

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-23
Relating to Certification of New Motor Vehicles

SAAB-SCANIA AB

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 1984 model-year Saab-Scania AB 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>
ESA2.OV6FTAX	121.1 (2.0)	Three-Way Catalyst with Closed Loop (Mechanical Fuel Injection) (Turbocharged)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<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 the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.17	1.4	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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.

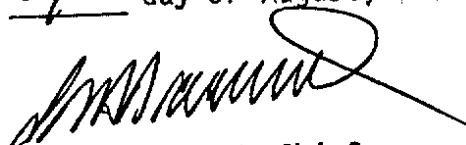
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 29th day of August, 1983.


K. D. Drachand, Chief
Mobile Source Control Division

Manufacturer SAAB-SCANIAExecutive Order No. A-22-23Page 1Engine Family ESA2.0V6FTAXEvaporative Family 900-3Engine CID (Liters) 121.1 (2.0)

ABBREVIATIONS

Ignition System

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

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

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
 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
 MFI-Mechanical Fuel Injection
 TC-Turbocharger

Model(s):

SAAB 900 Turbo 3-Door Hatchback
 SAAB 900 Turbo 4-Door Sedan

DRIVE SYSTEM: Front engine, front drive

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Saab-Scania AB

F.O. #A-22-23

Engine Family ESA2.OV6FTAX CID (liter) - Type 121.1(2.0), I-4

ECS (Special Features) TWC/CL (MFI, TC)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System VA/PR/EI Part No.	Fuel System MFI Part No.	EGR Valve Part No.	Label Ident. Part No.
APCM5-AC(*)	900 Turbo 3-door hatchback 4-door Sedan	M5	3125	Robert Bosch 93 57 740	Robert Bosch Fuel Injection Control Unit 0438040100 Air flow sensor 0438120159 Fuel Dist- ributor 0438100058	N/A	75 14 110 (Pink)
APCA3-AC	900 Turbo 3-door hatchback 4-door sedan	A3	same as above	Same as above	Same as above	Same as above	Same as above

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.

Date of Issue - 08/25/83

Revisions:

1984 AIR RESOURCES BOARD TEST WEIGHT/HORSEPOWER LIST

<u>Configuration</u>	<u>Equivalent Test Weight</u>	<u>Horsepower</u>
900 3-Door Hatchback/M5	2875	8.3
900 3-Door Hatchback/M5 with AC	2875	9.2
900 4-Door Sedan/M5	2875	8.0
900 4-Door Sedan/M5 with AC	3000	8.8
900 3-Door Hatchback/A3	2875	8.3
900 3-Door Hatchback/A3 with AC	3000	9.2
900 4-Door Sedan/A3	3000	8.0
900 4-Door Sedan/A3 with AC	3000	8.8
900S 3-Door Hatchback/M5 with AC	3000	9.2
900S 4-Door Sedan/M5 with AC	3000	8.8
900S 3-Door Hatchback/A3 with AC	3000	9.2
900S 4-Door Sedan/A3 with AC	3125	8.8
Turbo 3-Door Hatchback/M5 with AC	3125	7.3
Turbo 4-Door Sedan/M5 with AC	3125	8.8
Turbo 3-Door Hatchback/A3 with AC	3125	7.3
Turbo 4-Door Sedan/A3 with AC	3125	8.8