891. ...

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## State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-123 Relating to Certification of New Motor Vehicles

## VOLKSWAGEN AG

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 Volkswagen AG exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement ngine Family Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)		
JVW1.8V6FSA9	1.8	(109)	Three-Way Catalyst Heated Oxygen Sensor (Mechanical 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:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
<u>Grams per Mile</u>	Grams per mile	Grams per Mile		
0.41	7.0	0.7		

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
Grams per Mile	Grams per Mile	Grams per Mile		
0.25	2.2	0.4		

BE IT FURTHER RESOLVED: That the listed models were 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 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.) and with Health and Safety Code Section 43204.

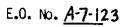
Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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

Executed at El Monte, California this 11 day of September, 1987.

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K. D. Drachand, Chief Mobile Source Division



## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer	AUDI AG	Engine Family	JW1.8V6FS	A9
Evap. Family	JWSI-4V and JWGI	Engine Type	0tto - <b>14</b>	
		Displacement (Liters)	1.8	
ABBREVIATIONS	•			
Ignition System		Exhaust Emissions Control System		Special Features
Ignition System CA - Centrifugal Advance ECU - Electronic Control Unit EI - Electronic Ignition ESAC - Electronic Spark Advance Control VA - Vacuum Advance VR - Vacuum Retard		<pre>AIP - Air Injection-Pump AIV - Air Injection-Valv DBC - Dual Bed Catalyst EGR - Exhaust Gas Recirc ELC - Electronic Injecti EM - Engine Modificatio UC - Oxidation Catalyst OS - Oxygen Sensor HOS - Heated Oxygen Sens SPL - Smoke Puff Limiter Throttle Delay TOC - Trap Oxidizer,Cont TOP - Trap Oxidizer,Peri TWC - Three-Way Catalyst WUOC- Warm-Up Three-Way</pre>	o ve culation con Control on System cor or cinual odical System Catalyst	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 OBD - On-Board Diagnostics
Fuel System				
CFI, CL, DID, DIP, nV - nVenturi Carbo				

VEHICLE MODELS:

Scirocco 16 V Jetta GLI 16 V GTI 16 V

Engine:	Front <u>X</u>	Mid	Rear	
DRIVE SYSTEM:	FWD X	RWD	4WD Full Time	4WD Part Time

E.O. No. A-7-123

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Passenger Cars X	Light-Duty Trucks	Medium-Duty Vehicles	Gas X Diesel		
Manufacturer	W AG	Engine Family	JVW 1.8 V6FSA9		
Displacement (Ltr.)	1.8	Engine Type	Otto - 14		
Emission Control System (MPFI), HOS, TWC					

Engine Code	Vehicle Models (Dyno HP)	Trans. Type	Equiv. Test Weight	Ignition System Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
1.8 DHK5 US2 HS2	Scirocco 16V (7.0)	M5	2625	EI-ESAC 027 905 205 P	MFI 026 133 363 A		3 131 701 or 3 253 208
1.8 DHK5 0S2 HS2	Jetta GLI 16V (7.0)	Mō	2750	EI-ESAC 027 905 205 P	MFI 026 133 353	165	131 701 E
1.8 UHK5 0S2 HS2	GTI 16V (7.0)	Мб	2750	EI-ESAC 027 905 205 P	MFI 026 133 353	165	131 701 E

Connents:

See page one for abbreviations and evaporative emission family identification 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: 07-06-87

Revisions: