

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 CI
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:

| <u>Engine Family</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|--|---|---|
| Audi 100 CI | 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 29th day of September, 1976.

G.C. Hass by A.D. Orchard

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

Manufacturer AUDI NSU Auto Union AG Executive Order No. A-30-8 Page 1 of 1
 Engine Family Audi 100 C 1 Engine (CID) 114.5 EngineYC (manual trans.) Code YD (auto. trans.)
 Emission Control System EGR, EM, FI, OC. +10%(A/C) Yes 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 Control- Part No. Fed. 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 Distribu- tor; 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 neu- tral 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