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:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
GSA2.0V5FNB2	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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0.41	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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 30th day of September, 1985.

K. D. Drachand, Chief
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page

Manufacturer SAAB-SCANIA AB

Executive Order No. A-22-31

Engine Family GSA2.0V5FNB2

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

CFI, CL, DID, DIP, EFI, MFI
-nVenturi Carburetor
.V-Variable Venturi

VEHICLE MODELS: 9005 - 2-DOOR SEDAN (2SNL) - M5 & A3 TRANSMISSION
9005 - 3-DOOR HATCHBACK (3CKL) - "
9005 - 4-DOOR SEDAN (4SNL) - "

DRIVE SYSTEM: FRONT Engine/ FRONT -Wheel Drive

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1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer SAAB-SCANIA AB Page

Engine Family GSAZ.OV5FNBZ Engine Code 202NM5AC 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
202NM5AC	900S-2SNL 900S-3CKL 900S-4SNL	M5 M5 M5	3125 3125 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
202NA3AC	900S-2SNL 900S-3CKL 900S-4SNL	A3 A3 A3	3125 3125 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.

of Issue -

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