

# MUFFLERS ARE MANDATORY

## FAIRGROUNDS SPEEDWAY NASHVILLE

*Amended January 26, 2012 – See notes at bottom of page*

## ***2012 Super Streets Rules***

### **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.

### **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.
- 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.

### **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.
- 2.2 All stock equipment only for that year model car. KEEP IT STOCK & HAVE FUN!
- 2.3 Six inch frame height.
- 2.4 May remove both front inner fenders. May cut out front fender not over three (3) inches around tires. Must run stock body mount. 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.  
Must remove interior, headlights, taillights & all side glass leave interior open, no boxing in.  
Must leave replaced, windshield can be replaced with lexan or another stock windshield.
- 2.5 All doors must be welded shut.
- 2.6 Battery mount must be approved by Competition Director.
- 2.7 Must have emergency cut-off switch.
- 2.8 Must be stock automatic transmission with working torque converter. No power glides.
- 2.9 Interior must remain open. Must be able to view complete floor pan. Leave complete floor pan in car.
- 2.10 Side skirts allowed, no lower than frame.
- 2.11 6" maximum spoiler height, 60" wide.

### **SUSPENSION**

- 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 May have racing seat; 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. Must have fuel cell guard bar, 1" lower than fuel cell.
- 3.9 Must have rollover fuel valve.
- 3.10 No fuel additives allowed.
- 3.11 All upper and lower A arms and A arm perches must remain in stock position. No exceptions
- 3.12 Racing springs permitted.
- 3.13 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 in other words "STOCK", but may be adjustable on one side only.
- 3.14 No wedge bolts permitted. Stock shocks only. No air shock or adjustable shocks. \$60 claim rule on shocks. Adjustable buckets permitted.
- 3.15 Minimum frame height is 6 inches with the driver. NO RACING OR PERFORMANCE PARTS ALLOWED. Steel A-frame bushings permitted. If you have any questions about car rules, call Competition Director.
- 3.16 Rear ends may be posi-traction or welded.
- 3.17 Must have working four wheel brakes. All brakes must work.
- 3.18 Must run rear-end that came in that car.
- 3.19 Lower trailing arms must be stock length.

## **IGNITION**

- 4.1 Ignition, must be stock. HEI only. No MSD pickups or modules. No MSD distributors, boxes or re-chips.

## **ENGINE**

### **A. SPEC ENGINE**

- 5.1 Must be standard factory production with standard external measurements in all respects.
- 5.2 No plastic or aluminum blocks.
- 5.3 Flat top pistons only.

### **AMENDED**

- A. Must be stock configuration with four valve reliefs.
- B. Ring land must be either 5/64" 5/64" 3/16" or may use 1/8" 1/8" 3/16.
- 5.4 piston may flush with block (zero deck height)
- 5.5 OEM or steel connecting rods permitted (must be magnetic)
- 5.6 Rods must match engine size (example: 5.700 inches on 350 Chevrolet)
- 5.7 Seven-quart oil pans allowed
- 5.8 No remote oil systems or filters.
- 5.9 One stock type oil filter in original location.
- 5.10 No oil coolers, accusumps or additional oil lines permitted other than line to oil pressure gauge.
- 5.11 Standard production crankshaft only.

### **AMENDED**

- A. Chevrolet engine stock stock, stroke 3.480 maximum – overbore 4.060 maximum (362 cu. in. maximum).
- 5.12 No 180-degree, scalloped, knife-edge crankshafts.

- 5.13 Stroke must be stock stroke within .010, may not be increased or decreased.
- 5.14 Stock type or any S.F.I. Approved balancers only. No titanium or aluminum.
- 5.15 Fifty-pound minimum weight on all crankshafts, including timing chain gear.
- 5.16 The cylinder heads must be completely cast iron, the intake and exhaust ports must be in the original "as cast" configuration. Stock Heads Only.
- 5.17 Minimum 62 cc combustion chamber Chevy, Ford 57cc
  - AMENDED** 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.
- 5.18 Mopar products: maximum 1.624 in exhaust, maximum 1.920 in. intake valves.
- 5.19 Ford Cleveland: maximum 1.655 in exhaust, maximum 2.041 in. intake valves.
- 5.20 Ford Windsor: maximum 1.546 in exhaust, maximum 2.041 in. intake valves.
- AMENDED** 5.21 Chevrolet small block: maximum 1.500 in exhaust, maximum 1.940 in. intake valves.
- AMENDED** 5.22 No Dart, angle plug, 461, 461x, 462 or "bowtie" heads allowed.
- AMENDED** 5.23 World Products SR 043610 STOCK REPLACEMENT HEADS (1.5 / 1.940) allowed. Vortec heads allowed
- 5.24 Altered heads will be confiscated.
- 5.25 Stock appearing, steel magnetic valves and in stock location only.
- 5.26 Stock diameter valve spring with steel retainers only. Chevrolet maximum 1.25"
- 5.27 3 angle valve jobs permitted, however no machine or stone marks or blending of angle, past the chamber into the bowl area.
- 5.28 Screw in or pinned rocker studs are allowed.
- 5.29 No titanium parts. Locks must be magnetic steel.
- AMENDED** 5.30 No cold air box permitted.
- AMENDED** 5.31 May run stock 2bbl or 4bbl intake, or Edelbrock performer # 2101, 2104, or 2116. All must be stock.
- 5.32 No porting, polishing or cutting.
- 5.33 On all engines, only one standard flat gasket may be used between the head and the intake manifold. Maximum gasket thickness .177 inch.
- 5.34 Intake manifold 1/2" water-cooling kit allowed.
- 5.35 Any attempt to pull outside air in not permitted
  - AMENDED** A. Electric fans permitted.
- 5.36 Only hydraulic flat tappet cams and stock hydraulic magnetic lifters allowed.
- 5.37 Maximum valve lift may not exceed .450
- 5.38 Camshaft lift checked with solid lifter with zero lash at retainer of valve.
- 5.39 Stock appearing, stock size valve lifters only.
- 5.40 Lifters must be of stock diameter for engine application.
- 5.41 No mushroom or roller type lifters or camshaft.
- 5.42 No roller rocker arms permitted. No girdles.
- 5.43 1.5 ratio rockers only. Cool nuts permitted.
- 5.44 All competing cars must have a working exhaust system that meet a maximum of 80 dba at 100 feet under racing conditions. No exceptions.
- AMENDED** 5.45 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 (ex. Brezenski / Howe) style only.
  - B. No X or H style exhaust pipes permitted.
- 5.46 No alterations of any type, except external modifications for clearance purposes only.
- 5.47 No flexible pipes allowed anywhere or anytime.

- 5.48 Will be permitted a 5/16 header flange max with no spacer of any kind between the head of flange.
- 5.49 Mufflers are required. Must use Track Approved muffler. Mufflers will be required at all race events, including: track rental, open practice and race day. **NO EXCEPTIONS.**

**AMENDED** 5.50 Overbore of .060 maximum, Chevrolet, Ford and Chrysler.

5.51 **“Machine” Engines:** Fairgrounds Speedway Nashville has approved the Holley “BOX STOCK” # 4412 carburetor.

**AMENDED** A. No Keith Dorton carburetors allowed.

5.52 500 Carburetor Guidelines:

**Main Body:** Reshaping, polishing, grinding, or drilling of additional holes will not be permitted. Screw in air bleed jets will not be permitted in the 4412.

**Choke** may be removed, but all screw holes must be permanently sealed  
**Choke Horn** must not be removed.

**Carburetor Boosters:** The booster type must not be changed. Size or shape must not be altered. Height and location of the boosters must remain as manufactured. All boosters must maintain an outside minimum outside diameter of 0.61 plus or minus .010 inch. The addition of material will not be permitted to the boosters with the exception of a small amount of epoxy that may be used to assist in securing the booster stem to the main body of the carburetor. All dimensional aspects must remain as manufactured from Holley.

**Carburetor Venturi:** The venturi area must not be altered or reshaped in any manner. The venturi must maintain a circular (round) cross section. The casting ring must not be removed. The location of the venturi must remain as produced by manufacturer. Alterations that, in the judgment of Track Officials, were made to allow additional air to be picked up below the opening of the venturi such as altered gaskets, base plates, and drilling holes into the carburetor will not be permitted.

