ELECTRICAL COMPONENT LOCATOR

1995 Volvo 850

1995 ELECTRICAL COMPONENT LOCATION Volvo Electrical Components

850

SAFETY PRECAUTION

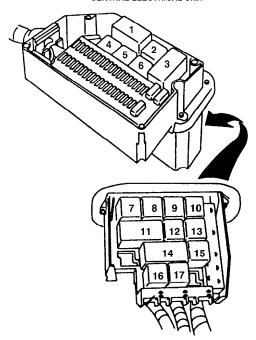
WARNING: When working on vehicles equipped with Supplemental Restraint System (SRS), never apply electrical voltage to the system. This could cause the SRS (air bag) to be

deployed.

BUZZERS, RELAYS & TIMERS

Component	Component Location
ABS Combination Relay	Above ABS control module, near brake master cylinder.
A/C Relay	Behind glove compartment.

CENTRAL ELECTRICAL UNIT



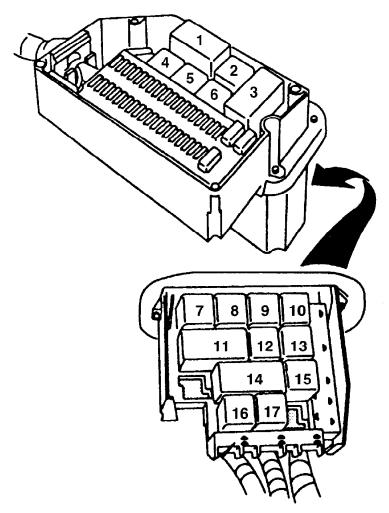
- Cruise Control Module
- Fuel Pump Relay Main Headlamp Relay With Bulb Malfunction Indicator

- Mann Readiamp Relay W
 Overload Relay (X)
 Overload Relay (15)
 Overload Relay (X)
 Fog Lamp Relay
 Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)
- 10. Intermittent Wiper Relay (Rear)
- 10. intermittent wiper Heiay (Hear)
 11. Central Locking & Delayed Inside Lighting Relay
 12. Speed Warning Or Exhaust Temperature Sensor Relay
 13. Heated Rear Window & Door Mirrors Relay
 14. Anti-Theft Alarm Module Relay
 15. Seat Relationary (Washing Relay)
 16. Seat Relationary (Washing Relay)
 17. Seat Relationary (Washing Relay)
 18. Seat Relationary (Washing Relay)
 18. Seat Relationary (Washing Relationary)
 19. Seat Relationary (Washing Relationary)

- 15. Seat Belt Reminder/Key Warning Relay16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

Anti-Theft Alarm Module Relay

On central electric unit, position No. 14.

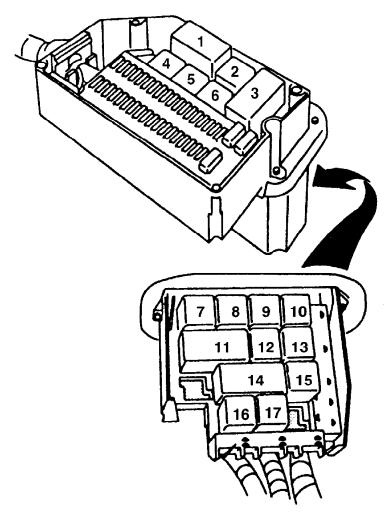


- 1. Cruise Control Module
- 2. Fuel Pump Relay
- 3. Main Headlamp Relay With Bulb Malfunction Indicator
- 4. Overload Relay (X)
- 5. Overload Relay (15)
- 6. Overload Relay (X)
- 7. Fog Lamp Relay
- 8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- 10. Intermittent Wiper Relay (Rear)
- 11. Central Locking & Delayed Inside Lighting Relay
- 12. Speed Warning Or Exhaust Temperature Sensor Relay
- 13. Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge
- 17. Heated Rear Seat Relay

96H03747 Central Locking & Delayed Inside Lighting Relay

On central electric unit, position No. 11.



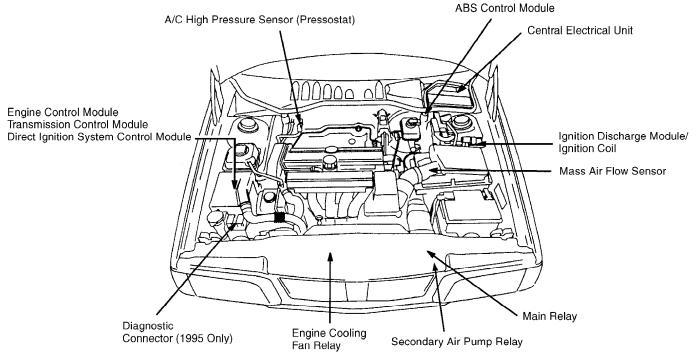
- 1. Cruise Control Module
- Fuel Pump Relay
 Main Headlamp Relay With Bulb Malfunction Indicator
- Overload Relay (X)
 Overload Relay (15)
 Overload Relay (X)

- 7. Fog Lamp Relay8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- Intermittent Wiper Relay (Rear)
 Central Locking & Delayed Inside Lighting Relay
 Speed Warning Or Exhaust Temperature Sensor Relay
 Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

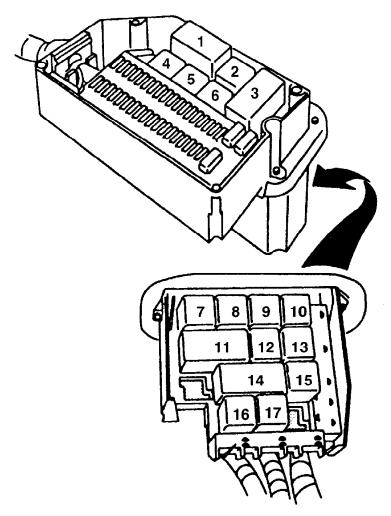
96H03747 Deadlock Setting Relay

On central electric unit, position No. 8.



96A03744 Engine Cooling Fan Relay

On top right of radiator shroud.



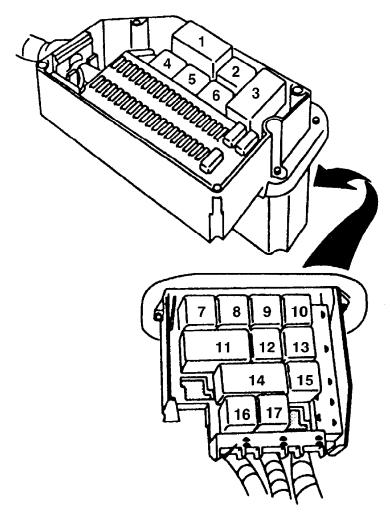
- 1. Cruise Control Module
- Fuel Pump Relay
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- Overload Relay (X)
 Overload Relay (15)
 Overload Relay (X)

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 13. Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747 Fog Lamp Relay

On central electric unit, position No 7.



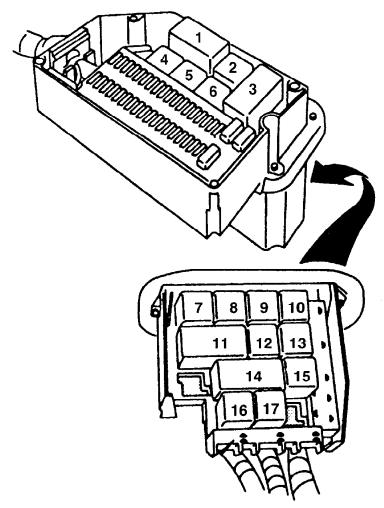
- 1. Cruise Control Module
- Fuel Pump Relay
 Main Headlamp Relay With Bulb Malfunction Indicator
- Overload Relay (X)
 Overload Relay (15)
 Overload Relay (X)

- 7. Fog Lamp Relay8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- Intermittent Wiper Relay (Rear)
 Central Locking & Delayed Inside Lighting Relay
 Speed Warning Or Exhaust Temperature Sensor Relay
 Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747 Fuel Pump Relay

On central electric unit, position No 2.



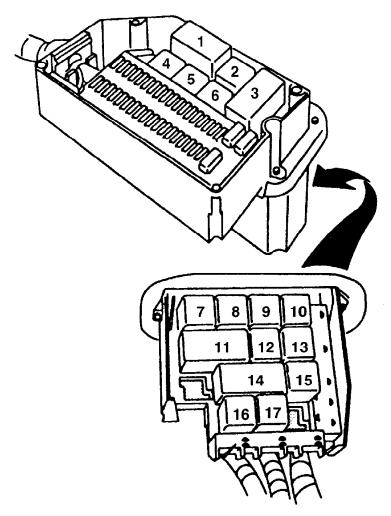
- 1. Cruise Control Module
- Fuel Pump Relay
 Main Headlamp Relay With Bulb Malfunction Indicator
- Overload Relay (X)
 Overload Relay (15)
 Overload Relay (X)

- 7. Fog Lamp Relay8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- Intermittent Wiper Relay (Rear)
 Central Locking & Delayed Inside Lighting Relay
 Speed Warning Or Exhaust Temperature Sensor Relay
 Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747 Heated Rear Seat Relay

On central electric unit, position No. 17.

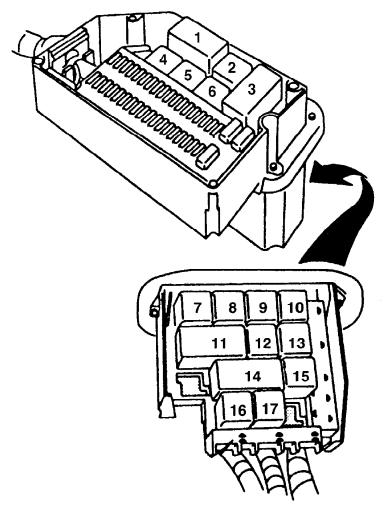


- 1. Cruise Control Module
- 2. Fuel Pump Relay
- 3. Main Headlamp Relay With Bulb Malfunction Indicator
- Overload Relay (X)
 Overload Relay (15)
- 6. Overload Relay (X)
- 7. Fog Lamp Relay8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- 10. Intermittent Wiper Relay (Rear)
- 11. Central Locking & Delayed Inside Lighting Relay
 12. Speed Warning Or Exhaust Temperature Sensor Relay
 13. Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747 Heated Rear Window & Door Mirrors Relay

On central electric unit, position No. 13.



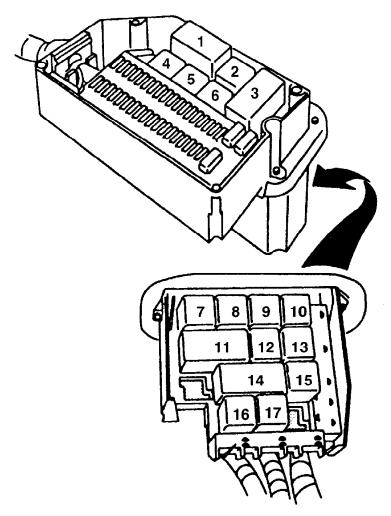
- 1. Cruise Control Module
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- Overload Relay (X)
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- 10. Intermittent Wiper Relay (Rear)
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- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747
Intermittent Wiper Relay (Front)

On central electric unit, position No. 9.



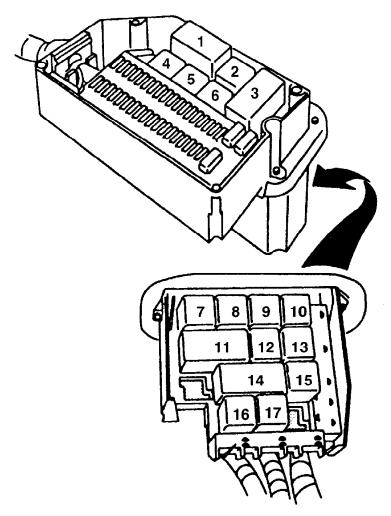
- 1. Cruise Control Module
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- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge17. Heated Rear Seat Relay

96H03747
Intermittent Wiper Relay (Rear)

On central electric unit, position No. 10.

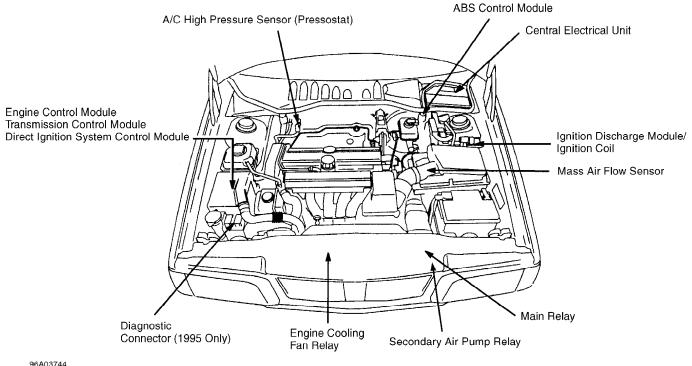


- 1. Cruise Control Module
- 2. Fuel Pump Relay
- 3. Main Headlamp Relay With Bulb Malfunction Indicator
- Overload Relay (X)
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- 6. Overload Relay (X)
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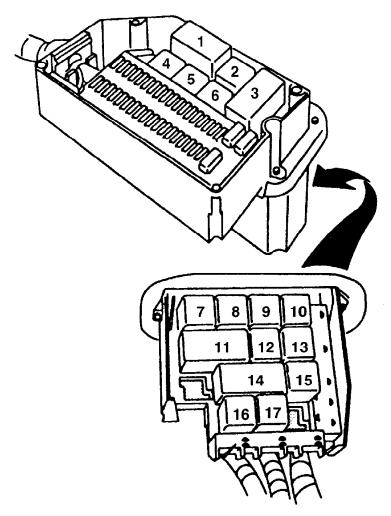
96H03747 Main Headlamp Relay With Bulb Malfunction Indicator

On central electric unit, position No. 3.



96A03744 Main Relay

On top left of radiator shroud.



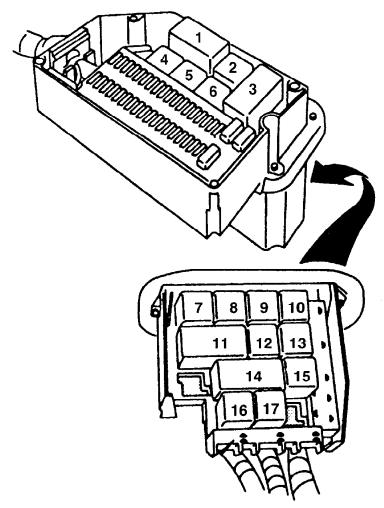
- 1. Cruise Control Module
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96H03747 Overload Relays (3)

On central electric unit, positions No. 4, 5 & 6.

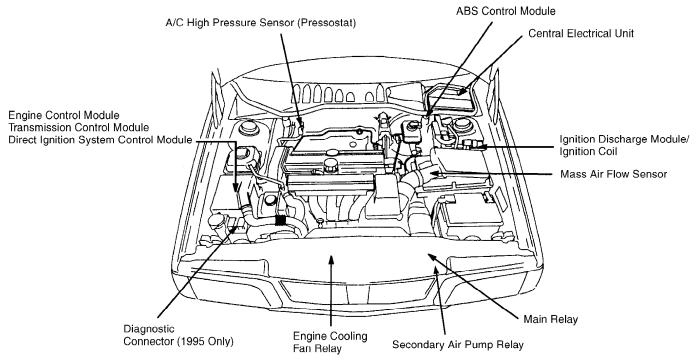


- 1. Cruise Control Module
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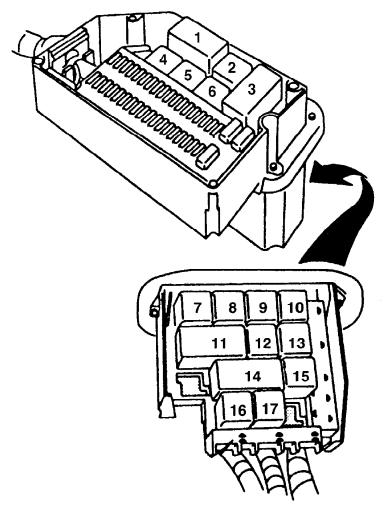
96H03747 Seat Belt Reminder/Key Warning Relay

On central electric unit, position No. 15.



96A03744 Secondary Air Pump Relay

Front left side of engine compartment.



- 1. Cruise Control Module
- 2. Fuel Pump Relay
- 3. Main Headlamp Relay With Bulb Malfunction Indicator
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- 8. Deadlock Setting Relay
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96H03747

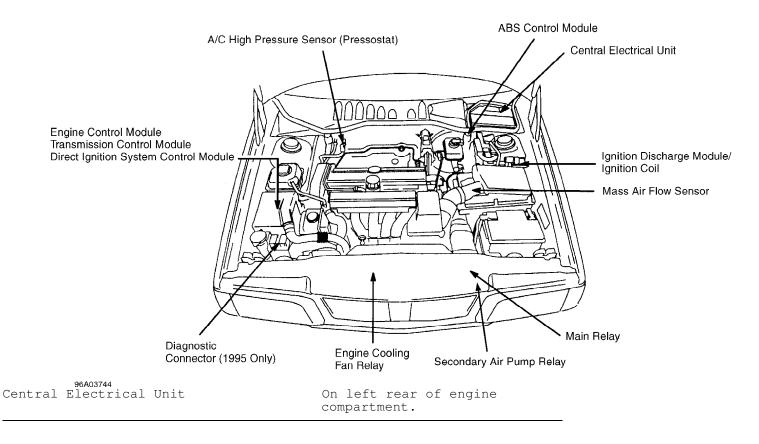
Speed Warning Or Exhaust Temperature Sensor Relay

On central electric unit, position No. 12.

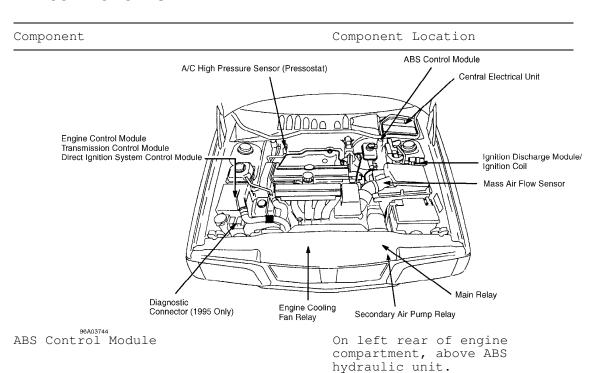
CIRCUIT PROTECTION DEVICES

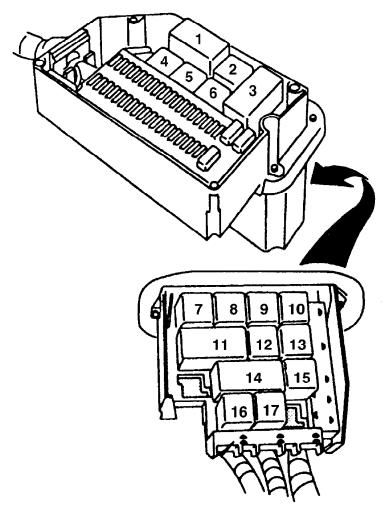
Component

Component Location



CONTROL UNITS



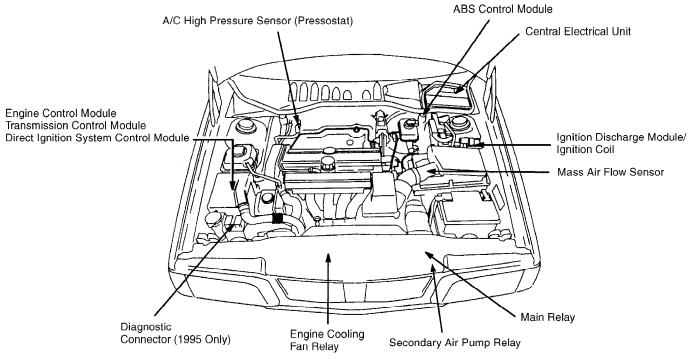


- 1. Cruise Control Module
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- 4. Overload Relay (X)
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- 14. Anti-Theft Alarm Module Relay
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- 17. Heated Rear Seat Relay

96H03747 Cruise Control Module

On electric control unit, position No. 1.

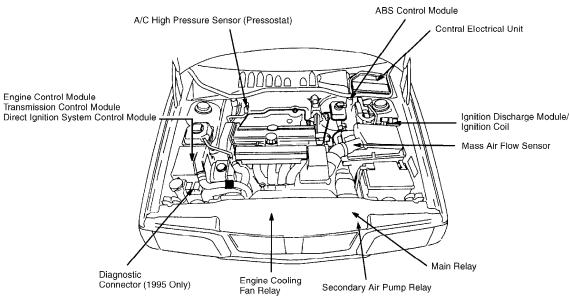


96A03744
Direct Ignition System
Control Module

On right front inner fender panel, in control module box.

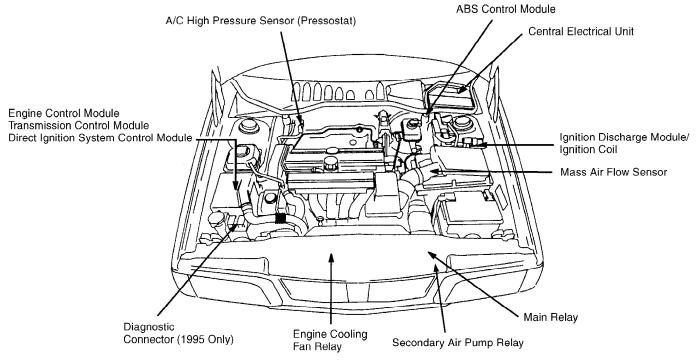
Electronic Climate Control Control Unit

Integrated with A/C control panel.



96A03744 Engine Control Module

On right front inner fender panel, in control module box.



96A03744 Ignition Discharge Module/Ignition Coil

Left side of engine compartment.

Seat Control Modules

Under driver's & passenger's

seat.

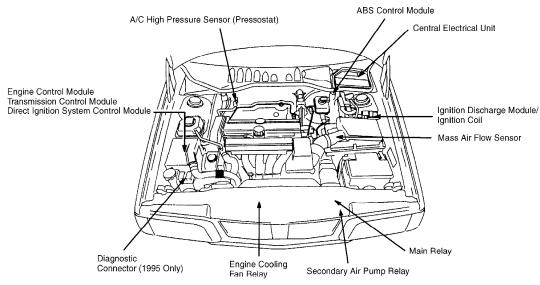
SRS Sensor Unit

Under floor console behind

shift lever.

Sunroof Control Module

Behind interior roof lamp assembly.



Transmission Control Module

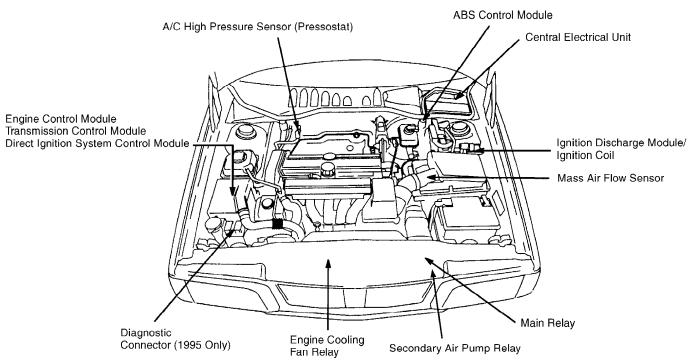
On right front inner fender panel, in control module box.

