

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-25  
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 1985 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<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                       |
|----------------------|---|--|
| FSA2.0V6FTA0         | 121.1 (2.0)                                   | Three Way Catalyst with Closed Loop<br>(Mechanical Fuel Injection)<br>(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<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.41                                   | 7.0                                       | 0.7                                       |

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

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.22                                   | 1.8                                       | 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 1960.15 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 2nd day of August, 1984.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer SAAB-SCANIA Executive Order No. A-22-25 Page 1  
 Engine Family FSA2.OV6FTA0 Evaporative Family 900-3  
 Engine 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

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 Turbo 3-Door Hatchback  
 SAAB Turbo 4-Door Sedan

DRIVE SYSTEM: Front engine, front drive

## 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Saab-Scania AB F.O. # A-22-25

Engine Family FSA2.OV6FTA0 CID (liter) - Type 121.1(2.0), I-4

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

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

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 -  
Revisions:

## 1985 AIR RESOURCES BOARD TEST WEIGHT/HORSEPOWER LIST

| <u>Configuration</u>                   | <u>Equivalent<br/>Test Weight</u> | <u>Horsepower</u> |
|--|-----------------------------------|-------------------|
| 900 3-Door Hatchback/M5                | 2875                              | 8.3               |
| 900 3-Door Hatchback/M5 with AC        | 3000                              | 9.2               |
| 900 4-Door Sedan/M5                    | 3000                              | 8.0               |
| 900 4-Door Sedan/M5 with AC            | 3000                              | 8.8               |
| 900 3-Door Hatchback/A3                | 3000                              | 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           | 3125                              | 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 3-Door EAG* Hatchback/M5 with AC | 3125                              | 7.3               |
| Turbo 4-Door Sedan/M5 with AC          | 3125                              | 8.8               |
| Turbo 4-Door EAG* Sedan/M5 with AC     | 3125                              | 8.8               |
| Turbo 3-Door Hatchback/A3 with AC      | 3125                              | 7.3               |
| Turbo 3-Door EAG* Hatchback/A3 with AC | 3125                              | 7.3               |
| Turbo 4-Door Sedan/A3 with AC          | 3125                              | 8.8               |
| Turbo 4-Door EAG* Sedan/A3 with AC     | 3250                              | 8.8               |

\*EAG = Exclusive Appointment Group