

**Volvo 240/740/760/780/940/960 1990-1998**

**VACUUM DIAGRAMS**

See Figures 1, 2, 3, 4, 5, 6, 7, 8 and 9

Following are vacuum diagrams for most of the engine and emissions package combinations covered by this guide. Because vacuum circuits will vary based on various engine and vehicle options, always refer first to the vehicle emission control information label, if present. Should the label be missing, or should the vehicle be equipped with a different engine from the vehicle's original equipment, refer to the diagrams below for the same or similar configuration.

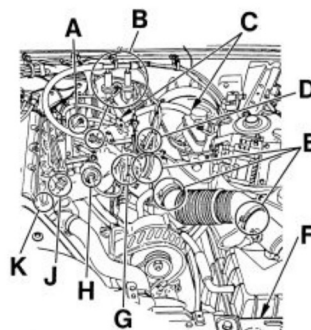
If you wish to obtain a replacement emissions label, most manufacturers make the labels available for purchase. The labels can usually be ordered from a local dealer.



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Fig. Fig. 1: The vacuum diagram label on the underside of the hood

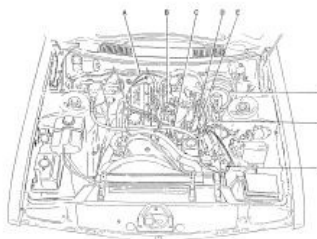
A. Pressure sensor	P. Camshaft
B. Cruise valve	Q. Throttle housing
C. Brake servo	R. Exhaust regulator
D. Carburetor vacuum	S. Regulator and air filter bypass
E. Intake manifold	T. Reverse idler pin and engine track



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Fig. Fig. 2: Vacuum connection points-1990-92 700 series with Regina fuel injection system

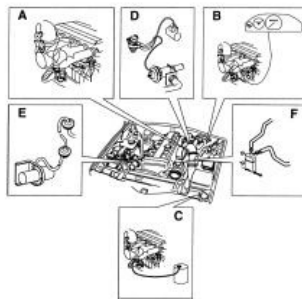
A	Manifold hose, crankcase ventilation	E	Pressure air hose
B	Manifold hose, A/C and	F	A/C valve
C	hoses to power brake booster	G	Pressure regulator
D	Crackcase vent hose	H	brakes



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Fig. Fig. 3: Vacuum connection points-1990-93 240 Series, 1990-92 700 Series, 1991 Coupe, and 1991-95 940 Series equipped with LH-Jetronic 2.4 or 3.1 fuel injection system

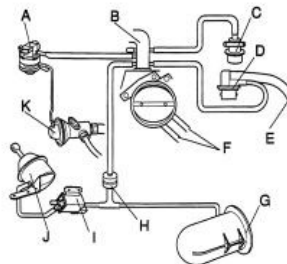
A	Pressure regulator, IAC valve
B	Brake servo
C	EVAP system
D	ECR system (optional models only)
E	Air purge system (optional models only)
F	Crackcase ventilation



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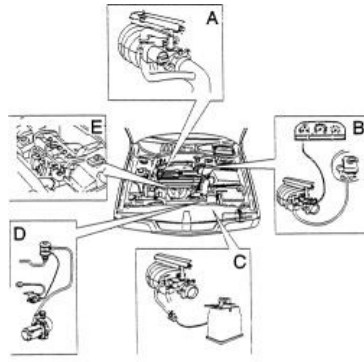
Fig. Fig. 4: Vacuum controlled components-1991-95 960 Series equipped with Motronic 1.8 fuel injection system

A	ECR controller	D	Manifold restrictor
B	A/C valve controller	E	Non return valve
C	Fuel pressure regulator	F	N-VIS solenoid valve
G	Crackcase ventilation system	H	N-VIS vacuum solenoid
I	Oil trap hose	K	AUX valve
J	EVAP system hoses		



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Fig. Fig. 5: Vacuum diagram-1993-95 850 Series equipped with LH-Jetronic 3.2 fuel injection system

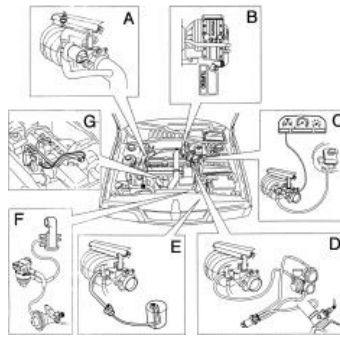


- A) IAC Valve System
- B) Brake Booster
- C) EVAP System
- D) Air Pump System
- E) PCV System

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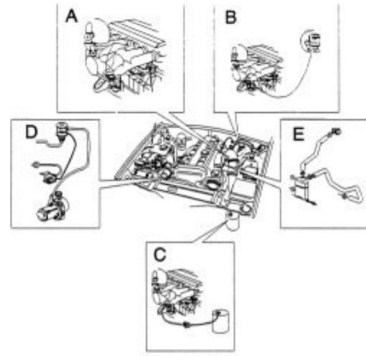
Fig. Fig. 6: Vacuum controlled components-1994-95 850 Series with non-turbo engines equipped with Motronic 4.3 fuel injection system

A.	IAC valve system operation
B.	Brake Charge Air Control (BCAC)
C.	Combined Instrument
D.	EVAP system
E.	EVAP system
F.	EVAP system
G.	Combined Instrument



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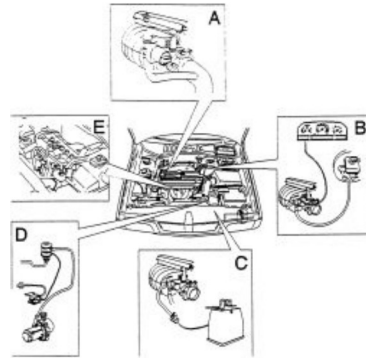
Fig. Fig. 7: Vacuum controlled components-1994-95 850 Series with turbo engines equipped with Motronic 4.3 fuel injection system



- A) IAC System
- B) Power Brake Booster
- C) EVAP System
- D) Air Pump System
- E) PCV System

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Fig. Fig. 8: Vacuum controlled components-1996-98 960/S90/V90 models with Motronic 4.4 fuel injection system



- A) IAC System
- B) Power Brake Booster
- C) EVAP System
- D) Air Pump System
- E) PCV System

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Fig. Fig. 9: Vacuum controlled components-1996-98 850/C70/S70/V70 models with Motronic 4.4 fuel injection system



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