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	Carbon Monoxide	Nitrogen Oxides	
	Grams per Mile	Grams per Mile	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 2 day of April, 1977.

G. C. Hass, Chief

S. C. TKNAN

Vehicle Emissions Control Division

١,					SUPPLEMENTA Light-Duty	AL DATA SHEET Trucks			
	Engine Fami	ly <u>BI</u>	20CA		Engine (CID)		-22-9		
	Vehicle Models (If Coded see attachment)			Distributor Type: C, V	Fuel System Type: Cont- inuous FI	オ-Control System Part No.	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed		
	Saab 99GL (3-dr & 5-dr) Saab 99GLE (4-dr) Saab 99EMS (2-dr)	M/T-4 (P04)	3000	0 231 170 197 or 0 231 041 049	Fuel Dist- ributor 0 438 100 018 Air Flow Sensor 0	or 0 258 001 001 R-15000 mi.	 (1) 20⁰ BTDC @ 2000 RPM with distributor vacuum disconnected & plugged. (2) 0.25% to 1.0% idle CO at tailpipe @ idle speed with canister purge pipe and and oxygen sensor cable disconnected. (3) 875-50 RPM with transmission in neutral. Label No. 833084, colored YELLOW. 		
	(3-dr & 5-dr Saab 99GLE (4-dr)	A/T-3) (PO5)							
	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
T-Inspect, repair/replace
as needed
R-Replace