

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:

<u>Engine Family</u>	<u>Displacement</u> <u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems</u> <u>(Special Features)</u>
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:

<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>
0.34	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 21<sup>st</sup> 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

<u>Ignition System</u>	<u>Exhaust Emission Control</u>	<u>Special Features</u>
CA-Centrif. Advance	AIP-Air Injection pump	CCV-Combustion
EEC-Electronic Eng. Control	AIV-Air Injection Valve	Chamb. Valve
EI-Electronic Igni.	CL-Closed Loop	CFI-Central Fuel Injection
ESAC-Elect. Spark Advance Contr.	EGR-Exhaust Gas Recirc.	DID-Diesel Inj.-Direct
VA-Vacuum Advance	EM-Engine Modification	DIP-Diesel Inj.-Prechamber
VR-Vacuum Retard	OC-Oxidation Cat. Syst.	EFI-Electr. Fuel Injection
	SPL-Smoke Puff Limiter or throttle delay	IC-Intercooler /aftercooler
	TOC-Trap Oxidizer, Cont.	MFI-Mechanical Fuel Inject.
	TOP-Trap Oxidizer, Period.	OBD-On-Board Diagnostics
	TR-Thermal Reactor	TC-Turbocharger
	TWC-Three-Way Cat. System	
	WUOC-Warm-Up Ox. Catalyst	
	WUTWC-Warm-Up 3-way Cat.	

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	N/A	
Part No.	N/A	
Catalyst	944 / 3	
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 32049S - 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)

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20	Carb. Tamperproof Req'ment		<u>n/a</u>
21	Ck for DF, Outlier, Line Xing		<u>12</u>
22	EPA Certificate		
23	Two Year/24K Warranty	<i>PRSCHE-LDU 89-05 6/29/88</i>	<u>NO</u>
24	Alcohol Compatible		<u>-</u>
25	Cert. Preview Program		<u>-</u>
26	OBD System		<u>YES</u>
27	OBD Extension Program		<u>YES</u>

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