E.O. Book

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)

A.B. VOLVO, CAR DIVISION EXECUTIVE ORDER A-18-2

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

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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 25th day of September, 1974.

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

By:

J. C. Chipman

J. C. Chipman, Chief
Vehicle Testing and Operations

AIR RESOU[illegible]S BOARD
SUPPLEMENTAL INFORMATION
1975 MODEL YEAR

[X] PASSENGER CARS [ ] LIGHT-DUTY TRUCKS Rev. (4-29-75)

MANUFACTURER: A.B. Volvo, Car Division EXECUTIVE ORDER NO. A-18-2 PAGE NO. 1-1

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans	Inertia Weight	Distributor Type	Distributor Mfgr. Part No.	Fuel System Type	Fuel System Mfgr. Part No.	Emission Control System Type	Emission Control System [X] OC [ ] TR Part No. Service*	Emission Control System EGR Part No. Service*	Tune-up Specifications Idle RPM	Tune-up Specifications Basic Timing	Tune-up Specifications Idle Mixture
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 Transmission) in Neutral 850 RPM (Automatic Transmission) in Neutral	5° BTDC or (1) 10° BTDC Vacuum Disconnected	1.0 to 1.5% CO Air Injection disconnected
	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
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
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

Part	Volvo Part Number	Vendor Part Number
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

AIR RESOU[illegible]S BOARD
SUPPLEMENTAL INFORMATION
1975 MODEL YEAR

[X] PASSENGER CARS [ ] LIGHT-DUTY TRUCKS Rev. 4/29/75

ANUFACTURER: A.B. Volvo. Car Division EXECUTIVE ORDER NO. A-18-2 PAGE NO. 1A

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertia Weight	Distributor Type	Distributor Mfgr. Part No.	Fuel System Type	Fuel System Mfgr. Part No.	Emission Control System Type	Emission Control System [X] OC [ ] TR Part No. Service*	Emission Control System EGR Part No. Service*	Tune-up Specifications Idle RPM	Tune-up Specifications Basic Timing	Tune-up Specifications Idle Mixture
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) 800 RPM (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
CAN- Charcoal Canister Storage
TS - Tank Storage

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

Attachment to Page 1A of
Volvo Supplemental Data Sheet

Part	Volvo Part Number	Vendor Part Number
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

4/29/75

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1975 MODEL YEAR

[x] PASSENGER CARS [ ] LIGHT-DUTY TRUCKS

MANUFACTURER: Volvo

EXECUTIVE ORDER NO. A-18-2 PAGE NO. 1

Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans.	Inertia Weight	Distributor Type	Distributor Mfgr. Part No.	Fuel System Type	Fuel System Mfgr. Part No.	Emission Control System Type	Emission Control System [X] OC [ ] TR Part No. Service*	Emission Control System EGR Part No. Service*	Tune-up Specifications Idle RPM	Tune-up Specifications Basic Timing	Tune-up Specifications Idle Mixture
B20FC	242	121	M4	3000	C+ V+ VR	462896	FI	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	"	"	"	"	"	"	"	"	"	"	"
			A3	"	"	"	"	"	"	"	"	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	"	"

*AI 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
CAN- Charcoal Canister Storage
TS - Tank Storage

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