

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-19-49
Relating to Certification of New Motor Vehicles

DR. ING. h.c.f. PORSCHE, AKTIENGESELLSCHAFT

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1987 model-year Dr. Ing. h.c.f. Porsche, Aktiengesellschaft exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement</u> <u>Cubic Inches (Liters)</u> | | <u>Exhaust Emission Control Systems</u> <u>(Special Features)</u> |
|----------------------|---|-------|---|
| HPR193V5FC09 | 193 | (3.2) | Three-Way Catalyst Heated Oxygen Sensor (Electronic Fuel Injection) |

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

| <u>Hydrocarbons</u> <u>Grams per Mile</u> | <u>Carbon Monoxide</u> <u>Grams per Mile</u> | <u>Nitrogen Oxides</u> <u>Grams per mile</u> |
|--|---|---|
| 0.41 | 7.0 | 0.4 |

The following are the certification emission values for this engine family:

| <u>Hydrocarbons</u> <u>Grams per Mile</u> | <u>Carbon Monoxide</u> <u>Grams per Mile</u> | <u>Nitrogen Oxides</u> <u>Grams per Mile</u> |
|--|---|---|
| 0.31 | 2.4 | 0.1 |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

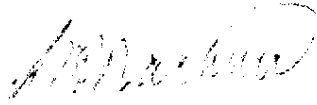
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 15th day of September, 1986.


K. D. Drachand, Chief
Mobile Source Division

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Manufacturer Porsche Engine Family HPR193V5FC09
 Evaporative Family I-1 Engine Type 3.2 1 (193 cu.in) Boxer 6
 Liters (CID) 3.2 litre (193 cu.in.)

ABBREVIATIONS

Ignition System

- CA-Centrifugal Advance
- EEC-Electronic Engine Control
- EI-Electronic Ignition
- ESAC-Electronic Spark Advance Control
- VA-Vacuum Advance
- VR-Vacuum Retard

Exhaust Emissions Control System

- AIP-Air Injection-Pump
- AIV-Air Injection-Valve
- CL-Closed Loop
- EGR-Exhaust Gas Recirculation
- EM-Engine Modification
- OC-Oxidation Catalyst System
- SPL-Smoke Puff Limiter or Throttle Delay
- TOC-Trap Oxidizer, Continual
- TOP-Trap Oxidizer, Periodical
- TR-Thermal Reactor
- TWC-Three-Way Catalyst System

Special Features

- CCV-Combustion Chamber Valve
- CFI-Central Fuel Injection
- DID-Diesel Injection-Direct
- DIP-Diesel Injection-Prechamber
- EFI-Electronic Fuel Injection
- IC-Intercooler or aftercooler
- MFI-Mechanical Fuel Injection
- TC-Turbocharger

Fuel System

- CFI, CL, DID, DIP, EFI, MFI
- nV-nVenturi Carburetor

VEHICLE MODELS:

911 Carrera

Engine: Front _____ Mid. _____ Rear X
 Drive: FWD _____ RWD X 4WD Full Time _____ 4WD Part Time _____

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Passenger Cars Light-Duty Trucks _____ Medium-Duty Vehicles _____ Gas Diesel _____

Manufacturer Porsche Engine Family HPR193V5FC09

Liter (CID) 3.2 (193) Eng. Type Boxer (flat) 6

Emission Control Sys. (Special Features) TWC, ^{NOx}CL, EFI

| Engine Code | Vehicle Models (If Coded see attachment) (Dyno Hp) | Trans. Type | Equiv. Test Weight | Ign. System (ECU) | Fuel System | EGR Valve | Catalyst |
|-------------|--|-------------|--------------------|-------------------|-------------|-----------|--------------------|
| | | | | Part No. | Part No. | Part No. | Part No. |
| 930-25C | 911 Carrera | M5 | 3000 | EI 0.261.200.050 | EFI | N.A. | 930.113 230.13/ |
| | 911 Carrera Turbolook | | 3125 | | | | |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue _____ Revisions: _____