



2006

944-SPEC (SP1) Class Rules

Official PCA National Rules

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1 General Rules

1.1 Parts

All parts must be factory stock from one of the eligible year models, except where otherwise noted. Stock parts may be updated or backdated, except where otherwise noted.

1.2 Allowed Modifications

Modifications which improve aesthetics, access to systems, safety or reliability will be allowed provided they offer no performance advantage whatsoever. Any such modification not specifically allowed elsewhere in these rules is not permitted.

1.3 Eligible Models

1983-1988 Porsche 944, Normally Aspirated, 2479 cc engine
1987-1988 Porsche 924S, 2479 cc engine

1.4 Class Markings and Numbers

Shall comply with the General Rules and shall be designated as "SP1"

2 Safety

2.1 Safety

Safety and General Rules shall comply with the minimum standards as set forth for the Prepared Classes.

3 Minimum Weight

3.1 Vehicle Weight

The minimum weight including driver is 2,600 pounds. This weight limit may be met by removal of any component not specifically disallowed or which would compromise the safety of the car.

3.2 Additional Weight – Ballast

Any ballast to meet weight must be bolted through the floor pan on the passenger side of the cockpit, no further rearward than the front holes of the front seat mounting seat bolts.

4 Engine

4.1 General

All engines, components, and parts must have been offered for sale in a Porsche 944 from model years 1983-1988 with 2.5 liter eight-valve engines only, 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. Cars may be updated and backdated with parts from the Porsche 944 and 924S from model years 1983-1988 with 2.5-liter eight-valve engines only.

4.2 Balancing

Balancing and lightening of engine parts and engine components is not allowed.

4.3 Cooling System

A stock radiator that uses the stock mounting points and mounts in the stock location must be used. Heater core bypass or block off systems is allowed. No additional water cooling devices are allowed. Radiator fans may be direct wired with switches. Any thermostat is allowed

4.4 Heads

Cylinder heads may be shaved for trueness. Maximum compression ratio allowed for all cars is 10.5:1 for all eligible model years.

4.5 Oil Cooling

Any external oil cooler may be added or used to replace the factory oil cooler.

4.6 Throttle Body, Intake Manifold and Air Flow Meter

The throttle body and intake manifold must remain stock with no modifications. The air flow meter must be unmodified but can be adjusted (tuned). Any air filter or filtration system may be used. The throttle cam may be modified or replaced.

4.7 Ignition System

Any spark plug and spark plug wires may be used. Any initial ignition timing may be used.

4.8 Computer Engine Management System

Only the stock computer engine management system is allowed. No other engine management system may be added. Aftermarket tuner chips may be used.

4.9 Exhaust System

The exhaust system is free provided it meets any sound requirements specified at events.

5 Transmission / Differential

5.1 Clutch

Any clutch disc and pressure plate may be used, providing they mount on an unmodified flywheel. Flywheels may not be lightened.

5.2 Differential

The ring and pinion must remain stock, which is 3.889 final drive ratio. Welded differentials may be used. Any limited slip differential may be used.

5.3 Gearing

First through fourth gear must remain stock for the Porsche 1983-1988 944 naturally aspirated and 924S models. Updating to the stock shorter fifth gear from the 924S and the 1988 944 is allowed.

6 Suspension/Wheels/Tires

6.1 Components

All suspension components must be stock factory parts and mounted in unmodified original factory mounting locations. Updating or backdating of suspension components (e.g., control arms, trailing arms, hubs, spindles, or factory spacers) from eligible model years is allowed provided the maximum track width is not exceeded.

6.2 Track Width

The maximum track width for all cars shall not exceed the stock 944 width of 58.1 inches in the front and 57.1 inches in the rear. The 924S models may increase stock width by use of updating suspension components or adding spacers provided tires do not touch the fenders or springs at any point in the suspension travel.

6.3 Shocks

Remote reservoir shocks are not permitted. Threaded body shocks similar to the factory M030 package are allowed on the front only. Shocks must be either the original factory installed shocks or the following models and part numbers in an unmodified, off the shelf state. Custom valving is not allowed. Shock tower braces are allowed but must attach to the chassis with bolts only. No

modification of the shock tower is allowed. Camber plates are allowed provided they bolt to the chassis using existing strut mounting holes and make no modification to the shock tower. Any camber setting is allowed

Koni

Front: 8641-1038 Sport, 8641-1414 Sport

Rear: 26-1209 Sport, 8040-1035 Sport

Bilstein

Front P30-0104, AK1110, AK1111

Rear: B36-0161, B36-2052

6.4 Springs

Any rate spring is permissible in the factory original location only. Coil-over systems are not allowed in the rear. Any rear torsion bar size up to 30mm is allowed.

6.5 Sway Bars

Any sway bars are permissible as long as they are not cockpit adjustable.

6.6 Ride Height

Any ride height is allowed, providing that no metal part of the vehicle touches the ground so as to be hazardous in the opinion of the PCA National Scrutineers. **ADVISORY:** Excessive lowering of ride height may cause premature failure of ball joints especially in aluminum control arms.

6.7 Suspension bushings

All bushings must be non-metallic.

6.8 Steering

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

6.9 Wheels

Only 15 x 7 inch ATS (Cookie Cutter) or Phone Dial stock wheels with offsets of 23.3 or 52.3 mm are allowed. Wheel spacers are allowed as long as the maximum track width is not exceeded.

6.10 Tires

The required spec tire is: 225/50/15 Toyo Proxes RA-1.

6.11 Steel A-Arms

Stock steel A-arms may be box welded to increase strength.

7 Brake System

The brake system must remain stock including calipers, rotors and cylinders except as noted. ABS is NOT allowed on any model year, even if installed by the factory.

7.1 Allowed Modifications

Any brake pads are allowed. Steel braided brake lines are allowed. Disc brake backing plates may be removed. The parking brake lever and/or cables and associated parts may be removed. Any brake fluid is allowed. Brake cooling systems are allowed provided they use only air for cooling. Air may be vented through the fog light area in the front air dam for brake cooling. Cross drilling or gas slotting of the rotors is allowed.

8 Bodywork

8.1 No air dams, wings or spoilers are allowed other than stock components. Modification of the

front air dam to enhance cooling is permitted. The 944 front valance may be replaced with a fiberglass unit provided it is an exact replica.

8.2 Fenders and wheel openings shall remain unmodified. The front fender liners may be removed. Front and rear wheel fender openings may be rolled inward to maximize wheel clearance.
ADVISORY: This may be necessary for the 924S at the maximum track width.

8.3 Stock exterior mirrors mounted in the stock locations are required.

8.4 Body molding, antennas, license plates, license plate frames, license plate lights, and insignias and emblems may be removed.

9 **Interior**

9.1 Factory dashboard instrument panels must remain intact. Additional gauges may be added. In cars with early dashboards, swapping of the tachometer and speedometer, or substitution of an aftermarket tachometer in the factory location is allowed.

9.2 Steering wheels and shift knobs are free. Short shifter systems are not allowed.

9.3 The air conditioning system may be removed. The heater core and blower fan assembly may be modified or removed.

9.4 All interior trim, insulation and seats may be removed except where otherwise noted.

9.5 Doors may be "gutted", however, factory door reinforcement beams must remain intact unless side impact protection is added.