

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-31  
Relating to Certification of New Motor Vehicles

SAAB-SCANIA SB

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 1986 model-year Saab-Scania SB exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GSA2.OV5FNB2	121 (2.0)	Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.41	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.36	2.7	0.5

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 Administrative Code, 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 1981 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 30<sup>th</sup> day of September, 1985.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer SAAB-SCANIA AB Executive Order No. A-22-31  
 Engine Family GSAZ.OV5FNBZ Evaporative Family 9000-4  
 Engine CID (Liters) 2.0 L

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TOC-Trap Oxidizer Continual  
 TOP-Trap Oxidizer Periodical  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFi-Electronic Fuel Injection  
 IC - Intercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

FI, CL, DID, DIP, EFI, MFI  
 V-Venturi Carburetor  
 V-Variable Venturi

VEHICLE MODELS: 900S - 2-DOOR SEDAN (2SNL) - M5 & A3 TRANSMISSION  
 900S - 3-DOOR HATCHBACK (3CKL) - "  
 900S - 4-DOOR SEDAN (4SNL) - "

DRIVE SYSTEM: FRONT Engine/ FRONT -/wheel Drive

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -22-31

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

Manufacturer SAAB-SCANIA AB

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Engine Family GSAZ.OV5FNBZ

Engine Code 202NMSAC

Code 202NA3AC

ECS (Special Features) CL, TWC, EFI

CID (Liter)- 2.0L  
Type NATURALLY ASPIRATED

Engine Code	Vehicle Models (If Coded see attachment) (Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
202NMSAC	900S-2SNL	M5	3125	BOSCH IGNITION DISTRIBUTOR ASSEMBLY 75 00 507 IGNITION COIL 85 73 834 IGNITION CONTROL UNIT 75 03 592 RETARD KNOCK CONTROL MODULE	BOSCH LH ELECTRONIC FUEL INJECTION SYSTEM  ELECTRONIC CONTROL UNIT 75 14904  BOSCH LH AIR MASS METER 93 75 643  LH FUEL INJECTOR 75 09 862  LH CONTROL PRESSURE REGULATOR 75 01 646  LH TEMPERATURE TRANSMITTER (NTC) 93 57 021	NOT APPLICABLE	75 32 344
	900S-3CKL	M5	3125				
	900S-4SNL	M5	3125				
202NA3AC	900S-2SNL	A3	3125				
	900S-3CKL	A3	3125				
	900S-4SNL	A3	3250				

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.

\*Add 10% to dyno test HP for air conditioning usage.

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