**Carburetor Throttle Body:** The carburetor Throttle body must be used as provided by the manufacturer. The positioning of the throttle bores in the carburetor throttle body must be the same as provided by the manufacturer. The throttle bores must be completely round. The throttle bores must be straight without taper from top to bottom. The throttle bores must be perpendicular to the top and bottom of the carburetor throttle body. The throttle body must not be altered in shape or size. All vacuum holes must be threaded and plugged.

**Throttle Plates (butterflies):** Stock throttle plates (butterflies), for that model carburetor, may not be thinned or tapered. Idle holes may be drilled in butterflies. Screw ends may be cut even with the shafts, but the screw heads must remain standard as from Holley.

**Throttle Shafts:** Shafts must remain stock as manufactured and must not be thinned or cut in any manner.

**Carburetor Metering Blocks:**

Only Holley metering blocks can be used. Surfacing of the metering blocks for improved gaskets seal will be permitted.

**AMENDED**

1. No HP metering blocks allowed.

**Accelerator Pump:** Only Holley accelerator pump discharge nozzles are allowed. The retaining screw must not be drilled for a discharge passage.

**Power Valves and Floats:** May be change.

## B. OPEN ENGINE

5.53 Engine block must be cast or steel only. No aluminum blocks.

- 5.54** Cylinders must be cast or steel only.
- AMENDED 5.55** Approved intakes manifolds. Edelbrock Performer #2101, 2104, or 2116. All must be stock.
- 5.56** No marine style intakes.
- 5.57** Must run Holley 350 CFM two barrel part # 7448 carburetor only. No HP carbs. No HP metering block. No air leaks.
- AMENDED 5.58** Carburetor must be box stock. May remove choke flap and may change power valve and jets.
- AMENDED 5.59** Must use aluminum adapter plate with two holes not to exceed over 1.500 or 1 1/2" in overall measurement s. Must use CV Products part # CV161 (3/4" thick).

### **CARBURETOR AIR BREATHER**

- AMENDED 6.1** No air boxes, no air dams, ram air or duct systems allowed. Only one paper air cleaner element allowed. No alterations.

### **TIRES AND WHEELS**

- 7.1** 7" or 8" wide wheels with 3" AND 4" OFFSET ONLY. No wheel spacers.
- 7.2** Tires approved are Hoosier Comanche, Towel City recap Blue Dot only, Tford Recaps or any DOT street legal tire.
- 7.3** 64 1/2" tread width (center to center of tires at spindle heights).
- AMENDED 7.4** No tires soaking permitted. Any tire that has been soaked will be confiscated, no exceptions.

### **WEIGHT**

- 8.1** All cars must weigh a minimum of 3,400 pounds. 55% left side weight, AFTER RACE.
- 8.2** All weight (lead) must be mounted above frame/inside frame rail with a minimum of two 2 1/2 inch bolts with the exception of the left side weight box.
- 8.3** 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. This rule is in effect during race day or practice days. Weight box will be permitted and highly recommended.

### **AMENDED**

#### **GENERAL II**

- 9.1** 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.

#### **PROTEST TERMS RULE**

- 10.1** Rules apply for all divisions.
- 10.2** Protest must be at scales immediately after the feature. Once protest is filed, it will not and cannot be withdrawn.
- 10.3** 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 be issued a fine in the amount of \$50.00. 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.
- 10.4** When protesting, you must also tear down first. All protests must be made at scales immediately following that division of racing.

#### **PROTEST COST**

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

**11.2** All 5/8 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.

**MUFFLERS MANDATORY** – 100 dba will be enforced. If car is not 100 dba, car will not be allowed to practice or race in the event. No exceptions!

**FAIRGROUNDS SPEEDWAY NASHVILLE REQUIRES MUFFLERS ON ALL CARS!**

**NOTE: The following rules have been amended as of January 26<sup>th</sup>, 2012:**  
5.3, 5.11, 5.17, 5.21, 5.22, 5.23, 5.30, 5.31, 5.35, 5.45, 5.50, 5.51, 5.52 (Carburetor Metering Blocks 1.), 5.55, 5.58, 5.59, 6.1, 7.4, 9.1