State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-30-77
Relating to Certification of New Motor Vehicles

AUDI 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 1990 model-year Audi AG exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LAD2.3V6FNHX Displacement: 2.3 Liters (141 Inches^3)
Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Heated Oxygen Sensor
Three-Way Catalyst
Continuous Fuel Injection System
On-Board Diagnostics

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

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.26	1.4	0.3

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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with 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 provisions (California Health and Safety Code Section 43205).

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 25th ~~day of~~ August, 1989.

K. D. Drachand, Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-30-77

Manufacturer AUDI AG Engine Family LAD 2.3 V6FNHX

Evaporative Family HNC4/JNB8/LNHH Engine Type L5

Liters (CID) 2.3 (141)

ABBREVIATIONS

Ignition System	Exhaust Emissions Control System	Special Features
EI-Electronic Ignition	AIR-Secondar Air Injection	CIS-Continous Fuel Injection
PCM2-Powertrain Control Module	PAIR-Pulsed Secondary Air	MPI-Multipoint Electronic Fuel Injection
	EGR-Exhaust Gas Recirculation	SMPI-Sequential Multipoint Electronic Fuel Injection
	EM-Engine Modification	TBI-Throttle Body Electronic Fuel Injection
	SPL-Smoke Puff Limiter	IDI-Indirect Diesel Injection
	TOC-Trap Oxidizer, Continual	DI-Direct Diesel Injection
	TOP-Trap Oxidizer, Periodical	TC-Turbocharger
	OC-Oxidation Catalyst	SC-Supercharger
	TWC-Three-Way Catalyst	OBD-On-Board Diagnostics
	WUOC-Warm-Up Oxidation Catalyst	
	WUTWC-Warm-Up Three-Way Catalyst	
	TWC+OC-Three-Way Catalyst + Oxidation Catalyst	
	O2S-Exhaust Gas Oxygen Sensor	
	HO2S-Heated Oxygen Sensor	

VEHICLE MODELS:
1) Audi 100
Audi 90

2) Audi 100 quattro
Audi 80 quattro
Audi Coupé quattro

Engine: Front X Mid. ____ Rear ____

Drive: 1) FWD X RWD ____ 2) 4WD Full Time X 4WD Part Time ____

05-12-89 Revision Date:

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-30-77

Manufacturer AUDI AG Engine Family LAD 2.3 V6FNHX

Passenger Cars X Light-Duty Trucks __ Medium-Duty Vehicles __ Gas X Diesel __

Engine Type L5 Liter (CID) 2.3 (141) Evap. Family HNC4/JNB8/LNHH

Emission Control System (Special Features) CIS, TWC, HO2S, EGR, OBD

Engine Code	Vehicles Models (If coded see attachment)	Trans. Type A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. System (ECU/PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
NBC1	Audi 100 qu	M5q	3625	7.8	443907397 F/ 443907397 M	054131501 054906267	443131701 Q/ 443131701 S
NBC2	Audi 100	A3	3500	7.0	- " -	- " -	447131701 A
	Audi 100	L4	3500	7.0	443907397 M	- " -	443131701 P
NBC3	Audi 90	A3	3125	6.4	443907397 F/ 443907397 M	- " -	443131701 B
	Audi 90	M5	3125	6.4	- " -	- " -	893131702 Q (893178 A) *
	Audi 80 quattro	M5q	3250	7.6	- " -	- " -	893131702 L (893178 A) *
	Audi Coupé qu	M5q	3250	7.6	- " -	- " -	893131702 L (893178 A) *

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.

Date of Issue: 05-12-89 Revisions: * Number on part