted
15-3.5 No air-cooled engines.
15-3.6 Engines must be inspected by Technical Inspector prior to first event of 2008 season. Any new competitors must complete procedure to meet eligibility.
15-3.7 All engine rebuilds must be pre approved by the Chief Technical Inspector.
15-3.8 No Variable Timed Camshaft engines allowed.
15-3.9 Carburetor must be original and stock for make, model and year. No performance modifications to any carburetor allowed. Exception: Aftermarket replacement Carburetor may be used, must mount to stock manifold with no blocks or spacer plates added. Subject to tech approval.
15-3.10 Removal of choke assembly allowed.
15-3.11 Fuel injection permitted if car came originally equipped as fuel injected from the manufacturer. Fuel injection system must remain stock for make, model and year, no modifications allowed.
15-3.12 Two throttle return springs mandatory, mounted to engine or manifold.
15-3.13 All under hood air conditioning and cruise control components must be removed.

15-4 AIR CLEANERS AND FILTERS

- 15-4.1 No cold air induction allowed, standard air cleaners only.
15-4.2 No air deflector allowed.
15-4.3 Dry paper filter or **K & N Filter Required**

15-4.4 Top and bottom of air cleaner must be solid and same diameter.

15-4.5 Tubes, funnels, or any device which may control the flow of air will not be permitted inside the air cleaner. No vacuum leaks.

15-5 ENGINE LOCATION AND MOUNTS

15-5.1 All mounts must be securely bolted and adjustable mounts are not permitted. Engine must remain in stock OEM location.

15-6 ELECTRICAL SYSTEM

15-6.1 Battery must be mounted in passenger compartment in 16 gauge or heavier metal container. No marine or plastic type containers allowed. Battery Box is to be mounted in the area formerly used for the stock rear passenger seat.

15-6.2 All cars must be equipped with a functioning third brake light located in center of rear hatch or window opening. No kill switches allowed on brake lights. Brake light must work at all times.

15-6.3 Battery cut off switch required, mounted in centerline of car and within reach of driver. Master kill switch must also be reachable from both sides of car. Must be clearly marked.

15-7 ENGINE COOLING SYSTEM

15-7.1 Electric fan allowed if they come stock for that make, model and year.

15-7.2 Radiator catch can required, no less than 1 quart. Radiator catch can must be securely fastened in engine compartment. Catch can must be located in the engine compartment with a hose onto lower right edge of windshield.

15-7.3 Water only or water with water wetter only. Anti-freeze is not permitted.

15-8 ENGINE EXHAUST SYSTEMS

15-8.1 Stock exhausts system only. No performance modifications to stock exhaust system allowed.

15-8.2 Catalytic converter may be removed.

15-8.3 Headers are not permitted

15-8.4 Stock or stock replacement mufflers required. An approved muffler is mandatory, must not exceed 95 db @ 100 feet. Subject to Tech approval. Violators will be disqualified.

15-9 DRIVE TRAIN

15-9.1 Stock transaxle or transmission/differential for make, model and year only. No modifications allowed.

15-9.2 No locking of transaxle or differential allowed.

15-9.3 Stock gear ratios only, Transmission and Differential.

15-9.4 No aftermarket pedal assemblies allowed.

15-9.5 CV boots must be in good condition and free of cracks, holes, etc.

15-9.6 No cambered rear ends allowed with cars with a rear straight axle differential.

15-10 FRAMES/CHASSIS/ROLL CAGES

15-10.1 Stock unibody or stock frames only for year make, model and manufacture.

15-10.2 No performance modifications to stock unibody or stock frames allowed.

15-10.3 Left side and right wheelbase must be within 1/2".

15-10.4 A Four (4) point roll cage will be required. 1 1/2 diameter, .090 wall with gussets as needed, welded to minimum 1/8" thick, 4" X 4" plates and welded or bolted to floor with 4 3/8" grade 5 or better bolts. If bolted, must also use minimum 1/8" thick 4"X4" plates on bottom side of floor.

15-10.5 A front radiator protector hoop constructed from same material as main cage is permitted. Can only attach to front frame in Four (4) places. May only attach to main cage in Two (2) places. No cross braces or bars may be ran from one side to the other except in front of the

radiator where a maximum of two cross bars may be used.

