

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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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".

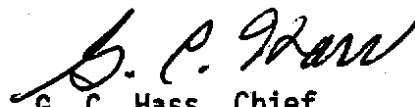
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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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 28 day of October, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volvo Executive Order No. A-18-8 Page 1  
 Engine Family 4CL Engine (CID) 130

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>
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 F1 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: