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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-4R
Relating to Approval of New Motor Vehicles

AB VOLVO, CAR DIVISION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 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 1976 model-year passenger cars are approved for the engine family described below:

Engine Family: B21FC1
Engine: 130 CID
Transmission: 3-Speed Automatic, 4-Speed Manual or 4-Speed Manual and Overdrive
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Fuel Injection, Oxidation Catalyst

Models: Volvo

242
244
245

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 model vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
B21FC1	0.3	5.0	1.6

BE IT FURTHER RESOLVED: That, pending further evaluation of the applicant's general standards submission, this approval is limited to the sale of vehicles with build dates no later than December 31, 1975.

BE IT FURTHER RESOLVED: That this Executive Order is issued subject to the following conditions:

(1) AB Volvo, Car Division will submit a list of all operating conditions which may lead to catalyst overheating, the provisions taken to protect against damage caused thereby and such other vehicle information concerning safety as the Air Resources Board may reasonably request.

(2) AB Volvo, Car Division agrees to provide all purchasers of vehicles built and sold under this Executive Order with any information which is required to be given to purchasers of similar 1976 model-year vehicles manufactured under a subsequent Executive Order.

Vehicles approved 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 27 day of October, 1975.

G. C. Hass

G. C. Hass, Chief
Division of Vehicle
Emissions Control

AIR RESOU[illegible]S BOARD
SUPPLEMENTAL INFORMATION
1976 MODEL YEAR

Rev. (12/29/75)
Rev. (11/3/75)

☒ PASSENGER CARS ☐ LIGHT-DUTY TRUCKS

NUFACTURER: AB Volvo, Car Division

EXECUTIVE ORDER NO. A- 18-4 PAGE NO. 1

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertia Weight	Distributor Type	Distributor Mfgr. Part No.	Fuel System Type	Fuel System Mfgr. Part No.	Emission Control System Type	Emission Control System ☒ OC ☐ TR Part No. Service*	Emission Control System EGR Part No. Service*	Tune-up Specifications Idle RPM	Tune-up Specifications Basic Timing	Tune-up Specifications Idle Mixture
21FC1	242 244 245	130	M/T5	3000 3500	EI, C, VR	Bosch 463694	FI	Bosch 463935	AI FI EGR OC	462863	1219387	900 RPM in neutral	15° BTDC @ 700-800 RPM in neutral Vacuum Discon-nected	2% + 0.3% CO @ 900 RPM in neutral Air Injection Discon-nected Upstream Tap
	242 244		M/T4											
	242 244 245		A/T3							464523	464523	850 RPM in neutral		

The part numbers shown on this page are Volvo. See attached sheet for cross reference between Volvo and vendor part numbers

breviations:

stributor
- Centrifugal Advance
- Vacuum Advance
- Vacuum Retard
I- High Energy Ignition
- Electronic Ignition

Exhaust Emission Control System
AI - Air Injection
EFI- Electronic Fuel Injection
EGR- Exhaust Gas Recirculation
EM - Engine Modifications
CAI- Catalyst Air Injection

EFE- Early Fuel Evaporation
FI - Fuel Injection
OC - Oxidation Catalyst
RC - Reduction Catalyst
TR - Thermal Reactor

ESAC-Electronic Spark Advance Control
PAI -Pulse Air Injection
*Service
I - Inspect, repair/replace as needed
R - Replace

Attachment to Supplemental Data Sheet - Engine Family B21FC1

Volvo Part No.	Item	Vendor No.	No. Location for Checking, and Notes
463694	Distributor	0 237 002 007	Stamped on side of aluminium body
463935	Air-fuel control unit	0 438 040 003	Not marked on assy. but consists of following two units:
None	Fuel distributor unit	0 438 100 005	On plate on side of body
None	Air metering unit	0 438 120 005	On plate on side of body, below fuel distributor unit
462863	Oxidizing catalyst	None	On Volvo label Engelhard catalyst with consecutive serial nos.
1219387	EGR Valve	PE 20192	Stamped on flat on casting Color coded yellow on top screw
464523	EGR valve	PE 20193	Stamped on flat on casting Color coded red on top screw