State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-13 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)		
4 C	130	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		trogen Ox ams per M	
4C	0.26	3.8	•	0.6	Ψ.

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 A B 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 2 nd day of November, 1979.

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

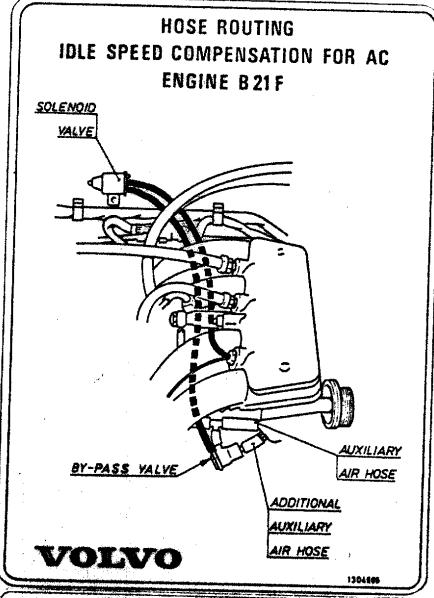
1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer <u>AB Volvo</u>	Executive Order No. A-18-13	Page 1
Engine Family 4C	Engine (CID) 130	-
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 Model	

DL, GT 2-dr Sedan DL, GL 4-dr Sedan DL 4-dr Wagon

4C:1 4C:2 Manufacturer AB Volyo, Car Division

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VEHICLE EMISSION CONTROL INFORMATION

MANUFACTURER: YOLYO, SWEDEN

ENGINE DISPLACEMENT: 130 CU IN

0015-0.018 INCHES

EVAPORATIVE FAMILY EZ EXHAUST EMISSION CONTROL SYSTEM

ENGINE FAMILY: 40

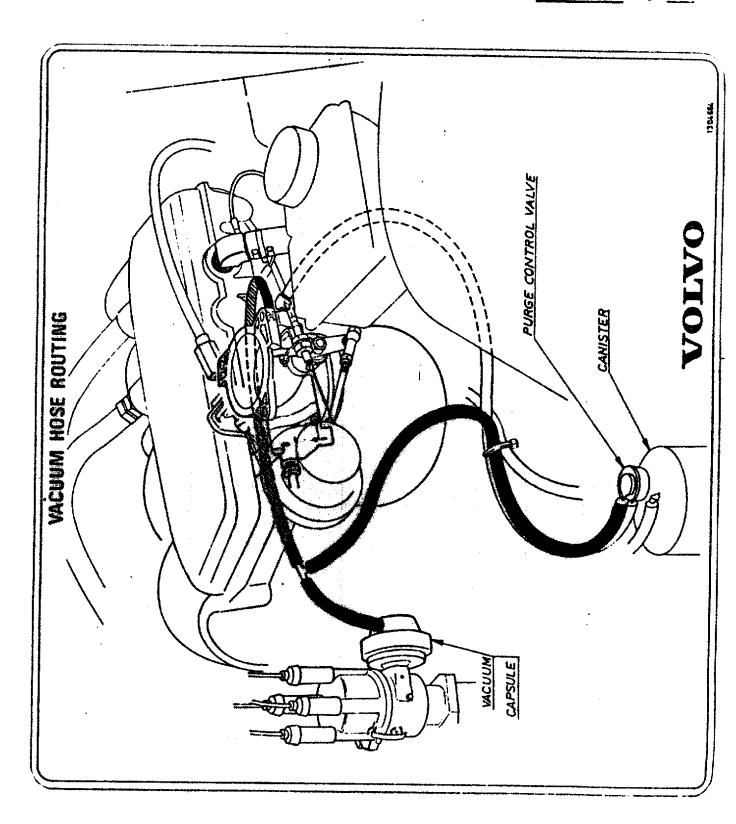
яен	E-UP SPECIFICATIONS WITH NO ACCESSORIES IN OPERATION AND TRANSMISSI CONDITIONS SPECIFICATION	
IGNITION TIMING	WALLERPM ADJUSTED TO 750 ± 50 VACUUM HOSES DISCONNECTED	8°±2° BTDC
IDLE AIR-FUEL MIXTURE	OXYGEN SENSOR DISCONNECTED IDLE RPM ADJUSTED TO 950 CO SAMPLED FROM TAP UPSTREAM OF CATALYST VACUUM HOSES CONNECTED	IDLE CO: 2.0+0.5 %
IDLE RPM	OXYGEN SENSOR CONNECTED	950 ± 50 RPM
VALVE LASH	WARM ENGINE	0015-0018 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

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XX Passe	nger Cars 🗌 Light	-Duty Tr	rucks	☐ Medium-Duty	Vehicles 🗌	Gas 🔘 D	iesel
Manuf	acturer AB Volvo,	Car Div	ision	<u> </u>		Page 2	
Engine Family 4C			CID-TypeT	30-14	Engine Code		
ECS (Special Features) 1	WC (MFI)	+	10% (A/C)	Yes X N	lo
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	Label Ident.
4C:1 4C:2	DL 2-dr Sedan GT 2-dr Sedan	M4 M5 A3	(3000) 3250	Bosch 0 237 002 039 1276403	Bosch Air/Fuel Control Unit O 438 040 079	Antal Angelin, and Angelin Ang	See Page 3
	DL 4-dr Sedan	A3 M4			1306148 Air Flow	·	
	GL 4-dr Sedan	M5 A3	(3500) 3375		Sensor 0 438 120 078 1266807	3 .	
	DL 4-dr Sedan (w/sunroof)	A3			Fuel Distributor O 438 100 073		
	DL 4-dr Sedan	M5			1306361	·	
	DL 4-dr Wagon	M4					
		M5 A3	(3500) 3500				
		i					
			<u> </u>	<u> </u>	<u> </u>	<u> </u>	

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.

