

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-64  
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 1992 model Volvo Car Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: NVV2.3V5FE82 Displacement: 2.3 Liters (141 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalyst
- Heated Oxygen Sensor
- Exhaust Gas Recirculation
- Multipoint Electronic Fuel Injection

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

The emission standards for this engine family in grams per mile are as follows:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0.41	7.0	0.4

The certification emission values for this engine family in grams per mile are as follows:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0.18	1.4	0.2

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

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 high-altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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 29<sup>th</sup> day of August, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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Manufacturer Volvo Car Corp Engine Family NVV2.3V5FE82

Pass Car X Lt-Duty Truck      Med-Duty Vehicle      Fuel Type Gasoline

Engine Config. I-4 Liter (CID) 2.3 (141) Evaporative Family E3, E2

Exhaust ECS & Special Features (incl. CARB, MPI, etc.) MPI, HO2S, TWC, EGR  
(Use abbreviations per SAE J1930 Jun88)

Engine: Front X Mid.      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT     

Eng. Code/ (Cert. Std.)	Veh. Models (If Coded see Attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP	Ign.Sys. (PCME/PROM) Part No.	EGR Syst. Part No.	Catalyst Part No.
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FE82:1	240 Sedan Wagon	M M47 M47	3250 3375	9.3 10.0	0227400162	72040111 or 72040121	3501957
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FE82:2	240 Sedan Wagon	A AW70 AW70	3375 3500	9.1 10.0	"	72040311 or 72040321	"
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FE82:3	740 Sedan Wagon	M M47 M47	3375 3500	7.7 8.5	"	72040111 or 72040121	1389966
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FE82:4	740 Sedan Wagon	A AW70L AW70L	3375 3500	7.7 8.2	"	72040311 or 72040321	"
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	940 Sedan	A AW70L	3500	7.1	"	"	"
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Revisions:  
1290