



**Section 10**  
**2007-2008 ASA LATE MODEL DIVISION**  
**GENERAL RULES AND REGULATIONS**

**RULES AT A GLANCE**

Stock or Fabricated Perimeter Chassis  
3,000 lbs. Total weight  
57% Left Side Weight  
108" Wheelbase  
68" Tread Width  
500 C.F M. Two Barrel Carburetor  
361 Max. Cubic Inches  
11.5 to 1 Compression  
G.M Crate Engine Part # 88958604  
4 ½ Min. Diameter Springs  
Steel Non Adjustable Shocks  
OEM Steering Box  
OEM Steel Spindles  
OEM Steel Brake Calipers  
8" Steel Wheels

**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**

**10-1 BODY REQUIREMENTS**

- 10-1.1 This class is open to the following American-made, passenger car, production sedans; CHEVROLET- Monte Carlo/Lumina. DODGE- Intrepid/Charger. PONTIAC- Grand Prix. FORD-Thunderbird/Taurus/Fusion. BUICK-Regal. OLDSMOBILE-Cutlass. Manufactured sedan type automobiles 1993-2007 allowed. No pick-up trucks, station wagons, jeeps, convertibles or rear engine models. Any body not listed here may be approved with prior written notice to OSS.
- 10-1.2 All bodies must be neat appearing and stock as produced by manufacturer. Bodies must

be constructed of steel, aluminum or fiberglass. Carbon fiber and/or Kevlar components are not permitted.

- 10-1.3 Flat or slab sided bodies are not permitted. Body components must match for the entire body, i.e. Intrepid nose, doors, rear bumper, etc.
- 10-1.4 The nose and grill area may be cut for the installation of air ducts only. The rear bumper may not be altered, modified or drilled.
- 10-1.5 Approved front air dams must have a minimum of Three (3") Inches ground clearance. A full rear filler panel is required.
- 10-1.6 Belly pans are not permitted.
- 10-1.7 Exterior nerf bars or any other type of external supporting devices are not permitted.
- 10-1.8 Interior of the car must be totally isolated from engine compartment and fuel cell with firewalls of minimum 20-gauge steel. All holes must be sealed with metal.
- 10-1.9 Rear spoiler maximum Six (6") inches high. Overall length may not extend beyond top edge of quarter panels. Any material listed may be used for base but top Four (4") Inches must be clear LEXAN®

## **10-2 WINDOWS**

- 10-2.1 A windshield made of clear LEXAN® must be used. Minimum thickness is 1/8 inch. Windshield must be supported between the dashboard and roof halo bar with a minimum of Two (2) evenly spaced metal strips, 1/8 inch x 1 inch, or an Earhart bar with a minimum diameter of One and One-Half (1 1/2") Inch.
- 10-2.2 Each car must have a rear window made of clear LEXAN®. Rear windows must be flat and not dished from roof to deck lid.
- 10-2.3 All side window glass must be removed. A right side window of any type is not permitted.
- 10-2.4 Driver side window net is required on all cars. Net material must be a minimum 1 inch wide webbing. Net must be equipped with a quick-release device on the top left front corner facing the outside of car. No seatbelt type buckle releases allowed.
- 10-2.5 Vent window permitted, maximum length Six (6") Inches measured from bottom of A Pillar.

## **10-3 HEIGHT, WEIGHT, WIDTH AND CHASSIS DIMENSIONS**

- 10-3.1 Car weight must meet the minimum weight requirement.

<u>Wheelbase</u>	<u>Total Weight</u>	<u>Left Side Percentage</u>
108-inch min.	3,000 lbs. (w/driver)	57% max.
- 10-3.2 Maximum tread width is Sixty Eight (68") Inches measured at center of tire at spindle height.
- 10-3.3 The frame rails, body and all added lead weight must maintain a minimum of Three (3") Inches ground clearance. All cars must maintain a minimum of Eight (8") Inches of ground clearance measured at the bottom of the fuel cell can. There must be a minimum of Three (3") Inches of ground clearance at the oil pan. All height measurements will be taken with the driver in the car.
- 10-3.4 Added weight must be in minimum Five (5#) pound blocks, must be painted white, and must have car number clearly visible on each piece. All added weight must be attached with a minimum of Two (2) 1/2 inch, grade 5 bolts. Must meet Tech approval.
- 10-3.5 All cars must have a minimum of Ten (10") Inches clearance between the center of the crankshaft and the ground.

## **10-4 ENGINE REQUIREMENTS**

- 10-4.1 Eligible engines will be production engines as determined, selected, and approved by OSS. Using GM crate motor Part # 88958604 will be allowed as long as all factory seals are in place. If any seal is found to be tampered with or missing, the engine is no longer legal for competition at OSS.
- 10-4.2 Only stock, OEM cast iron engine blocks are permitted. Stroke to remain stock for block used.
- 10-4.3 Angle cutting the engine block deck is not permitted.

- 10-4.4 Maximum engine displacement is 361 cubic inches including wear measured by OSS equipment.
- 10-4.5 Maximum engine compression ratio is 11.5:1 measured by OSS equipment.
- 10-4.6 Any round aluminum piston may be used. A minimum of three (3) rings per piston is required.
- 10-4.7 No titanium is permitted in the engine with the exception of the valve retainers. Only magnetic steel valves and valve springs are permitted.
- 10-4.8 Cylinder heads must be OSS approved and all modifications must be submitted to OSS before any proposed modifications will be eligible for approval. All manufacturers' identification and part numbers must remain on the part being used in competition.
- 10-4.9 All cylinder heads must be of cast iron construction and produced by the OEM manufacturer in quantities readily available. No Performance or Bow Tie Heads allowed. Straight Plug heads only. All cylinder heads for use on Ford or Chrysler engines must meet with prior tech approval before they will be considered legal for use in competition.
- 10-4.10 A maximum of three (3) angle valve job will be permitted. When cutting the valve seat angles, stone or grinding marks will not be permitted above the bottom of the valve guide. All cutting in reference to the valve job and bowl area must be centered off the centerline of the valve guide. Radius cuts will not be permitted. Upon completion of the valve job, the bowl area above the valve seat to the bottom of the valve guide must still be the same configuration as far as shape and finish as it was from the manufacturer. Surfaces and/or edges where the cutter or stone has touched must not be polished. Hand grinding or polishing will not be permitted on any part of the head.
- 10-4.11 Resurfacing or milling on the gasket surface only is allowed.
- 10-4.12 No other modifications are allowed. No porting (other than listed above), polishing, or removal of material from any surface of the cylinder head by any means mechanical, chemical or any other way not listed.
- 10-4.13 The maximum valve size as measured across the face of the valve is as follows: A) Intake – 2.050 in.; B) Exhaust – 1.625 in.
- 10-4.14 Valve must be made of steel or stainless steel.
- 10-4.15 The valve stem centerlines must remain in the OEM location and dimension for the heads being used.
- 10-4.16 Camshaft must be a solid steel lifter type. Hydraulic or flat-tappet lifters are permitted and must maintain original manufacturers stock diameter.
- 10-4.17 Mushroom, roller or roller type lifters are prohibited. Camshaft must be designed so that each lifter maintains contact with each lobe at all times.
- 10-4.18 Independent stud, roller rocker arms, and stud girdles are permitted. GM and Ford no shaft rockers are permitted. Mopar shaft rockers are permitted.
- 10-4.19 Only standard OEM magnetic steel or cast iron production crankshafts will be permitted.
- 10-4.20 Crankshaft must weigh a minimum of 50 pounds and cannot be altered in any manner such as knife edging. Stroke not to be increased or decreased. Balancing permitted.
- 10-4.21 Connecting rods must be solid, magnetic steel. Aluminum, Titanium, Stainless Steel or hollow rods are not permitted.
- 10-4.22 The intake may be port matched a max. of ½ inch into the intake ports of the head.
- 10-4.23 A maximum one (1) inch thick adapter may be used between the carburetor and the intake manifold.
- 10-4.24 All carburetors will be one 2 barrel carburetor with P.N. # 4412 Holley (casting number 3250) - 1 - 11/16" throttle bore or Holley Keith Dorton # 80583 1-11/16 throttle bore.
- 10-4.25 The ONLY approved modifications are as follows: A) the choke air horn may be removed with a square mill cut. B) The butterflies may be drilled with One (1) idle hole each, maximum of 3/16 inches diameter. C) Cam and accelerator pump may be replaced with aftermarket. D) The choke and linkage may be removed, but screw holes must be filled.
- 10-4.26 Engine must use a wet sump oiling system. Dry sump or external pumps are not permitted.
- 10-4.27 An accusump type auxiliary oil reservoir is permitted.
- 10-4.28 The oil pan must have an inspection plug with a minimum diameter of One (1) inch allowing visibility of the crankshaft and connecting rods.

## **10-5 AIR CLEANERS AND FILTERS**

- 10-5.1 No cold air induction allowed, standard air cleaners only.
- 10-5.2 Air deflector allowed, 180- degree maximum.
- 10-5.3 Paper air filter element required.
- 10-5.4 No cold air boxes. No vacuum leaks.
- 10-5.5 The element, filter assembly or area around these items may not be sprayed or soaked with any type of chemical, liquid or gel.

## **10-6 ENGINE LOCATION AND MOUNTS**

- 10-6.1 Engine must be located so that the forward most spark plug hole is within two (2") Inches of a line connecting the rear of the upper ball joints.
- 10-6.2 Crankshaft must be centered within One (1) inch of the vehicle's lower A frame mounting points.
- 10-6.3 All mounts must be securely bolted. Adjustable mounts are not permitted.
- 10-6.4 Minimum clearance between the center of the crankshaft and the ground must be Ten (10") Inches.

## **10-7 ELECTRICAL SYSTEM**

- 10-7.1 Stock type ignition only. No modifications allowed to stock system. No performance after market distributors or magnetos allowed. (A) No MSD systems allowed. (B) Magnetos, crank trigger, optically triggered or computerized systems are not permitted.
- 10-7.2 All cars must be equipped with a functioning starter located near the stock location.
- 10-7.3 All cars must be equipped with a master electrical switch located in the cockpit of the car. The switch must be within reach of the driver and safety crew from both sides of the car.
- 10-7.4 Batteries must be securely mounted behind the driver forward of the rear end housing and contained in electrically insulated container. Dry cell batteries are not required to be contained in leak proof containers.

## **10-8 ENGINE COOLING SYSTEM**

- 10-8.1 All cars must have a functional fan containing a minimum of Four (4) blades, and a minimum diameter of Fourteen (14) Inches or optional electric fan. Clutch fans are not permitted.
- 10-8.2 All cars must have a fan guard in place. Fan shrouds or ducts directing air to the radiator are permitted between the frame rails.
- 10-8.3 Radiators must be stock appearing and remain in the stock location.
- 10-8.4 Anti-freeze is not permitted for use in the cooling system. Water wetter is allowed.
- 10-8.5 A minimum One (1) quart overflow catch tank is required in all cars. Catch tank must be located in the engine compartment with a hose protruding onto lower right edge of windshield.
- 10-8.6 Water pump must be mechanically driven, must be located in the stock location and must rotate in the same direction as the crankshaft.

## **10-9 ENGINE EXHAUST SYSTEMS**

- 10-9.1 Cast iron exhaust manifolds or headers permitted.
- 10-9.2 Exhaust pipes from the header to the collector may not be larger than Five (5") Inches in diameter (O.D.).
- 10-9.3 Over the top headers allowed. No 180 deg. headers will be permitted.
- 10-9.4 Exhaust must extend past the driver. Mufflers are mandatory and must not exceed 95 decibels at a distance of 100 feet.

## **10-10 DRIVE TRAIN**

- 10-10.1 Only OEM type manual or automatic transmission may be used. All gears must be functional.
- 10-10.2 Minimum diameter of clutch plates and discs must be Seven and One-Quarter (7-¼")

- Inches. The pressure plates and discs must be made of magnetic steel only.
- 10-10.3 Scatter shields are required and subject to tech approval.
  - 10-10.4 Flywheel must be constructed of aluminum or steel only.
  - 10-10.5 Drive shafts must be constructed of magnetic steel and painted white.
  - 10-10.6 Drive shaft must have Two (2) 360-degree safety straps, One (1) front and One (1) rear as close to the u-joint as possible constructed of 1/8" x 2" steel.
  - 10-10.7 Quick-change rear ends or transmissions are not permitted. Aftermarket floater rear ends are recommended. Cambered rear ends are not permitted.

## **10-11 FRAMES/CHASSIS/ROLL CAGES**

- 10-11.1 Stock or fabricated chassis may be used. Perimeter chassis only.
- 10-11.2 Roll cages must be constructed of steel with a minimum outside diameter of One and Three-Quarters (1 ¾") inches and a minimum wall thickness of .090 Inches.
- 10-11.3 The left side door area must have at least Three (3) complete horizontal bars between the pillars and Two (2) vertical bars extending from the windshield opening to the frame.
- 10-11.4 The right side door area must have at least Two (2) horizontal door bars between the pillars and Two (2) vertical bars extending from the windshield opening to the frame.
- 10-11.5 Driver's door bar plate must be 1/16 thick steel placed top to bottom front to rear upright. Must be welded to outside of bars.
- 10-11.6 All roll cages and welds are subject to tech approval.
- 10-11.7 Any areas of the roll cage that may in any way come in contact with driver must be padded using dense foam padding specifically manufactured for use as racing roll bar padding. The use of pipe insulation wrapping is not permitted.

## **10-12 SUSPENSION (FRONT)**

- 10-12.1 Only **OEM** lower control arms may be used. Must be equal length and from same manufacture. Must use stock type bushings and ball joint in stock location only. Screw in type ball joints permitted. No other modifications allowed.
- 10-12.2 Sway bar heim joints are permitted.
- 10-12.3 Tubular upper A arms permitted.
- 10-12.4 Minimum coil spring diameter is Four and One half inches (4 1/2").
- 10-12.5 Bottom coil spring mounts must be located on the lower control arm and top mount must be securely attached to the chassis in the stock OEM location. Coil over suspension is not permitted.
- 10-12.6 All control arms must be constructed of magnetic steel. Aluminum cross shafts are permitted.
- 10-12.7 Static weight jacking devices are permitted. No operator-controlled, radio-controlled, computer-controlled or automatic traction control devices, weight-transfer, weight shifting, or weight-altering devices. Brake bias control is the only "in-car" adjustment permitted.
- 10-12.8 Shocks must be steel, oil filled only. No adjustable shocks.
- 10-12.9 Stock OEM spindles, magnetic steel only. No wide fives permitted.

## **10-13 SUSPENSION (REAR)**

- 10-13.1 Independent rear suspension is not permitted. Coil over suspension is not permitted.
- 10-13.2 Minimum coil spring diameter is Four and One half inches (4 1/2").
- 10-13.3 The rear springs must be mounted in the same manner on each end of the rear end housing. Rear coil springs require cable running through spring to keep spring with car.
- 10-13.4 Static weight jacking devices are permitted. No operator-controlled, radio-controlled, computer-controlled or automatic traction control devices, weight-transfer, weight shifting, or weight-altering devices. Brake bias control is the only "in-car" adjustment permitted.
- 10-13.5 Shocks must be steel, oil filled only. No adjustable shocks.
- 10-13.6 All links must be solid. No dampening devices permitted.
- 10-13.7 No wide fives permitted.

## **10-14 STEERING COMPONENTS**

- 10-14.1 An OSS approved quick release steering wheel is required.
- 10-14.2 Steering columns must be collapsible. Two U-joints are acceptable.
- 10-14.3 Stock OEM type steering boxes only. No rack and pinion steering.
- 10-14.4 All steering heim joints and tie rods may be constructed of magnetic steel or aluminum.
- 10-14.5 All welding of steering components must meet Tech OSS approval.
- 10-14.6 Steering wheels must have a Two (2") Inch thick pad in the center.

## **10-15 BRAKES**

- 10-15.1 Disc brakes with magnetic steel, non-coated rotors are permitted. Drum type rear brakes are permitted.
- 10-15.2 Brakes must be functional at each wheel at all times.
- 10-15.3 Brake bias valves are permitted. Aftermarket, racing brake master cylinder assemblies are permitted.
- 10-15.4 OEM steel calipers only, aftermarket rotors and hubs are allowed.

## **10-16 FUEL SYSTEMS**

- 10-16.1 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.
- 10-16.2 Fuel may not be cooled by any means.
- 10-16.3 All cars must be equipped with an approved fuel cell securely mounted in the trunk area as far forward as possible.
- 10-16.4 Fuel cell must be mounted with steel framework (1 inch x 1 inch, .060 inch minimum) and attached with a minimum of Four (4), Three Eighths Inch (3/8") bolts to the frame rails. Fuel cell must have a vent hose and the hose must have a ball style check valve in the end.
- 10-16.5 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.
- 10-16.6 Glass fuel fillers, electric fuel pumps and belt driven fuel pumps are not permitted.
- 10-16.7 If fuel line runs through drivers compartment, it must pass through a metal tube sealed at both ends.
- 10-16.8 The gasoline shall not be blended with alcohols, ethers or other oxygenates.
- 10-16.9 All cars must have a minimum of Two (2) throttle return springs. Throttle return springs must be attached to the engine.

## **10-17 TIRES AND WHEELS**

- 10-17.1 Fifteen (15) inch magnetic steel wheels with a maximum width of eight (8) inches are required.
- 10-17.2 No wide five (5) pattern wheels are permitted.
- 10-17.3 Only one (1) valve stem per wheel. Air bleeders are not permitted.
- 10-17.4 Use of the OSS 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.

Notes:





**Section 11**  
**2007-2008 ASA PRO-4's DIVISION**  
**GENERAL RULES AND REGULATIONS**

**NOTE: THESE PRO-4 RULES ARE SUBJECT TO CHANGE TO EQUAL  
COMPETITION AT ANY TIME AND WITHOUT NOTICE.**

**RULES AT A GLANCE**

Fabricated Chassis  
97 to 101" Wheelbase  
78" Max. Tread Width  
2,000 lbs up to 2360 Cubic Inches  
2,100 lbs from 2361 to 2558 Cubic Inches  
Holley 4412 or 7448 Two Barrel Carburetor  
D Port and Cast Heads 12 to 1 max. Compression  
Arca and SVO Heads 14 to 1 max. compression. Must run OSS 1 ¼ restrictor plate.  
4 Valve per chamber heads 11 to 1 max. compression and must add 50lbs  
5 valve per chamber heads 11 to 1 max. compression and must add 75lbs  
10 X 13" Steel Wheels

**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**

**11-1 BODIES**

- 11-1.1 All bodies must be neat appearing and stock as produced by manufacturer. Bodies must be constructed of aluminum or fiberglass. Carbon fiber and/or Kevlar components are not permitted.
- 11-1.2 Flat or slab sided bodies are not permitted. Body components must match for the entire body, i.e. Intrepid nose, doors, rear bumper, etc.
- 11-1.3 The nose and grill area may be cut for the installation of air ducts only. The rear bumper may not be altered, modified or drilled. A full rear filler panel is required.
- 11-1.4 The roof must be located in the stock position and may not be crowned or altered in any

manner. Minimum roof height is Forty (40") Inches from the ground.

- 11-1.5 All body parts must be securely attached without sharp edges.
- 11-1.6 Belly pans are not permitted.
- 11-1.7 Exterior nerf bars or any other type of external supporting devices are not permitted.
- 11-1.8 Interior of the car must be totally isolated from engine compartment and fuel cell with firewalls of minimum 20-gauge steel. All holes must be sealed with metal.
- 11-1.9 Rear spoiler height may not exceed Six (6.0") Inches, measured from any point along the deck lid to top of spoiler on all cars. Rear spoiler may not extend beyond top edge of quarter panels. Any material listed may be used for base but top Four (4") Inches must be clear LEXAN.

## **11-2 WINDOWS**

- 11-2.1 A windshield made of clear LEXAN® must be used. Minimum thickness is 1/8 inch. 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 One and One-Half (1 1/2") Inch bar in the center of the windshield welded to the dash bar and the roof halo bar.
- 11-2.2 Driver side window net is required on all cars. Net material must be minimum 3/4 inch wide and have openings of at least One (1") Inch. Net must be equipped with a quick-release device on the top left front corner. No seatbelt type buckle releases allowed.
- 11-2.3 Passenger window opening must maintain at least a 13-inch by 20-inch (13"x20") opening.
- 11-2.4 Windows must be made of clear LEXAN® material. They must be braced internally to prevent bowing when the car is at speed.

## **11-3 HEIGHT, WEIGHT AND CHASSIS DIMENSIONS**

- 11-3.1 Minimum wheelbase is 97 inches. Maximum wheelbase is 101". Wheelbase must be within One-Half (1/2") Inch on each side of the car.
- 11-3.2 Minimum weight of the car and driver 2,000 pounds, including driver. Maximum left side weight may not exceed 58% of the total weight with driver.
- 11-3.3 The frame rails, body and all added lead must maintain a minimum of Two and One Half (2-1/2") Inches of ground clearance, with the driver in the car. This is including bell housing and clutch assembly.
- 11-3.4 Car track width is 78" maximum, measured from outside-to-outside of front tires. Width of race car shall never exceed Eighty-Two (82") Inches at any given point.
- 11-3.5 Added weight must be in minimum Five (5#) pound blocks, must be painted white, must have car number clearly visible on each piece. All added weight must be attached with a minimum of Two (2), 1/2 inch, grade 5 bolts.
- 11-3.6 Offset and perimeter chassis from all manufacturers are allowed for competition and are subject to tech approval.
- 11-3.7 Engine Weights:

1600cc - 2360cc	= 2000 LBS.
2361cc - 2558cc	= 2100 LBS.

### **11-3.8 ADDITIONAL WEIGHT PENALTIES APPLY TO THE FOLLOWING:**

Engines under 2050cc not to exceed 13 to 1 compression measured by OSS equipment.

All engines using production cylinder heads, including the Esslinger "D" port head, are limited to 12 to 1 compression measured by OSS equipment.

Esslinger ARCA and SVO aluminum head must not exceed 14.5 to 1 compression and must use one (1) OSS restrictor plate. Restrictor plate must be mounted in proper location. Plates must be purchased from OSS tech and will cost \$50.00 each.

Restrictor plates will be swapped between other cars twice yearly and will be marked and numbered.

- Use of any aftermarket specialty transmission- must add 50 lbs.
- Heads with 4 valves per chamber- must add 50 lbs. and not exceed 11 to 1 compression.
- Heads with 5 valves per chamber-must add 75 lbs. and not exceed 11 to 1 compression.

Note: The above weights for 4 & 5 valve engines reflect using stock production factory cast blocks and stock as cast production heads, port match to within ½ inch of intake. Competitors may change cams, valves and springs.

## **11-4 ENGINE SPECIFICATIONS**

- 11-4.1 Four-cylinder, four-cycle gas engines produced for use in foreign or domestic automobiles for sale in the United States or Canada.
- 11-4.2 All engines may use factory style or aftermarket flywheels and clutches.
- 11-4.3 Mid engine cars are not allowed. No limited production engines.
- 11-4.4 No Nitrous Oxide equipment, fuel injection, supercharging, turbo charging or side bore carburetors. Titanium parts of any kind are not allowed.
- 11-4.5 Heads with Four (4) or Five (5) valves per chamber, not specifically manufactured for the engine block they are being used with, are not allowed.
- 11-4.6 Holly 4412 two-bbl carburetor or Holley 7448 two-bbl carburetor is mandatory. No multiple carburetion allowed.
- 11-4.7 Carburetors are limited to the following modifications- A). Removal of choke assembly and air horn. B). Gasket, bowl seats, accelerator pump squirter, power valve, jets, and site plug. C). Carburetor may be flowed and blueprinted. D). Booster may not be shortened, tapered or moved. E). Spacer plate not to exceed two inches (2") in thickness. F). The butterflies may be drilled with One (1) idle hole each, maximum of 3/16 inches diameter. G). Cam and accelerator pump may be replaced with aftermarket. H). The choke and linkage may be removed, but screw holes must be filled.
- 11-4.8 All cars must have a minimum of Two (2) throttle return springs. Throttle return springs must be attached to the engine.
- 11-4.9 The use of any stock or modified factory production head may run a maximum of 12 to 1 compression. Engines with heads using Four (4) or Five (5) valves per chamber may run a maximum of 11 to 1 compression.
- 11-4.10 All cars must have an operable crank case breather from valve cover, One (1") Inch minimum diameter. Use of catch cans recommended.

### **\*NOTE\***

It is the intention of the Orange Show Speedway in 2008 to change the Pro-4's engine rules to read as follows. 2300 Ford Engines Only. 2360 CC Max.

## **11-5 ENGINE LOCATION AND MOUNTS**

- 11-5.1 All engines must be mounted in the car with no more than six inches of engine setback as measured from No. 1 spark plug socket to right front upper ball joint.
- 11-5.2 Engine oil pan and bell housing height must be no lower than the lowest part of frame, Two and One-Half (2 ½") Inches minimum.

## **11-6 ELECTRICAL SYSTEM**

- 11-6.1 Any style 12-volt ignition system may be used. Must utilize a single ignition system.
- 11-6.2 On-board computer analysis recording or transmitting equipment is not allowed at any time.
- 11-6.3 All cars must be equipped with a functioning starter located near the stock location.
- 11-6.4 All cars must be equipped with a master electrical switch located in the cockpit of the car. The switch must be within reach of the driver and safety crew from both sides of the car.
- 11-6.5 Batteries must be securely mounted behind the driver forward of rear end housing and contained in electrically insulated container. Dry cell batteries are not required to be

contained in leak proof containers.

## **11-7 ENGINE COOLING SYSTEM**

- 11-7.1 Electrical fans are permitted.
- 11-7.2 Top fan guard is required on all cars. Extended shrouds or ducts directing air at radiator are permitted.
- 11-7.3 A stock type radiator of any source or capacity is permitted. Radiator must be mounted securely in the stock location.
- 11-7.4 Water pump must be mechanically driven, must be located in the stock location.
- 11-7.5 A One (1) quart over-flow catch tank is required on all cars. Catch tank may be located in the engine compartment with a hose protruding enabling the driver to see overflow.
- 11-7.6 Anti-freeze is not approved for use at OSS.

## **11-8 EXHAUST SYSTEMS**

- 11-8.1 Exhaust pipe may exit beneath or above the frame rail behind the driver and in front of the rear wheels. If exhaust extends out any body part, must be flush.
- 11-8.2 Exhaust system is subject to approval by Chief Technical Inspector.
- 11-8.3 Mufflers are mandatory and must not exceed 95 decibels at a distance of 100 feet.

## **11-9 DRIVE TRAIN**

- 11-9.1 Transmissions must be manual-type and designed for use in production automobiles with two (2) forward and an operable reverse gear. Automatic transmissions are not allowed.
- 11-9.2 Quick-change rear ends are allowed.
- 11-9.3 Titanium parts of any kind are not allowed, with the exception of approved engine components.
- 11-9.4 Transmission coolers are allowed.
- 11-9.5 Drive shafts must be magnetic steel and painted white. Two (2) steel 360° retaining straps at least 1/8 inch by 2 inches are required for the drive shaft.

## **11-10 FRAMES/CHASSIS /ROLL CAGES**

- 11-10.1 All competing cars must have a minimum four-point roll cage structure constructed of minimum 1.5-inch by .090-inch (1-1/2" X .090"), outside diameter steel tubing with the entire structure integrally welded to the primary frame structure. All new construction cars must use 1 3/4" x .090 outside diameter steel tubing. Roll cage shall have a minimum of three horizontal driver's side door bars.
- 11-10.2 All cars competing at OSS must have either steel plates welded into the left-side door bars or a left-side door plate on the outside of the main door bars. The plate must be a minimum of 16 gauge thick steel, and must be welded in place. Plates are subject to approval by Chief Technical Inspector.
- 11-10.3 Roll cage structure shall be braced to front frame stub with a hoop section surrounding the engine compartment, and rearward with diagonal members connecting to rear frame section.
- 11-10.4 Bottom bay of car in cockpit section must have "X" member, or equivalent, spanning laterally between main frame members.
- 11-10.5 Foot well area of driver's compartment shall be protected from side impact by a substructure running from the left-front main roll cage upright to left-side frame.
- 11-10.6 The main frame rails on all chassis must be steel, 8 inches in circumference, such as 2" x 2" x .083" thick tubing or greater.
- 11-10.7 Drilling holes to lighten any part of the body, chassis or suspension will not be permitted.
- 11-10.8 Side rails must be located within the normal tread width of the car.
- 11-10.9 Frame must have a drive shaft containment hoop front and rear.
- 11-10.10 All cars must have a tow hook, chain or eye welded to the front of the car. Rear deck must open to allow quick and easy pick-up by tow truck.

## **11-11 TIRES AND WHEELS**

- 11-11.1 Wheels must be thirteen (13) inches in diameter with a maximum width of ten (10) inches. Wheels must be magnetic steel.
- 11-11.2 Bleeder valves are not permitted. Only one (1) valve stem per wheel is permitted.
- 11-11.3 All competitors will compete on the track tire. Tires must be purchased from Orange Show Speedway.
- 11-11.4 Soaking, softening or otherwise altering the composition of tires is not permitted, and is a fineable offence.

## **11-12 SUSPENSION AND BRAKES**

- 11-12.1 Independent rear suspension is not allowed.
- 11-12.2 No operator-controlled, radio-controlled, computer-controlled or automatic traction control devices, weight-transfer, weight shifting, or weight-altering devices. Brake bias control is the only "in-car" adjustment permitted
- 11-12.3 Only ferrous material brake rotors allowed.
- 11-12.4 Brake calipers must be available for purchase by any competitor for a maximum of \$200 (listed racer price).
- 11-12.5 Shocks must be non-reservoir type and must be available for purchase by any competitor for a maximum of \$200 (listed racer price).

## **11-13 STEERING COMPONENTS**

- 11-13.1 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.

## **11-14 FUEL SYSTEM**

- 11-14.1 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.
- 11-14.2 All cars must be equipped with an approved fuel cell, securely mounted in the trunk area as far forward as possible.
- 11-14.3 Fuel cell must be mounted with steel framework (1 inch x 1 inch, .065-inch minimum) and attached with a minimum of four (4) bolts mounted safely and subject to tech approval.
- 11-14.4 Fuel cell must have a vent hose and the hose must have a check valve in the end. 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.
- 11-14.5 Ground strap required from fill neck to frame. Fuel cell cap must have a tether.
- 11-14.6 If fuel line runs through drivers compartment, it must pass through a metal tube sealed at both ends.
- 11-14.7 Electric fuel pumps must use low oil pressure cut-off switch.
- 11-14.8 The gasoline shall not be blended with alcohol's, ethers or other oxygenates.

Notes:





**Section 12**  
**2007-2008 STREET STOCK DIVISION**  
**GENERAL RULES AND REGULATIONS**

**RULES AT A GLANCE**

Stock OEM Chassis  
Steel roof, quarter panels, and doors  
Stock OEM Bumpers  
3,100lbs Total Weight  
55% Left Side Weight  
108" min. Wheelbase  
500 C.F M. Two Barrel Carburetor  
10.5 to 1 max. Compression  
Straight Plug Heads  
Hydraulic Cams and Lifters  
Stock Type Ignition  
Stock OEM Cast Iron Exhaust Manifolds  
Stock OEM Steering and Suspension Components  
No Weight Jacks  
8" Steel Wheels

**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**

**12-1 BODY REQUIREMENTS**

- 12-1.1 Any American name plate automobile, produced with a wheelbase of no less than 108 Inches. Coupes and sedans only.
- 12-1.2 All cars must maintain stock OEM body. Door panels and rear quarter panels, may be fabricated of steel. Complete body sheet metal may be updated through current models. No interchanging of MFG bodies and frames. All subject to tech approval.
- 12-1.3 Original bodylines must be maintained, and stock appearing on fabricated panels.
- 12-1.4 Headlight and tail light covers are required.

- 12-1.5 Hood and deck lid pins required. A minimum of 3 pins across front hood, and 2 across rear of deck lid. One (1) additional pin required for each additional missing hinge.
- 12-1.6 Full stock floorboards and firewalls in stock locations required. All holes to be covered by sheet metal and welded in place.
- 12-1.7 All upholstery must be removed.
- 12-1.8 All doors must be bolted or welded shut
- 12-1.9 Nose must remain stock appearing, may be after market. Stock appearing fiberglass front groups permitted. No plastic grills allowed.
- 12-1.10 Rear trunk area may remain open, subject to tech approval.
- 12-1.11 Rear deck lid spoiler allowed, maximum 5" tall and no wider than car. Top Three (3") Inches of spoiler must be made of clear LEXAN.
- 12-1.12 No front lower spoilers or valances allowed. Air scoop for radiator allowed, no wider than radiator and must maintain a minimum of Three (3") Inches of ground clearance.
- 12-1.13 A minimum of Four (4") Inches of clearance, body to ground.

## **12-2 WINDOWS**

- 12-2.1 A windshield made of clear LEXAN® must be used. Minimum thickness is 1/8 inch. 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 (1½") Inch bar in the center of the windshield welded to the dash bar and the roof halo bar.
- 12-2.2 Each car may have a rear window made of clear LEXAN®. Rear windows must be flat and not dished from roof to deck lid.
- 12-2.3 All side window glass must be removed. A right side window of any type is not permitted. Side quarter windows behind the "B" pillar can be replaced with LEXAN®.
- 12-2.4 Driver side window net is required on all cars. Net material must be minimum 1 inch wide webbing. Net must be equipped with a quick-release device on the top left front corner facing the outside of car. No seatbelt type buckle releases allowed.
- 12-2.5 All mirrors including mount locations subject to specific tech approval.
- 12-2.6 Left side mirrors allowed.

## **12-3 HEIGHT, WEIGHT AND CHASSIS DIMENSIONS**

- 12-3.1 The frame rails, body, and all added lead weight must maintain a minimum of Four (4") Inches ground clearance.
- 12-3.2 Cars must weigh a minimum of 3100 pounds with driver.
- 12-3.2 No more than 55% of vehicle weight will rest on left side of car.
- 12-3.3 Wheelbase must remain stock. ½ inch variation will be allowed on one side only.
- 12-3.4 Stock bumpers required.
- 12-3.5 Front and rear bumpers must be fastened to fenders and quarter panels in such a manner that will prevent "hooking", except for fiberglass.
- 12-3.6 Bumper height must measure 15" to 18" center to ground.

## **12-4 ENGINE SPECIFICATIONS**

- 12-4.1 Engines sizes:
  - A. Chevrolet 350 C.I. Max. .060 overbore
  - B. Ford 351 C.I. Max. .060 overbore
  - C. Dodge 360 C.I. Max. 060 overbore
- 12-4.2 No big block of any MFR. No after market performance engines. Engines may not cross MFR. Lines.
- 12-4.3 Crankshaft must be centered between frame rails and will not be moved back or down on chassis.
- 12-4.4 No "stroker" or lightweight cranks allowed, factory OEM cranks only.
- 12-4.5 Engine oil coolers allowed and must be mounted in engine compartment.
- 12-4.6 After market valve covers allowed.
- 12-4.7 Modified oil pans allowed, must fit stock chassis.
- 12-4.8 Standard compression ratio: 10.5 to 1 maximum.

- 12-4.9 No performance blocks, heads, or engines from: SVO (Ford), Direct Connection Mopar (Dodge), General Motors/Chevrolet, or Pontiac Motor sports.
- 12-4.10 Minimum 1" inspection hole in oil pan.
- 12-4.11 Heads: Stock cast iron heads only. Official interpretation of the words "stock cast iron": A stock head will be characterized as a cylinder head which was offered as standard equipment with no performance advantage.
- 12-4.12 No special performance options will be allowed, including but not limited to, oversize valves, special cut valves, relocated intake or exhaust bowls or ports.
- 12-4.13 No porting, polishing or gasket matching will be allowed. Heads may be cleaned, hot tanked or cleaned by another method which does not remove metal.
- 12-4.14 No grinding, shot peening, acid etching, flow honing or any process to remove metal or change flow direction.
- 12-4.15 No Vortec or angle plug heads allowed. GM heads designed for center bolt valve cover not allowed. GM heads designed for center bolt valve cover with early bolt pattern adapter not allowed.
- 12-4.16 Stock steel valve train components only. A) No oversize valves. B) No back cut, swirl polished valves.
- 12-4.17 Maximum valve head diameter:
  - Chevrolet ..... 1.94" intake..... 1.50" exhaust
  - Ford ..... 1.78" intake..... 1.45" exhaust
  - Dodge ..... 1.88" intake..... 1.60" exhaust
- 12-4.19 Screw in studs and guide plates allowed.
- 12-4.20 Any parts replaced or modified to enhance performance will result in disqualification.
- 12-4.21 Only stock specified after market replacement parts including production material will be allowed.
- 12-4.22 Roller tip steel rockers allowed, any ratio or stock. No roller rockers. No stud girdles allowed.
- 12-4.23 Engine Blocks: OEM cast iron block only. No performance or after market blocks allowed.
- 12-4.24 Stock stroke for engine being used, i.e. 350 C.I. Chevy 3.48" stroke.
- 12-4.25 Stock OEM replacement pistons only.
- 12-4.26 Stock rods only. After market rod bolts ok, and recommended.
- 12-4.27 Rods may be sized, balanced or bead blasted. No grinding, lightening or polishing of rods.
- 12-4.28 No performance rods allowed, stock length only. Rods may not cross manufacture lines.
- 12-4.29 Any Hydraulic camshaft.
- 12-4.30 Hydraulic lifters only must remain stock diameter. Must remain hydraulic.
- 12-4.31 No roller or mushroom lifters allowed.
- 12-4.32 Stock type timing chain and gears only.
- 12-4.33 No belts or gear drives allowed.
- 12-4.34 Cam gear may be indexed.
- 12-4.35 Magnetic steel push rods only.
- 12-4.36 No crank lightening or grinding allowed. No knife edging, gun drilling, etc.
- 12-4.37 No after market cranks allowed. Stock OEM harmonic balancer only.
- 12-4.38 No Stroker kits allowed.
- 12-4.39 Balancing of internal components is acceptable, balancing and lightening are not the same (make sure your machinist knows the difference). Any procedure associated with a common rebuild is acceptable.
- 12-4.40 Holley # 4412 or Holley Keith Dorton #80583 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.
- 12-4.41 Two (2) carburetor return springs required must be mounted to engine. Throttle cable replacement recommended annually.
- 12-4.42 Maximum 1.25" carburetor adapter allowed. Bores in adapter will not be tapered or bowl shaped.
- 12-4.43 Edelbrock Torker II or Edelbrock Performer are the only allowable aluminum intake manifolds.

## **12-5 AIR CLEANERS AND FILTERS**

- 12-5.1 No cold air induction allowed, standard air cleaners only.
- 12-5.2 No air deflector allowed.
- 12-5.3 Dry paper filters only.
- 12-5.4 Top and bottom of air cleaner must be solid and same diameter.
- 12-5.5 Tubes, funnels, or any device which may control the flow of air, will not be permitted inside the air cleaner or between filter housing and carburetor.
- 12-5.6 No vacuum leaks.

## **12-6 ENGINE LOCATION AND MOUNTS**

- 12-6.1 Engine must be located in stock location.
- 12-6.2 Engine oil pan height must not be less than cross member.
- 12-6.3 Crankshaft must be centered within one (1) inch of the vehicle's front tread width.
- 12-6.4 All mounts must be securely bolted and adjustable mounts are not permitted.

## **12-7 ELECTRICAL SYSTEM**

- 12-7.1 Stock type ignition only. No performance after market distributors or magnetos allowed. A) No MSD systems allowed. B) Magnetos, crank trigger, optically triggered or computerized systems are not permitted.
- 12-7.2 All cars must be equipped with a functioning starter located in the stock location.
- 12-7.3 All cars must be equipped with a master electrical switch located in the cockpit of the car. The switch must be within reach of the driver and safety crew from both sides of the car.
- 12-7.4 Batteries must be securely mounted behind driver forward of the rear end housing.
- 12-7.5 Batteries must be contained in electrically insulated container. Dry cell batteries are not required to be contained in a leak proof container. Subject to tech approval.

## **12-8 ENGINE COOLING SYSTEM**

- 12-8.1 Water pump must be mechanically driven, must be located in the stock location and must rotate in the same direction as the crankshaft.
- 12-8.2 All cars must have a functional fan containing a minimum of four (4) blades, and a minimum diameter of fourteen (14) inches. Free spin or clutch fans are not permitted.
- 12-8.3 Fan shroud mandatory.
- 12-8.4 No fiberglass flex fans.
- 12-8.5 No electric fans permitted.
- 12-8.6 Water overflow catch can unit required. One (1) quart minimum, vented onto lower right edge of windshield, metal or plastic, mounted in engine compartment.
- 12-8.7 No anti-freeze or similar products. This is a finable offense.
- 12-8.8 Water wetter permitted.
- 12-8.9 Radiators must be stock appearing and remain in the stock location.

## **12-9 ENGINE EXHAUST SYSTEMS**

- 12-9.1 Stock cast iron exhaust manifolds only. No modifications allowed.
- 12-9.2 No header style, center dump, or up swept manifolds allowed for Ford or General Motors products.
- 12-9.3 Chrysler products are allowed center-dump's as these are stock for that manufacturer.
- 12-9.4 An approved muffler is mandatory, must not exceed 95 db @ 100 feet. Violators will be disqualified.
- 12-9.5 Exhaust system must be located below floorboard and extend past driver's compartment.

## **12-10 DRIVE TRAIN**

- 12-10.1 Clutch will be stock only.
- 12-10.2 No lightweight or racing type disc, pressure plates, or fly wheels allowed.
- 12-10.3 Aluminum flywheels are not permitted. OEM only. No modifications of flywheels allowed.

- 12-10.4 No lightening of parts allowed. No stock appearing "Cheater" parts.
- 12-10.5 Stock transmissions only. No modifications allowed.
- 12-10.6 All gears must be operable, including reverse.
- 12-10.7 Scatter shields mandatory! All subject to tech approval.
- 12-10.8 No aftermarket differentials allowed.
- 12-10.9 Locked, limited slip, or positive-traction differentials are permitted.
- 12-10.10 Rear end must be centered in car.
- 12-10.11 Floater type rear ends are permitted.
- 12-10.12 Cambered rear ends not allowed.
- 12-10.13 Automatic transmissions optional, torque converter must be operational, transmission oil cooler required.
- 12-10.14 Ford 9" rear end allowed. Must be mounted exactly as old rear end was removed, may be used in any MFR line.
- 12-10.15 Two (2) driveline straps, 1" x 1/8" required, mounting to be within 6" of the U-joints are required. Drive shaft must be painted white for on track visibility in the event it should become separated from the car.
- 12-10.16 No aluminum or composite drive shafts.

## **12-11 FRAMES/CHASSIS /ROLL CAGES**

- 12-11.1 Full NASCAR type roll cages mandatory. Bars must be a minimum of 1 3/4" O.D. / .090" wall thickness, gusset as necessary for strength.
- 12-11.2 Minimum of three (3) door bars required on both sides.
- 12-11.3 Driver's door bar plate must be 1/16" thick steel placed top to bottom front to rear upright. Must be welded to outside of bars.
- 12-11.4 Rear kicker bars may extend to rear cross member.
- 12-11.5 Fuel cell protector bar required. No wider than the width of the frame rails.
- 12-11.6 Main roll cage uprights must be fastened to floor of uni-body cars with a minimum 3/16" thick plate, top and bottom, at all four corners. Plate must be a minimum of 4" square, with (4); 3/8" grade 5 or better bolts at each location.
- 12-11.7 No grinding of welds.
- 12-11.8 Roll bar padding must be used at any point where driver may make contact with roll cage.
- 12-11.9 Roll bar padding must be up to date. Hardened padding will not be permitted, and will be required to be replaced PRIOR to competition. Roll bar padding must be OSS approved roll bar padding.
- 12-11.10 A radiator protector/front hoop is allowed.
- 12-11.11 Stock frames only. No modifications allowed. No full tubular or roll bar frames permitted.

## **12-12 SUSPENSION AND BRAKES**

- 12-12.1 Stock OEM upper and lower control arms only, no crossing OEM lines and no modifications allowed.
- 12-12.2 Upper control arm mounting must be in stock location.
- 12-12.3 No Heim joints allowed.
- 12-12.4 Rated springs are allowed, front and rear.
- 12-12.5 No pop in or screw in spacers allowed.
- 12-12.6 Lowering blocks allowed.
- 12-12.7 All other suspension components must be of original design and origin for the chassis used. No after market look alike parts to widen suspension.
- 12-12.8 No Aluminum, racing, or heim joint type shocks permitted.
- 12-12.9 Shocks must remain in stock location.
- 12-12.10 No weight jacks. Adjustable spring spacers allowed.
- 12-12.11 Rear coil springs require cable running through spring to keep spring with car.
- 12-12.12 No after market pedal or master cylinder assemblies allowed. Stock parts only.
- 12-12.13 The use of any bleeder valves is prohibited.
- 12-12.14 Rear disc brakes allowed. All components must be OEM cast iron. No after market parts

of any type or brand allowed.

12-12.15 Stock, 4 wheel hydraulic brakes required, and all must be in good working order.

12-12.16 No adjustable brake bias valves allowed.

### **12-13 STEERING COMPONENTS**

12-13.1 Stock steering components only.

12-13.2 No steering quickners allowed, including gearbox quickners.

12-13.3 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.

12-13.4 Steering column must be collapsible. U joints are acceptable.

### **12-14 FUEL SYSTEM**

12-14.1 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.

12-14.2 All cars must be equipped with an approved fuel cell, securely mounted in the trunk area as far forward as possible.

12-14.3 Fuel cell must be mounted with steel framework (1 inch x 1 inch, .060 inch minimum) and attached with a minimum of four (4), one-half inch (1/2) bolts to the frame rails. Fuel cell must have a vent hose and the hose must have a check valve in the end.

12-14.4 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.

12-14.5 Maximum fuel capacity- 22 gallons.

12-14.6 If fuel line runs through drivers compartment, it must pass through a metal tube sealed at both ends.

12-14.7 No electric fuel pumps permitted.

12-14.8 The gasoline shall not be blended with alcohol's, ethers or other oxygenates..

### **12-15 TIRES AND WHEELS**

12-15.1 Steel wheels are mandatory, maximum 8" width any offset.

12-15.2 5/8" wheel studs required on all four (4) wheels.

12-15.3 One valve stem per wheel maximum.

12-15.4 The use of any bleeder valves is prohibited.

12-15.5 Wheel spacers optional, one spacer per wheel, must be 1/2" maximum.

12-15.6 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.

Notes:



## **Section 13 2007-2008 ASA STOCK PONY DIVISION**

### **GENERAL RULES AND REGULATIONS**

#### **RULES AT A GLANCE**

Stock OEM Chassis  
Stock OEM Roof with Stock Appearing Body  
90 to 101" Wheelbase  
2,100lbs Total Weight  
55% Left Side Weight  
350 C.F M. Two Barrel Carburetor  
Stock OEM Intake/Exhaust Manifolds  
Stock Type Ignition  
Stock Engine Displacement up to .060 Overbore  
10 to 1 max. Compression  
Stock OEM Cast Iron Oval Port Head  
Stock OEM Rods  
Solid Lifters with .480 max. Lift Cam  
Min. 20lb Flywheel Weight  
8" Steel Wheels

**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**

#### **13-0 BODIES**

- 13-0.1 All cars will maintain stock appearance as OEM.
- 13-0.2 Roofs must remain stock, no lowering.
- 13-0.3 Fenders may be original, fabricated aluminum, or fiberglass.
- 13-0.4 Rear quarter panels may be fabricated, but must maintain original bodylines. Steel, Aluminum, or Fiberglass acceptable.
- 13-0.5 Doors may be fabricated. Steel, Aluminum or Fiberglass acceptable. Body panels may be attached straight down may not stick out wider than tires, and must be filled in

- between rocker panel and bottom of door panel.
- 13-0.6 No spoilers or air dams allowed.
  - 13-0.7 Full stock floorboards, firewalls mandatory.
  - 13-0.8 Inner fender well panels may be replaced with steel replacement panels minimum 22 gauge. All holes in firewall and floorboard must be covered in steel.
  - 13-0.9 No narrowing of body. Roof must remain as original material used at time of manufacture.
  - 13-0.10 Deck lids require two (2) pins at rear edge, and two (2) pins at leading edge if hinges are not used.
  - 13-0.11 Hoods must be retained by a minimum of three (3) pins across front, and two- (2) pins at the rear.
  - 13-0.12 One piece fiberglass front ends acceptable. Three (3) pins across front – two (2) at rear, one (1) at bottom of each side. Must be stock appearing.
  - 13-0.13 Body must be filled in between door panel and firewall on both sides.

### **13-1 WINDOWS**

- 13-1.1 A windshield made of clear LEXAN® must be used. Minimum thickness is 1/8 inch. Windshield 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 (1½”) Inch bar in the center of the windshield welded to the dash bar and the roof halo bar.
- 13-1.2 All external lights must be removed, and holes covered neatly with flat metal.
- 13-1.3 No back windows allowed. Rear side windows permitted.
- 13-1.4 One mirror allowed center of car, inside.
- 13-1.5 Left side mirrors allowed per tech approval.

### **13-2 HEIGHT, WEIGHT AND CHASSIS DIMENSIONS**

- 13-2.1 Any American nameplate automobile, produced with a wheelbase of no less than 90.0 inches and no more than 101.0 inches. Originally sold by an American nameplate company.
- 13-2.2 Coupes and sedans only; no convertibles, station wagons, roadsters, trucks, etc.
- 13-2.3 No rear engine or front wheel drive models allowed. Wheelbase must remain stock.
- 13-2.4 All cars must weigh a minimum of 2,100 pounds with driver.
- 13-2.5 All cars will be allowed a maximum of 55% left side weight with driver.
- 13-2.6 All ballast weight is to be painted white and have car number painted in a bright contrasting color. No less than 5 lbs. blocks to be used.

### **13-3 ENGINE SPECIFICATIONS/REQUIREMENTS**

- 13-3.1 General Engine Specifications-
  - A. In line 4-cylinder engine.
  - B. Ford: 2000 or 2300cc, only. Maximum .060 over bore.
  - C. GM: 151 or 153, Vega 2300, only (cast iron version). Maximum .060 over bore.
  - D. Mopar: To be determined. Confer with OSS official before appearing. Max. 156 c.i.
  - E. No Cosworth; Ford or Chevrolet.
  - F. Engines may not cross MFG lines.
  - G. Engine to remain in stock location.
  - H. Engine mounts must be in stock location, may be solid.
  - I. No motor plates allowed.
  - J. Modified oil pans permissible. Maximum capacity is 7 quarts.
  - K. After market valve covers are allowed.
  - L. Crankshaft Power pulley allowed.
  - M. After market pulley's & belt tensioners allowed.
  - N. Standard compression ratio: 10.0 to 1 MAXIMUM. As measured by Orange Show Speedway equipment. Cylinder compression is limited to an absolute maximum of 185 pounds, measured with track gauge.

- O. No remote oil filters or oil coolers. No external oil pumps of any kind.
- P. No plastic oil lines – steel braided preferred.
- Q. Stock cast iron or steel OEM parts only.
- R. Minimum 1" screw in plug must be installed in oil pan for access to crank and rods. Installed in upper reservoir area and safety wired in. Must not be obstructed by windage trays, baffles, etc.

13-3.2 Heads-

- A. Stock cast iron oval port head only. No porting, polishing, shot peening, acid etching, gasket matching, flow honing. Any steps to remove material or change flow direction are not acceptable.
- B. Stock steel valve train components only – valves, springs, keepers, and retainers.
- C. Valve and valve seats must be stock diameter.
- D. No back cutting or swirl polishing allowed
- E. Multi angel valve grinding acceptable, valve seats must remain in stock location.
- F. No roller followers – slipper type only, any source.
- G. Adjustable cam pulley allowed.
- H. Maximum cam lift measured at the valve is .480".

13-3.3 Optional Cam and Lifters-

- A. Solid Adjustable lifters allowed.

13-3.4 Engine Blocks-

- A. Stock cast iron block only. Maximum .060 overbore. No modification allowed. No small journal blocks permitted.
- B. No performance or after market race blocks allowed.
- C. Stock Stroke for engine being used.
- D. Stock or OEM replacement cast or forged flat top pistons only. Valve relieves ok.
- E. Stock rods only. 2000 rods in 2000 engines, 2300 rods in 2300 engines etc. No crossing.
- F. After market rod bolts are allowed.
- G. Rods may be resized, balanced, or bead blasted.
- H. No lightning or polishing of rods.
- I. No after market rods of any kind acceptable.
- J. No switching of MFG parts. I.E. no Chevrolet or Toyota parts in Ford blocks.
- K. No crank lightening or grinding. Any procedure associated with a common rebuild is acceptable. No small journal crank shafts.
- L. Balancing of internal engine components is acceptable. Balancing and lightening are not the same; make sure your machinist knows the difference.
- M. No Modifications to allow late, small journal crank in early large journal block.

13-3.5 Carburetor:

- A. Only Holley #0-7448 350 C.F.M. or Holley Keith Dorton #80787 carburetors allowed. No modification or polishing allowed. The only allowable changes will be: Gaskets, Bowl Seals, Accelerator Pump Squirter, Power Valve, Jets Sight Plug, Choke Plate may be removed. Butterfly idle holes allowed, 3/16" maximum hole size.
- B. Maximum 1-inch thick adapter plate. Only production type allowed. No homemade or custom production.
- C. No turbochargers, blowers, or fuel injection
- D. Stock manifolds only. No performance type manifolds allowed. No modifications of any kind, including gasket matching. Manifold, gasket and cylinder head must be of same design.
- E. Two-throttle return springs mandatory. Springs must be attached to engine
- F. No vacuum leaks.

## **13-4 AIR CLEANERS AND FILTERS**

- 13-4.1 No cold air induction allowed, standard air cleaners only.
- 13-4.2 No air deflector allowed.
- 13-4.3 Dry paper filters only.
- 13-4.4 Top and bottom of air cleaner must be solid and same diameter.
- 13-4.5 Tubes, funnels, or any device which may control the flow of air will not be permitted inside the air cleaner or between filter housing and carburetor.

## **13-5 ELECTRICAL SYSTEM**

- 13-5.1 Stock type ignition only. No modifications allowed to stock system. No performance after market distributors or magnetos allowed. A) No MSD parts allowed. B) Magnetos, crank trigger, optically triggered or computerized systems are not permitted.
- 13-5.2 All cars must be equipped with a functioning starter located in the stock location.
- 13-5.3 All cars must be equipped with a master electrical switch located in the cockpit of the car. The switch must be within reach of the driver and safety crew from both sides of the car.
- 13-5.4 Batteries must be securely mounted behind driver forward of the rear end housing.
- 13-5.5 Batteries must be contained in electrically insulated container. Dry cell batteries are not required to be contained in a leak proof container. Subject to tech approval.

## **13-6 ENGINE COOLING SYSTEM**

- 13-6.1 Fan shroud mandatory.
- 13-6.2 No fiberglass flex fans.
- 13-6.3 Electric fans optional.
- 13-6.4 Water overflow catch can unit required. One (1) quart minimum, vented onto lower right edge of windshield, metal or plastic, mounted in engine compartment.
- 13-6.5 No anti-freeze or similar products. This is a finable offense.
- 13-6.6 Water wetter permitted.
- 13-6.7 Radiators must be stock appearing and remain in the stock location.

## **13-7 ENGINE EXHAUST SYSTEM**

- 13-7.1 Stock exhaust manifold only. No modifications of any kind permitted. Ranger header is permitted.
- 13-7.2 An approved muffler is mandatory, must not exceed 95 db @ 100 feet. Violators will be disqualified.
- 13-7.3 Exhaust system must be located below floorboard and extend past driver's compartment.

## **13-8 DRIVE TRAIN**

- 13-8.1 Locked, Limited slip or Posi-Traction rear ends permissible. No aftermarket differential components allowed.
- 13-8.2 No cambered rear ends allowed.
- 13-8.3 Rear end must be centered on rear springs.
- 13-8.4 Stock type transmissions only.
- 13-8.5 All gears must be operable, including reverse.
- 13-8.6 Scattershields mandatory! All subject to tech approval.
- 13-8.7 Stock type clutch and flywheel only. No lightweight cheater parts. Clutch disk must contain all magnetic steel parts.
- 13-8.8 Minimum flywheel weight is 20 pounds.
- 13-8.9 Automatic transmissions require functioning OE torque converter.
- 13-8.10 No aluminum or composite drive shafts. No lightweight drive shafts.
- 13-8.11 Two (2) driveline straps, 1" x 1/8" required, mounting to be within 6" of the U-joints are required. Drive shaft must be painted white for on track visibility in the event it should become separated from the car.

### **13-9 FRAME/CHASSI/ROLL CAGES**

- 13-9.1 Stock OEM Chassis. No tubular sub-frame assemblies allowed. Tubing may be used to repair a damaged frame section. Any repair done within the wheelbase of the vehicle must be approved by tech prior to competing.
- 13-9.2 No full tubular or roll bar frame permitted.
- 13-9.3 Cross members and oil pans must have a minimum of Three (3") inches of ground clearance.
- 13-9.4 Steel NASCAR type full roll cages mandatory, .090 wall minimum main cages.
- 13-9.5 Roll cages must be 1-1/2" O.D. minimum. Gusset as necessary for strength.
- 13-9.6 No galvanized or soft metals such as aluminum or exhaust tubing allowed.
- 13-9.7 Minimum of Three (3) door bars required on both sides.
- 13-9.8 No grinding of welds permitted!
- 13-9.9 Roll bar padding must be used at any point where driver may make contact.
- 13-9.10 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.
- 13-9.11 Roll bar padding must be up to date. Hardened padding will not be permitted, and will be required to be replaced prior to competition. Must be approved roll bar padding, the use of pipe insulation wrapping is not permitted.
- 13-9.12 Stock appearing front and rear bumpers are required.
- 13-9.13 No hidden reinforcement or nerf bars of any kind are permitted.
- 13-9.14 All bumpers shall be fastened to fenders and quarter panels in such a manner that will prevent "hooking". Fiberglass bodies excluded from this rule.

### **13-10 SUSPENSION AND BRAKES**

- 13-10.1 Stock suspension components for year, make and model only.
- 13-10.2 No lengthening or shortening of control arms permitted.
- 13-10.3 Rear springs must be mounted in stock location only, NO MODIFICATIONS ALLOWED.
- 13-10.4 Sway bars to be mounted in stock location with all thread or stock mounts.
- 13-10.5 Rated front and rear springs will be permitted.
- 13-10.6 Adjustable spring spacers allowed.
- 13-10.7 No Aluminum, racing, or heim joint type shocks permitted. Shocks must remain in stock location.
- 13-10.8 Lowering blocks are allowed.
- 13-10.9 No moving of suspension mounting points front or rear. If car has been repaired, mounting points must be to stock specifications.
- 13-10.10 No externally adjustable weight jacks allowed.
- 13-10.11 Stock OEM brake components only.
- 13-10.12 No drilling of rotors or drums.
- 13-10.13 All four brakes must function at all times.
- 13-10.14 Any pads or shoes allowed.
- 13-10.15 No lightening of brake calipers.
- 13-10.16 No adjustable brake bias allowed.
- 13-10.17 No aftermarket pedal assemblies or master cylinders allowed.

### **13-11 STEERING COMPONENTS**

- 13-11.1 Stock OEM steering components only.
- 13-11.2 No steering quickners allowed, including gearbox quickners.
- 13-11.3 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.
- 13-11.4 Steering column must be collapsible. U joints are acceptable.

### **13-12 FUEL SYSTEM**

- 13-12.1 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.

- 13-12.2 All cars must be equipped with an approved fuel cell, securely mounted in the trunk area as far forward as possible.
- 13-12.3 Fuel cell must be mounted with steel framework (1 inch x 1 inch, .060 inch minimum) and attached with a minimum of four (4), one-half inch (1/2) bolts to the frame rails. Fuel cell must have a vent hose and the hose must have a check valve in the end.
- 13-12.4 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.
- 13-12.5 Maximum fuel capacity- 22 gallons.
- 12-12.6 If fuel line runs through drivers compartment, it must pass through a metal tube sealed at both ends.
- 13-12.7 No electric fuel pumps permitted.
- 13-12.8 The gasoline shall not be blended with alcohol's, ethers or other oxygenates.

### **13-13 TIRES AND WHEELS**

- 13-13.1 Any brand steel racing wheel acceptable. Maximum width 8". Any offset allowed.
- 13-13.2 Stock type aftermarket long wheel studs allowed and recommended. All studs must have threads showing through lug nut.
- 13-13.3 Maximum track width 72" outside to outside on front and rear tires.
- 13-13.4 GM and Mopar cars that meet requirements, width will be based on the manufacturer's specifications.
- 13-13.5 One valve stem per wheel maximum.
- 13-13.6 The use of any bleeder valves is prohibited.
- 13-13.7 Wheel spacers allowed.
- 13-13.8 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.

Notes:





## **Section 14** **2007-2008 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

**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 filters only.
- 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 1/2 " 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 The gasoline shall not be blended with alcohol's, ethers or other oxygenates.

#### **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 be of like size and same back spacing. Maximum 7" wide wheel

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.

Notes:





**Section 15**  
**2007-2008 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  
Must Weigh 20lbs Per Horsepower  
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 Steel Wheels

**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 ½") 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 A minimum weight rule using a horsepower to weight ratio formula to equalize field is 20 pounds per rated horsepower of year, make, model, and engine of car.
- 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 2007 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 filters only.
- 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 ½ 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.

### Notes:





## **Section 16**

### **2007-2008 ASA OUTLAW FIGURE 8'S DIVISION**

#### **GENERAL RULES AND REGULATIONS**

**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**

#### **16-0 COMPETING MODELS**

16-0.1 2007 or earlier, no convertibles (unless covered by a wing).

#### **16-1 GENERAL CAR AND BODY REQUIREMENTS**

16-1.1 Bodies must have doors, roof and quarter panels

16-1.2 No weight limit.

#### **16-2 DETAILED CAR BODY REQUIREMENTS in addition to the car body requirements in section 16-1.**

16-2.1 Windshield and Windows: 1) There is to be no glass on the race car. 2) Full steel wire mesh minimum 1/2-inch to 1-inch square metal in place of windshield is required. No string nets.

16-2.2 Fenders optional.

16-2.3 Identification and Marking: Numbers must be on both sides of the car and on the roof.

16-2.4 Window Net: 1) Mandatory left side door window screen/net required. Net must be a rib type, made from minimum 3/4 inch wide, maximum one (1) inch wide nylon material. Window net lower mount must be a solid steel rod (1/2 inch diameter recommended) on the bottom with rod mounts welded to roll cage. Window net upper mount must be solid steel (recommended one (1) inch wide by 3/16 inch flat steel rod or 1/2 inch diameter rod) with mounts welded to roll cage. The window net, when mounted in the closed position, must fit tight and secured with a lever-type quick release latch at top acceptable to track officials. 2) Window net must have a manufacture's date tag or will not be permitted. 3) Window net must be within 5 years of manufacture date per tech approval.

#### **16-3 GENERAL ENGINE REQUIREMENTS**

16-3.1 No compression rules.

## **16-4 DETAILED ENGINE REQUIREMENTS**

- 16-4.1 Intake Manifold: Any available after market intake allowed.
- 16-4.2 Carburetor: 2 or 4 barrel carburetor allowed.

## **16-5 ENGINE/CAR ELECTRICAL SYSTEM**

- 16-5.1 Ignition System: Any ignition acceptable. No Magnetos allowed.

## **16-6 ENGINE COOLING SYSTEM**

- 16-6.1 Water only may be used in the engine cooling system.

## **16-7 ENGINE LUBRICATION**

- 16-7.1 Reserved.

## **16-8 ENGINE EXHAUST SYSTEM**

- 16-8.1 Mufflers must be capable of maintaining a maximum of 90 DECIBALS AT 100 FEET.

## **16-9 DRIVE TRAIN**

- 16-9.1 Clutch: Any clutch allowed. Triple disk allowed.
- 16-9.2 Transmission: 1) Automatic or stick transmission allowed. 2) Two speed transmission allowed.
- 16-9.3 Rear Axle: 1) Any racing rear end allowed. 2) Quick-change rear end allowed.
- 16-9.4 Tires: Orange Show Speedway approved tires only, with maximum of 10-inch wheels.

## **16-10 FRAME REQUIREMENTS**

- 16-10.1 Reserved.

## **16-11 SUSPENSION**

- 16-11.1 Shocks: 1) All shocks allowed. 2) Location optional. 3) Heim joint shocks allowed. 4) Coil-over shocks allowed.
- 16-11.2 Car Height Adjusting Devices: Weight jacks allowed.
- 16-11.3 Wheelbase minimum is 108 inches on one side, and plus or minus 1/2 inch on opposite side.

## **16-12 STEERING**

- 16-12.1 Any steering allowed.
- 16-12.2 Quick release mandatory.

## **16-13 BRAKES AND COOLING COMPONENTS**

- 16-13.1 Must have 4 wheel brakes.
- 16-13.2 After market brakes allowed.

## **16-14 FUEL**

- 16-14.1 Fuel shall be track racing fuel only.

## **16-15 FUEL SYSTEM**

- 16-15.1 Approved fuel cells mandatory. Fuel shall be racing(pump) gasoline only.
- 16-15.2 Fuel cells must be securely installed in the trunk compartment, between the frame rails, with two 1-inch wide x 1-inch flat steel straps, both lengthwise and crosswise.
- 16-15.3 Fuel cell must be installed in a minimum 18-gauge sheet metal box strapped in by 1/8-inch by 1-inch steel.
- 16-15.4 Filler spout must remain in the trunk area sealed off from driver.

## **16-16 PERSONAL SAFETY EQUIPMENT AND ROLL BARS**

- 16-16.1 General Safety: 1) It is the responsibility of the driver, not Orange Show Speedway, its officers, or its agents to ensure his/her safety devices and systems are correctly installed, maintained, and properly used at all times. 2) As with all safety items Orange Show Speedway strongly recommends that, the driver carefully study all manufacturer's installation and usage guidelines and adhere to these recommendations to the highest extent possible.
- 16-16.2 Protective Clothing: A clean full-length fire suit and safety gloves required. Racing shoes or leather shoes required.
- 16-16.3 Fire Control: Every car must be equipped with one fully charged fire extinguisher having at least a 10B:C rating. The fire extinguisher must be accessible to driver with quick release mount.
- 16-16.4 Helmets: Head and Neck Restraint Devices: Snell approved helmet mandatory, SA2000 or newer, with face shield required. Driver must rely on his own judgment in the selection of any helmet and apparel for durability and safety.
- 16-16.5 Seat Belts: 1) Five-point, quick release restraint system with no less than 3-inches wide required. Center crotch belt must be a minimum of 2 inches wide. 2) Belts must be re-certified or replaced every 3 years. 3) Both ends must be fastened to roll bar cage with 3/8" grade 5 or better bolts. 4) Belts must be mounted per manufacturer's specifications.
- 16-16.6 Aluminum racing seat is required. No fiberglass, plastic or homemade seats allowed.
- 16-16.7 Roll Bars: 1) A full roll cage is required. 2) Must have at least 4 driver door bars and 3 passenger door bars. Steel plate of 1/4 inch must be on drivers door. 3) All roll bars are subject to safety technical inspection and approval. 4) All cage roll bar material must be a minimum of .090 wall steel 1-3/4 inch tubing. No galvanized pipe. Maximum tubing diameter 2-inch. No threaded pipe fittings allowed. 5) All roll bar structure exposed to the driver must be padded with approved padding. The two uprights in the left side door must be padded.

Notes:

