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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-14
Relating to Certification of New Motor Vehicles

AB VOLVO, CAR DIVISION

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 AB Volvo, Car Division exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
6C	174	Three Way Catalyst 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 1980 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
6C	0.30	6.4	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 except Motorcycles".

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That AB Volvo, Car Division 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 2nd day of November, 1979.

K. D. Drachand by RH

K. D. Drachand, Acting Chief
Mobile Source Control Division

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Engine Family 6C Engine (CID) 174

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
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst
PAI-Pulse Air Injection
TR-Thermal Reactor
TWC-Three Way Catalyst

Special Features
CCAV-Combustion Chamber Air Valve
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbo Charged

Engine Code	Model
6C:1	Coupe 2-dr Sedan
6C:2	GLE 4-dr Sedan
	GLE 4-dr Wagon

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(X) Passenger Cars ( ) Light-Duty Trucks ( ) Medium-Duty Vehicles (XX) Gas ( ) Diesel

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Engine Family 6C CID-Type 174-V6 Engine Code

ECS (Special Features) TWC (MFI) + 10% (A/C) Yes X No

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA, VA, EI Distributor Part No.	Fuel System MFI Part No.	EGR Valve Part No.	Label Ident.
6C:1 6C:2	Coupe 2-dr Sedan	M5 A3	(3500) 3375	Bosch 0 237 402 017 1269380	Bosch Air/Fuel Control Unit 0 438 060 032 1269549 Air Flow Sensor 0 438 120 056 1269146 Fuel Distri- butor 0 438 100 076 1269484		See Page 3
	GLE 4-dr Sedan	A3					
	GLE 4-dr Sedan	M5	(3500) 3500				
	GLE 4-dr Wagon	A3					
	GLE 4-dr Wagon	M5	(3500) 3625				

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, equipment and inertia weight class.

Date of Issue -

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VEHICLE EMISSION CONTROL INFORMATION

MANUFACTURER: VOLVO, SWEDEN ENGINE DISPLACEMENT: 174 CU IN

EVAPORATIVE FAMILY: E2 ENGINE FAMILY: 6C

EXHAUST EMISSION CONTROL SYSTEM: MFI, OXYGEN SENSOR, TWC

TUNE-UP SPECIFICATIONS WITH NO ACCESSORIES IN OPERATION AND TRANSMISSION IN NEUTRAL

ITEM	CONDITIONS	SPECIFICATIONS
IGNITION TIMING	IDLE RPM ADJUSTED TO 750 ± 50 VACUUM HOSES DISCONNECTED	10° ± 2° BTDC
IDLE AIR-FUEL MIXTURE	OXYGEN SENSOR DISCONNECTED IDLE RPM ADJUSTED TO 950 CO SAMPLED FROM TAPS UPSTREAM OF CATALYST VACUUM HOSES CONNECTED	IDLE CO: 1.0 ± 0.3 % (FOR EACH BANK)
IDLE RPM	OXYGEN SENSOR CONNECTED	950 ± 50 RPM
VALVE LASH	COLD ENGINE	INLET 0.008-0.010 INCHES EXHAUST 0.012-0.014 INCHES

THIS VEHICLE CONFORMS TO US EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW LIGHT DUTY VEHICLES.
COMPLIANCE DEMONSTRATED BELOW 4000 FEET.

VOLVO 1304441

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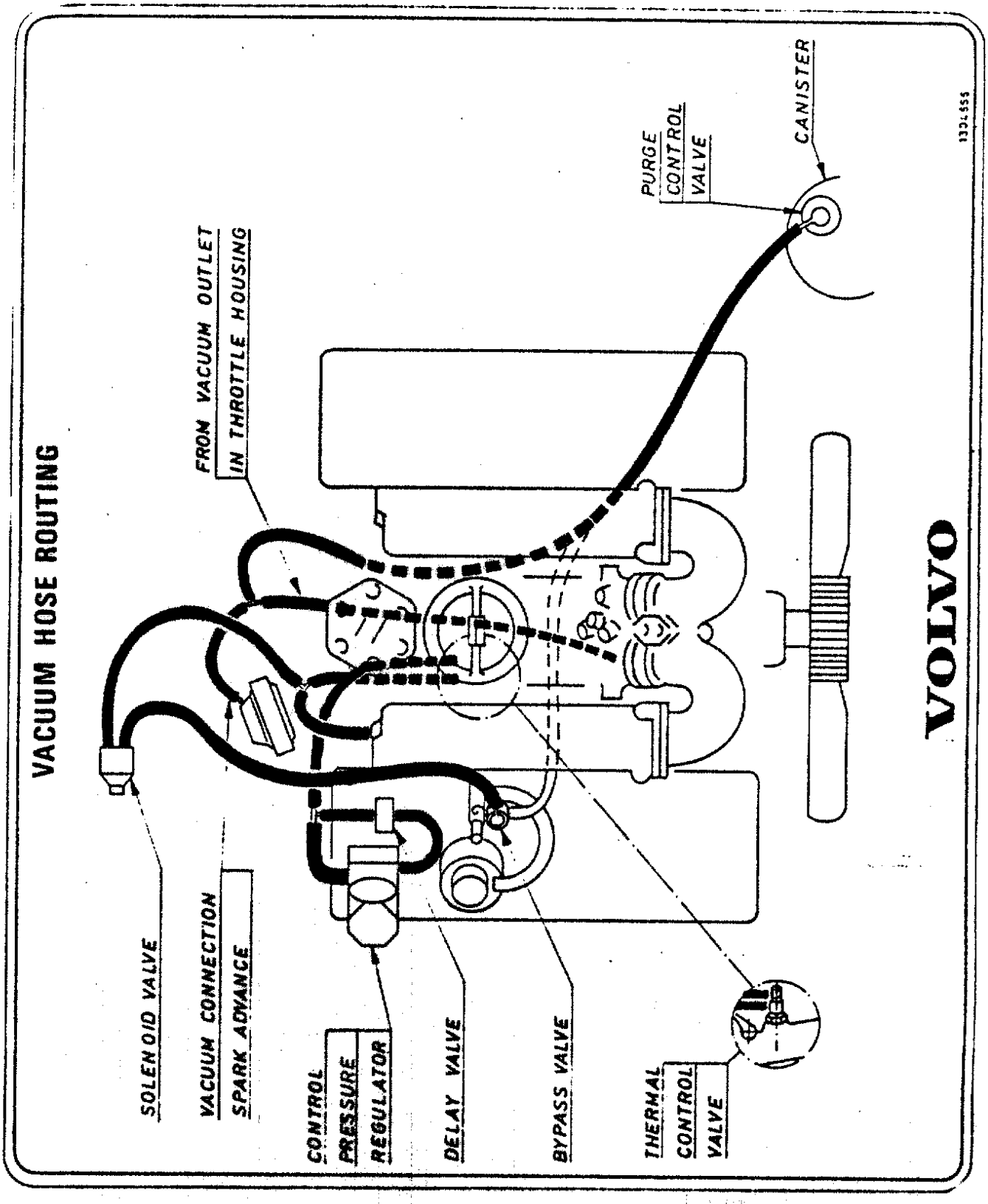
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