

## — PRO STOCK —



### > Class Designation

PS preceded by car number

Designed for naturally aspirated 4-cylinder and/or 2-rotor full bodied vehicles with no power adders.

### > Minimum Weights

#### FWD 4-cylinder - Race Gas, E85

Up to 2.4 liter	(Up to 146.46 cid)	1,600 pounds
2.41 to 2.6 liter	(146.46 cid to 158.66 cid)	1,650 pounds
2.6 liter maximum displacement		

#### FWD 4-cylinder - Methanol

Up to 2.4 liter	(Up to 146.46 cid)	1,600 pounds
2.41 to 2.6 liter	(146.46 cid to 158.66 cid)	1,725 pounds
2.6 liter maximum displacement		

#### RWD 4-cylinder

Up to 2.4 liter	(Up to 146.46 cid)	1,850 pounds
2.41 to 2.6 liter	(146.51 cid to 158.50 cid)	1,875 pounds
2.6 liter maximum displacement		

#### RWD 2-Rotor

1,850 pounds

#### VW (air-cooled)

2.6 liter maximum displacement	1,600 pounds
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Sequential, clutchless, V-gate or non-OEM aftermarket transmission, add 100 pounds, all cars.

## 1:Engine

### ENGINE:

The engine must be from the same manufacturer as the vehicle. Engines are restricted to 4-cylinder and 2-rotor engines only. Vacuum pumps and dry sumps are permitted.

### ENGINE SET BACK:

The engine may be moved forward or backward for installation purpose. Solid or custom fabricated motor mounts are permitted. Modification to the vehicle's firewall is permitted using .024-inch steel or .032-inch aluminum, extending side-to-side of the body and from the top of the engine compartment to the floor.

### EXHAUST SYSTEM:

Open exhaust permitted.

### FUEL:

Only methanol, BOTI accepted ethanol or BOTI accepted racing gasoline permitted. Please refer to our approved fuels list.

### FUEL SYSTEM:

An NHRA approved aftermarket fuel cell is permitted. It must have a pressure cap, be vented outside the vehicle, and be grounded to the chassis. A mechanical or electric fuel pump is permitted. The electric fuel pump must shut off with master cut-off switch. The fuel cell, lines and pump(s) must be mounted outside the driver's compartment and within the confines of the frame and/or steel body.

### FUEL INJECTION:

Aftermarket fuel injection and fuel injectors are permitted. A maximum of one additional injector per intake runner is allowed. Individual throttle bodies are permitted.

### LIQUID OVERFLOW:

An engine coolant overflow container is mandatory. Must be mounted securely. The use of wire ties or duct tape to secure the container is prohibited. Overflow container must have a one (1) quart capacity minimum.

### SUPERCHARGER, TURBOCHARGER:

Prohibited.

### NITROUS OXIDE:

Prohibited.

### THROTTLE:

The vehicle's throttle must be controlled and operated by the driver's foot. Electronic, hydraulic, pneumatic or any other device may not

affect the throttle operation.

## **2: Drivetrain**

### **CLUTCH:**

The use of adjustable "Pro Stock" style clutches is prohibited. Clutch must be manually operated by the driver's foot. Two discs are permitted.

### **DRIVELINE:**

Rear end swaps are permitted but must use original mounting points and suspension. Vehicles running 10.99 or quicker with independent rear suspension (IRS) using both upper and lower control arms may retain assembly regardless of weight or e.t. but must have axle retention device on each axle in case of breakage.

### **TRANSMISSION, AUTOMATIC:**

Non OEM automatic transmissions (Honda engine with a Chevy transmission) are permitted but will be assessed a weight penalty. All shifting must be performed by the driver. Air shifters, or any shifter activated by a button on the steering wheel is prohibited. Transmission brakes are permitted.

### **TRANSMISSION, MANUAL:**

Aftermarket or non-original OEM transmission are permitted but must allow downshifting. All shifting must be performed by the driver. Air shifters, or any shifter activated by a button on the steering wheel is prohibited.

*Clutchless transmissions are permitted, but are subject to a 100 pound weight penalty.*

## **3: Brakes & Suspension**

### **BRAKES:**

All cars are required to have four-wheel hydraulic brakes.

### **STEERING:**

Aftermarket rack and pinion steering and steering wheels are permitted. "Quick Release" hubs are permitted and must be NHRA approved. The steering system must be free from any defects and be secure.

### **SUSPENSION:**

There must be a minimum of one hydraulic shock absorber per wheel. Traction devices are permitted provided stock mounting points are retained.

