

# MUFFLERS ARE MANDATORY

FAIRGROUNDS SPEEDWAY NASHVILLE

## *2012 Nashville Pro Late Model Rules*

**NOTE: Item 9.4 has been amended as of 04/11/2012**

**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.

### **BODIES**

- 1.1 Body must be stock appearing, aluminum, fiberglass or metal.
- 1.2 Six and one-half inch (6 ½") spoiler maximum. Spoiler height from ground 41" max.
- 1.3 Quarter Panel Height 34 1/2"
- 1.4 Four inch (4") Ground Clearance on body (nose and rockers) before qualifying
- 1.5 Roof height minimum 47" / max 49"
- 1.6 No Downforce Bodies
- 1.7 All body rules will compile with ABC Rule Book on all max measurements. Vent window 12" Max, same as ABC package. ASA Challenge series Camero and Mustang bodies are approved.

### **SAFETY**

- 2.1 Fuel cell required and MUST be in center of car. 22 gallon maximum. It must not be lower than rear housing.
- 2.2 Left side window net required.
- 2.3 Seat belt and shoulder harness required. All belts must be quick release types (minimum 3" wide). Harness must be type that comes individually over both shoulders. Racing seat only. Seat must be bolted or welded to roll cage.
- 2.4 Two (2) drive shaft supports are required. No carbon fiber drive shafts permitted. Drive shaft must be painted white.
- 2.5 Fire suits are required.
- 2.6 Roll bars minimum 1 ¾ inch tubing with .095 thickness wall.
- 2.7 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.
- 2.8 All weight (lead) must be mounted above frame/inside frame rail with a minimum of two (2) ½ inch bolts. All weights are to be painted white or florescent with the car # painted on each piece. Any driver that loses any lead from his/her car will be fined \$250.00 payable prior to any further competition. This rule is in effect during race day or practice days.
- 2.9 Lines to fuel pressure gauge must be steel braided type.
- 2.10 TRACK OFFICIALS must approve all safety equipment.

## **SUSPENSION**

- 3.1 Minimum wheelbase of 101" (inches).
- 3.2 Engine may be moved rearward so the #1 plug is no more than 4 inches behind the left ball joint. No further back.
- 3.3 Maximum tread width 66 1/2", center wheel to center wheel. All perimeter cars 67 1/2" Max tread width.
- 3.4 Ground clearance to frame, MUST BE a minimum of 3 inches with driver.
- 3.5 Engine crankshaft must be no less than 10 inches from ground with driver.

## **AIR BOXES**

- 4.1 2.5" X 20" Max opening in cowl
- 4.2 16" Maximum element allowed

## **REV ELIMINATOR CHIPS**

- 5.1 ALL CARS! FSN WILL ENFORCE REV ELIMINATOR CHIPS! ALL CRATE ENGINES WILL USE 6400 RPM REV ELIMINATOR CHIP ONLY! ALL BUILT ENGINES WILL USE 6900 RPM REV ELIMINATOR CHIP ONLY! ABSOLUTELY NO EXCEPTIONS!

## **ENGINE I.D.**

- 6.1 All cars must display engine I.D. (Crate engine or Built engine) on dash as close as possible to MSD box. No Exceptions!

## **MACHINED ENGINES**

- 7.1 Engines may be interchanged within different car bodies.
- 7.2 Flat top pistons with (0) zero deck clearance. Maximum cubic inch 360.
- 7.3 Any type of Flat Tappet cam.
- 7.4 Roller camshaft allowed. (*see weight rules*)
- 7.5 Lifter MUST be stock size.
- 7.6 Any type magnetic steel rod – NO ALUMINUM ROD. 6.25 Max. length.
- 7.7 Dry Sump permitted. (*see weight rules*)
- 7.8 Heads must be strictly stock with no less than 62 C.C.'s. (*see weight rules*)
- 7.9 No 461 or 461X head allowed. No SB2 Chevy or equivalent Ford or Dodge allowed.
- 7.10 "Dart Heads" permitted. (*see weight rules*)
- 7.11 Valve seats can be cut for 2.02 valve.
- 7.12 No porting or polishing of heads anywhere. No deburring. (*see weight rules*)
- 7.13 FORD: Ford-n-Head – Part # M-6049-N351 or Part # M9429C358. Valves: intake 2.20 Exhaust 1.60. 62cc Runner cc 190 – 195
- 7.14 CHEVY: 492: Part # 3987376 Valves: Intake 2.02 Exhaust 1.60 62cc; Vortek: Part # 12529093 Valves: Intake 2.02 Exhaust 1.60 62cc; Bow Tie: Part # 10134392 Valves: Intake 2.02 Exhaust 1.60 62cc. Runner cc 190-195
- 7.15 Intake can be Holley #300-38, Edelbrock #5001 or #2912 or Victor Jr. with no more than 2275 cc. Ford permitted to use Victor Torquer part #2980, #2981, #2940 or #2941 Weind X-celerator #7515. Chrysler may use Victor XX-2 or Weind X-celerator # 7545. May use two-barrel Edelbrock intake #2901 or #2913.
- 7.16 No vacuum leaks between intake valve and top of carburetor.
- 7.17 Any adapter (metal or fiber) must be centered on intake.
- 7.18 Adapter plate and gaskets cannot exceed 1 1/2 inch in thickness.
- 7.19 No Aluminum Blocks Allowed
- 7.20 3.48/3.50 stroke (*see weight rules*)

## **MACHINED ENGINE CARBURETORS**

- 8.1 2 Barrel Track carburetor: Holley 4412 must have stock base plate with bore size 1 11/16 or **AMENDED** 1.687.

## **CRATE ENGINES**

**9.1** The following crate engines are approved for the 2012 season: GM part # 88958602; GM part # 88958603; GM part # 88958604; Ford part # M6007-D347; Dodge part #5007958.

**9.2** Engines must remain same as stock except for updates and rebuilds. All tear downs, protest and inspections will refer to GM Crate Tech rebuild manual. (Yellow Book) (see weight rules for updated engines weights)

**9.2a** Champ Oil Pan #CP 106LTRB approved (NO weight penalty)

**9.2b** GM small style crate balancer approved (NO weight penalty) Aftermarket balancer approved (NO weight penalty)

**9.3** All Chevy Crate Engines may run MSD distributor and Crane ignition unit, same as ASA.

**9.4** **AMENDED ON 04/11/2012:** Spec Motors carb spacer # CV156 Spacer 1", 1.688 Bore only, no modifications of any kind permitted.

**9.5** 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.

## **CRATE MOTOR CARBURETOR**

**10.1** Must run Holley carburetor model # 4150, part # 805411 650 CFM 4-barrel. This carburetor must remain box stock. You may change jets, air bleed jets, and power valves. No other modifications of any kind will be considered legal.

## **TIRE AND WHEELS**

**11.1** WHEELS – 10 inches wide. Steel Wheels Only. No half sizes.

**11.2** TIRES – Hoosiers 1070's.

**11.3** No soaking or softening of tires. Any tires found to be tampered with will be confiscated and the driver will be fined \$500.00

**11.4** No Air Bleeds

## **WEIGHT**

**12.1** GM Crate Motors 602 and 603 - 2600 lbs.

**12.2** GM Crate 604 (STOCK) 2700 lbs.

**12.3** 604 ASA updates Crate engine 2750 lbs.

**AMENDED 12.4** Ford Crate #M6007-D347 2750 lbs. + 1.5 Rocker Arms ONLY + NO spacer plate allowed under carburetor.

**12.5** Dodge Crate #P5007958 2700 lbs.

**12.6** McGunegill ASA Ford Spec engine 2750 lbs.

**12.7** 358 ci flat tappet cam, DART 62 cc steel head, no port or polish on heads 2700 lbs.

**12.8** 358 ci roller cam, DART 62 cc steel head, no port or polish on heads 2750 lbs.

**12.9** 358 ci flat tappet cam any cc steel head, no port or polish on heads 2750 lbs.

**12.10** 358 ci roller cam any cc steel head, no port or polish on heads 2800 lbs.

**12.11** 358 ci roller cam any cc steel head, ported and polished heads 2850 lbs.

**12.12** 358 ci Alu head 9.5 to 1 2800 lbs.

**12.13** Anyone running something other than a 3.48/3.50 (Chevy) crank must add 50 lbs. to their total.

**12.14** Any built/machine shop engine running a dry sump system must add 25 lbs. to their total.

**12.15** No SB2 engines

**12.16** 58.4% left side weight

**AMENDED 12.17** Built engines, Holley 2 bbl, 4412 STOCK base plate opening 1 11/16/1.687

**12.18** Crate & ASA cars, Holley 4 bbl, ASA 650 Box Stock with exception of jets, air bleed jets and power valves, boosters may be epoxied but in stock location.

**12.19** Ken-Ten Series has the right to add lead or make any change to level up the field!

## **UPDATED CRATES**

**13.1** 88958604 Motor updates are GM # 12370839 1.6 Rocker (aftermarket type rockers are

- approved must be 3/8 stud size)  
13.2 Valve Spring # PHM701 (yellow beehive style also available at GM)

### **PERIMETER LATE MODELS**

- 14.1 Can remove right side door bars  
14.2 Can have aluminum interior  
14.3 Get an extra 1" of tread width. Must have a conventional steering box to get extra 1".

### **PROTEST TERMS RULE**

- 15.1 Rules apply for all divisions.  
15.2 Protest must be at scales immediately after the feature. Once protest is filed, it will not and cannot be withdrawn.  
15.3 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.  
15.4 When protesting, you must also tear down first. All protests must be made at scales immediately following that division of racing.

### **PROTEST COST**

- 16.1 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.  
16.2 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.

### **GENERAL POLICY**

- 17.1 Two-way radios mandatory. Each team must scan the Fairgrounds Speedway Nashville racing frequency.  
17.2 All teams must notify race control of team radio frequency used in competition.

**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!**

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