State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-40
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 1985 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)
FVV2.4D6JNF2	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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile	Particulates Grams per Mile
0.41	7.0	1.0	0.4

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	Particulates Grams per Mile
0.21	1.5	0.8	0.3

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 2nd day of November, 1984

K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volvo Car Corporation

Executive Order No. A-18-40

Engine Family FVV2.4D6JNF2

Evaporative Family NA

Engine CID (Liters) 2.4 Liter

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-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 Valve
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

VEHICLE MODELS:

Model	Body	Trans	ETW	RLHp
760 GLE Turbo Diesel	4-door	L4	3500	9.5

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

122182

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

Manufacturer Volvo Car Corporation

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Engine Family FVV2.4D6JNF2

Engine Code JNF2:2

ECS (Special Features) (DIP) EGR, EM, (TC)

CID (Liter)-Type 2.4 Liter

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 No.
JNF2:2	760 GLE Turbo Diesel	L4	3500		Fuel Filter 1257200 Fuel Pump 1328692 Fuel Injector 1328209	EGR Valve 1328051	Vacuum Hose Label 1345405 Tune Up Label

ments: 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 -

071080

VOLVO

E.O. # A-18-40

Eng. Fam. FVV2.4D6JNF2

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

1984-06-14