State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-1
Relating to Approval of New Motor Vehicles

VOLVO OF AMERICA CORPORATION

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;

IT IS ORDERED AND RESOLVED: That Volvo of America Corporation exhaust emission control systems for 1974 model year light-duty motor vehicles are approved for the engine families described below:

Engine Family B20FA

Engine Size 121 CID equipped with "CI" Fuel Injection and Exhaust Gas Recirculation.

Automatic and Manual transmission.

Model 142 (2 door sedan), 144 (4 door sedan) and 145 (station wagon).

Engine Family B30F

Engine Size 182 CID equipped with Electronically controlled Fuel Injection and Exhaust Gas Recirculation.

Automatic transmission only.

Model 164 (4 door sedan).

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for that vehicle for which approval has been granted by the Board.

The following are the recommended values to be listed on the decal:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
B20FA	3.1	30	2.0
B30F	2.2	16	1.7

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According to the California Assembly-Line Test Procedures for 1974 Model Light-Duty Gasoline Powered Vehicles, these values shall be in effect during the first calendar quarter of model production and not to exceed 30 days thereafter. Not more than one month after the first and each succeeding calendar quarter of production, the exhaust emissions shown on the window decal shall be the average quality audit values for the engine family of the previous calendar quarter of production.

Section B3 of the above procedure requires the manufacturer to submit to the Executive Officer before the start of the model-year, a list of the engine components and control systems affecting emissions to be functionally checked and the procedure for performing these checks.

In accordance with Section II E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the Air Resources Board of any production changes which will affect emissions.

Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

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

Executed at Sacramento, California, this 24 day of September, 1973.

JOHN A. MAGA
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles

MANUFACTURER: VOLVO OF AMERICA CORPORATION

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
142 and 144	121	None	M** and A	B20FA	3000	900 RPM in Neutral	10° BTDC @ 800 RPM in Neutral	1% CO
145					3500	800 RPM in Neutral		
164	182	None	A	B30F				

** M = Includes manual plus overdrive.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	Robert Bosch Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
142 (2-dr.sedan) 144 (4-dr.sedan) 145 (Sta.Wagon)	121	None	M** and A	0231178007	C	None	FI (1)	EGR	CC	
164 (4-dr.sedan)	182	None	A	0231301014	C & VR		FI (2)			

FI = Fuel Injection
FI (1) = Controlled by the air flow to the engine.
FI (2) = Electronically controlled.
EGR = Exhaust Gas Recirculation.
CC = Activated Charcoal Canister.
**M = Includes manual plus overdrive.

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

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