

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-18-2  
Relating to Approval of New Motor Vehicles

A.B. VOLVO, CAR DIVISION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code and Executive Order G-45-1;

IT IS ORDERED AND RESOLVED: That A.B. Volvo, Car Division exhaust emission control systems for 1975 model-year passenger cars are approved for the engine families described below:

Engine Family: B20-FC  
Engine: 121 CID

Exhaust Emission Control Systems: Fuel injection, air injection, exhaust gas recirculation, oxidation catalyst

Models:  
Manual Transmission  
242, 244, 245 (4 speed)  
242, 244 (4 speed plus overdrive)

Automatic Transmission  
242, 244, 245 (3 speed)

Engine Family: B30-FC  
Engine: 182 CID

Exhaust Emission Control Systems: Electronic fuel injection, air injection, exhaust gas recirculation, oxidation catalyst

Models:  
Manual Transmission  
164 (4 speed and overdrive)

Automatic Transmission  
164 (3 speed)

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1975 model vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
B20-FC	0.5	6.8	1.6
B30-FC	0.5	3.2	1.4

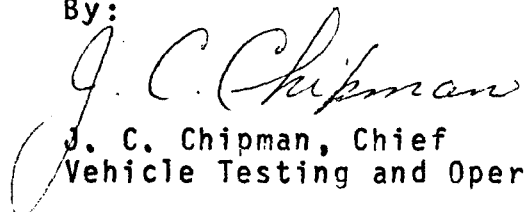
Vehicles approved under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 25<sup>th</sup> day of September, 1974.

G. C. Hass, Chief  
Division of Vehicle Emissions Control.

By:

  
J. C. Chipman, Chief  
Vehicle Testing and Operations

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AIR RESOLUTION  
SUPPLEMENTAL INFORMATION  
1975 MODEL YEAR

PASSENGER CARS  LIGHT-DUTY TRUCKS  EXECUTIVE ORDER NO. A-18-2

MANUFACTURER: A.B. Volvo, Car Division

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans	Inertia Weight	Distributor		Fuel System		Emission Control System			Tune-up Specifications	Basic Timing	Idle Mixture
					Type	Mfr. Part No.	Type	Mfr. Part No.	Type	OC <input checked="" type="checkbox"/>	TR <input type="checkbox"/>			
B20FC	242	121	M/T4 M/T5 A/T3	3000	C VR	See Enclosed Sheet	FI	See Enclosed Sheet	FI, AI, EGR, OC, CAN	462863	See Enclosed Sheet	900 RPM (Manual Trans- mission) in Neutral (Automatic Trans- mission) in Neutral	5° BTDC or 10° BTDC Vacuum Discom- ected	1.0 to 1.5% CO Air Injection discom- ected
	244													
	245		M/T4 A/T3	3500									(1) The 10° BTDC basic timing shall only be used on those vehicles equipped with distributors having part numbers 1218671 and 1218672	

Abbreviations:

Distributor Exhaust Emission Control System

C - Centrifugal Advance AI - Air Injection

V - Vacuum Advance EFT - Electronic Fuel Injection

VR - Vacuum Retard EGR - Exhaust Gas Recirculation

EM - Engine Modifications FI - Fuel Injection

OC - Oxidation Catalyst RC - Reduction Catalyst

TR - Thermal Reactor

Evaporative Control System  
CAN - Charcoal Canister Storage  
TS - Tank Storage

\*Service  
I - Inspect, repair/replace as needed  
R - Replace

Attachment to Page 1-1 of  
Volvo Supplemental Data Sheet

<u>Part</u>	<u>Volvo Part Number</u>	<u>Vendor Part Number</u>
Distributor (Manual Trans)	462896	0 237 002 002
Distributor (Auto Trans)	462762	0 237 002 003
Distributor (Manual Trans)	1218671	0 237 002 008
Distributor (Auto Trans)	1218672	0 237 002 009
Fuel Injection System	462861	
Fuel Distributor		0 438 100 005
Air Metering		0 438 120 003
Air Metering		0 438 120 013
EGR Valve	1218504	5666

4/29/75

ATR RESOURCES BOARD  
SUPPLEMENTAL INFORMATION

1975 MODEL YEAR

PASSENGER CARS

LIGHT-DUTY TRUCKS

Rev. 4/29/75

MANUFACTURER: A.B. Volvo. Car Division

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Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertia Weight	Distributor		Fuel System		Emission Control System		Tune-up Specifications	Basic Timing	Idle Mixture		
					Type	Mfgr. Part No.	Type	Mfgr. Part No.	Type	Part No. Service*				EGR Part No. Service*	
B30FC	164	182	M/T5 A/T3	3500	C	VR	See Enclosed Sheet	EFI	See Enclosed Sheet	EFI AI, EGR, OC, CAN	462863	See Enclosed Sheet	900 RPM (Manual transmission in Neutral) (Automatic Transmission) in Neutral	10° BTDC Vacuum Disconnected	1.0 to 1.5% CO Air Injection Disconnected

Abbreviations:

Distributor

C - Centrifugal Advance

V - Vacuum Advance

VR - Vacuum Retard

Exhaust Emission Control System

AI - Air Injection

EFI - Electronic Fuel Injection

EGR - Exhaust Gas Recirculation

EM - Engine Modifications

FI - Fuel Injection

OC - Oxidation Catalyst

RC - Reduction Catalyst

TR - Thermal Reactor

Evaporative Control System

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TS - Tank Storage

\*Service

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Attachment to Page 1A of  
Volvo Supplemental Data Sheet

<u>Part</u>	<u>Volvo Part Number</u>	<u>Vendor Part Number</u>
Distributor	461567	0 237 300 001
Electronic Fuel Injection Control Unit	461503	0 280 001 017
EGR Valve (Auto Trans)	462581	4227
EGR Valve (Manual Trans)	462582	4248

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PASSENGER CARS
  LIGHT-DUTY TRUCKS

MANUFACTURER: Volvo

EXECUTIVE ORDER NO. A-18-2

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Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertia Weight	Distributor		Fuel System		Emission Control System			Idle RPM	Basic Timing	Idle Mixture
					Type	Mfr. Part No.	Type	Mfr. Part No.	Type	Part No. Service*	EGR Part No. Service*			
B20FC	242	121	M4	3000	C+ V+ VR	462896	F1	462861	FI+ AI+ EGR+ OC	462863	1218504	900	5° BTDC	1.0-1.5 idle CO*
			M5	"	"	"	"	"	"	"	"	"	"	"
			A3	"	"	462762	"	"	"	"	"	850	"	"
	244		M4	"	"	462896	"	"	"	"	"	900	"	"
			M5	"	"	"	"	"	"	"	"	"	"	"
			M4	"	"	"	"	"	"	"	"	850	"	"
	245		M4	3500	"	462896	"	"	"	"	"	900	"	"
			A3	"	"	462762	"	"	"	"	"	850	"	"
B30FC	164	182	A3	3500	C+ V+ VR	461567	EFI	Control unit 461503	EFI+ AI+ EGR+ OC	462863	462581	800	10° BTDC	1.0-1.5 idle CO*
			M5	"	"	"	"	"	"	"	462582	900	"	"

Abbreviations:

Distributor

C - Centrifugal Advance

V - Vacuum Advance

VR - Vacuum Retard

Exhaust Emission Control System

AI - Air Injection

FI - Electronic Fuel Injection

EGR - Exhaust Gas Recirculation

EM - Engine Modifications

\*AI Disconnected

Evaporative Control System

CAV - Charcoal Canister Storage

IS - Tank Storage

\*Service

I - Inspect, repair/replace as needed

R - Replace