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Version 2.3

NASA Spec Neon SRT®
Official National Rules
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1 Definition and Claim

NASA Spec Neon SRT™ (SRT) is an affordable racing series, primarily focused on road racing, and shall function as an advertising and marketing tool for the series sponsors, the independent sponsors of each team, as well as the official sanctioning body of the series. The trade name, "NASA Spec Neon SRT," and these rules are the property of the National Auto Sport Association, Incorporated ® located at P.O. Box 21555, Richmond, CA 94820; 510-232-NASA (6272).

The marks "Neon", "Chrysler", "Plymouth", "Daimler Chrysler", "Mopar", and "Dodge" are recognized as registered to the Daimler Chrysler Corporation with the United States Trademark and Patent Office.

2 Intent

The intent of these rules is to provide mandates to ensure that all vehicles are constructed and modified within clearly established limits, so as to ensure an even platform, in which a contest of driving skill may provide the most talented drivers with great rewards.

3 Purpose

The purpose of this series is to provide an avenue to promote sponsor brand awareness on a national scale. Additionally, this series should provide a stage to showcase driving talent, in hopes that the most talented drivers will advance to even higher-level professional series.

4 Format

Modifications, addition or removal of parts are not allowed, unless specified or approved in these rules. Additional modifications are not permitted. These rules are not intended as guidelines; rather they shall serve as the national set of rules, and must be strictly followed. Each NASA Region is responsible for ensuring that all competitors running in the corresponding regional championship, conform to these rules.

5 Eligible Manufacturers

Daimler Chrysler Corporation and its predecessors in interest is the only manufacturer of models that are legal for this series. However, other companies may manufacture some legal and/ or required parts and components for the series.

6 Eligible Models

2003-2005 Dodge Neon SRT-4 models are eligible for the SRT class. Updating and backdating within the allowed models and years is permitted. When updating or backdating, the entire assembly must be used. No interchange of parts between assemblies is permitted, and all parts of an assembly shall be as originally produced for that assembly. Additionally, it is not permitted to "create" a model or type of car by updating or backdating assemblies.

7 Sanctioning Body

NASA Spec Neon SRT™ is sanctioned by the National Auto Sport Association (NASA). All events are governed by these rules, applicable addendums, prima facie rules, as well as those found in the latest version of the NASA *Club Codes and Regulations* © (CCR). All decisions made by the series administration are final, except under certain conditions, as specified by the CCR.

8 **Safety**

8.1 General

All safety standards not specified herein must conform to the NASA Club Codes and Regulations (CCR). Where conflicts are found between the CCR and these rules, these rules must supercede the conflicting rules found in the CCR. However, in the interest of safety, any participant that determines a conflict exists, must immediately report it to the series administration, for clarification.

8.2 Class Identification Markings

All cars must carry class markings of "SRT" on both sides of the car in the form as required by the CCR.

9 **Measurements**

9.1 Specified Measurement

Whenever the manufacturer specifications or these rules do not specify a measurement, the common average measurement will be used. This common average measurement must be determined by either 1) calculating a mean average of at least three measurements from the corresponding parts found on other vehicles, or 2) the series technical administrator will make a determination based on any other reasonable method, providing that the data, system, or logic that was used be made known to the public. The second option is only permitted under circumstances where option number one becomes impractical, as determined by the series Race Director.

9.2 Tolerances

All published measurements infer a tolerance of +/- one-half (1/2) of the last specified decimal place. All rounding will be done to the nearest decimal place that is specified by the manufacture or these rules. In a case where a measurement falls exactly on the halfway mark, it must be rounded up or down in favor of the competitor. This section does not apply whenever the manufacturer specifications, or these rules, specify a tolerance.

10 **Weight**

10.1 Minimum - Vehicle

All minimum weight requirements must be met immediately following all qualifying sessions and races. Minimum weight for SRT vehicles shall be two thousand eight hundred fifty (2850) pounds including the driver.

10.2 Additional Weight - Ballast

Additional weight may be added to the vehicle providing that all of the following conditions are met:

10.2.1 Additional weight must serve no other purpose than to increase the weight of the vehicle. This additional weight shall be known as "ballast." A maximum of 100 pounds of ballast may be used.

10.2.2 Ballast must be made of solid metal, and must be installed securely. All ballast must be secured using at least one (1) 3/8-inch grade-5 bolt, two (2) 'fender washers', and a locking nut system for every fifteen (15) pounds of weight. Example: A seven (7) pound block requires at least one (1) bolt system as described herein. A thirty 30 pound block requires at least a two (2)-bolt system.

10.2.3 All pieces of ballast must be bolted within the passenger compartment or trunk interior.

11 Engine

11.1 General

All engines, internal components, and internal parts must have been offered for sale in a 2003-2005 Dodge Neon SRT4, sold by a dealer in the United States of America. All engines and their internal components must remain stock, except as provided by these rules, and within factory specified tolerances.

11.2 Balancing

Balancing and lightening of engine parts and engine components is not permitted. However, removal of the balance shaft drive chain is permitted.

11.3 Cooling System

Ethylene glycol-based anti-freeze is not permitted. Other additives, such as Redline Water Wetter, are permitted.

11.4 Radiator

Any radiator may be used, provided that it mounts in the stock location, without any modification of any part of the stock mounting location that is integral to the body. The replacement radiator must not be larger than the stock radiator in length or width, but depth is unrestricted. Shrouding or "boxing in" the radiator is permitted to focus airflow through the radiator core.

11.5 Thermostat

Thermostats are optional and unrestricted, providing that they serve no other function than to control coolant flow from the engine to the radiator.

11.6 Fuel Systems

- a) Fuel cells are allowed. Consult with CCR for approved models and installation.
- b) Any fuel lines, pumps, rails, or regulators are permitted.
- c) Adjustable fuel pressure regulators may be used.
- d) Injectors may be upgraded to Mopar Stage 2 specs but only if used in conjunction with an entire Mopar Performance Stage 2 kit.
- e) The use of Nitrous Oxide is prohibited.

11.7 Oil System

- a) Oil coolers and remote oil filters may be used.
- b) Valve covers may be modified to accommodate a breather and/or filler.
- c) A pressure accumulator such as an Accusump may be used. Dry sump oiling systems are prohibited.
- d) Oil pans and all related items such as baffles, pickup, pump and scrapers are unrestricted.

11.8 Electronics

The stock 2003-2005 SRT4 ECU may be substituted with a retail production Mopar Performance ECU from either the Mopar Stage 1 or Stage 2 Performance Upgrade kit, provided that no changes are made to the unit aside from the location of the ECU. No other computers, controllers, or stand-alone systems may be added. Non-electronically programmable MAP sensor voltage "clamps" designed to alter the sensor input from the MAP sensor to the ECU are permitted (manually adjustable potentiometers are permitted). Devices designed to alter other sensor inputs to the ECU are prohibited.

11.9 Mopar Performance Upgrade Kits

Any of the following Mopar Performance upgrade kits may be used: Stage 1, Stage 2, or Stage 2 with intercooler mister and race gas switch ("with toys"). The entire kit must be used with no modifications, except for the intercooler mister, which may be disconnected or removed.

11.10 Intake

Any air intake system may be used prior to the turbo inlet. No changes may be made to the stock turbo, throttle body or intercooler.

11.11 Exhaust

Any exhaust system may be used after the exhaust manifold. Alteration or porting of the exhaust manifold is prohibited.

11.12 Turbocharger

The stock turbocharger may not be upgraded, altered, or replaced with an aftermarket turbocharger. Boost controllers (both manual and electronic), or other similar devices, or alterations to vacuum lines that alter the turbocharger's boost levels are prohibited. The only legal intercooler sprayer is the one that is used in conjunction with the entire Mopar Stage 2 with Turbo Toys upgrade kit. Other water, CO₂, and Nitrous Oxide sprayers are prohibited.

11.13 Battery

Any type of lead/acid or drycell battery may be used, and may be relocated as long as it is in compliance with NASA CCR's(18.8).

12 Transmission / Differential

12.1 Clutch

Any clutch disc and clutch cover (pressure plate) may be used, providing they mount on an unmodified flywheel. Aftermarket flywheels may be used, but they must be of OEM diameter.

12.2 Differential

Any limited slip or welded differential is permitted.

12.3 Transmission

Any OEM Neon SRT4 transmission is permitted. Transmissions may not be modified internally or externally from their stock configuration and build.

12.4 Final Drive

Allowed final drive ratios shall be either 3.55:1 or 3.94:1.

13 Suspension Components

No other suspension modifications other than the modifications outlined below are permitted.

13.1 Strut/Knuckle/Hub Assembly

Struts shall be of a single tube OEM type or threaded body "coilover conversion" with unlimited valving. However, gas-charged shocks with aluminum body construction, removable body caps, a replacement shaft, or adjustment of any nature (preload or bleed) through the shaft, and, any shocks with an external reservoir or more than two ranges of adjustment, are not permitted.

13.2 Bushings

Urethane or Delrin bushings are allowed, but heim joints and spherical bearings are not allowed except as allowed elsewhere in the rules.

13.3 Springs

Springs are unlimited in terms of rate, but configuration must be of a coilover or stock type.

13.4 Alignment

Wheel alignment is unrestricted.

13.5 Anti-Roll Bars

Anti-roll bars (sway bars) may be removed or changed to any aftermarket type. Heim joints and spherical bearings may be used on the rear bar.

13.6 Strut Tower Bars

Front and rear strut tower bars may be added. They must be held by fasteners (not welded), and shall not contact or be attached to any point other than the top of the strut tower and may not form part of the rollcage.

13.7. Rear Control Arms

Rear control arms may be replaced for the purposes of increased strength and improvement in adjustability of rear toe alignment. Metallic attachment joints may be used in place of the stock rubber bushings. Altered control arm length that results in increased track width or alteration of suspension geometry is not permitted.

13.8 Rear Trailing Arms

Rear trailing arms may be replaced for the purpose of increased strength of the arm or the bushing material that is a permanent fixture on the OEM rear trailing arms. Length must remain the same as OEM

14 Steering

Manual or power steering may be used. Power steering rack may be converted to manual. Steering lock may be removed.

15 Wheel Assembly

15.1 Rims

Any seventeen (17) inch rim, with a maximum width of eight (8) inches is allowed. All four (4) rims must dimensionally match.

15.2 Tires

All tires must be DOT approved, and all four (4) tires must be the same size specification. The speed rating must be equal to, or greater than, the speed potential of the vehicle. The fender must cover that part of the tire that normally contacts the road when measured from a vertical drop from the top fender edge through the centerline of the wheel. Maximum tire width is 235mm.

16 Brake System

16.1 Brake Pads

Brake pads are unrestricted.

16.2 Brake Lines

Steel braided brake lines may be used.

16.3 Backing Plates

Disc brake backing plates may be removed.

16.4 Emergency Brake

The emergency brake lever and/or cables and associated parts may be removed.

16.5 Brake Ducts

Brake ducting is permitted provided that such ducting performs no other purpose than providing cool air to the brakes.

16.6 Calipers

Calipers may be replaced with up to four piston systems. Maximum rotor diameter shall be 13.5 inches.

16.7 Anti-Lock Brakes

Factory OEM anti-lock braking systems are allowed in SRT.

16.8 Proportioning Valves

Brake proportioning devices are allowed.

17 Appearance

17.1 Exterior

17.1.1 Aftermarket splitters, air dams, wings, and spoilers are permitted. Splitters may extend up to 4" in front of the vehicle, and can be as low to the ground as possible.

17.1.2 Fenders and wheel openings must remain unmodified, except that rolling or flattening of the inner fender lip for tire clearance is permitted.

17.1.3 Hood and inner fender plastic trim are optional and may be removed.

17.1.4 Any mirrors may be used inside the passenger compartment of the vehicle. Stock outside mirrors must be used.

17.1.5 Any paint scheme / colors may be applied.

17.1.6 Body molding, antennas, license plates, license plate frames, license plate lights, and insignias and emblems other than "Dodge" and "SRT-4," may be removed.

17.1.7 Windshield clips and rear window straps are permitted and recommended. Rear door windows may be removed and replaced with fixed Lexan equivalents. Front door windows may be removed. The front windshield and rear window factory glass must be retained.

17.1.8 Hood clips are permitted. Stock hood latches may be disabled or removed.

17.1.9 Hood may be replaced with a lightweight replacement

17.1.10 The front bumper and bumper support may be modified or replaced to provide additional airflow to the radiator. The front fascia and "nose pits" should remain intact without modification. Screen mesh can be added to or replace the plastic grill meshwork, and inside of the "nose pits" to prevent damage to the radiator from debris.

17.2 Interior

17.2.1 The driver's seat must be replaced with a seat suitable for competition, including a racing-type bucket seat. Factory seat tracks may be modified, reinforced or removed to facilitate replacement mountings provided they perform no other function. All driver seats must conform to the CCR.

17.2.2 Gauges may be added, replaced, or removed. They may be installed in the original instrument(s) location using a mounting plate(s) or any other location using a secure method of attachment. Other than modifications made to mount instruments and provide for roll cage installation, the remainder of the dash "board" and instrument panel must remain intact.

17.2.3 Any steering wheel and attachments may be used except wood rimmed type steering wheels.

17.2.4 Any shift knob and shifter assembly (including shift linkage, shifter handle, and shifter base) may be used.

17.2.5 The air-conditioning system, which is composed of the compressor, dryer, and lines may be removed. Modification or removal of the heater core and blower fan assembly is also permitted. Replacement pulley and belts are allowed, but only Mopar PVO part #'s # 04668588AA and #04668444AA/AB/AC are allowed.

17.2.6 The carpet, center console, cargo bins, driver's seat belt, radio system, headliner, dome lights, rear deck cover, and grab handles may be removed. The driver's side floor mat **must** be removed.

17.2.7 All insulating material may be removed from the interior.

17.2.8 Other than to provide for the installation of required safety equipment or other authorized modifications, no other driver/passenger compartment alterations or gutting is permitted.

17.2.9 Removal or substitution of driver compartment panels, including door panels, is permitted.

17.2.10 Any removable covers used to cover spare tires, tools, bins, etc. may be removed along with attaching hardware and brackets.

17.2.11 Carpets, mats and their insulating or attaching materials may be removed from the floor and recesses of the cargo/spare tire area.

17.2.12 Ducting may be added to provide fresh air to the driver/passenger compartment, providing that no modifications of windows and body structure are made to accommodate this addition.

17.2.13 The passenger seats, mounting hardware, and seat belts may be removed.

17.2.14 Airbags must be disabled or removed for competition but can be reinstalled for street use.

17.2.15 All four doors may be gutted; however the front door safety bars may only be removed if NASCAR style door bars are incorporated into the rollcage.