### **SUSPENSION (FRONT), FWD:**

Upper mounting point for strut assemblies must be in the factory location. Strut towers that have been "notched" for tire clearance must be refinished with minimum .024-inch steel. Full wheel tubs are prohibited. Adjustable caster/camber pillowball mounts are permitted. Fabricated lower control arms are permitted, but must use original mounting locations. Traction devices are permitted but must be "bolt-on." Final decision is at the sole discretion of the Battle of the Imports.

### **SUSPENSION (FRONT), RWD:**

Aftermarket or fabricated lower control arms are permitted but must use original mounting points.

### **SUSPENSION (REAR):**

FWD with factory IRS may replace IRS with straight axle suspension.

RWD vehicles must use original upper mounting points and suspension. Rear end swaps are permitted but must use OEM mounting points.

### **WHEELIE BARS:**

Permitted. Wheelie-bar may be adjustable but must be fixed during run. Wheelie-bar wheels must spin free from the point where your crew has completed their vehicle check (post burn-out) and the pre stage beam. Any violation of this rule may result in your run being disqualified. Maximum wheelie bar length is 65 inches from rear bumper.

## **4: Chassis & Frame**

### **BALLAST:**

Ballast is permitted if the vehicle does not meet the weight requirement or, if the driver feels the need to add weight. The ballast must be attached to the vehicle's structure using minimum Grade-8 mounting hardware. The ballast may not extend in front of or behind the rear of the vehicle's body or above the rear tires.

### **CHASSIS (ALL CARS):**

FWD must retain FWD configuration; rear drive conversions are prohibited. Roll bar mandatory for all cars. Driver position may not be relocated to center position.

### **CHASSIS, FWD:**

Engine must be located in the OEM location and configuration for body use. Conversion from transverse to longitudinal engine configuration is prohibited. Full tube chassis is permitted.

### **CHASSIS, RWD:**

Engine relocation is prohibited. OEM chassis with floorpan and fire-

wall is mandatory with the exception of 6-square feet for transmission removal. Back half-chassis is considered from the B-post or main roll cage hoop, whichever is farther rearward, to rear of the car. Back half-chassis and/or non-OEM suspension mounting points is prohibited.

#### **GROUND CLEARANCE:**

Minimum 3-inches from front of car, including the vehicle's tow hook, to 12-inches behind the centerline of the front axle, 2-inches for remainder of car except the oil pan and the exhaust headers.

#### **PARACHUTE:**

Mandatory on vehicles faster than 150 MPH.

#### **ROLL BAR, ROLL CAGE:**

Roll bar mandatory in all car quicker than 11.49-seconds. Roll cage mandatory in all cars running quicker than 10.99 seconds or faster than 135 mph. Vehicles with unaltered firewall, floor, and body (from firewall rearward) running between 10.00 and 10.99, roll bar permitted in place of roll cage.

#### **WHEEL BASE:**

The vehicle's wheel base may be modified plus or minus 1-inch. Maximum wheelbase variation from left to right is 1-inch.

### **5: Wheels & Tires**

#### **WHEELS, WHEEL STUDS:**

Must be automotive-type wheel with a minimum diameter of 13-inches. Wheel stud must extend further than the open ended lug nut a distance at least equal to the diameter of the stud.

#### **TIRES:**

Vehicle's must use either DOT or racing slicks. Maximum drive tire width is 10.5-inches with a maximum roll out of 88.5-inches. Non drive tires may be a minimum of 3-inches.

### **6: Interior**

#### **INTERIOR:**

The vehicle's headliner, dashboard and upholstery are optional. However, the vehicle's interior must be finished with tin work. Vehicle must be equipped with a minimum of one seat for the driver.

#### **WINDOW NET:**

An NHRA approved ribbon type window net is mandatory on cars requiring a full roll cage.

### **7: Body**

#### **BODY:**

Pickups and SUV's are prohibited. Lightweight body panels are permitted. RWD required to retain OEM shell. One-piece front ends are permitted. Fiberglass or carbon fiber body components are allowed provided they are duplicates of the stock components being replaced. Body must retain a finished appearance. Hood scoops are permitted.

#### **DOORS:**

Doors must be functional from both the inside and outside. Exact duplicates in either fiberglass or carbon fiber are permitted.

#### **BUMPERS:**

Removal of the front and rear bumper is prohibited. Either stock, fiberglass or carbon fiber duplicates may replace the front and/or the rear. They are allowed to be molded to the body but must be the original size and shape.

