State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-30-8
Relating to Certification of New Motor Vehicles

AUDI NSU AUTO UNION AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Audi NSU Auto Union AG exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: Audi 100 C1
Engine: 114.5 CID
Transmission: 3-Speed Automatic and 4-Speed Manual
Exhaust Emissions Control Systems: Engine Modification, Exhaust Gas Recirculation, Fuel Injection, Oxidation Catalyst

Models: Audi 100 LS

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
Audi 100 C1	0.19	2.6	1.2

BE IT FURTHER RESOLVED: That this certification is contingent upon Audi NSU Auto Union AG affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Audi NSU Auto Union AG listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 27th day of September, 1976.

G C Hass by A D Rachand

G. C. Hass, Chief
Division of Vehicle Emissions Control

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer AUDI NSU Auto Union AG Executive Order No. A-30-8

Engine Family Audi 100 C 1 Engine (CID) 114.5 Engine Code YC (manual trans.) YD (auto. trans.)

Emission Control System EGR, EM, FI, OC. +10%(A/C) Yes [X] No [ ]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type : C,V, VR, CD. Mfgr. Part Number	Fuel System Type : FI (K-Jetronic) Mfgr. Part Number	EGR System : Venturi Vacuum Controlled Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Audi 100 LS	A/T3 (3.91 axle ratio)	3,000	Bosch 0 231 176 032	Mixture control Unit 063 133 353, consisting of Bosch 0 438 120 007 Air Flow Sensor; Bosch 0 438 100 005 Fuel Distributor; Bosch 0 438 140 011 warm-up Regulator.	058 131 503 C I-15,000 miles	(1) 6° ± 1° ATDC at idle speed with vacuum connected (2) 0.3% maximum at tail-pipe (3) 925±75 in neutral with head-lamps on high beam (Label No. 810 000 331 M)
	M/T4 (4.11 axle ratio)				058 131 503 E I-15,000	

Comments

Date of Issue : 22 September 1976

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
CD - Capacitive Discharge
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed