State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-38
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 gasoline-powered passenger cars:

Engine Family	Displacement Cubic Inches	(Liters)	Exhaust Emission Control Systems (Special Features)
FVV2.1V6FFT3	130	(2.1)	Three-Way Catalyst with Closed Loop (Mechanical Fuel Injection) (Turbocharged) (Intercooled)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification 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	0.7

The following are the certification emission values for th above engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.14	2.6	0.6

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 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 21st day of August, 1984.

K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volvo Car Corporation

Executive Order No. A-18-38

Engine Family FVV2.1V6FFT3

Evaporative Family E2

Engine CID (Liters) 130 (2.1)

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:

	Car Line :
Volvo GLT 4-Dr Sedan	Turbo
Volvo GLT 4-Dr Wagon	Turbo Wagon

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

122182

E.O. #A-18-38

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Volvo Car Corporation Page 2

Engine Family FVV2.1V6FFT3 Engine Code

ECS (Special Features) CA, MFI, CL, TWC, TC, IC CID (Liter)-Type 2.1 Liter, I-4

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.
FFT2:1	GLT	M5	3250 3375 3500	Spark Plugs: Volvo 1276728	AIR FUEL CONTROL UNIT	Not Applicable	Tune Up Label:
FFT2:2	GLT	A4		Bosch WR 7 DS			Volvo
				Distribution Assembly	VOLVO: 1317901		1313607
				Volvo 1276703	BOSCH: 0438040102		
				Bosch 0237003024			
				Electronic Control Unit			
				Volvo 1266714			
				Bosch 0227018			

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

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

te of Issue -

080

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Volvo Car Corporation Executive Order No. A-18-38

Engine Family: FVV2.1V6FFT3

PAGE 3

Model	Body	Trans	ETW	RLHP
Turbo	4 Door	A3+OD	3375	10.3
		M4+OD	3375	10.3
	5 Door	A3+OD	3500	11.0
		M4+OD	3500	11.0

6/12/84
JB:cmr