MOTORS

Component	Component Location
Blower Motor	Behind right side of dash, on A/C-heater housing.
Power Sunroof Motor	On front center of sunroof opening.

SENDING UNITS & SENSORS

Component	Component Location
ABS Brake Pedal Sensor	On right side of brake master cylinder.
ABS Wheel Speed Sensors	On each wheel hub.
Acceleration Sensor	On center of firewall.



A/C High Pressure Sensor
(Pressostat)

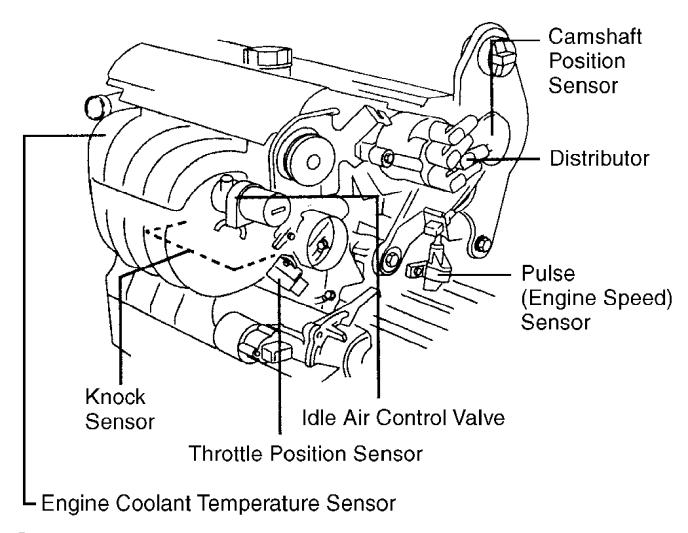
On A/C line, on right side of firewall.

A/T Fluid Temperature Sensor

On left side of transaxle.

Bulb Failure Warning Sensor

On left side of luggage compartment.



96D03745 Camshaft Position Sensor

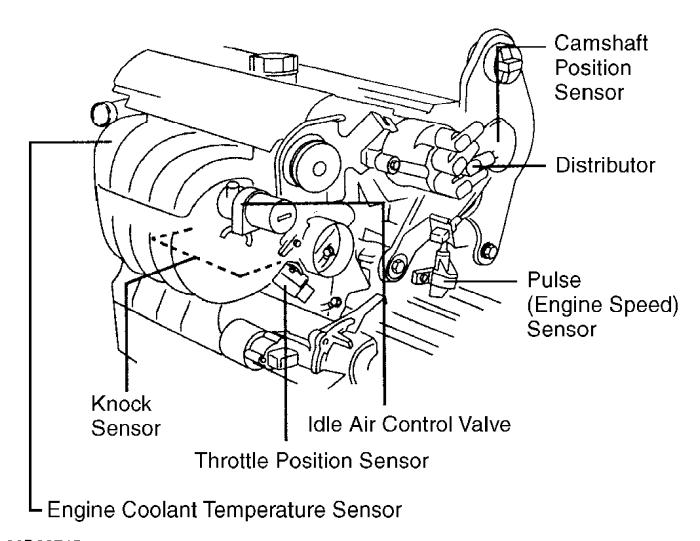
Duct Temperature Sensor (ECC)

EGR Temperature Sensor

On right rear of engine.

In driver's or passenger's side ventilation duct.

On base of EGR valve, on left rear of engine.



$\begin{array}{c} 96D03745 \\ \text{Engine Coolant Temperature} \end{array}$

Sensor On left front of engine.

converter.

Heated Oxygen Sensor (Rear) Behind catalytic converter.

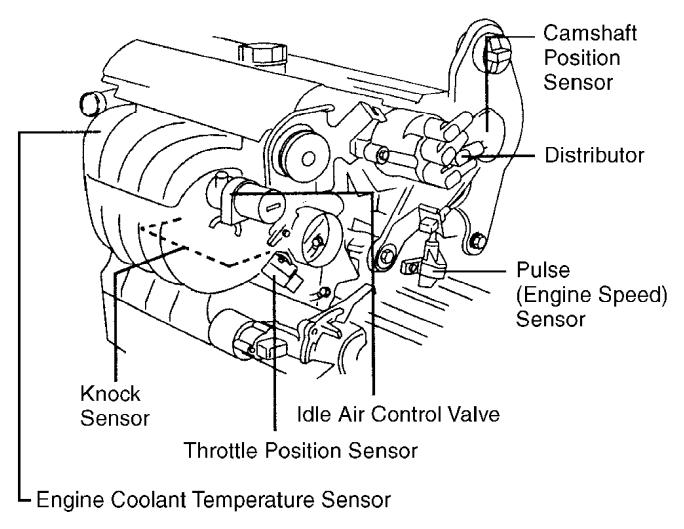
In-Car Temperature Sensor Behind driver's or passenger's

grab handle.

cleaner.

