

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-19-54  
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 1988 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 Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JPR151V5FE54	2.5 (151)	Three-Way Catalyst Heated Oxygen Sensor (Electronic Port 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 Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.41	7.0	0.4

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.25	2.5	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 Administrative Code, Section 2290) for the aforementioned model-year.

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 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 Administrative Code, Section 1965) for the aforementioned model year.

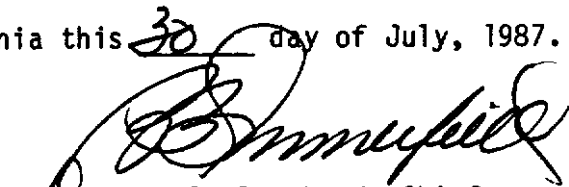
BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

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 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 30 day of July, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer PORSCHE Engine Family JPR 151 V5FE54  
Evap. Family H and K Engine Type L - 4  
Liters (CID) 2.5 (151)

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: 924 S , 944

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

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

Section 17.00.00.00 SECTION FOR CALIFORNIA (Cont.) PAGE NO.: 17.04-03  
 ENGINE FAMILY: JPR 151 V5FE54 ENGINE CODE: A11 DATE: 04.20.1987  
 RUNNING CH. NO.: REVISION DATE:

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer PORSCHE Engine Family JPR 151 V5FE54  
 Liter (CID) 2.5 (151) Engine Type L - 4  
 Emission Control Sys. (Special Features TWC, HDS (EPFI),

Engine Code	M 44/09 C			
Vehicle Model	924 S	1	944	
Dyno HP	6.6	1	6.8	
Transm. Type	M 5	A 3	M 5	A 3
Equiv. Test Weight	3000	1	3125	
Ign. Syst. (ECU)	E E C			
Part No.	Typ 944 - MWS - 02			
Fuel Syst.	E F I			
Part No.	Typ 944 - MWS - 02			
EGR Valve				
Part No.	n/a			
Catalyst				
Part No.	944.111.081.05			

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.