



## **SHRA NOSTALGIA SUPER STOCK 2015 RULES**

### **CLASS DESIGNATIONS & INDEX**

AA/FX - (9.00 1/4 mile) - (5.76 1/8th mile)

A/FX - (9.25 1/4 mile) - (5.92 1/8th mile)

B/FX - (9.50 1/4 mile) - (6.08 1/8th mile)

C/FX - (9.75 1/4 mile) - (6.25 1/8th mile)

A/NSS - (10.00 1/4 mile) - (6.41 1/8th mile)

B/NSS - (10.50 1/4 mile) - (6.73 1/8th mile)

C/NSS - (11.00 1/4 mile) - (7.05 1/8th mile)

D/NSS - (11.50 1/4 mile) - (7.37 1/8th mile)

E/NSS - (12.00 1/4 mile) - (7.69 1/8th mile)

F/NSS - (12.50 1/4 mile) - (8.01 1/8th mile)

G/NSS - (13.00 1/4 mile) - (8.33 1/8th mile)

### **Class Description**

Nostalgia Super Stock is an index-style foot brake only class for the year models, body styles, and engine combinations, which accurately represent those cars, which raced in the A/FX and Super Stock classes of the '60's. Certain exceptions in the authenticity of these cars will be allowed. Among those exceptions, but not limited to, are factors concerning safety, equality in performance, availability, and durability. Classification will be based on a visual inspection and an e.t. range. No modifications, which alter the car from factory stock, are permitted unless they are specifically allowed in these rules.

Sandbagging, excessive braking near the finish line, or excessive mph for a given e.t. is subject to result in a disqualification. Nostalgia Super Stock is an all run field and will complete on an NHRA Sportsman type ladder. The class will qualify by elapsed time closest to index, be paired according to qualifying positions, and then advance to eliminations. All qualifiers in Nostalgia Super Stock must have a valid elapsed time recorded to be placed into eliminator competition. Nostalgia Super Stock racing will be conducted at all drag racing events (see race schedule).

### **Qualifying Information, Ladder Type, and Tree**

All Run, Sportsman Ladder, .500 Full Tree, Handicap Start.

Eligible Year Models and Body Styles:

The following is a list of cars/engines, which are allowed to compete in the Nostalgia Super Stock class:

- AMC AMX: 1968-1969; 390
- Chevrolet Full Bodied: 1959-64; 348 & 409's, Z11 427
- Chevrolet Full Bodied: 1965-67; 396-454
- Chevrolet Chevelle: 1964-1967; 396-454
- Pontiac Full Bodied: 1959-67; 389-455
- Tempest/GTO: 1962-67; 389-455
- Ford Full Bodied: 1959-67; 390-427
- Ford Thunderbolt: 1964; 427
- Fairlane/Comet/Cyclone/Falcon: 1963-67; 427
- Dodge/Plymouth Full Bodied: 1960-67; 383-440 wedge
- Dodge/Plymouth Full Bodied: 1964-67; Hemi
- Buick Full Bodied; 1960-67; 401-455
- Skylark GS: 1964-67; 400-401-455
- Oldsmobile Full Bodied: 1960-67; 394-400-455
- Cutlass/442: 1964-67; 400-455
- Dart/Barracuda: 1967-69; 383-440
- Dart/Barracuda: 1968; 426 Hemi
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### **NSS CLASSES**

All NSS class participants must declare and have posted the NSS class of choice prior to the 1<sup>st</sup> scheduled qualifying run in their respective eliminator or at the time of technical inspection. No change of class is permitted after the first scheduled qualifying round for the respective eliminator.

## **CLASS GUIDELINES NOSTALGIA SUPER STOCK**

### **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: See ELIGIBILITY YEAR MODELS AND BODY STYLES. Any internal engine modifications permitted.

#### **1.3 Exhaust**

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.

#### **1.4 FUEL DELIVERY SYSTEM**

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 and 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

#### **1.5 GASOLINE**

**GASOLINE:** Gasoline is the only permitted fuel in NSS classes. Gasoline is one of the two fuels permitted in the FX classes.

