State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-34
Relating to Certification of New Motor Vehicles

VOLVO CAR CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1984 model-year Volvo Car Corporation exhaust emission control systems are certified as described below for diesel-powered passenger cars:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
EVV2.4D6JTC5	145 (2.4)	Exhaust Gas Recirculation (Diesel Injection - Prechamber) (Turbocharged)

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles".

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.41	7.0	1.0

The following are the certification emission values for this engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.38	1.3	0.8

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

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 6th day of February, 1984.

K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volvo Car Corporation

Executive Order No. A-18-34

Engine Family EVV2.4D6JTC5

Evaporative Family N.A.

Engine CID (Liters) 145 (2.4)

ABBREVIATIONS

Ignition System

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

Fuel System
CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

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 Valv
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

VEHICLE MODELS:

4 Dr. 760 GLE Turbo Diesel 4 speed automatic transmission with overdrive.

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

122182

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X Passenger Cars __ Light-Duty Trucks __ Medium-Duty Vehicles __ Gas X Diesel

Manufacturer Volvo Car Corporation

Page

Engine Family EVV2.4D6JTC5

Engine Code JTC5:2

ECS (Special Features) EGR, DIP (TC)

CID (Liter)-Type 145 (2.4) L-6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part N
	See Section 20 Page 20.09.00-1~~2~~						

C ents: 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 - December 1983

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Section 20.09.00.00 Parts List

Engine Family: EVV2.4 D6 JTC5

Fuel system

Fuel filter	Volvo P/N	1257200	Bosch P/N	0 450 133 015
Fuel pump				
manual transm	Volvo P/N	1328368	VW P/N	072 130 107 H
automatic "	Volvo P/N	1328369	VW P/N	072 130 107 J
Fuel injector				
assembly	Volvo P/N	1328209	Bosch P/N	0 432 217 109
spring holder	Volvo P/N	N/A	Bosch P/N	KCA 305 36/4
injector nozzle	Volvo P/N	N/A	Bosch P/N	DN 0 SD 1930

Turbocharger

Assembly	Volvo P/N	1328179	Garret	P/N 466088-1
Turbine	Volvo P/N	1328181	Garret	P/N 409853-18
Compressor housing	Volvo P/N	1328152	Garret	P/N 430730-1
Turbine housing with wastegate	Volvo P/N	1328193	Garret	P/N 410224-13

Crankcase emission control system

Back pressure valve	Volvo P/N	1328120	VV P/N	0 761 291 01A

Other

Glow plug	Volvo P/N	1257889	Bosch P/N	0 250 201 004 or
	or			0 250 201 015
	Volvo P/N	1257888	Beru P/N	0 100 221 105

Cont. Part Section 20.09.00.00

Engine Family : EVV2 4D6JTC5

Emission Control System

EGR-valve	Volvo P/N: 1 328 051
EGR-control unit	Volvo P/N: 1 257 971
Solenoid valve	Volvo P/N: 1 332 347
Thermo Valve	Volvo P/N: 1 257 981
Time Relay	Volvo P/N: 1 348 294

Section 08.13.00 Vehicle Road Load

Engine family: EVV2.4 D6 JTF8

Model	Test weight lbs	Tires	A/C	Coast down time	Dyno HP
760 GLE	3500	Pirelli P8 185/65 R15	Yes	14.7	9.5