

# FAIRGROUNDS SPEEDWAY NASHVILLE



## **2017 Super Street Rules** (Competing on 1/4 Mile Track)



**Speedway officials retain the right to determine eligibility.**

**NOTICE:** All equipment is subject to the approval of officials. No equipment will be considered as having been approved by reason of having passed through inspection unobserved. Any equipment which does not confirm to specifications or tolerances contained in this rulebook, will not be eligible for approval.

**NOTE:** All cars must comply with the rules set forth by the Fairgrounds Speedway at Nashville rule book to be eligible for competition. Any and all cars and car parts are subject to FSN technical inspection processes. FSN is not required to follow any other sanctioning bodies or manufactures guidelines in its inspection processes.

### **1. GENERAL**

- 1.1 Spotter radios permitted.
- 1.2 Fire suit and approved SA 2000 or newer helmet required.
- 1.3 **NO** antifreeze in radiator. \$200.00 penalty if caught using antifreeze and immediate disqualification.
- 1.4 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.
- 1.5 All cars must be painted and lettered. **NO** duct tape numbers.

### **2. BODIES**

- 2.1 May run 2 or 4 door car. Cars must be a minimum 105" wheelbase. No T-top bodies or Station wagons. Rubber noses and tails allowed. **New AR Bodies**
- 2.2 Six inch (6") frame height at all times.
- 2.3 May remove front inner fenders. May cut front fender maximum of three (3) inches around tires. Must run stock body mounts. May take out hood & deck liner hinges. Must have minimum of three (3) pins in hood. All body parts must be steel: only hood may be Fiberglass. Windshield can be replaced with lexan or another stock windshield.
- 2.4 All doors must be welded shut.
- 2.5 Battery mount must be approved.
- 2.6 Must have emergency cut-off switch.
- 2.7 Must be stock automatic transmission with working torque converter. No power glides.
- 2.8 Interior must remain open and be able to view complete floor pan except for behind the seat may be boxed.
- 2.9 Side skirts allowed, no lower than frame.
- 2.10 May run rear spoiler 6" maximum spoiler height, 60" wide.

### **3. Roll Cages**

- 3.1 Car must have four-point roll cage with diagonal bar behind driver.
- 3.2 Also have cross bar behind driver with three roll bars in left door & two in right door.
- 3.3 Top of roll cage may extend to rear frame behind fuel cell. All cars may be allowed front and rear hoop bars.
- 3.4 All roll bar tubing must be 1 3/4 inch .90 diameter. Gussets required in left door bars.
- 3.5 Bars must be added in driver's area (leg & head & side bars).
- 3.6 Must have QUICK RELEASE TYPE window net. Window net MUST release from top. One mirror is allowed inside car.
- 3.7 Racing seat mandatory; belt & shoulder harness minimum 3 inches wide. Must have all 4 bolts secured to the floor. Secure your seat belt to whatever your seat is secured to.
- 3.8 Fuel cell mandatory. 22 gallon maximum. Must be mounted in a safe and approved manner. Meaning securely strapped by placing two (2) straps longwise 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. Must have fuel cell guard bar 1" lower than fuel cell. Bottom of fuel cell must be no lower than 8 inches from ground.
- 3.9 Must have rollover fuel valve.
- 3.10 No fuel additives allowed.

### **4. SUSPENSION**

- 4.1 May run after market racing style upper A-Arms must have steel cross shaft. May also have slotted cross shaft. May not have offset cross shaft. 2" tolerance left to right side. A arm perches must remain in stock position and unaltered. NO exceptions
- 4.2 Adjustable style ball joints are permitted.
- 4.3 Racing springs permitted.
- 4.4 Sway bar must be stock 1 1/8 inch diameter max, remain in the stock location with stock mounting hardware with

- brackets on frame remaining unaltered, but may be adjustable on one side only.
- 4.5 No wedge bolts permitted. Adjustable buckets permitted. Racing shocks permitted mounted in stock location, NO adjustable or rebuildable shocks. **\$60 Claim rule on shocks.**
  - 4.6 Minimum frame height is 6 inches with the driver. Steel A-frame bushings permitted.
  - 4.7 Rear ends may be posi-traction or welded.
  - 4.8 Must have working four wheel brakes. All brakes must work.
  - 4.9 Must run rear-end that came in that car.
  - 4.10 Lower trailing arms must be stock length.
  - 4.11 Upper trailing arms may be redrilled on rear end side only to adjust pinion angle.

## 5. IGNITION

- 5.1 Stock HEI Ignition only. No MSD pickups or modules. No MSD distributors, boxes Or RPM limiting devices allowed.

## 6. ENGINE

### A. SPEC ENGINE

- 6.1 Must be standard factory production with standard external measurements in all respects.
- 6.2 No plastic or aluminum blocks.
- 6.3 Flat top pistons only. Must be stock configuration with four valve reliefs.
- 6.4 Pistons may be flush with block (zero deck height)
- 6.5 OEM or steel connecting rods permitted (must be magnetic)
- 6.6 Rods must match engine size (example: 5.700 inches on 350 Chevrolet)
- 6.7 Seven-quart oil pans allowed
- 6.8 No remote oil systems or filters.
- 6.9 One stock type oil filter in original location.
- 6.10 No oil coolers, accumps or additional oil lines permitted other than line to oil pressure gauge.
- 6.11 Standard production crankshaft only.
  - A. Chevrolet engine stock, stroke 3.480 maximum – overbore 4.060 maximum (362 cu. in. maximum).
- 6.12 No 180-degree, scalloped, knife-edge crankshafts.
- 6.13 Stroke must be stock stroke within .010, may not be increased or decreased.
- 6.14 Stock type or any S.F.I. Approved balancers only. No titanium or aluminum.
- 6.15 Fifty-pound minimum weights on all crankshafts, including timing chain gear.
- 6.16 The cylinder heads must be completely cast iron, the intake and exhaust ports must be in the original “as cast” configuration. Stock Heads Only.
- 6.17 Minimum 62 cc combustion chamber Chevy, Ford 57cc
  - A. Chevy 305 cu in engine allowed 55 cc combustion chamber cylinder heads: valves must be stock measurements  
1.50 exhaust maximum 1.840 intake maximum.
- 6.18 Mopar products: maximum 1.624 in exhaust, maximum 1.920 in. intake valves.
- 6.19 Ford Cleveland: maximum 1.655 in exhaust, maximum 2.041 in. intake valves.
- 6.20 Ford Windsor: maximum 1.546 in exhaust, maximum 2.041 in. intake valves.
- 6.21 Chevrolet small block: maximum 1.500 in exhaust, maximum 1.940 Intake valves.
- 6.22 **No** Dart, angle plug, 461, 461x, 462 or “bowtie” heads allowed.
- 6.23 World Products SR 043610 STOCK REPLACEMENT HEADS (1.5 / 1.940) allowed. Vortec heads allowed!
- 6.24 Altered heads will be disqualified.
- 6.25 Stock appearing, steel magnetic valves and in stock location only.
- 6.26 Stock diameter valve spring with steel retainers only. Chevrolet maximum 1 1/4” Dia.
- 6.27 3 angle valve jobs permitted, no machine or stone marks or blending of angle, past the chamber into the bowl area.
- 6.28 Screw in or pinned rocker studs are allowed.
- 6.29 No titanium parts allowed.
- 6.30 No cold air box permitted.
- 6.31 May run stock 2bbl or 4bbl intake, or Edelbrock performer # 2101, 2104, or 2116. All must be stock.
- 6.32 No porting, polishing or cutting.
- 6.33 On all engines, only one standard flat gasket may be used between the head and the intake manifold.
- 6.34 Any attempt to pull outside air in not permitted.
- 6.35 Only hydraulic flat tappet cams and unaltered steel hydraulic magnetic lifters allowed.
- 6.36 Maximum valve lift may not exceed .450
- 6.37 Camshaft lift checked with solid lifter with zero lashes at retainer of valve.
- 6.38 Lifters must be of stock diameter for engine application.
- 6.39 No roller rocker arms permitted. No stud girdles.
- 6.40 1.5 ratio rockers only. Cool nuts permitted.
- 6.41 All competing cars must have a working exhaust system that meet a maximum of 80 dba at 100 feet under racing conditions. No exceptions.
- 6.42 Economy 1 5/8” headers with no steps, allowed with a 3” collector into single 3 1/2” pipe that exits under car past driver.
  - A. Two into one pipe permitted for large muffler.
  - B. No X or H style exhaust pipes permitted.
- 6.43 No flexible pipes allowed anywhere or anytime.
- 6.44 Will be permitted a 5/16 header flange max with no spacer of any kind between the head of flange.

- 6.45 Mufflers are required and must be operational at all race events, including: track rental, open practice and race day. **NO EXCEPTIONS.**
- 6.46 Overbore of .060 maximum, Chevrolet, Ford and Chrysler.  
“**Machine**” Engines: Fairgrounds Speedway Nashville has approved the Holley “BOX STOCK” # 4412 carburetor. May change power valve, jets, and remove choke plate. No HP carbs or components permitted. Must use aluminum adapter plate with two holes not to exceed over 1.688 and a maximum of 1” thick may be tapered with one gasket per side and no thicker than 0.060.  
A. No Keith Dorton carburetors allowed.

#### **OPEN ENGINE**

- 6.48 Engine block must be cast or steel only. No aluminum blocks.
- 6.49 Cylinders must be cast or steel only.
- 6.50 Approved intakes manifolds. Unaltered Edelbrock Performer #2101, 2104, or 2116. All must be stock.
- 6.51 No marine style intakes.
- 6.52 Must run Holley 350 CFM two barrel part # 7448 carburetor only. No HP carbs. No HP metering block. No HP components. No air leaks.
- 6.53 Carburetor must be box stock. May remove choke flap and may change power valve and jets.
- 6.54 Must use aluminum adapter plate with two holes not to exceed over 1.5 or 1 1/2” in overall measurements. Must use CV Products part # CV161 or equivalent (3/4” thick).

### **7. CARBURETOR AIR BREATHER**

- 7.1 No air boxes, no air dams, ram air, shields or duct systems allowed. Only one untreated air cleaner element allowed.

### **8. TIRES AND WHEELS**

- 8.1 7” or 8” wide wheels with 3” OR 4” OFFSETS ONLY.
- 8.2 Approved Track Tires Only. Must be purchased from FSN.
- 8.3 66” tread width (center to center) of tires at spindle heights.
- 8.4 No tires soaking permitted. Any tire that has been soaked will be confiscated, no exceptions.

### **9. WEIGHT**

- 9.1 All cars must weigh a minimum of 3,400 pounds. 55% left side weight, AFTER RACE.
- 9.2 All weight (lead) must be mounted above frame or inside frame rail with a minimum of two 1/2 inch bolts.
- 9.3 All weights are to be painted white with the car # on each piece. Any driver that loses any lead from his car will be fined \$250.00 payable prior to any further competition race day or practice days. Weight box will be permitted and highly recommended.

### **10. GENERAL POLICY**

- 10.1 May raise or remove section of floor pan on right side of car for clearance to install large style mufflers (ex. Brezenski / Howe). Must box or replace floor pan with 22 gauge steel sheet metal only.

### **11. PROTEST TERMS RULE**

- 11.1 Rules apply for all divisions.
- 11.2 Protest must be filed immediately after the feature. Once protest is filed, it will not and cannot be withdrawn.
- 11.3 When protest and found illegal, you will lose all points and monies for that night. If you admit to being wrong and don't tear down, you lose all points and monies for that night and will not be issued a fine. Each additional time you are protested and found wrong, the fine will increase by \$50.00 and you lose all points and monies for that night.
- 11.4 When protesting, you must also tear down first.

### **12. PROTEST COST**

- 12.1 All 1/4 mile divisions: \$1,500.00 to look at everything. \$1,000.00 to look at top half only. Protester must tear down first. Speedway keeps 30%, win or lose.
- 12.2 All 5/8 mile divisions: \$2,000.00 to look at everything. \$1,500.00 to look at top half only. Protester must tear down first. Speedway keeps 30%, win or lose.

### **13. MUFFLERS MANDATORY**

- 13.1 All cars must meet track noise level specifications of maximum 90 dba. **DBA level will be enforced.** If car exceeds 90 dba, car will not be allowed to practice or race in the event. **No exceptions!**

**For all rule & technical questions contact:  
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