## **1.6 ALCOHOL**

**ALCOHOL:** Permitted in the FX classes.

## **1.7 NITROUS OXIDE**

**NITROUS OXIDE:** Prohibited.

## **1.8 OIL SYSTEM**

**Oiling System:** Dry-sumps prohibited. Oil pump must retain in stock location. Oil pan capacity may be increased.

## **1.9 SUPERCHARGER**

**Supercharger:** Prohibited.

## **1.10 BLOCK**

**BLOCK:** Aftermarket blocks may be either cast iron or aluminum if they appear externally to be the same as was originally available as the year/make/model of entry.

## **1.11 ENGINE LOCATION/MOUNTS**

**Engine Location/Mounts (NSS CLASSES):** Block and/or heads must not touch stock firewall. Firewall must be in stock location. Engine plates and solid engine mounts permitted.

**Engine Location/Mounts (FX CLASSES):** Engine plates and solid engine mounts permitted.

Engine may be set back as far as necessary. The centerline of the number-one spark-plug hole may not go further back than the base of the windshield. Sidewinder engine placement prohibited.

## **1.12 HEADS**

**HEADS:** Aftermarket cylinder heads permitted. Cylinder heads may be cast iron or aluminum if they appear externally to be the same as was originally available on the year/make/model of entry. Any internal cylinder-head modifications permitted.

## **1.13 VALVETRAIN**

**VALVETRAIN:** Any valvetrain permitted.

## **1.14 CARBURETOR**

CARBURETOR (NSS CLASSES): All entries in the eliminator must be carbureted as outlined below. Carburetors must be of type and design as originally produced for a specific vehicle. Positioning of carburetors from factory mounting not a tech item (carburetors may be positioned facing forwards, backwards, or side mounted). Choke horn, choke plate, choke shaft, choke linkage, and choke mechanism may be removed.

The following carburetor combinations are allowed, regardless of year/make/model of entry:

- Buick 400-455; Single AFB or Q-Jet, or Holley, inline 2x4 AFB.
- Chevy 348-409; Inline 2x4, inline 3x2 with Rochester or single 4bbl with Carters, AFB's, Rochester, Edelbrocks, or Holley.
- Chevy 396-454; Single 4bbl with Rochester, Carter, AFB, Edelbrock, Holley, Inline 2x4 AFB or Holley, Inline 3x2 Holley.
- Chrysler Hemi; Inline 2x4 or single 4bbl with Carters, AFB's Edelbrocks, Holleys; or cross-ram 2x4 intake with Holleys.
- Chrysler Wedge Inline or cross-ram 2x4 or single 4bbl intake with Carters, AFB's, Edelbrocks, or Holleys.
- Ford; Inline 2x4 intakes, inline 3x2, or single 4bbl with Holleys.
- Pontiac; Inline 2x4 intakes or single 4bbl with Carters, AFBs, Edelbrocks, or Holleys; or inline 3x2 with Rochester.
- AMX 390-Cross Ram 2x4 bbl intakes with Holleys or single Holley.
- Olds 400-455; 1x4 Q-Jet or Holley, inline 3x2 Rochester.

CARBURETOR (FX CLASSES); Vehicles in this class permitted the use of carburetors listed for NSS, or Holley up to 850 cfm in size (no Dominators).

## **1.15 FUEL INJECTION**

FUEL INJECTION: Era-correct mechanical fuel injection permitted in FX classes only.

## **1.16 INTAKE MANIFOLD**

INTAKE MANIFOLD: Sheet metal intake prohibited. Manifolds restricted to commercially available cast units. Top of manifold lid may be modified and fabricated as necessary to accommodate carburetor placement.

## **1.17 SOLENOIDS**

SOLENOIDS: Prohibited.

## **1.18 TURBOCHARGER**

TURBOCHARGER: Prohibited.

### **1.19 AFTERCOOLER/INTERCOOLER**

AFTERCOOLERS/INTERCOOLER: Prohibited.

## **2: DRIVETRAIN**

### **2.1 CLUTCH**

CLUTCH: Clutch operation must be manually applied and disengaged with foot during run, without the assist of electric, hydraulic, or pneumatic devices. Multi state, variable release, or lick up type of any description is prohibited. Throwout bearing must release all fingers or levers simultaneously.

### **2.2 DRIVESHAFT**

DRIVESHAFT: Any permitted.

### **2.3 REAREND**

REAREND: Any automotive type rearend permitted.

### **2.4 MANUAL TRANSMISSIONS**

MANUAL TRANSMISSION: OEM or aftermarket transmissions with a maximum of 4 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.

### **2.5 PURPOSE BUILD TRANSMISSIONS**

PURPOSE BUILD TRANSMISSIONS: Prohibited.

### **2.6 AUTOMATIC TRANSMISSIONS**

(OEM American transmissions or replicas of OEM American transmissions that use planetary gears.)

AUTOMATIC TRANSMISSIONS: Automatic transmissions originally produced by any American automobile manufacturer or replicas of an automatic transmission produced by any American automobile manufacturer (EX. Deadenbear PG transmission) mandatory. Lock-up Lock-up transmissions/torque converters permitted. Transmission-to-engine adapters permitted. All shifts must be made manually without the aid of electric or pneumatic devices. Transbrake prohibited. In those classes that prohibit trans-brakes the following will be used to enforce the rule. A competitor may elect to

leave the trans-brake solenoid installed in the transmission, however, any/all physical wiring must be removed to the solenoid while the vehicle is in competition.

Starting line rev limiters prohibited. Clutch prohibited with this type of transmission.

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

#### **3.1 BRAKES**

**BRAKES:** The braking system may be upgraded. All cars must have front and rear hydraulic brakes. Automated brakes or any type of traction control is prohibited. Application and release of brakes must be a function of the driver's foot. Line lock permitted on front wheels only. Any other electric, pneumatic, or hydraulic device in the system is prohibited.

#### **3.2 SHOCK ABSORBERS**

**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.

#### **3.3 STEERING**

**STEERING:** (NSS CLASSES): OEM steering mandatory.

#### **3.4 SUSPENSION**

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

**REAR SUSPENSION:** Rear Suspension of ladder bar, three/four link, or stock rear suspensions permitted.

#### **3.5 WHEELIE BARS**

**WHEELIE BARS:** Wheelie bars permitted in FX classes and A/NSS.

### **4: FRAME**

#### **4.1 FRAME**

**FRAME (NSS CLASSES):** Stock frame required but may be strengthened with the addition of braces and "notched" or moved inboard for rear-tier and wheel tub clearance.

**FRAME (FX CLASSES):** Frame alteration permitted; full tube chassis prohibited.

## **4.2 GROUND CLEARANCE**

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.

## **4.3 WHEELBASE**

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

WHEELBASE (FX CLASSES): Any period-style alteration of wheelbase and overhang is allowed.

## **5: TIRES AND WHEELS**

### **5.1 TIRES**

TIRES (FX CLASSES, A/NSS, B/NSS): Street type or drag slick tires permitted. Maximum rear tire designation of 10.5W x 33-inch permitted. 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.

TIRES (ALL OTHER NSS CLASSES): Street type or drag slick tires permitted. Maximum rear tire designation of 10.5W x 31-inch permitted. The front tires are limited to 4.5-inch minimum tread width. Tire tread may not extend outside fenders.

DOT tires permitted. Maximum rear tire sidewall designation of 14.5" x 31" with a maximum of 11.5" tread width permitted.

### **5.2: WHEELS**

WHEELS: Spindle-mount front wheels prohibited.

## **6: INTERIOR**

### **6.1 INTERIOR**

INTERIOR (NSS CLASSES): 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 baring paneling).

INTERIOR (FX CLASSES): Full removal of interior allowed.

## **7: BODY**

**NSS CLASSES:** Topless cars prohibited. Lightweight replacement parts permitted for fenders, hood, doors, deck lid, and bumpers. External modification of any body panel that will alter the stock bodyline is prohibited. The body must be finished and painted.

**FX CLASSES:** Topless cars prohibited. Lightweight replacement parts permitted for fenders, hood, doors, deck lid, and bumpers. External modification of any body panel that will alter the stock bodyline is prohibited. Hoods are optional. The body must be finished and painted.

### **7.1 ADVERTISING**

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

**CONTINGENCY DECALS:** In order to be eligible for SHRA official; contingency program, all contingency decals are required to appear only on the rear quarter windows or rear windows 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.

### **7.2 SPOLERS, WINGS**

**SPOILERS, WINGS:** Aftermarket wings and/or spoilers prohibited.

### **7.3 FIREWALLS**

**FIREWALLS:** Stock firewall in stock location mandatory. Firewall may be relocated in FX classes.

### **7.4 FLOOR/TRUNK PAN**

**FLOOR/TRUNK PAN:** Complete stock floor in stock location mandatory. Floor/Trunk Pan modifications permitted for clearance purposes of ladder bars, mufflers, and fuel cell. 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.

### **7.5 HOOD/SCOOP**

**HOOD/SCOOP (NSS CLASSES):** Hood/scoops limited to OEM equipment or period style. Hood/scoop may be no higher than 5 inches. Pro stock-style scoops prohibited. The entire induction system must be completely covered by hood or scoop, which must be part of the vehicle hood.

**HOOD/SCOOP (FX CLASSES):** Not required.

## **7.6 WINDSHIELD/WINDOWS**

WINDSHIELD/WINDOWS: Must be OEM safety glass or NHRA/IHRA approved Lexan or Plexiglas.

## **7.7 BUMPERS**

BUMPERS: Complete stock-appearing bumpers required.

## **7.8 FENDER SPLASH PANS**

FENDER SPLASH PANS (NSS CLASSES): OEM or aftermarket full-fender splash pans are required. Splash pans may be trimmed to allow clearance for headers. Removable fender splash pans acceptable.

FENDER SPLASH PANS (FX CLASSES): Not required.

## **7.9 GRILLE**

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

## **7.10 WHEEL WELLS**

INNER WHEELS: Aftermarket wheeltubs permitted. Material used to add to the width of the inner wheelwell may be steel or aluminum.

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

## **7.11 RAM AIR**

RAM AIR: Any aftermarket or fabricated ram-air unit permitted that is not visible from exterior of vehicle.

## **7.12 DOORS**

DOORS: OEM or aftermarket doors permitted. Driver and passenger doors must be functional and operable from inside and outside of vehicle.

## **8: ELECTRICAL**

### **8.1 BATTERY**

BATTERY: Battery may be relocated. Charging system optional.

### **8.2 IGNITION**

IGNITION: Any battery powered ignition system permitted unless specified in this section. Programmable digital ignition boxes prohibited. The use of any programmable multi-point rev limiter or rate of acceleration, rpm limiter, either by themselves or integrated into the ignition system are prohibited. Traction control prohibited. No laptops permitted in car at any time.

### **8.3 STARTER**

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, two-steps, 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.

### **9.1 ONBOARD DIAGNOSTICS/DATA RECORDERS**

ONBOARD DIAGNOSTICS/DATA RECORDERS: Onboard diagnostic and data recorders used to monitor and record parameters such as a driveshaft speed, acceleration, nitrous timing, chassis strain, suspension travel, etc. prohibited. Wide band oxygen sensors permitted. 'Playback' tachometers permitted. Laptops prohibited in vehicle.

### **9.2 TOW VEHICLES**

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

## **10: DRIVER**

### **10.1 CREDENTIALS**

CREDENTIALS: See general regulations.

## **11: CLASS & SAFETY REQUIREMENTS**

It is the participant's responsibility to familiarize oneself with the safety requirements as found in the 2006 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 & Texas Outsiders rules. The participant agrees that participant is in the best position to know about the construction and operation of participant's vehicles,

equipment, and clothing, and whether there has been compliance with all applicable NHRA & Texas Outsiders rules.

## **12: STREET-LEGAL REQUIREMENTS**

Headlights and tail lights for year and make of body used mandatory. Single taillight required to be functional.

## **13: WEIGHT**

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

## **14: EXEMPTIONS**

EXEMPTIONS: A one race exception for a single rule infraction may be granted by the committee. Any questionable items will be ruled on by the committee. All decisions made by the committee are final.

### **SUPER STOCK RULES COMMITTEE CONTACT INFORMATION**

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