#### **FIREWALL:**

OEM firewall required on RWD. Replacement firewall permitted on FWD. Firewall must be made out of either .024-inch steel or .032-inch aluminum and must extend side-to-side of the vehicle's body and from the top of the engine compartment to the bottom of the floor. All holes must be cover with aluminum or steel.

#### **FLOOR, FWD:**

Modification to the vehicle's floor from behind the B-post or roll cage main hoop attachment points (whichever is farther rearward) to rear of car is permitted provided the material used is .032-inch aluminum or .024-inch steel.

#### **FLOOR, RWD:**

OEM floorpan, front to rear, minus 6-square feet for transmission removal, permitted.

#### **HOOD, HOOD SCOOP:**

Fiberglass or carbon fiber hood replacement is permitted. Lift-off hood and hood scoops are permitted.

#### **SPOILERS:**

Roof mounted spoilers are prohibited. Spill plates may not attach to the quarter panel and are restricted to a height of 6-inches. Splitters on the front bumper are permitted but are restricted to height of 1-inch. No adjustments or movements can be made during a run.

#### **STREET EQUIPMENT:**

At least one tail light must be operational for night time racing. Head-

lights and taillights may be air brushed or painted on; they do not have to be operational.

### **WINDOWS, WINDSHIELDS:**

Windshields must be free from any cracks and may be replaced with Lexan or other shatterproof material with a minimum thickness of 1/8-inch. Windows must be in the closed position and do not have to be operational. Competition numbers are required to be placed on window.

## **8:Electrical**

### **BATTERY:**

All batteries must be securely mounted outside the driver's compartment; unless sealed in a .024-inch steel or .032-inch aluminum box or an NHRA or IHRA approved poly box and have a master cutoff switch.

### **MASTER CUTOFF:**

Mandatory on any car running 9.99 or quicker, 135 MPH or faster, or, if the battery is relocated. The cutoff switch must be connected in-line to the positive side of the electrical system. Once the master cutoff switch is turned "Off", it must shut off all electrical systems including the engine. It must be located at the rear most part of the vehicle and be clearly labeled with the word "OFF".

### **TAIL LIGHTS:**

Must have at least one working tail light for night time operation.

### **IGNITION:**

Engine rev-limiters, either a 2-step or 3-step, is permitted. Ignition spark amplifiers with built in rev-limiters are permitted. Altering the factory computer (ECU) maps to increase or remove the factory pre-set rev-limit is also permitted. Rev-limiters controlled by aftermarket engine management systems are permitted.

## **9:Support**

### **ENGINE MANAGEMENT SYSTEM:**

Aftermarket stand alone engine management systems that replace the functions of the factory ECU is permitted. "Piggy back" systems (plug-ins module to the factory ECU) are also permitted.

### **DATA RECORDER:**

Permitted to record functions of a vehicle only. It may not be used to activate any functions of the vehicle.

### **FIRE EXTINGUISHER SYSTEM:**

Minimum 5 pound, NHRA-accepted fire extinguishing system permit-

ted. System must be divided with one nozzle on driver's side and one nozzle on engine.

### **TOW VEHICLES:**

Permitted. Must have the driver's competition number displayed on the tow rig.

### **WARM UP:**

Only permitted in the designated area only. At anytime, testing the vehicle is prohibited in all classes, especially in the pit area. It is only permitted in the starting line burnout area or unless, if it's on jack stands.

## **10:Driver**

### **CREDENTIALS:**

Valid license required if vehicle is quicker than 9.99-seconds. NHRA licenses are accepted at both NHRA and IHRA member tracks. IHRA licenses are acceptable at IHRA tracks.

### **DRIVER RESTRAINT SYSTEM:**

Mandatory. Must be a 5-point, including crotch strap, three-inch wide driver restraint system meeting SFI Spec 16.1. The restraint system must be updated every two years from date of manufacture.

### **HELMET:**

Mandatory. The helmet must meet SFI Spec 31.1A, 31.2A, 31.1/2005, 41.1A, 41.2A, 41.1/2005 or SNELL K98, 2000 or 2005. The certification decal must be unaltered and remain inside the helmet for competition approval.

### **NECK COLLAR:**

Mandatory on driver of any car running 9.99 seconds or quicker or 135 MPH or faster.

### **PROTECTIVE CLOTHING:**

Fire jacket and pants meeting SFI Spec 3.2A/15 and gloves and boots or shoes meeting SFI Spec 3.2A/5 are mandatory for any car using ethanol or methanol as a fuel.

**All others:** jacket meeting SFI 3.2A/1 mandatory.