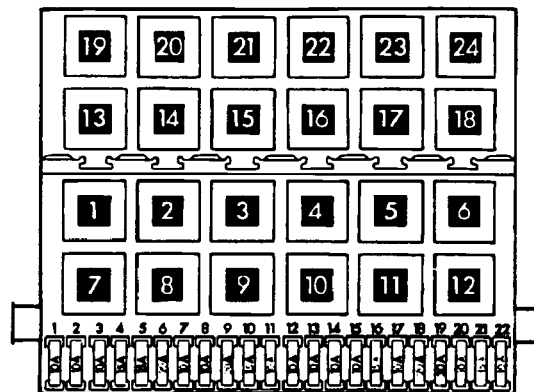
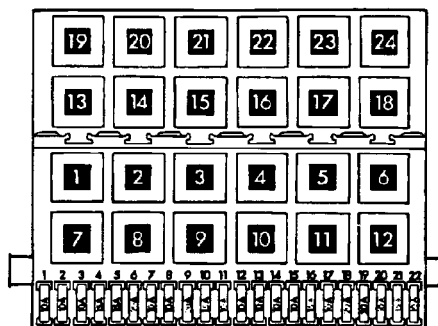


Wednesday, March 22, 2000 10:05PM

## Compressor Clutch/Fresh Air



## FUSE/RELAY BLOCK



## FUSE/RELAY BLOCK

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 2)

1993 Volkswagen Passat

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Wednesday, March 22, 2000 10:05PM

Flap Relay	Behind center console.
Compressor Clutch Relay	On left side of firewall, behind master cylinder.
Compressor Clutch Shutoff Relay (A/T)	Behind center console.
Time Delay Relay (M/T)	Behind center console.
Cooling Fan Relay (2nd. Stage)	On left side of firewall, behind master cylinder.

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

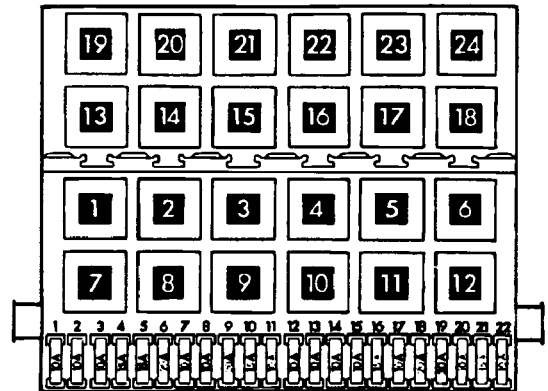
93D27543

Emergency Flasher Relay	On fuse/relay block.
-------------------------	----------------------

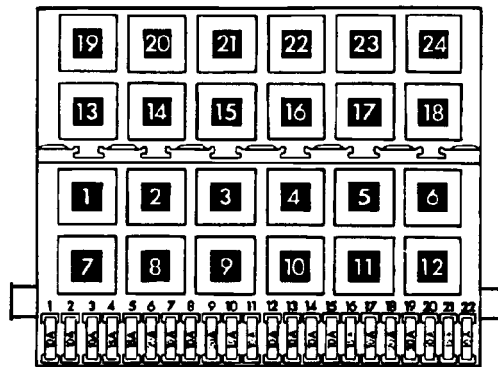
1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

93D27543

Fuel Pump Relay	On fuse/relay block.
-----------------	----------------------



FUSE/RELAY BLOCK



FUSE/RELAY BLOCK

## ELECTRICAL COMPONENT LOCATOR

### Article Text (p. 3)

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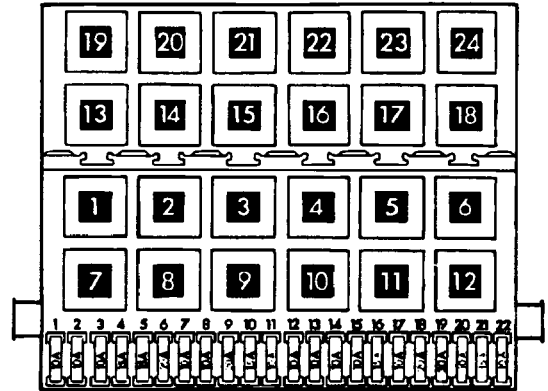
Wednesday, March 22, 2000 10:05PM

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

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Horn Relay (Dual)

On fuse/relay block.



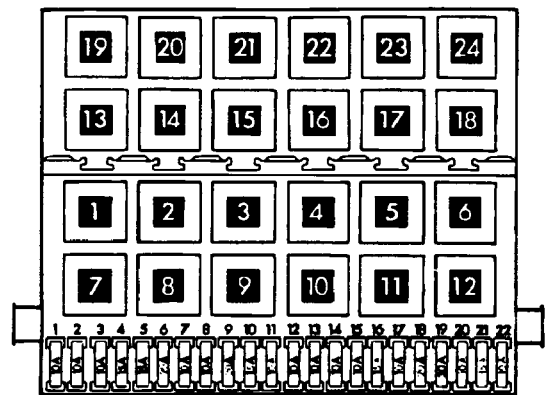
FUSE/RELAY BLOCK

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

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Seat Belt Warning Relay  
(Canada)

On fuse/relay block.



FUSE/RELAY BLOCK

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 4)

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Wednesday, March 22, 2000 10:05PM

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

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Starter Interlock/Back-Up  
Light Relay

On fuse/relay block.

Time Delay Relay

On fuse/relay block.

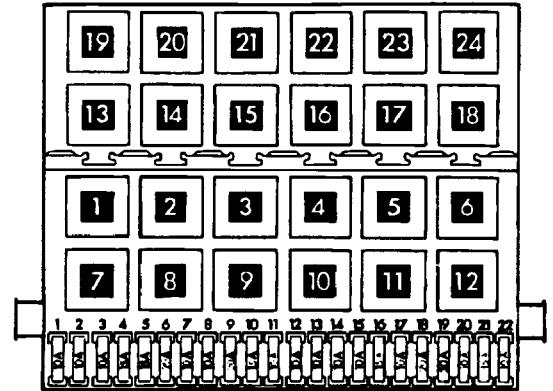
Wiper/Washer Relay

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

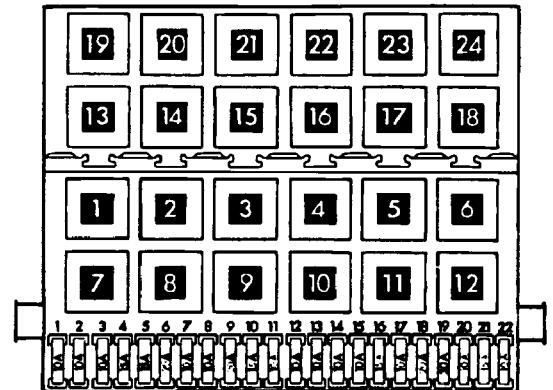
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Front

On fuse/relay block.



FUSE/RELAY BLOCK



FUSE/RELAY BLOCK

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 5)

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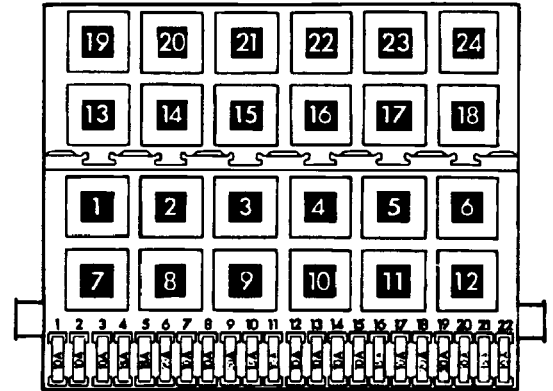
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1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

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Rear (Wagon)

On fuse/relay block.



FUSE/RELAY BLOCK

## CIRCUIT PROTECTION DEVICES

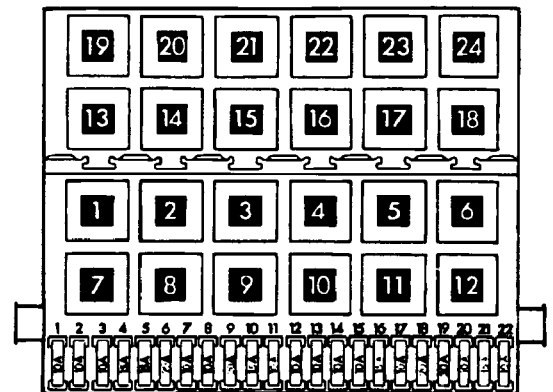
Component	
Component Location	
ABS Fuse/Power Window	

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

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Circuit Breaker

On fuse/relay block.



FUSE/RELAY BLOCK

## ELECTRICAL COMPONENT LOCATOR

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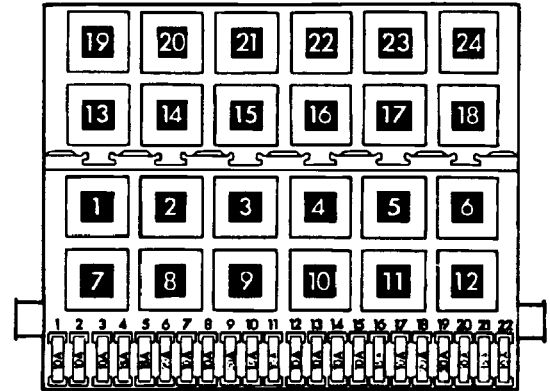
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1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

93D27543

ABS Valve Fuse

On fuse/relay block.



FUSE/RELAY BLOCK

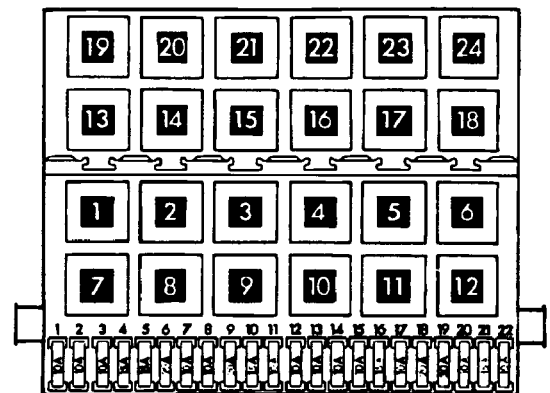
1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

93D27543

Back-Up Light Fuse (A/T)

On fuse/relay block.

Cruise Control/Auto. Shoulder



FUSE/RELAY BLOCK

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 7)

1993 Volkswagen Passat

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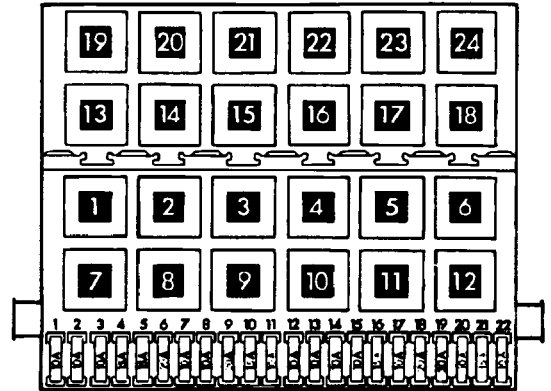
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1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

93D27543

Belt System Fuse



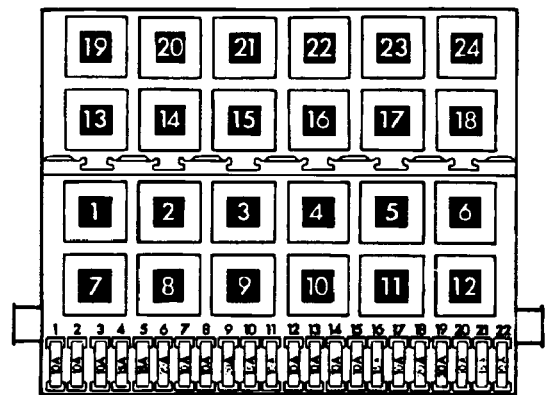
FUSE/RELAY BLOCK

On fuse/relay block.

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

93D27543

Fuse/Relay Block



FUSE/RELAY BLOCK

Under left side of dash.

## CONTROL UNITS

AA

Component

Component Location

AA

ABS Control Unit

Under right side of rear seat.

Auto. Shoulder Belt Control Unit

Under left of rear seat.

Central Locking Pump/Control Unit  
Sedan

On left side of luggage

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 8)

