State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-8
Relating to Certification of New Motor Vehicles

AB VOLVO, CAR DIVISION

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 AB Volvo, Car Division exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: 4CL
Engine: 130 CID
Transmission: 3 Speed Automatic, 4 Speed Manual or 4 Speed Manual and overdrive
Exhaust Emission Control Systems: Fuel Injection, Lambda-Sond, Three Way Catalyst

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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4CL	0.36	7.3	0.2

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-18-1 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".

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 28 day of October, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family 4CL Engine (CID) 130

ABBREVIATIONS

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

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

Exhaust Emissions Control System
AI-Air Injection
CAI-Catalyst Air Injection
CAB-Chamber Air Bleed
DD-Dual Displacement
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection
OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)

EGR Syst. Service
I-Inspect, repair/replace as needed
R-Replace

Engine Code	Model	Transmission
4 CL	242 Sedan	M4, M5, A3
	244 Sedan	M4, M5, A3
	245 Station Wagon	M4, M5, A3

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium Duty Vehicles

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Engine Family 4CL Engine (CID) 130 Engine Code

Emission Control System Lambda-Sond & TWC +10%(A/C) Yes ☒ No ☐

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C, V Mfgr. Part Number	Fuel System Type Fl Mfgr. Part Number	EGR System None Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	242	M4 M5 A3	3000	Volvo 1266466	Fuel Metering Unit: Bosch 0438100032		(1) 12° + 2° BTDC @ 750 + 50 RPM Vacuum disconnected Trans. neutral A/C off
	244 245		3500	Bosch 0237003009	Air Metering Unit: Bosch 0438120025 Air/Fuel Metering Unit: Volvo 1266347		(2) 2.0 + 0.5/-1.0 % CO disconnect oxygen sensor, sample upstream of catalyst at tap. (3) 900 RPM

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

Date of Issue Revisions: