

## EFI RUMBLE

### CLASS DESIGNATIONS & INDEX

A-9.50	B-10.00
C-10.50	D-11.00
E-11.50	F-12.00
G-12.50	H-13.00
I-13.50	J-14.00
K-14.50	L-15.00

### Class Description

EFI RUMBLE is designed for production domestic vehicles which came equipped with electronic fuel injections. Vehicles must run engine type originally installed in vehicle. EFI RUMBLE is based on an index which you must choose during the tech-in process or prior to the first scheduled qualifying run. Once a qualifying run has been made, changing your index is prohibited. The closer you qualify to your index, the higher you will qualify. All runs made faster than your index will be disqualified. EFI RUMBLE racing will be conducted at all drag racing events (see race schedule).

### Accepted Products:

Accepted Products Deadline: NMCA will accept requests from manufacturers to have new products considered for addition to 2012 accepted lists only up until November 10, 2012. After this date, NMCA will consider manufacturer requests for new products for the 2013 season.

### Qualifying Information, Ladder Type, & Tree

All Run, NHRA Sportsman Ladder, .500 Pro Tree, Handicap Start.

## EFI RUMBLE

All EFI RUMBLE class participants must declare & have posted the EFI RUMBLE class of choice prior to the 1st scheduled qualifying run in their respective eliminator or at the time of technical inspection. If you fail to declare your index, you will automatically be placed in the "A" index class. No change of class is permitted after the first scheduled qualifying round for the respective eliminator.

### Class Guidelines

#### **1: ENGINE**

##### 1.1 COOLING SYSTEM

**RADIATOR:** OEM production-style or aftermarket radiator is required and must be mounted in stock location. Stock core support is required.

**Water pump:** Any aftermarket (belt drive or electric drive) pump permitted.

**COOLING FANS:** Any permitted.

##### 1.2 ENGINE

**ENGINE:** Any internal engine modifications permitted. Equipped with EFI

1.3 EXHAUST: All entries allowed to use tubular headers. Adapter plates permitted to bolt headers to cylinder head. Exhaust must be directed out of car body, away from driver and fuel tank.

1.3a) HEADERS & COLLECTORS: Any headers and/or collectors permitted.

1.3b) EXHAUST TUBING/SIZE: Any tubing size permitted.

1.3c) TAILPIPE & EXHAUST RULES: Not required.

1.3d) MUFFLER REQUIREMENTS: Not required.

1.5 FUEL DELIVERY SYSTEM: Fuel cells, electric or mechanical fuel pumps, pressure regulators, and any line size permitted. Fuel pump must shut off with a master electrical switch. Stock gas tank (if used) must be retained in factory location. Modified fuel pickups & outlet permitted.

Aftermarket/fabricated fuel tank or cell permitted. Must be located in trunk area. If tank or fuel filler is inside trunk, a bulkhead of minimum .032" aluminum or .024" steel must be used between trunk and driver compartment, and tank must be vented to outside of car. When used, fuel cells must have a metal box protecting the part of the fuel cell that is outside the trunk floor. Non-metallic fuel cells or tanks must be grounded to frame. See NHRA General Regulations Section 1.5.

1.6 GASOLINE: Gasoline and E-85 is the only permitted fuel in EFI classes.

ALCOHOL: Prohibited.

NITROUS OXIDE: Permitted.

1.9 OIL SYSTEM: OEM Style (Wet or Dry Sump, as equipped), required.

1.10 SUPERCHARGER: Permitted.

1.15 BLOCK: Any permitted.

1.16 ENGINE LOCATION\MOUNTS: Stock location.

1.17 HEADS: Aftermarket cylinder heads permitted.

1.18 VALVETRAIN: Any valve train permitted.

1.19 CARBURETOR: Prohibited.

1.20 FUEL INJECTION: Only electronic fuel injection is accepted.

1.21 INTAKE MANIFOLD: Sheet metal intake prohibited. Manifolds restricted to commercially available cast or plastic units.

1.22 SOLENOIDS: Any accepted.

1.23 TURBOCHARGER: Accepted

1.24 AFTERCOOLER/INTERCOOLER: Accepted.

## **2: DRIVETRAIN**

2.3 CLUTCH: Clutch operation must be manually applied and disengaged with foot during run.

2.4 DRIVESHAFT: Any permitted.

2.11 REAREND: Any automotive type rearend permitted.

2.12 MANUAL TRANSMISSIONS: OEM or aftermarket transmissions with a maximum of 6 forward speeds permitted. Clutchless transmissions prohibited. All shifts must be made manually without the aid of electric, hydraulic or pneumatic devices. Starting line rev limiters permitted. Torque converter not permitted with this type transmission.

2.13 PURPOSE BUILT TRANSMISSIONS: Prohibited.

2.14 AUTOMATIC TRANSMISSIONS: (OEM American transmissions or replicas of OEM American transmissions that use planetary gears) Transbreak Prohibited. Automatic

transmissions originally produced by any American automobile manufacturer or replicas of an automatic transmission produced by any American automobile manufacture (Ex. Deadenbear PG transmission) are accepted. Transbreak Prohibited. Starting line rev limiters prohibited. (Aka 2 step).

### **3: BRAKES & SUSPENSION**

3.1 BRAKES: The braking system may be upgraded.

3.2 SHOCK ABSORBERS: Each vehicle in competition must be equipped with one operative shock absorber for each sprung wheel. Shock absorbers may be either hydraulic or friction type, securely mounted and in good working order.