15-10.6 Must have Three (3) door bars on each side of car. A (X) will be permitted on right side only. Roll bars may not reinforce the body or frame to alter the geometry of the car, or to increase performance capabilities, but only to serve as a safety feature.

15-10.7 Driver's side must have minimum 1/16" steel plate welded to outside of driver's door bars.

15-10.8 Approved padding must be used at any point where driver might contact roll cage.

15-10.9 A rear hoop may be installed attached to the rear of the main cage in two places only. It must lay flat on top of stock rear package tray and welded to stock sheet metal only.

Two rear kicker bars may be installed from the top rear of the main cage, to the rear of the rear hoop. No other rear bars permitted.

15-10.11 All welds must be of quality workmanship. Subject to tech inspection and approval.

15-10.12 All installations are subject to tech approval. 15-10.13 Stock bumpers only, no reinforcing.

15-11 SUSPENSION/BRAKES

15-11.1 Stock OE parts for make and model only.

15-11.2 Maximum +/-3 degrees camber allowed on front wheels only. Only stock adjustment methods may be used as indicated in service manual.

15-11.3 Rear wheel camber must remain at factory specifications as indicated in service manual.

15-11.4 Stock OEM or OEM replacement shock absorbers only. No modifications of any shock or strut allowed such as bending, welding, etc..

15-11.5 No performance or adjustable shock absorber or strut of any type allowed.

15-11.6 Stock OEM or OEM replacement suspension bushings only, no solid suspension bushings permitted.

15-11.7 Stock OEM sway bars only, must be stock for year, make, model and manufacture.

15-11.8 Stock OEM springs. Cutting to maintain stock ride height allowed, no other modifications. Car must remain within 97% - 100% of stock height as indicated in service manual without driver.

15-11.9 Left and right side of vehicle must be at the same height without driver.

15-11.10 No spring spacers, wedges or blocks allowed.

15-11.11 No suspension mounting point may be relocated or altered in any way.

15-11.12 Stock suspension adjustments only as indicated in service manual. Stock brake system only, in good working order.

15-11.13 No adjustable brake bias. No modification of brake lines permitted.

15-11.14 Cross-drilled Rotors allowed on front brakes only as long as car originally came equipped.

15-11.15 No parking brake allowed.

15-11.16 No aftermarket pedal assemblies or master cylinders allowed.

15-12 STEERING COMPONENTS

15-12.1 Stock OEM steering for the make and model. No modifications allowed.

15-12.2 No steering quickeners allowed.

15-12.3 Steering wheel quick release allowed and recommended.

15-12.4 A pad of at least two (2) inches thick must cover the steering wheel hub.

15-13 FUEL SYSTEM

15-13.1 Fuel cell mandatory. Fuel cell must be centered between frame rails in rear trunk area. Fuel cell must be TOTALLY ENCLOSED in an 18 gauge steel container and mounted with two (2) 1/8" by 1" straps lengthwise and crosswise.

15-13.2 Fuel cell foam required.

15-13.3 Fuel Cells must be grounded - filler neck to ground. Fuel cell cap must have a tether.

15-13.4 Fill spout to be located inside trunk.

15-13.5 Full firewall mandatory between driver's compartment and fuel cell area. Firewall to be constructed of minimum 22 gauge steel.

15-13.6 Maximum fuel capacity 22 gallons.

15-13.7 Fuel cell and vent hose must have a roll over valve.

15-13.8 No nitrous, alcohol, or fuels that will mix with water allowed.

15-13.9 Any fuel line passing through driver's compartment must be enclosed in steel tubing and subject to tech approval.

15-13.10 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.

15-13.11 Electric fuel pump must be mounted outside of driver's compartment, recommend that pump be mounted on underside of car in a safe location.

15-14 TIRES AND WHEELS

15-14.1 Stock type steel wheels only. All wheels must be of same size and offset.

15-14.2 One inch (1") oversize lug nuts required on all four wheels

15-14.3 Wheel spacers are not permitted

15-14.4 Maximum rim width 6 inches.

15-14.5 Shaving, soaking, Grooving, checking or other tread modification of tires is prohibited.

15-14.6 Dual air valves or bleeders not permitted

15-14.7 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.

15-14.8 Right front wheel must be double centered and welded for reinforcement.

Notes: