

### **A-Stock Class Rules (2025 Season)**

#### **5.1 COMPETING MODELS**

- 1955 or newer standard size American made sedans and trucks. (2 or 4 door)
- Stock wheelbase will be 102 inches minimum to 116 inches maximum (+ or – 1”)
- No convertibles, station wagons, four-wheel drive or front wheel drive allowed.
- Car must weigh a minimum of 3,200 lbs. wet with driver

#### **5.2 BODIES**

- Panels can be replaced with stock appearing steel or aluminum parts.
- Fenders can be cut for tire clearance not to exceed 3 inches.
- Inner fender wells may be cut or removed.
- Both inner door panels may be cut out for door bars.
- Grill may be replaced with wire screen. Aftermarket nose pieces are allowed.
- All upholstery, glass, chrome, lenses, and interior fiberglass must be removed from car.
- Driver’s window must have racing approved removable window net. Window nets are always required to be used.
- Stock location firewall and floor pan must remain intact. All holes must be sealed.
- A firewall between driver and trunk area must installed and made of 20-gauge steel sheeting.
- Spoilers can have a height of 6 inches maximum and be no wider than the trunk lid. No more than 3 braces maximum. Must be triangular 6-inch height and 18-inches length at base.
- No fiberglass hoods or body panels allowed unless stock.
- No aluminum hoods or trunks allowed unless stock.

#### **5.3 FRAMES**

- Must be stock.
- Reinforcement of unibody mandatory.
- Rear of frame behind rear tires, no further forward than 1-inch behind factory seam, may be replaced in OEM location with 2-inch by 3-inch steel tubing with minimum 0.095-inch wall thickness, same length as material removed. Factory seam must remain visible. Uni-bodies must tie rear frame to front frame. Frames may be “X” braced.
- Must have a tow hook on front and rear.

#### **5.4 BUMBPERS**

- Stock or basket type front and rear. Basket type no more than 1-inch from outside of body permitted. Use of 1-1/4-inch black pipe maximum for bumpers.
- Bumpers must be reinforced so that they will not fall off on impact.
- Nerf Bars must be level to the center of axles (+ or – 8”). Maximum 1-inch from body and a maximum OD of 1-inch.

## 5.5 ROLL CAGE

- Must be a minimum of 6-point roll cage with a minimum of 3 door bars on the driver's side and a minimum of 2 door bars on the passenger side.
- Roll cage front hoops are permitted. Mandatory fuel cell protection is required.
- Roll cage may be made of 1-1/4-inch black pipe schedule 40 minimum wall thickness or 1-1/2-inch DOM tubing with .095-inch minimum wall thickness.
- Roll bars must be padded within driver's reach.

## 5.6 IGNITION

- Stock electronic or single point distributor. HEI distributor only.
- No MSD or racing aftermarket types (no amplified ignition).
- OEM ignition only.

## 5.7 ELECTRICAL

- Battery must be mounted in a positive cover to contain the acid.
- Battery box must be securely mounted with steel hold downs.
- Battery may be mounted in stock location.

## 5.8 SUSPENSION

- Must remain stock, A-arms and trailing arms, for make and model.
- An all-steel, stock configuration, with stock mounting points, non-adjustable tubular A-arm can be used to replace the stock A-arm.
- No cutting, heating, wedging, or modifying of components.
- No coil over or air shocks. OEM split valve shocks are allowed.
- No weight jacks of any kind (adjustable lowering blocks, spring spacers, adjustable shackles, or spring rubbers).
- Shocks must be in the stock location and in stock mounts only. One shock per wheel. No Heim end or aluminum. (OEM mount, OEM location, OEM style only)
- Springs must be mounted in stock OEM location and mounting only.
- Anti-sway bar must remain stock, if you choose to run one.

## 5.9 SEAT

- Type – Factory built aluminum racing seat is required.
- Seat belt – A 5-point safety harness is required to be mounted to roll cage by 3/8-inch grade 8 bolts minimum.

## 5.10 STEERING

- Must remain stock. Steering quickeners are allowed.
- Removable steering wheels are allowed. Steering column must retain a collapsible shaft or double u-joint, in stock location. Heim joint tie rod ends allowed.

## 5.11 REAR ENDS

- Ford 9-inch or Chrysler 8-3/4-inch or a floater style allowed with all makes of cars.
- Must be in stock location with stock mounts.
- Gear ratio is optional.
- Welding of spider gears, mini spools, and Posi-track is allowed.

## 5.12 RADIATORS

- Only 1 radiator mounted in stock location is allowed.
- Must have a catch tank mounted for overflow.
- Aluminum radiators are allowed.

## 5.13 WHEELS

- Maximum wheel width of 8 inches. Any rim offset is allowed.
- Steel racing type rims are permitted. No ultralights or wide 5's. Bead lock wheels are allowed if they do not exceed 8-inch width.

## 5.14 BRAKES

- OEM factory original type brakes only. No aftermarket rotors or calipers.
- All 4 brakes must lock up on inspection. Brake shut-off valves are prohibited.
- Non-firewall mounted clutch, brake, and throttle pedals are allowed. Must be in original location (+ or -) 2-inches. Aftermarket single brake master and clutch cylinder is allowed.

## 5.15 TIRES

- Tires must be DOT approved for highway use only.
- No racing, studded, or lug type mud and snow tires allowed. Grooving and siping is allowed.
- Use of 1-inch lug nuts is mandatory on right side.

## 5.16 TRANSMISSION

- OEM standard production 3 or 4-speed manual or automatic transmission only.
- No direct drivers or buttons.
- OEM clutches and OEM steel flex plates only.
- No aluminum flywheels.
- Manual transmissions must have explosion-proof steel bell housings.

## 5.17 FUEL DELIVERY SYSTEMS

- May use one 500CFM 2-barrel carburetor or one 4-barrel carburetor. May not exceed 650CFM max with a vacuum secondary. **NO DOUBLE PUMPERS!** If it has 2 accelerator pumps it is **NOT LEGAL**.
- Choke tower must be intact.
- Choke butterfly may be removed.
- Use of a 1-inch spacer is allowed. Adapters for 2BBL to 4BBL are allowed.
- Approved racing fuel cell shall be adequately sized to finish a 50-lap race without stopping for refuel.
- No boat tanks.
- Must be securely mounted with 2 metal straps in rear trunk area.
- If there is not a rear floor pan, the fuel cell shall be enclosed in a container with 4 sides and a bottom. A top to the container is strongly recommended. The container shall be constructed using 20-gauge steel or aluminum and securely mounted in the rear trunk area. The bottom of the container shall not be below the bottom of the frame rails.
- Tanks must be equipped with a non-spill cap and vent line. PCV valve can be used on vent line.
- Filler cap must be located on the inside of the body.
- No pressurized tanks allowed.

## 5.18 INTAKE

- Any cast iron or aluminum dual plane NON-air gapped manifold.

## 5.19 EXHAUST

- OEM cast iron exhaust manifolds and/or 1-5/8-inch headers.
- Manifolds must exit downward. (No body or fender exiting)
- Exhaust must exit the rear of the transmission cross member under the car.
- 2-1/2-inch maximum size exhaust pipe.
- 90-degree turn down are recommended.

## 5.20 CYLINDER HEADS

- Unaltered OEM or aftermarket stock replacement cylinder heads only. Steel valves only. Stainless steel valves are allowed. **No titanium parts of any kind.**
- Stock GM cast iron Vortec heads are allowed. The following unaltered Edelbrock Performer Vortec manifolds shall be used: #2116, #2716, #7116, #2101, #2701.
- Cylinder heads must reflect casting numbers in original form.
- Maximum 2.02 intake valves and 1.60 exhaust valves allowed.
- Stock replacement heads are allowed. Bare head part numbers are provided below. You can use the comparable “assembled” head.

<b>Manufacturer</b>	<b>Part #</b>	<b>Description</b>	<b>Intake Port</b>	<b>Intake Valve</b>	<b>Exhaust Valve</b>
Engine Quest	CH350H	Vortec	180cc	1.94	1.50
Engine Quest	CH350A	Angle Spark Plug	178cc	1.94	1.50
Engine Quest	CH350G	Vortec	180cc	1.94	1.50
Engine Quest	CH350C	Straight Spark Plug	170cc	1.94	1.60
World Products	043600	Iron 23 Degree	170cc	1.94	1.50
World Products	042660	S/R Torquer	170cc	2.02	1.60
Dart Iron Eagle	10120010	Iron Eagle	180cc	2.02	1.60
Dart Iron Eagle	10024270	Iron Vortec	170cc	1.94	1.50
Summit Racing	152123	Summit Racing	165cc	2.02	1.60
Summit Racing	151124	Summit Racing	175cc	1.94	1.50

- Unaltered means that other than gasket matching, the intake and exhaust ports shall remain untouched.
- Valve jobs, guide repair, machining for guide plates, and resurfacing are allowed.
- If the cylinder head needs some other kind of repair, please contact the tech person or a board member to see if the repair will be allowed.

## 5.21 ENGINES

- Factory engines, location, and components. May not exceed 180 PSI maximum compression and must run on automotive grade pump fuel or Avgas only. Octane rating of 100 maximum.
- Aftermarket OEM style cast iron blocks are allowed.
- Maximum cylinder bore size annotated below:

<b>Make</b>	<b>Maximum Cylinder Bore Size</b>	<b>Remarks</b>
Chevy 350	4.060	No 400cid allowed
Ford 351	4.060	400M allowed
Dodge 360	4.060	

- No porting or polishing allowed.
- No pup-up, dome, or hemi pistons allowed. Flat top or dished pistons only.
- No mechanical cams, roller rockers, roller cams, or lifters allowed. Hydraulic roller cams are allowed. Max lift of .500 is allowed.
- Aftermarket stock length replacement pressed pin connecting rods and stock stroke replacement cast crankshafts may be used.
- Connecting rods shall be identical to a scat stock replacement forged "I" beam – Part #3-ICR5700P.
- Crankshafts shall be identical to a scat pro stock cast crankshaft or a scat 9000-series crankshaft (part #9-103750 or part #9-350-3480-5700). Stroke must match block.
- No polishing of rods. No floating rods or pistons. Stock replacement rods and cranks only.
- Chain and sprocket style timing chain only.
- Mechanical or electric fuel pumps are allowed. Electric pumps must have a low oil pressure shut-off switch.