



*Tennessee's Family Action Track*

## **Sportsman**

Class will run every other week.

Heat races will determine feature starting position.

### BODIES

- Any 1968 or newer body style.
- Radios permitted.
- Minimum wheelbase will be 108 inches. No more than 1" side to side. No fabricated front clips.
- Stock equipment only. No polishing or grinding on any car engine parts.
- Battery must be in mounted in a safe manner, and be approved by track official.
- Must have emergency cut-off switch in car near driver.
- May run fabricated body. Must keep stock firewall & stock floor pan. Must be in original position on frame.
- **Must have steel roof unless running an ARP Sportsman body.**
- 6" maximum spoiler height.

### SUSPENSION

- May run Ford 9-inch rear end. Floaters are allowed must add 50lbs. no quick changes.
- Automatic or manual transmission. No power glides. Automatics must have operational torque converter. No cutting of manual transmission teeth. Three speed all gears must be in working order.
- Sway bar must be stock appearing, maximum diameter 1.250. May run eye bolts on frame.
- Wedge bolts permitted.
- May run after market A-arms and upper A-frame mounts.
- Maximum track width of 65 inches center to center.
- Lower control arms must be stock AND must be in stock location with no modification of any kind.
- Steel non-adjustable, non-rebuild able shocks ONLY. **Claimer on shocks \$125 a corner!** If you don't sale you are suspended for 2 wks.
- Minimum frame height is 6 inches with the driver.
- May run front loop bar tied to cage with one bar in front of A-arm. May run rubber nose and tail sections.
- All flammable material inside car must be removed.
- All glass must be removed, car must have full windshield. May run lexan windshield. Must have one brace minimum behind windshield.

- Driver must have racing seat in car. Must be safely secured with a minimum of six (6) 3/8-inch bolts to roll cage. Must be approved by inspector for safety.
- Drivers must have seat belts and shoulder harnesses over both shoulders with three (3) inch minimum width no more than 5 years old.
- May cut out front fender not over three (3) inches around tires. May take out hood and deck liner hinges.
- Must have minimum 2 pound fire extinguisher with a gauge and a quick release mounted securely in car within reach of driver while belted in car.
- Car must have four (4) point roll cage with diagonal bar behind driver with three (3) roll bars in left door & two (2) in right door minimum.
- Top of roll cage may extend to rear frame behind fuel cell.
- Roll bars must be 1 3/4 inch diameter and .090 tubing. Gussets required in left door bars. Bars must be padded in driver's area (legs & head bars & side bars). May X inside the frame rails.
- Front hoop bar must not extend past radiator support.
- Rear view mirror allowed.
- Doors must be bolted or welded closed.
- Left side window net is required. Must have a quick release that releases from the top.
- Engine set back rule: Engine may be moved so the number #1 plug is even the wedge bolt.
- May run solid engine and transmission mounts.
- No plastic oil pressure lines - Metal only.
- Fire suits are required.
- You may stub rear clip to the hump.
- Fuel cell required, 22-gallon maximum. Must be mounted in a safe and approved manner. Meaning securely strapped by placing two (2) straps long ways and two (2) straps crosswise around tank and bolting straps to trunk floor. Straps 1/8 inch x 1-inch thickness in width. Must be mounted in center. Bar protecting fuel cell must be no lower than 1 inch below fuel cell. Bottom of fuel cell must be no lower than 8 inches from ground. Mounting must be approved by track official.
- Must have rollover fuel valve.
- Must run Highland Rim fuel. No fuel additives allowed.

## ENGINE

- Maximum overbore .060 thousands.
- Pistons must be flat top and have .250 to first ring land.
- No polishing of rods.
- May run aftermarket stock type steel rods. (No H beams)
- May balance engine. Must maintain one virgin rod & piston.
- No racing or light weight pistons (JE, Ross, race eng.,etc.)
- May run after market crankshaft, no polishing, knife edging, etc. Crank must weigh a min. of 50 lbs.
- NO stroking up or down; 3.48 stroke only. Minimum of .010 deck clearance.
- Heads must be strictly stock.
- No porting or polishing anywhere. No deburring!
- No racing or high performance heads. Maximum 1.94 intake and 1.50 exhaust valve.

- No cutting of heads to install larger valve springs. No more than a single valve spring with damper.
- No Angle plug or Aluminum heads.
- Vortec heads allowed.
- 62 cc minimum for Chevy. 57 cc minimum for Ford.
- Cam must be hydraulic. The cam lift will be maximum lift including rocker arm. 1.5 rockers. Approved cam total lift is .450 Chevy. Ford - .480, 1.6 rockers. 400 Chevy motor - maximum 1.94 intake & 1.50 exhaust valve. Must have stock dished pistons, 76 cc head minimum. Fords with 400 cubic inch must have dished pistons, 57 cc head minimum.
- Must run hydraulic lifters. No Rhodes type or anti-pump up lifters. No oversize lifters. May have screw in studs.
- May run stock two barrel or four barrel intake or intake # 14098242, GM marine intake on old heads. All intakes must be strictly No porting or polishing of intake manifold anywhere. May also run the Edelbrock performer # 2101, 2104, or 2116. All must be in stock form.
- Headers allowed.
- Must be no larger than 1 5/8 O.D. No tuned headers.
- Exhaust pipe must be 30 inches past header flange.
- Must have stock ignition.
- Electronic distributor stock. No aftermarket distributor allowed.
- Ignition module must be stock appearing.
- No MSD systems or hot boxes.
- Caps and wires optional.
- If coil is not mounted inside distributor cap, the coil must be mounted under the hood as close to distributor as possible. No advanced kits.

#### MUFFLERS MANDATORY

100 dba will be enforced. The first week dba is not 100 or below; car will start in the rear. The second time dba is not 100 car will not be allowed to race in the event.

#### CARBURETORS

- Carburetor - Holley # 4412 or Keith Dorton series part #080583-1, Two barrel, 500 c.f.m. Base plate must be stock with a max. opening of 1 11/16 or 1.697.
- Adaptor spacer not to exceed 1 inch. No more than 1 3/8 inch distance between the base plate and intake manifold.
- All air must enter through carburetor venturi.
- Carburetor must be mounted in center of intake.
- Cold air box permitted.
- No electrical fuel pump. Fuel pressure gauge line must be steel braided.

## CRATE ENGINE GM Part # 88958602

- No modifications to Crate Motors!
- May run 1" spacer under carburetor. A. 2 one piece open hole gasket maximum - 0.065" thickness that matches the interior dimension of the carburetor throttle base plate. Maximum thickness INCLUDING spacer is 1-1/8" thickness with no air leaks.
- May run Holley Model # 4150 Part # 80541-1 650 CFM carburetor. This must remain box stock, except you may change jets, air bleed valves, and power valves. No modifications of any kind will be considered legal.
- Cold air box permitted.
- All air must enter through carburetor venture.
- There may have to be some adjustment made with weight.

## CLUTCH

- No 2-speed or 4 speed manual transmissions.
- Reverse must be operational.
- Minimum fly-wheel weight of 14 pounds.
- Stock type clutch only.

## TIRES AND WHEELS

- Must Run Track Tire Towel City Recap with stamp.
- Eight (8) inch steel wheel maximum. 1/2 inch wheel studs recommended.
- All brakes must be in working order.

## WEIGHT

- Minimum weight 3,200 pounds after race with driver.
- All weight (lead) must be mounted inside frame rail with a minimum of two (2) 1/2 inch bolts all weights are to be painted white with the car # painted on each piece. Any driver that loses any lead from his car will be fined \$250 payable prior to any further competition. This rule is in effect during race day or practice days.
- May add weight boxes to the outside of frame rails with safety bolts in the front and rear.
- Maximum left side weight 55% with driver.