State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-19-64
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 1989 model-year Dr. ING h.c. F. Porsche, Aktiengesellschaft emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
KPR302V5FD40	5.0 (302)	Air Injection - Pump Heated Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) On-Board Diagnostics (Exempted)

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.41	7.0	0.7

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile
0.30	3.1	0.4

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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 Code of Regulations, 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 1988 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 Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) 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 Code of Regulations, 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 29th day of September, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-19-64

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer PORSCHE

Engine Family KPR 302 V5FD40

Evap. Family G

Engine Type V - 8

Liters (CID) 5.0 (302)

ABBREVIATIONS

Ignition System

CA-Centrif. Advance
ECU-Electronic Control Unit
EI-Electronic Igni.
ESAC-Elect. Spark Advance Contr.
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emission Control

AIP-Air Injection pump
AIV-Air Injection Valve
EIC-El.Ign.Control (Diesel only)
EGR-Exhaust Gas Recirc.
EM-Engine Modification
OC-Oxidation Cat. Syst.
SPL-Smoke Puff Limiter or throttle delay
TOC-Trap Oxidizer, Cont.
TOP-Trap Oxidizer, Period.
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
TWC-Three-Way Cat. System
WUOC-Warm-Up Ox. Catalyst
WUTWC-Warm-Up 3-way Cat.
DBC-Dual Bed Catalyst

Special Features

CCV-Combustion Chamb. Valve
CFI-Central Fuel Injection
DID-Diesel Inj.-Direct
DIP-Diesel Inj.-Prechamber
SFI-Sequential Fuel Inject.
EPFI-Electr. Port Fuel Inject.
IC-Intercooler /aftercooler
MPFI-Mech. Port Fuel Inject.
OBD-On-Board Diagnostics
TC-Turbocharger
SC-Supercharger

Fuel System

CFI,HOS,OS,DID,DIP,
EPFI,MPFI,SFI
nV-nVenturi Carburetor
VV-Variable Venturi Carburetor

Vehicle Models: 928 S4 , 928 S4 Clubsport

Engine: Front ..X.. Mid. ..... Rear .....

Drive: FWD ..... RWD ..X.. 4WD Full time ..... Part Time .....

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer PORSCHE Engine Family KPR 302 V5FD40

Liter (CID) 5.0 (302) Engine Type V - 8

Emission Control Sys. (Special Features) TWC, (EPFI) AIP, HOS,

Engine Code	M 28/41 F + M28/41C1			M 28/41 CS
Vehicle Model	928 S4			928 S4 Clubsport
Dyno HP	8.1			8.1
Transm. Type	M 5	A 4		M 5
Equiv. Test Weight	3750	3875		3625
Ign. Syst. (ECU)	E I			
Part No.	928 EZK-01			928 EZK-01/928.618.124.13
Fuel Syst.	E P F I			
Part No.	928 LH-01			928 LH-01 /928.618.123.12
EGR Valve Part No.	N/A			
Catalyst Part No.	928.113.219.01 or 928/4-7 or 928/4-8			

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.