State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-13
Relating to Certification of New Motor Vehicles

SAAB-SCANIA AKTIEBOLAG

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Saab-Scania Aktiebolag exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered passenger cars.

| Engine Family | Displacement Cubic Inches | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| BSI20CA | 121.1 | Three Way Catalyst (Mechanical Fuel Injection) (Turbocharged) |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| BSI20CA | 0.20 | 2.2 | 1.4 |

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 except Motorcycles".

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.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 15 day of November, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

# 1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Saab-Scania Executive Order No. A-22-13 Page 1

Engine Family BSI20CA Engine (CID) 121.1

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CCAV-Comb. Chamber Air Valve
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)
WOC-Warm-up Oxidation Catalyst

| Engine Code | Model |
|---|---|
| P02 | 900 Turbo 3-dr hatchback (3CKL) |
| P02-AC | 900 Turbo 3-dr hatchback (3CKL)<br>900 Turbo 5-dr hatchback (5CKL)<br>900 Turbo 5-dr (long wheelbase) |

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# 1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks [ ] Medium-Duty Vehicles

Manufacturer Saab-Scania

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Engine Family BSI20CA Engine (CID) 121.1 Engine Code

Emission Control System MFI, TWC + 10% (A/C) Yes XX No

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans. | Inertia Weight Class (Axle Ratio)* | Ign. Sys. | Fuel System | EGR Valve | Tune-up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed |
|---|---|---|---|---|---|---|---|
| PO2<br>PO2-AC | 3CKL<br>5CKL | M4 | 3000 | Bosch 0237005001 | Bosch Fuel Distributor 0438 100 032<br><br>Air Flow Sensor 0438 120 073<br><br>Warm up Regulator 0438 140 051 | | (1) 20° BTDC @ 2000 RPM disconnect vac. line<br><br>(2) 0.75% + 0.25/-0.50 CO with oxygen sensor and evap purge lines disconnected<br><br>(3) 875 ± 50 in neutral |

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, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue - October 9, 1978