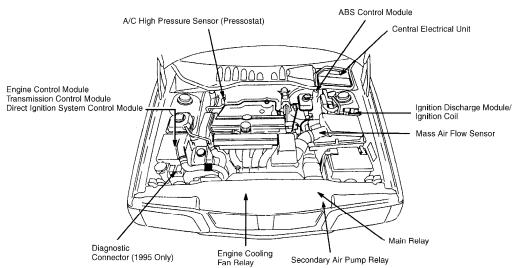
Intake Manifold Pressure Sensor On left side of engine, on

intake manifold.



96D03745 Knock Sensors (2)

On lower front of engine.



Mass Air Flow Sensor

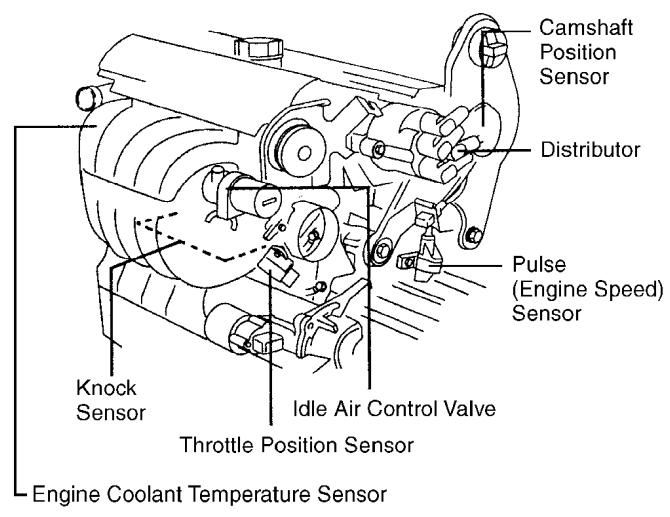
On air cleaner housing.

Oil Pressure Sensor

Outside Temperature Sensor (ECC)

Lower left side of engine.

On right side of firewall, near A/C air intake.

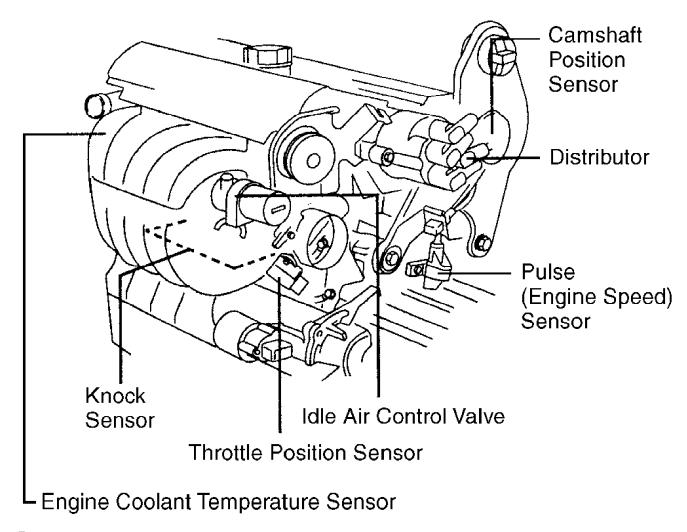


96D03745 Pulse (Engine Speed) Sensor

On rear of engine, above bellhousing.

Solar Sensor (ECC)

On top right of dash.

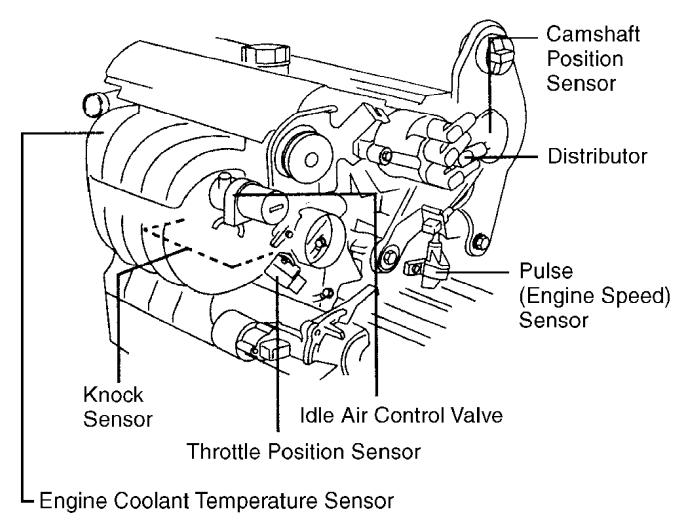


96D03745 Throttle Position Sensor On throttle body assembly.