3.4 SUSPENSION:

FRONT SUSPENSION: Stock front suspension required. Aftermarket direct replacement suspension components including A-arms permitted.

REAR SUSPENSION: Stock-type rear suspensions required. Ladder bars, four-links prohibited.

3.6 WHEELIE BARS: Wheelie bars prohibited.

**4: FRAME:** Stock frame required but may be strengthened with the addition of braces and subframe connectors. Back-half chassis and mini-tubs are prohibited.

4.5 GROUND CLEARANCE: Minimum 3 inches from front of vehicle to 12 inches behind centerline of front axle; 2 inches for remainder of vehicle, except oil pan and exhaust headers.

4.12 WHEELBASE: Must retain stock wheelbase with a maximum variation from left to right and front to back of 1 inch. Stock overhangs are required.

### **5: TIRES & WHEELS**

5.1 TIRES: Street type, drag radial, or drag slick tires permitted. Maximum racing tire rear width is 11.0-inches as measured (slicks) or 345mm with a drag radial or street radial. The front tires are limited to 4.5-inch minimum tread width. The tread of the tires is not allowed to protrude outside the exterior bodyline at the top of the tire.

**6: INTERIOR:** Must have full factory seating, upholstery, and carpeting. Aftermarket upholstered bucket seats permitted. Full dashboard mandatory. Aftermarket gauges permitted. Rear seat may be removed when roll bar/cage is installed. Area must be carpeted or upholstered equivalent to factory specifications (no bare paneling).

**7: BODY:** Exterior body modifications are permitted.

7.1 ADVERTISING

GRAPHICS/LETTERING: Graphics/lettering for advertising or creative purposes permitted on entire body.

CONTINGENCY DECALS: In order to be eligible for NMCA official contingency program, all contingency decals are required to appear only on the rear quarter windows or rear window in a clear and organized fashion. Contingency decals may not be overlapped or modified. Other decals and sponsorship (non-contingency) may appear on bodywork, front end, and on windows.

**NMCA REQUIRED DECALS:** The following decals are required for competition in NMCA events.

NMCA Windshield Decal – must be installed on top of windshield. This NMCA decal must be the only decal on top of windshield. Other vehicle sponsor decals may be placed at base of windshield.

NMCA 2012 Drag Racing Series “Side” Decals – must be installed on each side of vehicle on quarter windows.

Class Sponsor Decal – class sponsor decal must be installed on base of windshield on the passenger side.

Permanent Numbers – permanent numbers are required for competition in this class.

7.2 SPOILERS, WINGS: Aftermarket wings and/or spoilers permitted.

7.5 FIREWALLS: Stock firewall in stock location mandatory.

7.6 FLOOR/TRUNK PAN: Complete stock floor in stock location mandatory.

Floor/Trunk Pan modifications permitted for clearance purposes of fuel cell accepted.

Material to be used if there are floor/trunk pan modification is limited to same type material and same or greater thickness as original floor/trunk pan.

7.7 HOOD/SCOOP: Cowl induction hoods accepted may be no higher than 5 inches.

Hood scoops prohibited. The entire induction system must be completely covered by hood or scoop, which must be part of the vehicle hood.

7.9 WINDSHIELDS/WINDOWS: Must be OEM safety glass

7.12 GRILL: A full-production grille is required for the body style used. Covering in front of or behind the grille prohibited.

7.13 WHEEL WELLS

INNER WHEELWELLS: Stock wheel tubs required.

OUTER FENDERS: Leading and trailing edges of fenders may be trimmed for tire clearance, maximum 2”.

7.14 RAM AIR: Factory Style Permitted.

7.15 DOORS: OEM doors required.

## **8: ELECTRICAL**

8.1 BATTERY: Battery may be relocated. Charging system required.

8.3 IGNITION: Any battery powered ignition system permitted.

8.5 STARTER: All entries must be self-starting with on-board starter.

## **9: SUPPORT GROUPS**

Bracket racing aids such as optical sensors, delay boxes, stutter boxes, and throttle stops prohibited. The application or use of any device, mechanical or electronic, that permits the driver to ascertain the position of their vehicle in relation to the starting line is prohibited.

9.2 ONBOAED DIAGNOSTICS/DATA RECORDERS: Onboard diagnostics and data recorders used to monitor and record parameters such as a driveshaft speed, acceleration, nitrous timing, chassis strain, suspension travel etc., accepted. Wide band oxygen sensors permitted. “Playback” tachometers permitted. Laptops permitted in vehicle.

9.8 TOW VEHICLES: Vehicles may not be towed in or to staging lanes. Vehicles may not be towed from the return road.

**10: DRIVER**

10.4 CREDENTIALS: See general regulations.

**11: CLASS & SAFETY REQUIREMENTS**

It is the participant's responsibility to familiarize oneself with the class requirements as found in the 2012 NMCA rulebook and the safety requirements as found in the 2012 NHRA rulebook.

The participant agrees that the participant bears the ultimate responsibility at all times to ensure the safety of participant's vehicle and to ensure that participant complies with all applicable NHRA & NMCA rules. The participant agrees that participant is in the best position to know about the construction and operation of participant's vehicle, equipment, and clothing, and whether there has been compliance with all applicable NHRA & NMCA rules.

**12: STREET LEGAL REQUIREMENTS**

Headlights and tail lights for year & make of body used mandatory and must be functional.

**13: WEIGHT**

Weight is not a tech item however excessive lightening as determined by the tech officials will not be permitted.