

E.O.
BOOK

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-11
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 for 1978 model-year passenger cars are certified for the vehicles described below:

- Engine Family: B120CA
- Engine: 121.1 CID
- Transmission: 4-Speed Manual and 3-Speed Automatic
- Exhaust Emission Control Systems: Fuel Injection, 3-Way Catalyst with Lambda Control

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
B120CA	0.20	6.8	0.4

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-22-1 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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

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

Executed at El Monte, California, this 21 day of October, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Saab-Scania Executive Order No. A-22-11 Page 1
 Engine Family BI20CA Engine (CID) 121.1

ABBREVIATIONS

<u>Distributor</u>	<u>Exhaust Emissions Control System</u>	
C-Centrifugal Advance	AI-Air Injection	OC-Oxidation Catalyst
V-Vacuum Advance	CAI-Catalyst Air Injection	PAI-Pulse Air Injection
VR-Vacuum Retard	CAB-Chamber Air Bleed	RC-Reduction Catalyst
HEI-High Energy Ignition	DD-Dual Displacement	TC-Turbo Charged
EI-Electronic Ignition	EFI-Electronic Fuel Injection	TR-Thermal Reactor
<u>Fuel System</u>	EGR-Exhaust Gas Recirculation	TWC-Three Way Catalyst
EFI, FI	EM-Engine Modification	(Feedback Control)
nV-nVenturi Carburetor	EFE-Early Fuel Evaporation	<u>EGR Syst. Service</u>
VV-Variable Venturi	ESAC-Electronic Spark Advance	I-Inspect, repair/replace
	Control	as needed
	FI-Fuel Injection	R-Replace

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
P04/5	GL-2SNL Saab 99 Sedan	M4
P04/5	GL-3CKL Saab 99 Hatchback	M4
P04/5	GL, GLE-5CKL Saab 99 Hatchback	M4
P04/5	EMS-3CKL Saab 99 Hatchback	M4
P04/5	GL-3CKL Saab 99 Hatchback	A3
P04/5	GL, GLE-5CKL Saab 99 Hatchback	A3

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Saab-Scania Executive Order No. A-22-11 Page 2

Engine Family BI20CA Engine (CID) 121.1 Engine Code _____

Emission Control System TWC, FI with λ control +10%(A/C) Yes No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor	Fuel System	EGR System	Tune-Up Specification
				Type CV	Type FI	None	
				Mfgr. Part Number	Mfgr. Part Number	Part No. Service	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
BI 20CA (P04/5)	Saab 99GL, GLE, EMS, 99L	M4 A3	3000	Bosch 0237002023	Bosch Fuel Distri- butor 0438 100 032 Air Flow Sensor 0438 120 078 Warm up regulator 0438 140 032		(1) 20° BTDC @ 2000 R.P.M. disconnect V _{ac} line (2) 0.75% + 0.25/-0.50 CO with oxygen sensor and evap purge lines disconnected (3) 875 ± 50 in neutral

Comments: No models have special road load HP settings.
See page 1 for abbreviations and model codes.

Date of Issue _____ Revisions:
R/C BI20CA/78/01 , June 13, 1978