Transmission Range Sensor On left side of transaxle.

SOLENOIDS & SOLENOID VALVES

Component	Component Location
A/C Switch Solenoid	On A/C compressor.
A/T Shift Solenoids	On transaxle valve body.
Auxiliary Air Intake Solenoid	Front center of engine compartment, next to radiator.
EVAP Valve	On top left of radiator shroud.



 $\begin{array}{c} 96D03745 \\ \text{Idle Air Control Valve} \end{array}$ On left rear engine.

Under shifter console, forward of shift lever. P-Shift Lock Solenoid (A/T)

Turbo Control Valve Between turbo & left rear

of engine.

Variable Intake Manifold Solenoid On left side of engine

compartment, between air cleaner & engine.

SWITCHES

Component	Component Location
A/C High Pressure Switch	On A/C line, near receiver-drier.
Brake Switch	On bracket, above brake pedal.

Back-Up Lamp Switch

Clutch Switch

On bracket, above clutch pedal.

Handbrake Switch

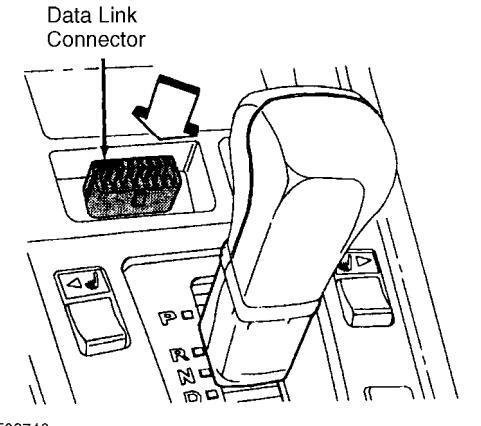
At base of handbrake.

Seat Belt Reminder Switch

On driver-side seat belt buckle.

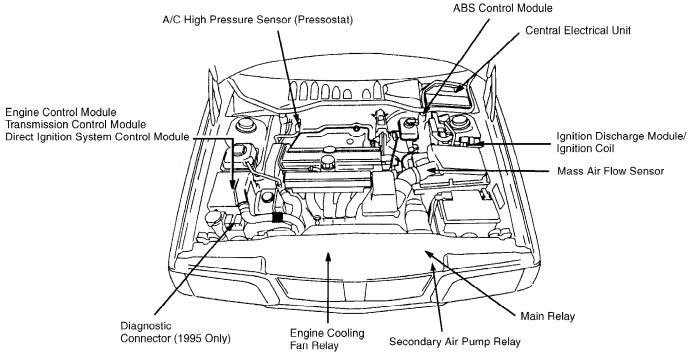
MISCELLANEOUS

Component		Component Location
ABS Hydraulic Unit	On left	rear of engine compartment, near brake master cylinder.
Alarm Horn		Rear center of engine compartment.
Blower Motor Resistor		Mounted on blower fan housing.



96F03746 Data Link Connector

On center console, forward of shift lever & near ECM.

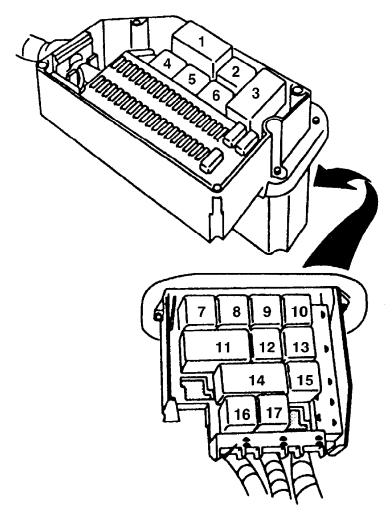


96A03744 Diagnostic Connector

EGR Converter

On center console, forward of shift lever & near ECM.

On top center of radiator shroud.



- 1. Cruise Control Module
- 2. Fuel Pump Relay
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- 7. Fog Lamp Relay8. Deadlock Setting Relay
- 9. Intermittent Wiper Relay (Front)

- Intermittent Wiper Relay (Rear)
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 Speed Warning Or Exhaust Temperature Sensor Relay
 Heated Rear Window & Door Mirrors Relay
- 14. Anti-Theft Alarm Module Relay
- 15. Seat Belt Reminder/Key Warning Relay
- 16. Front Fog Lamp Bridge
- 17. Heated Rear Seat Relay

96H03747 Front Fog Lamp Bridge

PTC-Resistor

On central electrical unit.

Mounted on fresh air intake hose, near air filter.