 E. O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-9
Relating to Certification of New Motor Vehicles

SAAB-SCANIA AKTIEBOLAG

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 Saab-Scania Aktiebolag exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: BI20CA
Engine: 121.1 CID
Transmission: 4-Speed Manual and 3-Speed Automatic
Exhaust Emission Control Systems: Fuel Injection, 3-Way Catalyst with Lambda Control

Models: 4-Speed Manual Transmission

Saab 99GL 3-Door Hatchback
Saab 99GL 5-Door Hatchback
Saab 99GLE 4-Door Sedan
Saab 99EMS 2-Door Sedan

3-Speed Automatic Transmission

Saab 99GL 3-Door Hatchback
Saab 99GL 5-Door Hatchback
Saab 99GLE 4-Door Sedan

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

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| BI20CA | 0.31 | 5.5 | 0.3 |

BE IT FURTHER RESOLVED: That this certification is contingent upon Saab-Scania Aktiebolag 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 Saab-Scania Aktiebolag 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 12 day of April, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer SAAB-SCANIA AKTIEBOLAG Executive Order No. A-22-9 Page 1 of 1

Engine Family BI 20CA Engine (CID) 121.1 Engine Codes: P04 &P05

Emission Control System TWC, FI with λ-Control +10%(A/C) Yes [X] No [ ]

| Vehicle Models (If Coded see attachment) | Trans | Inertia Weight | Distributor Type: C, V<br>Mfgr.<br>Part Number | Fuel System Type: Continuous FI<br>Mfgr.<br>Part Number | λ-Control System<br>Part No.<br>Service* | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed |
|---|---|---|---|---|---|---|
| Saab 99GL (3-dr & 5-dr)<br>Saab 99GLE (4-dr)<br>Saab 99EMS (2-dr) | M/T-4 (P04) | 3000 | Bosch JFU4 0 231 170 197<br>or<br>0 231 041 049 | Bosch: Fuel Distributor 0 438 100 018<br>Air Flow Sensor 0 438 120 050<br>Warm-up Regulator 0 438 140 032 | Electronic Control Unit 0 280 800 002<br>Oxygen Sensor 0 258 001 001<br>R-15000 mi. | (1) 20° BTDC @ 2000 RPM with distributor vacuum disconnected & plugged.<br>(2) 0.25% to 1.0% idle CO at tailpipe @ idle speed with canister purge pipe and and oxygen sensor cable disconnected.<br>(3) 875±50 RPM with transmission in neutral.<br>Label No. 833084, colored YELLOW. |
| Saab 99GL (3-dr & 5-dr)<br>Saab 99GLE (4-dr) | A/T-3 (P05) | | | | | |

Comments

Date of Issue: 11 April 1977

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
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
R-Replace