**ER 12/06/2024 v1.3**

**MopowerMania – Summit Motorsports Park**

**“HEMI” Super Stock Class**

The class is open to all vehicles originally intended for Hemi Super Stock Competition - Clone cars are acceptable. The following vehicles are the only eligible vehicles to compete in the Class:

1968 Dart and Barracuda A-Body 2 door

1963-65 Dodge and Plymouth B-Body 2-door

1963-65 Dodge and Plymouth B-Body wagon

1966-67 Coronet and Belvedere 2-door

1966-67 Coronet and Belvedere wagon

1968-71 Dodge and Plymouth B-Body 2-door

1970-71 Challenger and Barracuda E-Body

Automatic and manual transmission cars will compete in the same class.

The race will be run using a qualifying ladder on a .500 FULL TREE, All Run, Dial-In Format, Handicap / Break-out, with TruSTART.

**Qualifying:** The class will be qualiﬁed by positive reaction time in all qualifying sessions. Positive reaction time (r/t) closest to “.000” based on a Pro .500 Tree. “.000” is considered perfect. Any negative r/t (-.001, -1.231, etc.) will be placed at the bottom of the qualifying ladder, the more negative the r/t is, the farther down the ladder the run will be placed. For cases in which identical reaction times are made, qualifying position will be based on a whomever ran first: the ﬁrst occurring r/t will be placed #1, the second occurrence of said r/t will be placed #2, and so on. The race will be run on an individual dial in and the dial in can be changed between rounds and must be displayed on all four sides of vehicle. Lane choice for eliminations will be best reaction time from previous round or as agreed by the paired participants.

**Safety:**

**Safety:** All cars must pass NHRA safety inspection for their given speed / ET.

**Helmet:** For all 10.00 and slower cars, either an open-face or a full face Snell: M2015, M2020, SA2015, SA2020, FIA: 8860-2010, 8860-2015 or 8860-2018 helmet mandatory; shield permitted (goggles prohibited). For all 9.99 and quicker cars, a full-face Snell M2010, M2015, M2020, SA2010, SA2015 or SA2020 helmet mandatory; shield permitted (goggles prohibited). See NHRA General Regulations 10:7.

**Protective Equipment** See NHRA General Regulations 10:10.

**Parachute** Mandatory on any car that runs 150 mph or faster. See NHRA General Regulations 4:8.

**Ballast:** Removable ballast limited to 100 pounds. Weight must be installed in acceptable weight box, installed in trunk (or behind driver for station wagons) and be attached to the frame or cross member by at least two ½” bolts. Weight may not be attached to roll bar or cage.

**Body:**

**Body:** Alterations or customizing prohibited. Fiberglass or other lightweight body panels are allowed for front fenders, bumpers, and hood. No air dams or non-OEM spoilers allowed.

**Fender Splash Pans:** Full inner panels are required but may be trimmed for header clearance.

**Firewall:** Firewall must be original and in stock location.

**Grille:** Must be full production for make, model and year claimed. Covering in front or behind grille prohibited. Vehicle must retain stock appearing head lamps, tail lamps and turn signals.

**Hood/Scoop:** Hood required in all classes. Hood may be modified to clear legal intake manifold with addition of a Scoop. Scoop must be same as original equipment type for body style used. 63-65 B-body cars may run the 64-65 HEMI scoop,1966-67 B-Body cars may run 1967 B-Body HEMI scoop, 68 A Body must run the 68 A Body HEMI Scoop, 68-71 B-Bodied cars may run Six Pack or HEMI scoop and 1970-71 Challenger E-Body may run T/A, Shaker scoop, 1970-71 Barracuda E-Body may run AAR, Shaker scoop.

**Interior:** Full upholstered and carpeted interior must be retained. Upholstered aftermarket front bucket type seats permitted (two required). Rear seat may be removed when roll bar/cage is installed, but area must be upholstered of carpet leaving no bare panels. Full dashboard must remain with aftermarket gauges allowed.

**Windows:** Windshield and windows must be of safety glass, Lexan, Plexiglas, or other shatter-proof material. Windows not required to be operative.

**Wheel Tubs:** Wheel tubs of any size are allowed if legal wheels and tires are positioned in stock location relative to exterior body lines.

**Chassis**

**Chassis:** Stock chassis is required. Sub frames may be joined. Rear frame may be moved in or reconstructed for rear tire and wheel tub clearance. Roll cage required in all vehicles. Vehicles running 9.99 e.t. or quicker must have current SFI chassis certification sticker.

**Brakes:** Brakes required on all four wheels. Aftermarket units allowed. Line-locks permitted.

**Steering:** Stock steering required unless permitted under NHRA Super Stock Rules.

**Suspension:** Stock front suspension required. (Unless permitted under NHRA) After Market Tubular K-Frames Permitted, Torsion Bars must be retained. Front suspension limiters permitted. Sway bar optional. Solid bushings in rear suspension allowed. Leaf springs may be moved inboard for tire clearance. Ladder bars or four-link rear suspensions allowed. Wheelie bars required on all HEMI cars 10.00 or faster.

**Tires:** Rear tire (new) must not exceed 14.5 inches wide by 33 inches diameter; Tire tread may not be outside fender. Maximum clearance between sidewall and body 3 inches. See NHRA General Regulations 5:1.

**Drivetrain**

**Automatic Transmission:** Any model transmission with torque converter allowed. Must have 3 forward gears, any shifter allowed. Transmission brake allowed.

**Manual Transmission:** Aftermarket 4-speed transmission and manual shifter allowed. No “clutchless” or planetary Lenco-type transmission allowed. Clutch must be activated by normal foot motion without the aid of any electronic or pneumatic device.

**Rear End:** Any rear end allowed, provided it was original equipment in an American production car. Aftermarket housings and axles, along with any gear ratio, are allowed, Driveshaft Loop: Required.

**Electrical**

**Electrical:** Battery may be relocated. Electrically driven fans and water pumps permitted. Charging system not required.

**Electronics:** Limited electronics permitted. See The current NHRA “General Regulations 8:3.”. Delay Boxes/Devices Prohibited. Data Recorders Permitted as per NHRA General Regulations 9.2

**Engine:**

**Block:** Engine block restricted to Chrysler “GEN-2” 426 cubic inch Hemi design, must be original assembly line block or aftermarket replacement block. Aluminum blocks allowed. Any displacement and internal modifications are allowed.

**Carburetion:** Any two four-barrel carburetors accepted. Holley 4150 Style or Carter/Edelbrock AFB/AVS style only –(No Dominator 4500 style carburetors permitted) Carburetors must outwardly appear stock with the exception of the deletion of the choke valve, choke shaft and linkage.

**Cylinder Heads:** Aluminum aftermarket heads allowed, must retain original external overall appearance. Any internal modifications allowed. Intake Manifold: Any dual four-barrel intake manifold permitted provided it fits under stock style hood with chosen hood scoop. Sheet Metal Intakes Permitted

**Fuel:** Only gasoline fuel is permitted. Aftermarket fuel cells, electric fuel pumps and regulators allowed. No nitrous oxide, No e-85 or Methanol permitted.

**Ignition:** Any aftermarket ignition systems, wiring and electronic conversion kits are allowed. See The current NHRA “General Regulations 8:3” for Super Stock electronics restrictions.

**Oiling System:** Dry sump systems not allowed.

**Note:** It is ultimately the competitor's responsibility to familiarize themselves with the Summit Motorsports Park NSS and Hemi SS class requirements, as well as the NHRA safety requirements. The competitor also agrees they bear the ultimate responsibility when it comes to safety and how their car complies with class rules. The competitor also agrees that no one else other than the competitor is in the best position to know how their particular race car has been constructed and how to safely operate it.