State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-19-61
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)
KPR164V5FE58	2.7 (164)	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	0.4

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
0.34	3.1	0.2

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 21st day of September, 1988.

K. D. Drachand, Chief
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: PORSCHE

Engine Family KPR 164 V5FE58

Evap. Family K

Engine Type L - 4

Liters (CID) 2.7 (164)

ABBREVIATIONS

Ignition System

CA-Centrif. Advance
EEC-Electronic Eng. Control
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
CL-Closed Loop
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.
TR-Thermal Reactor
TWC-Three-Way Cat. System
WUOC-Warm-Up Ox. Catalyst
WUTWC-Warm-Up 3-way Cat.

Special Features

CCV-Combustion Chamb. Valve
CFI-Central Fuel Injection
DID-Diesel Inj.-Direct
DIP-Diesel Inj.-Prechamber
EFI-Electr. Fuel Injection
IC-Intercooler /aftercooler
MFI-Mechanical Fuel Inject.
OBD-On-Board Diagnostics
TC-Turbocharger

Fuel System

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

Vehicle Models: 944

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

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

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer PORSCHE Engine Family KPR 164 V5FE58

Liter (CID) 2.7 (164) Engine Type L - 4

Emission Control Sys. (Special Features) TWC, HOS (MPFI)

Engine Code	M 44/11 C	
Vehicle Model	944	
Dyno HP	6.8	
Transm. Type	M 5	A 3
Equiv. Test Weight	3125	
Ign. Syst. (ECU)	E E C	
Part No.	924 - MWS - 03	
Fuel Syst.	E F I	
Part No.	924 - MWS - 03	
EGR Valve Part No.	N/A	
Catalyst Part No.	944 / 3	

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.

E.O. # A-19-61

1988 MODEL-YEAR CERTIFICATION REVIEW SHEET
EXHAUST/EVAPORATIVE SYSTEM & FILL PIPE SPECIFICATION COMPLIANCE

Manufacturer PORSCHE Engine Family KPR 164 V5FE58

PC _X_ LDT _ MDV _ Gas _X_ Diesel _ LPG _
Cert. Type - CA _X_ 0.320 49S _ 50S _
CID 164 Liters 2.7 Rated HP 160 @ 5900 RPM
Rated Torque 166 @ 4200 RPM
Type Cert. - 50K _X_ 100K _ Evap. Family K Eng. Type L-4
Exhaust Control Sys. and (Special Features) TWC, HOS (EPFI)

		Section/Page
1	Authorized Representative	1
2	Fuel, Test Equipment Procedures & Route	3+4
3	Warranty State & Parts List	16
4	Maintenance: Cert/Req'd/Recm'd	6
5	Tune-Up Lab./Vac. Hose Rout. Diag.	7
6	Evaporative Control System	8+9
7	Engine Parameters	10
8	Fuel/Ignition Systems	8+10
9	Exhaust Control System	8+10
10	Projected Sales	10
11	Vehicle Description	10

		Durab.	Emiss.
12	Test Vehicle Information		
	Zero Mile Books	12	12
	Vehicle Logs	12	12
	Maint. Logs & Engr. Val.	12	12
13	Evap. Bench Test Procedure		13
14	Gen. Std., Increase in Emm., Safety, Mtg. All Req'ments.		16.03
15	Production Vehicle Same as Test Veh.		17
16	Label Durability		17
17	Driveability		17
18	Fill Pipe Specs.		17
19	Altitude A/F Req'ment		16.01
20	Carb. Tamperproof Req'ment		n/a
21	Ck for DF, Outlier, Line Xing		12
22	EPA Certificate PRSCH-LDV 89-05 6/29/88		_
23	Two Year/24K Warranty		NO _
24	Alcohol Compatible		_
25	Cert. Preview Program		_
26	OBD System		YES
27	OBD Extension Program		YES