1993 Volkswagen Passat

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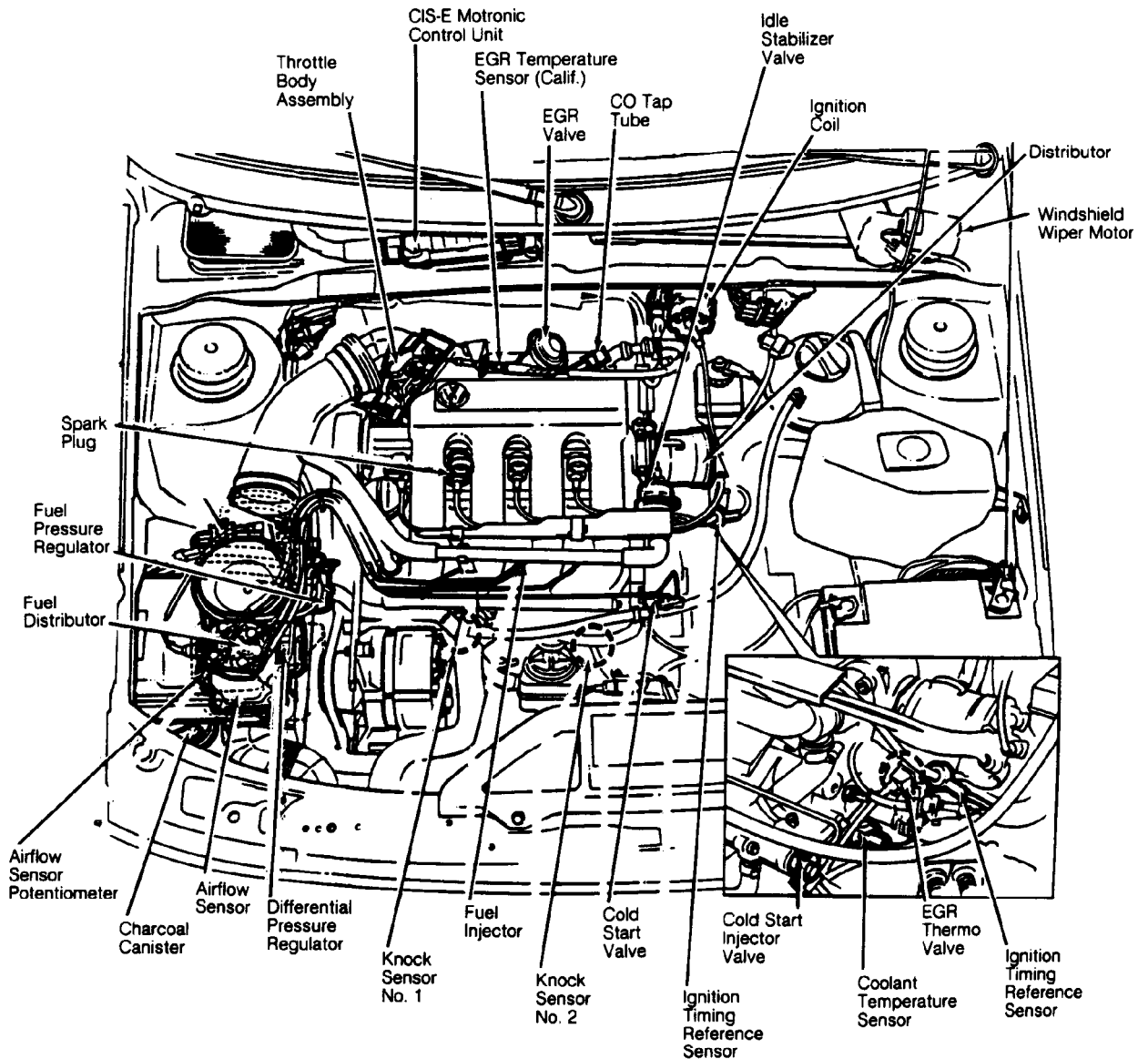
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compartment, behind trim panel.

Wagon

On right rear of luggage compartment floor.



CIS-E Motronic Control Unit

In engine compartment, on center of plenum panel.



# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 9)

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1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

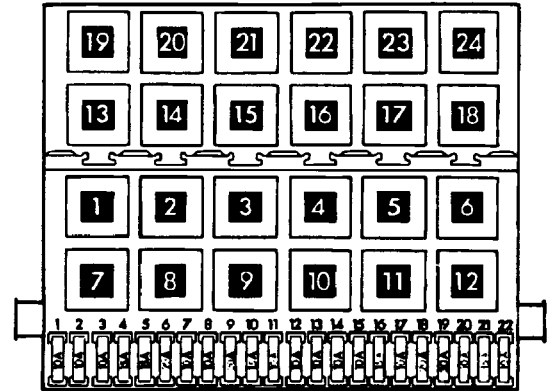
93D27543

Cooling Fan After-Run  
Control Unit

On fuse/relay block.

Cruise Control ECU

Under center console.



FUSE/RELAY BLOCK

1. A/C Relay
2. Rear Wiper/Washer Relay (Wagon)
3. Not Used
4. Time Delay Relay
5. Low Coolant Level Control Unit
6. Emergency Flasher Relay
7. Not Used
8. Front Wiper/Washer Relay
9. Seat Belt Warning Relay (Canada)
10. Not Used
11. Horn Relay (Dual)
12. Fuel Pump Relay
13. Back-Up Light Fuse (A/T)
14. Cooling Fan After-Run Control Unit
15. ABS Pump Relay
16. ABS Main Relay
17. Not Used
18. Not Used
19. A/C Relay
20. Starter Interlock/Back-Up Light Relay
21. ABS Fuse/Power Window Circuit Breaker
22. ABS Valve Fuse
23. Cruise Control/Auto. Shoulder Belt Fuse
24. Not Used

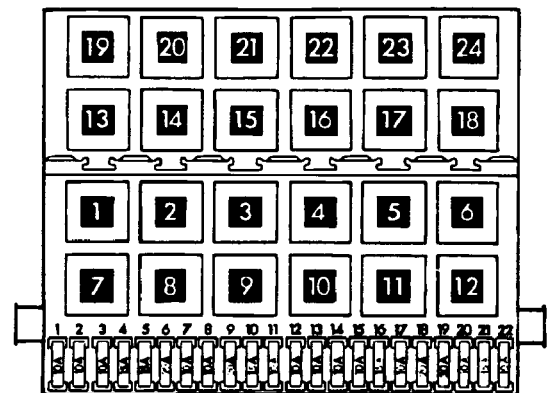
93D27543

Low Coolant Level Control Unit

On fuse/relay block.

Seat Belt Warning Control Unit

Behind right side of dash,  
below glove box.



FUSE/RELAY BLOCK

## MOTORS

AA	
Component	Component Location
AA	

## ELECTRICAL COMPONENT LOCATOR

### Article Text (p. 10)

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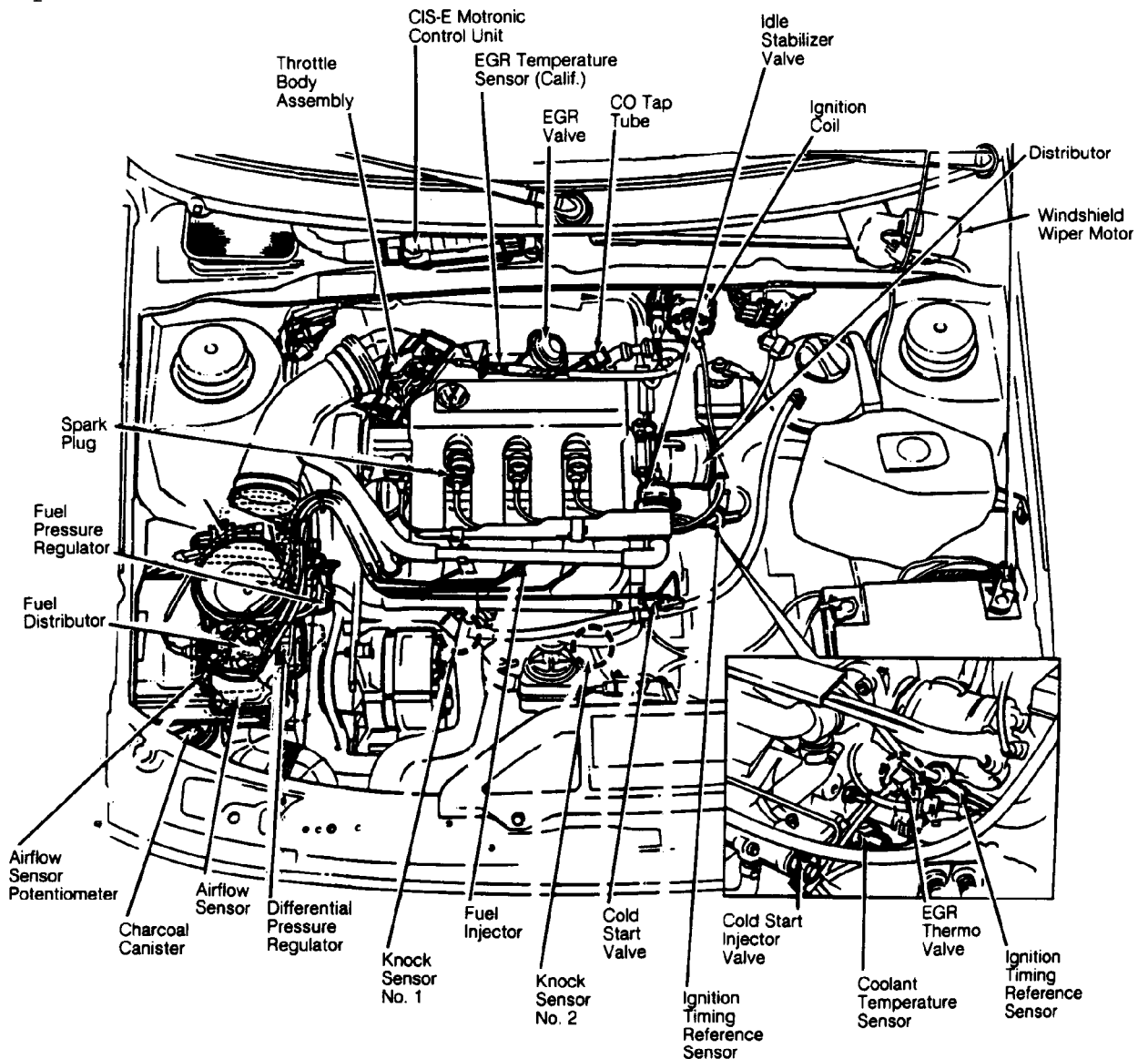
Wednesday, March 22, 2000 10:05PM

Blower Motor Under right side of dash.

Cruise Control Vacuum Motor cavity. Behind battery, in fender

Windshield Washer Pump Mounted on washer fluid reservoir.

Windshield Wiper Motor



Front On left side of firewall.

Rear (Wagon) Behind panel, on left of liftgate.

## SENDING UNITS & SENSORS

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Throttle Body Assembly

CIS-E Motronic Control Unit

EGR Temperature Sensor (Calif.)

EGR Valve

CO Tap Tube

Idle Stabilizer Valve

Ignition Coil

Distributor

Windshield Wiper Motor

Spark Plug

Fuel Pressure Regulator

Fuel Distributor

Airflow Sensor Potentiometer

Charcoal Canister

Airflow Sensor

Differential Pressure Regulator

Knock Sensor No. 1

Fuel Injector

Cold Start Valve

Cold Start Injector Valve

EGR Thermo Valve

Ignition Timing Reference Sensor

Coolant Temperature Sensor

Ignition Timing Reference Sensor

On left front side of engine compartment, on air cleaner housing.

# ELECTRICAL COMPONENT LOCATOR

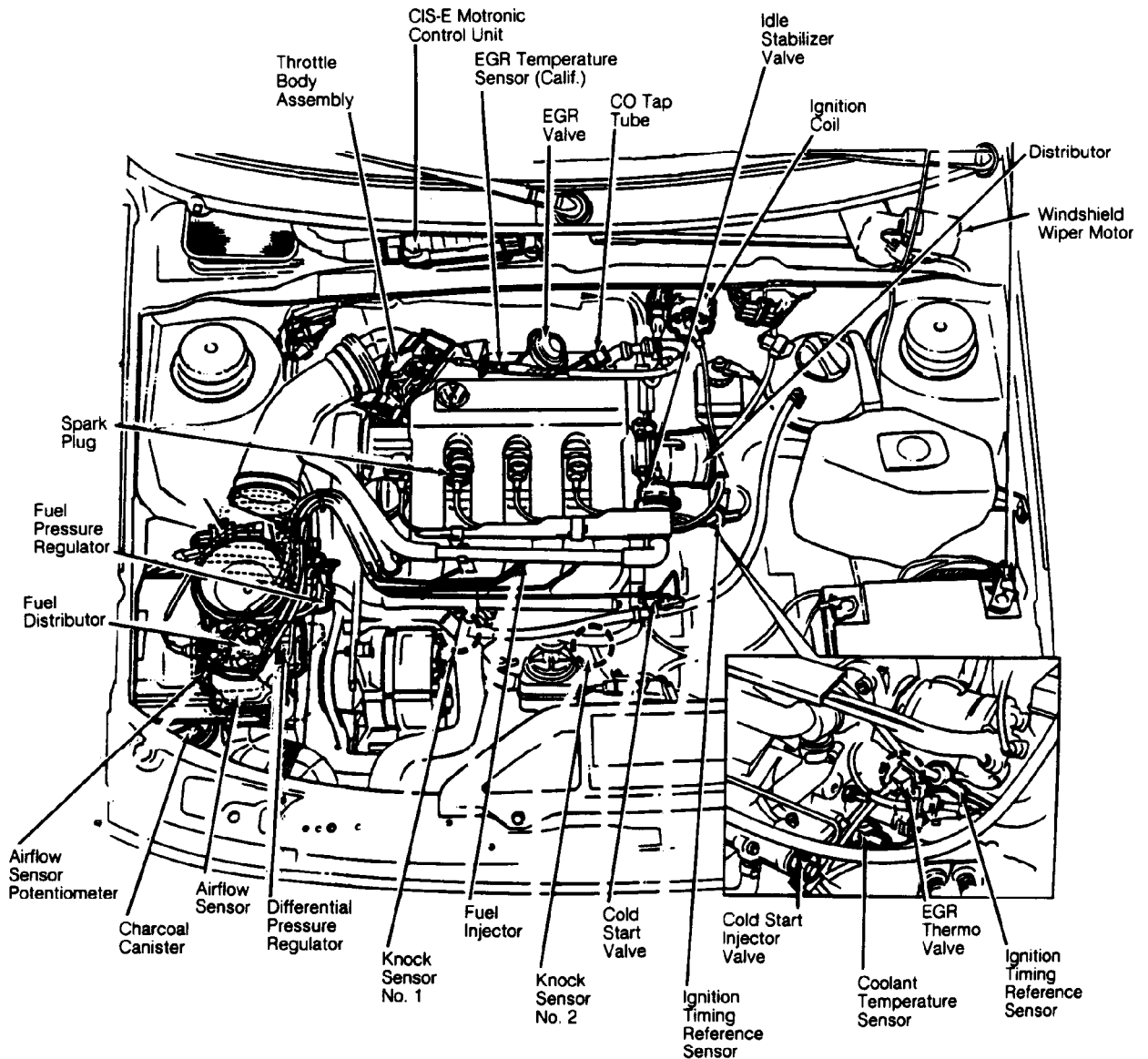
## Article Text (p. 12)

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Coolant Temperature Sensor

On rear of cylinder head,  
below distributor.

Cooling Fan After-Run Sensor

Mounted on bracket, rear of  
cylinder head.

# ELECTRICAL COMPONENT LOCATOR

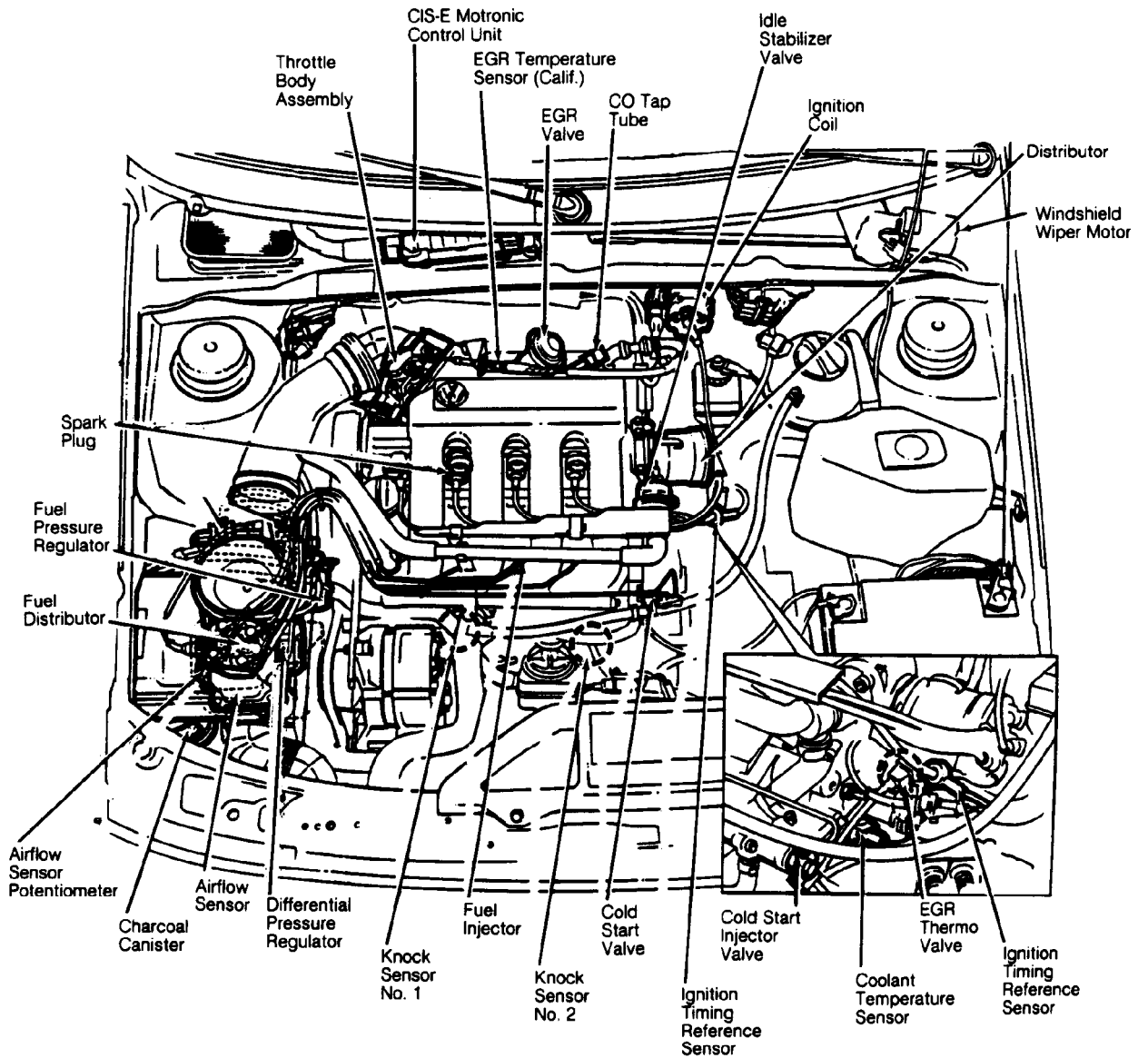
## Article Text (p. 13)

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EGR Temperature Sensor (Calif.)

On exhaust manifold, near EGR valve.

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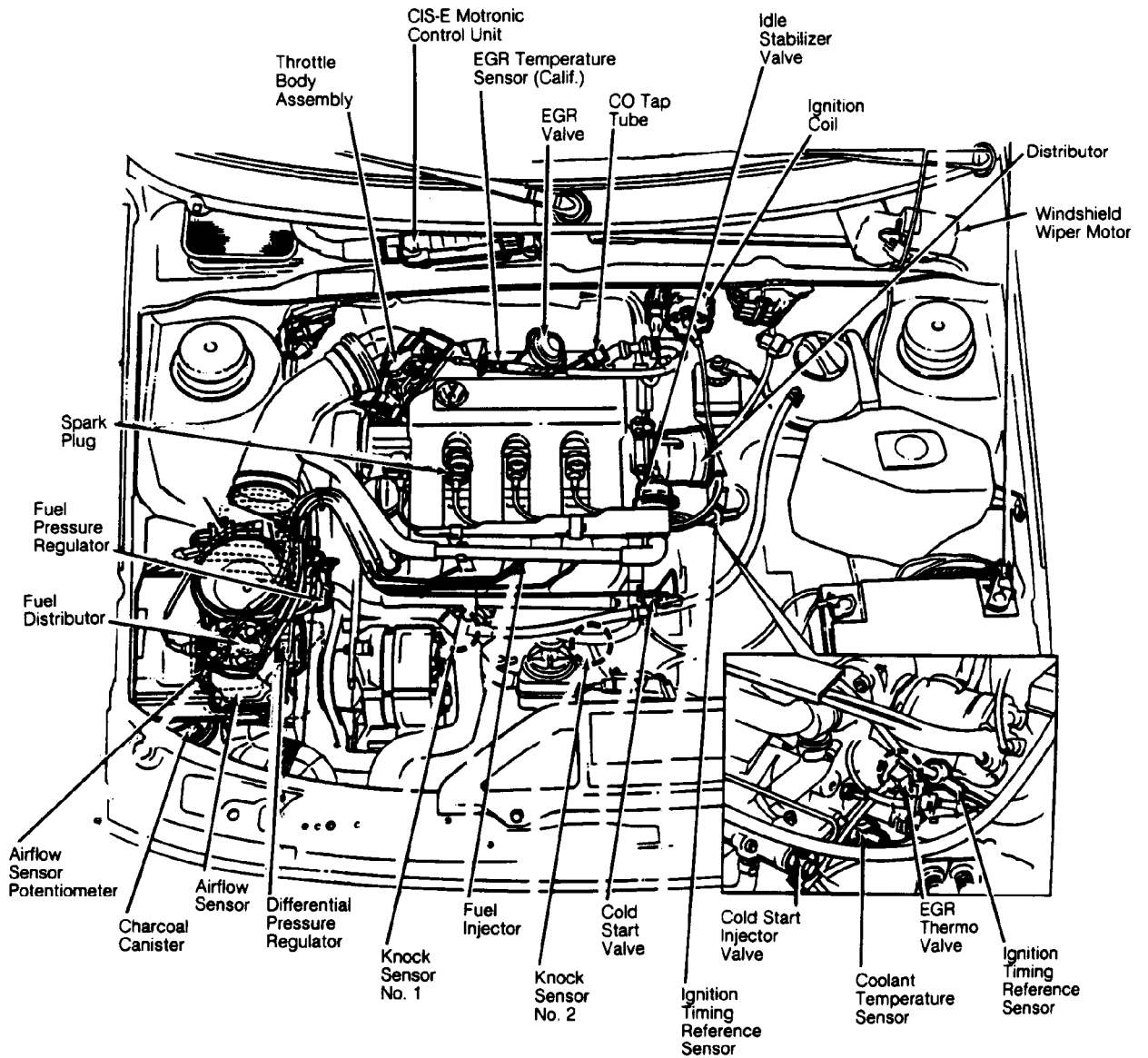
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Ignition Timing Reference Sensor

On No. 4 spark plug wire.

## ELECTRICAL COMPONENT LOCATOR

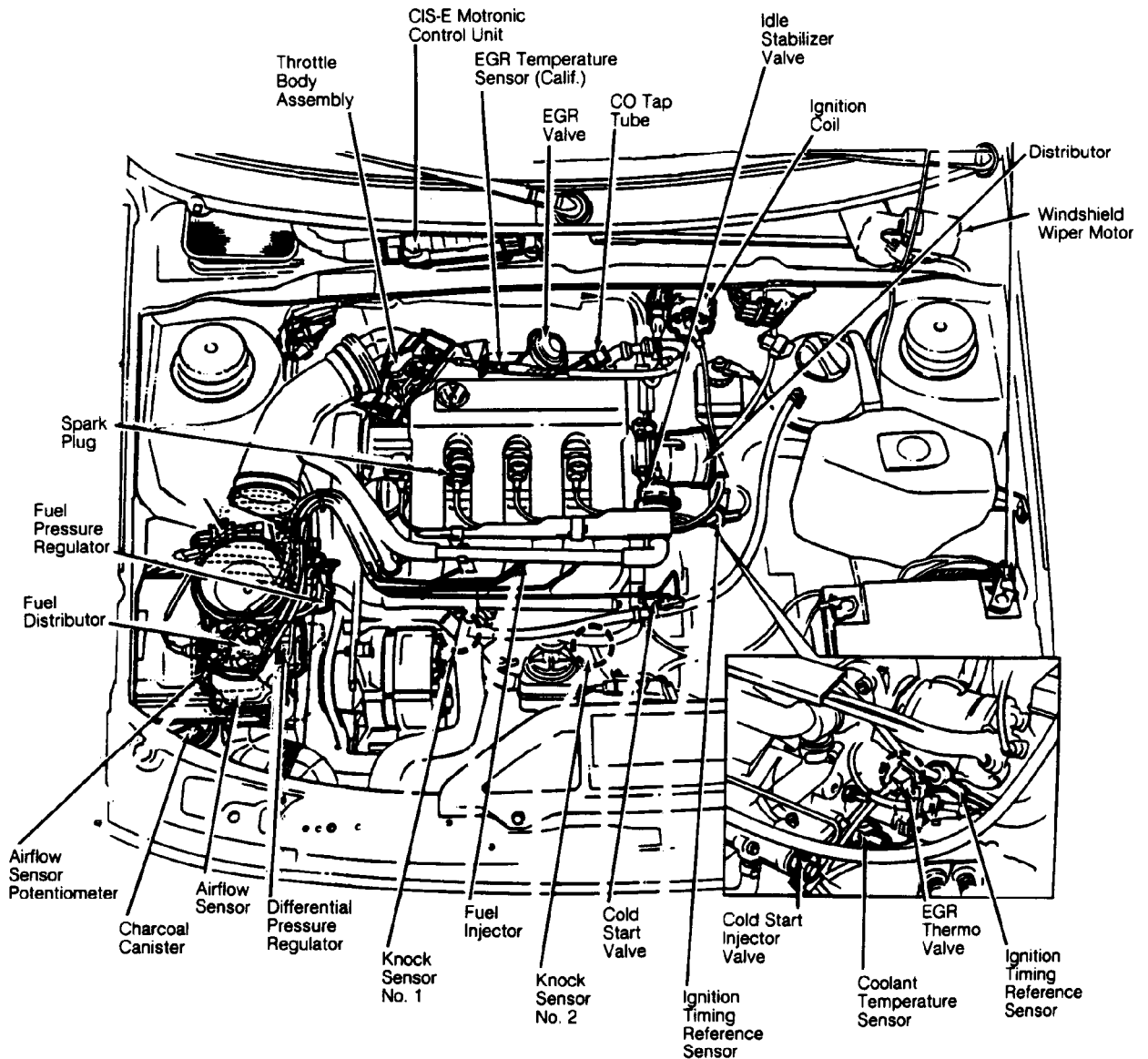
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Knock Sensors (2)

On left side of engine block,  
between cylinders No. 1-2 &  
No. 3-4.

Speed Sensor

Behind speedometer assembly.

Temp. Gauge Sending Unit (Black)

On thermostat housing.

Throttle Position (TP) Sensor

On throttle body assembly.

## SOLENOIDS & SOLENOID VALVES

AA

Component

Component Location

AA

ABS Main Solenoid

On ABS actuator assembly.

## ELECTRICAL COMPONENT LOCATOR

### Article Text (p. 16)

1993 Volkswagen Passat

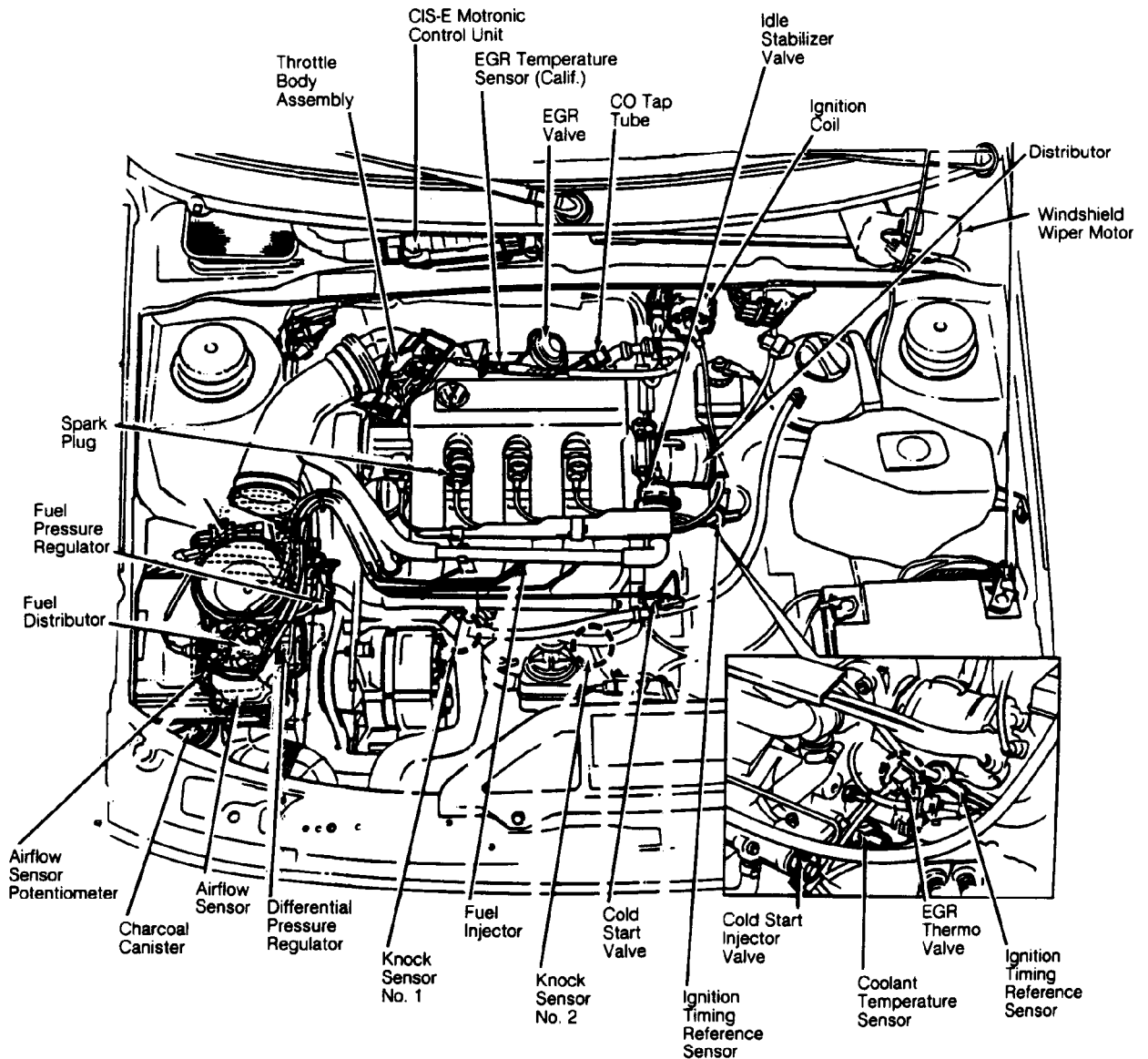
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Charcoal Canister Solenoid

On right front of engine compartment, near air filter housing.



Cold Start Injector Valve

On rear of intake runner,  
near idle stabilizer valve.



# ELECTRICAL COMPONENT LOCATOR

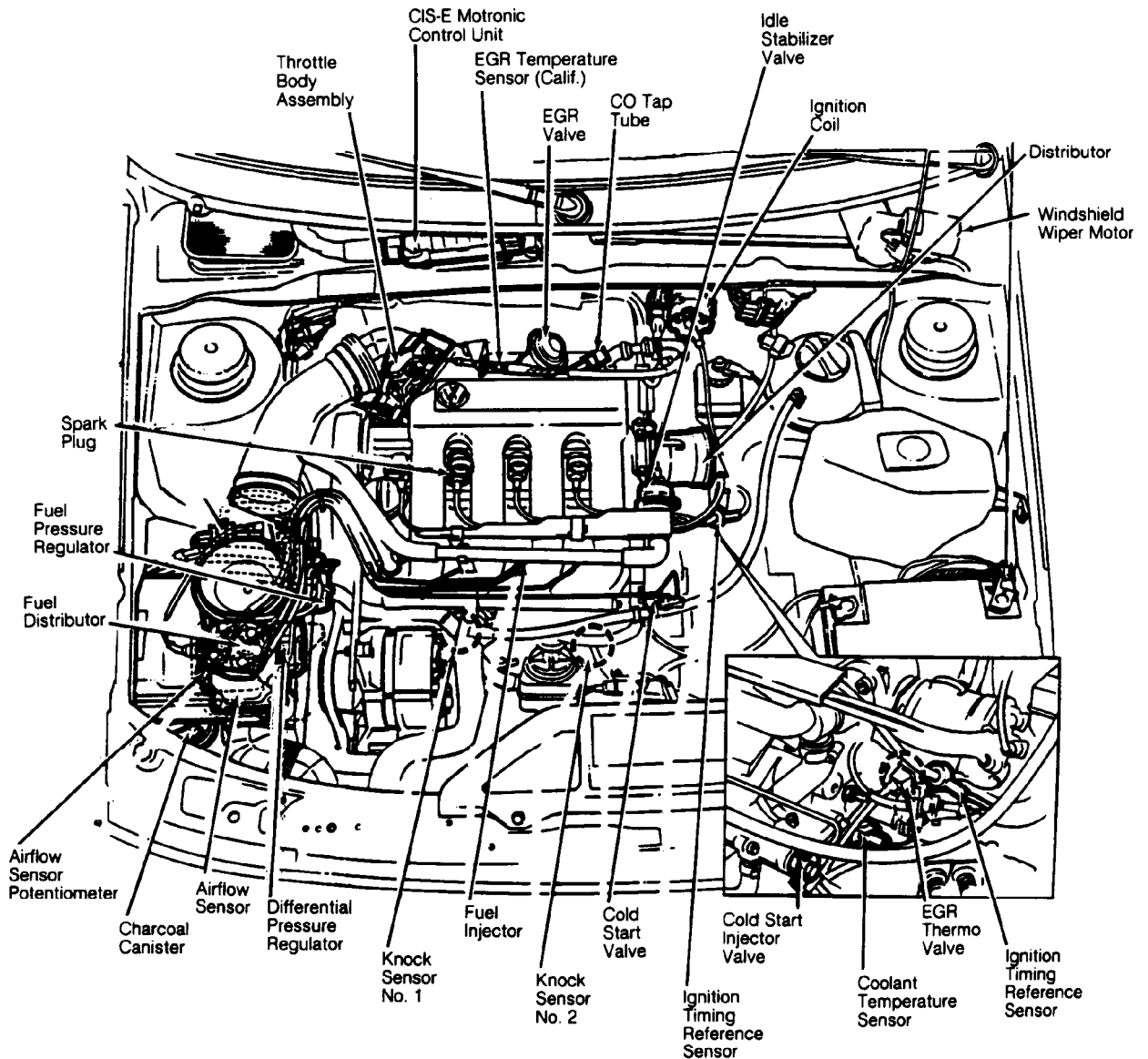
## Article Text (p. 17)

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Idle Stabilizer Valve

On rear of intake runner,  
near cold start valve.

## SWITCHES

Component	
Component Location	
ABS Multifunction Switch	On ABS actuator assembly.

A/C Pressure Switch	On left rear corner of engine compartment, on receiver-drier.
---------------------	---

Back-Up Light Switch (M/T)	On top of transaxle, on shift control lever.
----------------------------	--

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 18)

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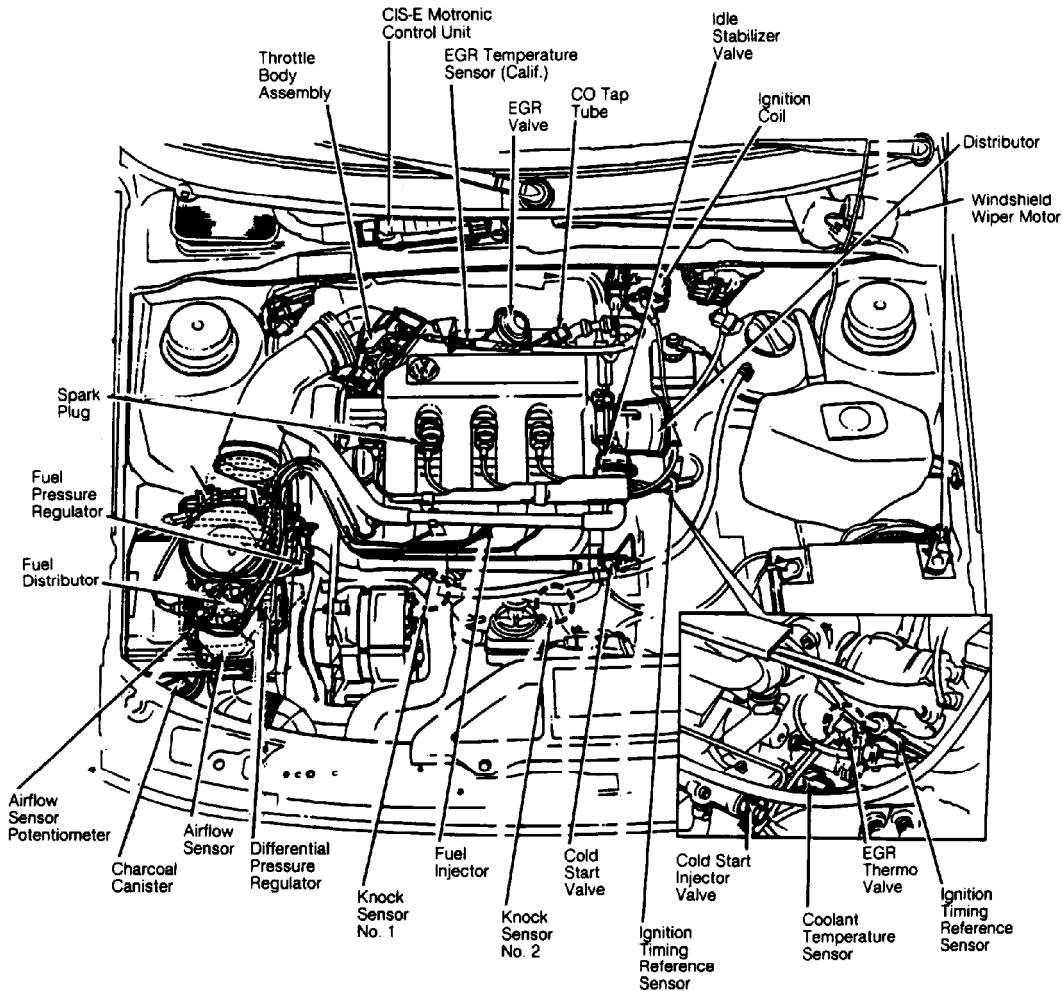
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Brake/Cruise/Stoplight Switch	On bracket, above brake pedal.
Brake Fluid Level Switch	Mounted in brake master cylinder reservoir cap.
Cooling Fan Thermoswitch	On bottom left of radiator.
Oil Pressure Switch	On oil filter mounting bracket.
Throttle Valve Switch (M/T)	On throttle body assembly.

### MISCELLANEOUS

Component	Component Location
-----------	--------------------



Airflow Sensor Potentiometer	On airflow sensor assembly.
Blower Motor Resistor/Overheat Fuse	Under right side of dash, on

# ELECTRICAL COMPONENT LOCATOR

## Article Text (p. 19)

1993 Volkswagen Passat

For Volkswagen Technical Site: <http://vw.belcom.ru>

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blower housing.

Data Link Connector (DLC)

Under center console, forward  
of shifter boot.

Differential Pressure Regulator

Mounted on fuel distributor  
unit.

Voltage Stabilizer (Gauges)

Behind fuel gauge.

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END OF ARTICLE