

## **MOPAR NOSTALGIA SUPER STOCK**

### **Class Description**

MOPAR 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 '60s. 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, or as authorized by the rules committee. Sandbagging, excessive braking near the finish line or excessive mph for a given e.t. is subject to result in a disqualification.

### **CLASS DESIGNATIONS & INDEX**

AAAA/FX	8.50
AAA/FX	8.75
AA/FX	9.00
A/FX	9.25
B/FX	9.50
C/FX	9.75
A/NSS	10.00
B/NSS	10.25
C/NSS	10.50
D/NSS	10.75
E/NSS	11.00
F/NSS	11.25
G/NSS	11.50
H/NSS	11.75
I/NSS	12.00
J/NSS	12.25
K/NSS	12.50
L/NSS	12.75
M/NSS	13.00

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

All Run, NHRA Sportsman Ladder, .500 Full Tree, Handicap Start, Courtesy Stage.

Class will qualify, be awarded qualifying points and be laddered based on elapsed time closest to index recorded in the qualifying sessions.

All class participants must declare & have posted the class of choice prior to the 1st scheduled qualifying run in their respective eliminator or at the time of technical inspection. Competitors may change classes up to 30 minutes following the first Qualifying Attempt. If a competitor changes classes, any previous qualifying runs will be void and not count towards qualifying. Failure to declare an index will result in placement in the "M" Index Class. All qualifiers must have a valid elapsed time recorded to be placed into eliminator competition.

### **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:

- Dodge/Plymouth Full Bodied: 1960-67; 383-440 wedge
- Dodge/Plymouth Full Bodied: 1964-67; Hemi
- Dodge/Plymouth Satellite, Road Runner, Coronet, RT, Super Bee, GTX: 1968-71; Big Block
- Dodge Charger: 1966-71; 383, 440, Hemi
- Dodge Dart/Barracuda: 1967-69; 383-440
- Dodge Dart/Barracuda: 1968; 426 Hemi

### **ENGINE**

#### **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.

#### **ENGINE**

See ELIGIBLE YEAR MODELS AND BODY STYLES. Any internal engine modifications permitted.

#### **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.

#### **HEADERS & COLLECTORS**

Any headers and/or collectors permitted.

#### **EXHAUST TUBING/SIZE**

Any tubing size permitted.

#### **TAILPIPE & EXHAUST RULES**

Not required.

## **MUFFLER REQUIREMENTS**

Not required.

## **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.

## **FUEL**

Commercially available racing gasoline, pump gasoline, and E85 are the only fuels permitted. Maximum blended volume of alcohol may not exceed 85%.

ALCOHOL: Permitted in the FX classes.

NITROUS OXIDE: Prohibited.

## **OIL SYSTEM**

Dry-sumps prohibited. Oil pump must remain in stock location. Oil pan capacity may be increased.

## **SUPERCHARGER**

Prohibited.

## **DISTRIBUTOR**

Must remain in stock location with cam gear drive. Belt drive Distributors permitted in AAA/FX through C/FX classes only.

## **BLOCK**

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

## **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 set back permitted. Engine may not be set back more than 12 inches as measured from the front spark plug hole and the factory stock (OEM) location. Sidewinder engine placement prohibited. (Reference: Firewalls, section 7.5)

### **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.

### **VALVETRAIN**

Any valve train permitted.

### **CARBURETOR**

(NSS CLASSES): All entries in the eliminator must be carbureted as outlined below. 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. Carburetors are restricted to the following manufactures: Holley, Edelbrock, Carter, Rochester, Demon, Quick Fuel Technologies. Vehicles in this class permitted the use of carburetors listed for NSS, or Holley, Quick Fuel or Holley based carburetor 4150 style with a maximum 1.750 throttle blade. (NO Dominators). Carburetor must have commercially available cast main body. Billet Base Plate and metering blocks are permitted. All NSS combinations are permitted dual four carburetor setup.

### **FUEL INJECTION**

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

### **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.

Sheet metal or Billet Aluminum units permitted in AAAA/FX, AAA/FX, AA/FX, and A/FX ONLY.

### **SOLENOIDS:**

Prohibited.

### **TURBOCHARGER**

Prohibited.

### **AFTERCOOLERS/INTERCOOLER**

Prohibited.

## **DRIVETRAIN**

### **CLUTCH**

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

### **DRIVESHAF**

Any permitted.

### **REAREND**

Any automotive type rearend permitted.

### **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.

### **MANUAL TRANSMISSION (F/X Classes)**

OEM or aftermarket transmissions with a maximum of 5 forward speeds or clutchless transmissions permitted in AAAA/FX, AAA/FX, AA/FX and A/FX classes ONLY. All Planetary Transmission including Lenco type or any combination thereof prohibited. All shifts must be made manually without the aid of electric, hydraulic or pneumatic devices.

### **AUTOMATIC TRANSMISSIONS**

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

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) mandatory. 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 is prohibited in competition and can only be used to engage Reverse gear. All transmissions that require trans-brake activation for Reverse gear must use a positive-locking toggle switch. Momentary switch or button of any kind is prohibited. All positive-locking toggle switch and wiring must be easily accessible and identifiable for the Tech staff. 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.

## **BRAKES & SUSPENSION**

### **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 loc permitted on front wheels only. Any other electric, pneumatic, or hydraulic device in the system is prohibited.

### **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.

### **STEERING**

(NSS Classes) OEM steering mandatory.

(F/X Classes) OEM or aftermarket steering in stock location mandatory.

### **SUSPENSION**

**FRONT SUSPENSION:** Stock front suspension as factory-designed required. Aftermarket direct replacement suspension components including tubular A-arms permitted: However, overall design and function as factory produced must be retained.

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

### **WHEELIE BARS**

Wheelie bars permitted in FX classes and A/NSS. Wheelie Bars must not extend beyond rear Bumper.

### **CHASSIS**

All vehicles must have a chassis that meets the guidelines set by SFI for their respective speed and elapsed time. A valid NHRA serialized Chassis sticker is mandatory for any car running 9.99 (6.39 = 1/8 mile) or quicker, or 135mph or faster at a NHRA member track.

### **FRAME**

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

(FX Classes): Frame alteration permitted; full tube chassis prohibited.

### **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.

### **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.

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

### **TIRES**

TIRES (FX CLASSES, A/NSS, B/NSS, C/NSS): Street type or drag slick tires permitted.

Maximum rear tire designation of 10.5Wx33-inch permitted. The front tires are limited to 4.5-inch minimum tread width and minimum diameter of 26 inches tall. 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 10.5Wx31-inch permitted. The front tires are limited to 4.5-inch minimum tread width and minimum diameter of 26 inches tall. Tire tread may not extend outside fenders.

### **WHEELS**

Spindle-mount front wheels prohibited.

### **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 bare paneling).

FX CLASSES: Full removal of interior permitted.

### **BODY**

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

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

### **APPEARANCE**

All cars in competition must be painted or wrapped. Advertising graphics are permitted on the body. In order to be eligible for the NMCA official contingency program, all contingency sponsors' decals must be easily visible and located on the outside of the vehicle, 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 sponsors may appear on bodywork, front end and on windows. Failure to do so can result in the driver forfeiting all claimed contingencies for that particular event. The NMCA does require all entries to run the following decals:

1. NMCA Windshield Banner: Decal needs to be located on the top of the windshield or just above the windshield located on the body.
2. NMCA Drag Racing Series: Decals (2) must be located on each side of vehicle. Either on the side windows or decals can be located on the body right beside the side windows.
3. Class Sponsor: Decal must be located on the passenger's side lower portion of the windshield.
4. VP Racing Fuels: Official Fuel decals (2) required. Must be located on each side of vehicle. (In a contingency decal manner)
5. Class & Competition Numbers: Numbers must be easily visible/legible and located on the front, back, and both side windows.

### **SPOILERS, WINGS**

Aftermarket wings and/or spoilers prohibited.

### **FIREWALLS**

Stock firewall in stock location mandatory. Firewall may be relocated rearward, era-correct modifications permitted in FX classes. (Reference: Engine location\mounts, section 1.16)

### **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.

### **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.

(FX Classes): Not required.



**WINDSHIELDS/WINDOWS**

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

**BUMPERS:**

Complete stock-appearing bumpers required.

**FENDER SPLASH PANS**

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

(FX CLASSES): Not required.

**GRILLE**

A full-production grille is required for the body style used, era-correct modifications permitted. Covering in front of or behind the grille prohibited.

**WHEEL WELLS**

INNER WHEEL WELLS: Aftermarket wheel tubs permitted. Material used to add to the width of the inner wheel well may be steel or aluminum.

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

**RAM AIR**

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

**DOORS**

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

**ELECTRICAL****BATTERY:**

Battery may be relocated. Charging system optional.

**IGNITION**

Any battery powered ignition system permitted as specified in this section. Aftermarket electronic breakerless distributor system permitted. All ignition boxes must be listed on the NHRA ET approved ignition box list or operate with less functions and features than approved boxes. MSD Grid 7720 and/or MSD Controller 7730 Prohibited. Wiring harness must not be modified from manufacturer's installation instructions. The use of any programmable multi-point rev limiter and /or a rate-of-acceleration rpm limiter, either by themselves or integrated into the ignition system are prohibited. Traction

control prohibited. Engine rev limiters, top end only, and/or starting line with manual transmission only, permitted.

### **STARTER**

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

### **SUPPORT GROUPS**

Bracket racing aids such as optical sensors, delay boxes, stutter boxes, two-steps, and throttle stops prohibited. Manual or Electric RPM controlling devices 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.

### **ONBOARD DIAGNOSTICS\DATA RECORDERS**

Onboard diagnostics and data recorders used to monitor and record parameters such as a driveshaft speed, acceleration, nitrous timing, chassis strain, and suspension travel etc., prohibited. Digital Dash Display prohibited. Wide band oxygen sensors permitted. "Playback" tachometers permitted. Laptops prohibited in vehicle.

### **TOW VEHICLES**

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

### **STREET-LEGAL REQUIREMENTS**

Headlights and tail lights for year & make of body used mandatory: era-correct headlight modifications permitted... Single taillight required to be functional.

### **WEIGHT**

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

### **DRIVER**

The driver when in the vehicle, from the ready line until the vehicle is safely stopped on the return road, is required to have all safety restraint systems (including the helmet) on and be securely fastened in the vehicle at all times

### **CREDENTIALS**

A Valid state or government issued driver's license beyond a learner/s permit level mandatory for cars running 10.00 or slower.

A Valid NHRA competition license is mandatory for cars running 9.99 or quicker, at an NHRA Member Track. NHRA/IHRA competition license mandatory at an IHRA Member Track.

**Note:** It is ultimately the competitor's responsibility to familiarize themselves with the NMCA class requirements as well as all NHRA safety requirements. The competitor agrees they bear the ultimate responsibility when it comes to safety and how it complies with the NMRA and NHRA rule books. The competitor also agrees that no one else other than the competitor is in the best position to know about how their particular race car has been constructed and how to safely operate it.