

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-17  
Relating to Certification of New Motor Vehicles

VOLVO CAR CORPORATION

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 Volvo Car Corporation exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
BWV130V6FM8	130 (2.1)	Three Way Catalyst with Closed Loop (Mechanical Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 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>
BWV130V6FM8	0.25	1.8	0.3

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

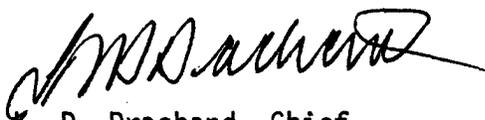
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Volvo Car Corporation has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 27<sup>th</sup> day of October, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volvo Car Corporation Executive Order No. A-18-17 Page 1

Engine Family BVV130V6FM8 Evaporative Family E2

ABBREVIATIONS Engine CID (Liters) 130 (2.1)

Ignition System

CA-Centrifugal Advance  
EEC-Electronic Engine Control  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
CL-Closed Loop  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
OC-Oxidation Catalyst System  
TR-Thermal Reactor  
TWC-Three Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
CFI-Central Fuel Injection  
DI-Diesel Injection  
EFI-Electronic Fuel Injection  
MFI-Mechanical Fuel Injection  
TC-Turbocharged

Fuel System

CFI, DI, EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Vehicle Models

Volvo 2 door sedan

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel  
 Manufacturer Volvo Car Corporation    Page 1A  
 Engine Family BVV130V6FM8    Engine Code \_\_\_\_\_  
 ECS (Special Features) TWC/CL (MFI)    CID (Liter)-Type 130(2.1) L-4

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight *	Ign. System ESAC Mfgr. Part No.	Fuel System MFI Mfgr. Part No.	EGR Valve Part No.	Label Ident. Part No.
BVV130V6FM8:1	DL 2-dr sedan	M4 M4+OD	3250	Chrysler 52.13065	Bosch Air/Fuel Control Unit	NA	1244897
BVV130V6FM8:2	DL 2-dr sedan	A3		VolvoPart No. 1306059	0 438 040 074 Volvo Part No. 1306542  Air Flow Sensor 0 438 120 125 Volvo Part No. 1317867  Fuel Dist. 0 438 100 073 Volvo Part No. 1306361		

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -