State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-7
Relating to Certification of New Motor Vehicles

AB VOLVO, CAR DIVISION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That AB Volvo, Car Division exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 6CA
Engine: 163 CID
Transmission: 3 Speed Automatic, or 4 Speed Manual and Overdrive
Exhaust Emission Control Systems: Fuel Injection, Exhaust Gas Recirculation, Oxidation Catalyst, Air Injection.

Models: 262
264
265

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
6CA	0.28	1.6	1.4

BE IT FURTHER RESOLVED: That this certification is contingent upon AB Volvo, Car Division affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon AB Volvo, Car Division listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

Vehicle 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 10 day of March, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer AB Volvo, Car Division Executive Order No. A-18-7 Page 1

Engine Family 6CA Engine (CID) 163 Engine Code

Emission Control System FI- EGR - OC - AI +10%(A/C) Yes [X] No [ ]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,VR, EI Mfgr. Part Number	Fuel System Type FI Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
262	A/T3 M/T4 + O.D.	3500	See attached sheet	See attached sheet	See attached sheet	(1) 10° ± 2° BTDC @ 750 ± 50 RPM in neutral; Vacuum line disconnected and plugged at distributor Air conditioner off. (2) 1.7 ± 0.3% CO in neutral; CO taps upstream of catalyst; 900 RPM Air injection disconnected. (3) 900 RPM in neutral.
264	A/T3 M/T4 + O.D.	3500				
265	A/T3 M/T4 + O.D.	3500				

Comments Axle Ratio: 3.73: 1, 3.54: 1
O.D. - Overdrive
* I - 15,000 mile interval.

Date of Issue

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 Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
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
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed

Component System Part Number

Manufacturer: AB Volvo, CAR Division
Engine Family: 6CA

Item	Volvo Part Number	Vendor Part Number	Number Locations on Part
Distributor	269739	Bosch 0237406001	Stamped on side of aluminum body
Air Fuel Control Unit	269731	Bosch 0438060012	Not marked
Fuel Distributor Unit		0438100006	On plate on side of body
Air Metering Unit		0438120027	On plate on side of body below fuel distributor unit.
EGR Valve	1266002	PE20291	Stamped on top of capsule. Color coded white on top screw.