

Contents

SECTION 1—Domestic Cars and Light Trucks

Chrysler Corporation—Cars	1-20
Chrysler Corporation—Light Trucks and Vans	1-160
Jeep	1-197
Ford Motor Company—Cars	1-220
Ford Motor Company—Light Trucks and Vans	1-282
General Motors Corporation—Cars	1-314
General Motors Corporation—Light Trucks, Vans and APV's	1-408
Geo	1-428
Saturn	1-436

SECTION 2—Asian Import Cars and Light Trucks

Acura	2-2
Daihatsu	2-15
Honda	2-16
Hyundai	2-35
Infiniti	2-45
Isuzu Cars	2-55
Isuzu Trucks	2-60
Lexus	2-69
Mazda Cars	2-84
Mazda Trucks	2-100
Mitsubishi Cars	2-105
Mitsubishi Trucks	2-119
Nissan Cars	2-122
Nissan Trucks	2-138
Subaru	2-143
Suzuki	2-150
Toyota Cars	2-155
Toyota Trucks	2-173

SECTION 3—European Cars and Light Trucks

Alfa Romeo	3-2
Audi	3-6
BMW	3-26
Jaguar	3-48
Mercedes-Benz	3-53
Peugeot	3-61
Porsche	3-69
Saab	3-78
Sterling	3-86
Volkswagen	3-96
Volvo	3-103
Yugo	3-107

Component Locator

1

SECTION

CHRYSLER CORPORATION

Except Light Trucks and Vans

Fuses, Circuit Breakers and Flashers	1-2
Fusible Links	1-3
Relay, Sensor, Switch, Module and Computer Locations	1-3
Acclaim, LeBaron and Spirit	1-3
Dynasty and New Yorker Salon	1-20
Fifth Avenue and Imperial	1-39
LeBaron	1-55
Shadow and Sundance	1-69
Daytona	1-81
Concorde, Intrepid and Vision	1-97
Monaco and Premier	1-112
Laser and Talon	1-118
Chrysler TC	1-131
Colt and Summit	1-141
Colt Vista and Summit Wagon	1-149

Light Trucks and Vans

Fuses and Circuit Breakers	1-160
Fusible Links	1-160
Relay, Sensor, Switch, Module and Computer Locations	1-160
Caravan, Town & Country and Voyager	1-160
Dakota	1-170
Ram 50	1-176
D and W 150-350 Pickups and Ramcharger	1-182
Ram Van/Wagon Full Size Vans	1-190

JEEP

Fuses and Circuit Breakers	1-197
Fusible Links	1-197
Relay, Sensor, Switch, Module and Computer Locations	1-197
1991 Grand Wagoneer	1-197
Cherokee, Comanche and Wrangler	1-204
1993 Grand Cherokee and Grand Wagoneer	1-207

FORD MOTOR COMPANY

Except Light Trucks and Vans

Circuit Breakers	1-220
Fusible Links and In-Line Fuses	1-221
Relay, Sensor, Switch, Module and Computer Locations	1-224
Capri	1-224
Continental	1-225
Cougar and Thunderbird	1-228
Crown Victoria and Grand Marquis	1-234
Escort and Tracer	1-240
Festiva	1-245
Mark VII	1-250
Mark VIII	1-251
Mustang	1-256
1991-92 Probe	1-258

1993 Probe	1-264
Taurus and Sable	1-266
Tempo and Topaz	1-273
Town Car	1-277

Light Trucks and Vans

Circuit Breakers	1-282
Relay, Sensor, Switch, Module and Computer Locations	1-283
Aerostar	1-283
Bronco and F-Series	1-286
Econoline	1-293
Explorer	1-302
Ranger	1-303
Villager	1-310

GENERAL MOTORS CORPORATION

Specifications

Car Body Codes	1-314
Turr Signal Flasher, Hazard Warning Flasher and Fuse Block Locations	1-314
PCV Valve Locations	1-316
Cruiser Control Module Locations	1-316

BUICK

Circuit Breakers	1-318
Fusible Links	1-318
Relay Sensor and Computer Locations	1-318
Century	1-318
LeSabre	1-320
Park Avenue	1-323
Regal	1-327
Riviera and Reatta	1-329
Roadmaster	1-330
Skylark	1-333

CADILLAC

Circuit Breakers	1-338
Fusible Links	1-339
Relay, Sensor and Computer Locations	1-339
Allante	1-339
Brougham	1-344
DeVille and Fleetwood	1-345
Eldorado and Seville	1-347

CHEVROLET

Circuit Breakers	1-352
Fusible Links	1-352
Relay, Sensor and Computer Locations	1-352
Beretta and Corsica	1-353
Camaro	1-356
Caprice	1-357
Cavalier	1-362
Corvette	1-364
Lumina	1-368

OLDSMOBILE

Circuit Breakers	1-371
Fusible Links	1-371
In-Line Fuses	1-371
Relay, Sensor and Computer Locations	1-371
Achieva and Calais	1-371
Custom Cruiser	1-374
Ciera	1-377
Cutlass Supreme	1-379
Eighty-Eight	1-382
Ninety-Eight Regency	1-385
Toronado and Trofeo	1-388

PONTIAC

Circuit Breakers	1-390
Fusible Links	1-390
Relay, Sensor and Computer Locations	1-390
Bonneville	1-390
Firebird	1-393
Grand Am	1-395
Grand Prix	1-398
LeMans	1-401
Sunbird	1-402
6000	1-404

LIGHT TRUCKS, VANS AND APV'S

Circuit Breakers	1-408
Fusible Links	1-408
Relay, Sensor and Computer Locations	1-409
C/K and R/V Series Blazer, Jimmy, Crewcab, Pickup, Suburban and Yukon	1-409
G-Series, Rally and Vandura	1-414
Astro and Safari Vans	1-418
S/T Series Blazer, Jimmy, Sonoma, Bravada, Syclone, Typhoon and Pickup	1-418
Silhouette, Trans Sport and Lumina APV	1-423

GEO

Circuit Breakers	1-428
Fusible Links	1-428
Relay, Sensor, Module and Computer Locations	1-428
Metro	1-428
Prizm	1-430
Storm	1-433
Tracker	1-434

SATURN

Circuit Breakers	1-436
Maxifuses	1-436
Relay, Sensor and Computer Locations	1-436
Saturn	1-436

1 COMPONENT LOCATOR

CHRYSLER CORPORATION

CHRYSLER CORPORATION

Component Locator

Fuses, Circuit Breakers and Flashers

NOTE: In addition to all specified circuit breakers, all vehicles have headlight switches with internal circuit breakers.

ACCLAIM, LEBARON LANDAU AND SPIRIT

The fuse block is located behind the steering column cover, accessible by removing the fuse access panel above the hood latch release lever. The relay and flasher module is located behind an access panel in the glovebox. Included in the module are the hazard and turn signal flashers.

Two 30 amp circuit breakers are located in the fuse block. One is for the power window motors. The other is for the power seats and door locks.

The hazard warning flasher is located on the relay module inside the passenger compartment. The turn signal flasher is located on the driver's side of the air conditioning duct.

DYNASTY AND NEW YORKER, FIFTH AVENUE AND IMPERIAL

The fuse panel is located behind the glove box door. To remove the panel, pull it out from the bottom and slide the tabs out from the top. Additional fuses are in the Power Distribution Center located near the left side strut tower in the engine compartment.

Both the turn signal flasher and the hazard warning flasher are located on the relay module inside the passenger compartment.

Some 30 amp circuit breakers are located in the fuse block, protecting the power window motors and the power seats, door locks, mirrors, load leveller and concealed headlamp doors. In addition, a 30 amp circuit breaker for the Load Leveling Air Suspension is located in the fuse block, if equipped.

DAYTONA AND LEBARON

The fuse block is located behind a removable access panel to the left of the lower portion of the steering column. In addition, a power distribution center containing additional fuses is located under the hood, located behind the battery.

Starting in 1991, the turn signal flasher function has been combined with the hazard flasher function. It is color coded yellow and called a "combination flasher." It is located under the instrument panel to the right of the steering column, clipped to the A/C distribution duct.

Two 30 amp circuit breakers are located in the fuse block. One is for the power window motors. The other is for the power seats, door locks and horn.

SHADOW AND SUNDANCE

The fuse block is located behind the steering column cover, accessible by removing the fuse access panel above the hood latch release lever. The hazard warning flasher is located on the relay module inside the passenger compartment. The turn signal flasher is located on the center A/C duct.

A 30 amp circuit breaker for the power window motors is located in the fuse block.

CONCORDE, INTREPID AND VISION

These vehicles use an underhood Power Distribution Center as

well as an underdash junction/fuse block and both contain fuses and relays.

The functions of the hazard flasher and the turn signal flasher have been combined into 1 unit called a combination flasher. It is located under the dash on the left side between the junction block and the brake pedal. It is color coded black in color.

MONACO AND PREMIER

The interior fuse block is located under the left side of the instrument panel. Included in the fuse block are circuit breakers for any combination of the following items: power seats, door locks, sunroof, windows and passive restraint system, and Daytime Running Lights (Canada).

Lamp modules control many light functions. The daytime running light module (Canada) is located on the right side of the radiator crossmember. When the turn signal switch is moved, or if the hazard flasher switch is turned on, a ground is applied to a lamp module which activated the turn signals through different fuses. The headlamp module is located on the left side of the instrument panel. It takes the place of a conventional flasher.

LASER AND TALON

A multi-purpose fuse block is located under the instrument panel on the left side. Dedicated fuses are located underhood at the left rear corner of the engine compartment and also near the right strut tower.

The main fusible link is located next to the battery. Subsystem fusible links are located underhood next to the passenger side strut tower.

Some circuit breakers may be located in the multi-purpose fuse box while additional breakers may be found in the relay boxes under the hood.

CHRYSLER TC

The fuse block is located behind a removable access panel to the left of the lower portion of the steering column. The hazard flasher is plugged into the fuse block and the turn signal flasher is hanging near the block.

Two 30 amp circuit breakers are located in the fuse block. One is for the power window motors. The other is for the power seats, door locks, horn and horn relay. A 6 amp circuit breaker for the deck lid release is also located in the fuse block.

STEALTH

A multi-purpose fuse block is located under the instrument panel on the left side. Dedicated fuses are located underhood forward of the left strut tower, forward of the right strut tower as well as at the bottom of the junction block.

The fusible links are located next to the battery.

Relays as well as some circuit breakers may be located in the multi-purpose fuse box while additional breakers may be found in the relay boxes under the hood.

The functions of the hazard flasher and the turn signal flasher have been combined into 1 unit called a combination flasher. It is located in the driver's side cowl panel behind the trim panel.

COLT AND SUMMIT

A multi-purpose fuse block is located under the instrument panel on the left side. Dedicated fuses are located underhood at the right front and left front corners of the engine compartment.

The turn signal and hazard warning flasher unit is located at the extreme left side under the instrument panel just above the hood release handle.

The fusible links are located next to the battery on the right side dedicated fuse block. Note that the ABS fusible link is separate. It is located alongside the battery.

COLT VISTA AND SUMMIT WAGON

A multi-purpose fuse block is located under the instrument panel on the left side. Dedicated fuses are located underhood at the right front and left front corners of the engine compartment.

Turn signal and hazard warning flasher functions have been combined into 1 combination unit. The turn signal/hazard warning flasher unit is located at the extreme left side under the instrument panel just above the hood release handle.

FRONT WHEEL DRIVE MINI-VANS

A multi-purpose fuse block is located under the instrument panel on the left side. Additional relays may be found underhood.

Turn signal and hazard warning flasher functions have been combined into 1 combination unit. The turn signal/hazard warning flasher unit is located plugged into the lower left corner (location #4) of the relay bank to the left of the fuse block, accessed by removing the lower steering column cover.

The main fusible link is located attached to the battery positive terminal.

Fusible Links

EXCEPT LASER, 1991 DAYTONA, LEBARON AND MONACO AND 1991-93 DYNASTY, NEW YORKER AND IMPERIAL

All fusible links are in the form of hypalon-insulation wire, and are either 12, 14, 16, 18 or 20 gauge. All are located in the left front area of the engine compartment in front of the left front wheel housing or shock tower.

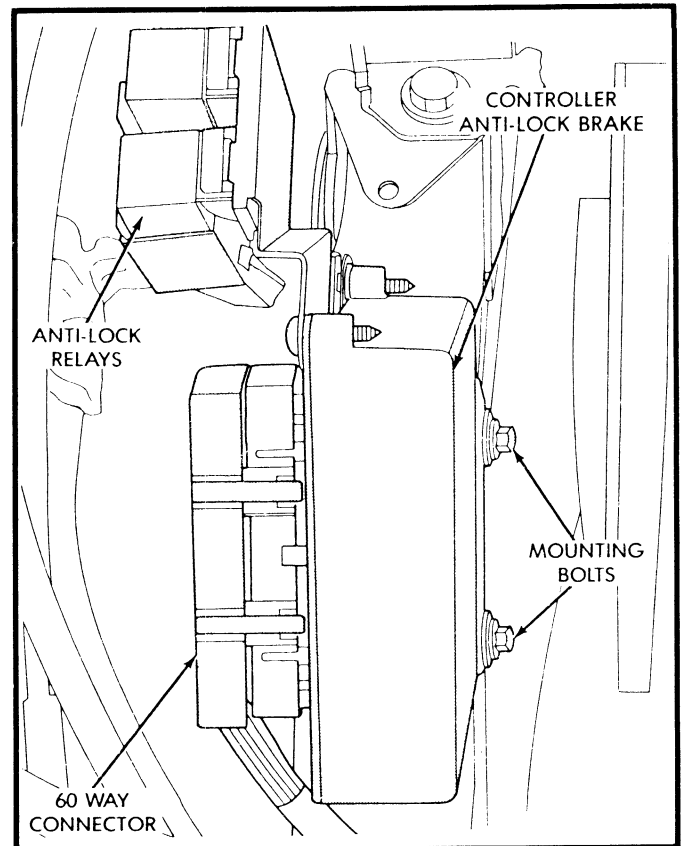
1991 DAYTONA, LEBARON AND MONACO AND 1991-93 DYNASTY, NEW YORKER AND IMPERIAL

Fusible links are in the form of replaceable cartridge fuses located at the battery and right side relay box on Laser, or in the underhood Power Distribution Center on 1991-93 Daytona, LeBaron and Monaco, and 1991-93 Dynasty, New Yorker and Imperial.

Relay, Sensor, Switch, Module and Computer Locations

ACCLAIM, LEBARON AND SPIRIT

- **A/C Ambient Switch**—is located in front of the condenser behind the grille.
- **A/C and Heater Blower Motor Resistor**—is under the hood under the cowl/plenum grill.
- **A/C Blower Motor**—is located in the A/C control panel in the center of the instrument panel.
- **A/C Clutch Relay**—is located on the driver's side inner fender panel forward of the strut tower, between the radiator fan relay and automatic shutdown relay.

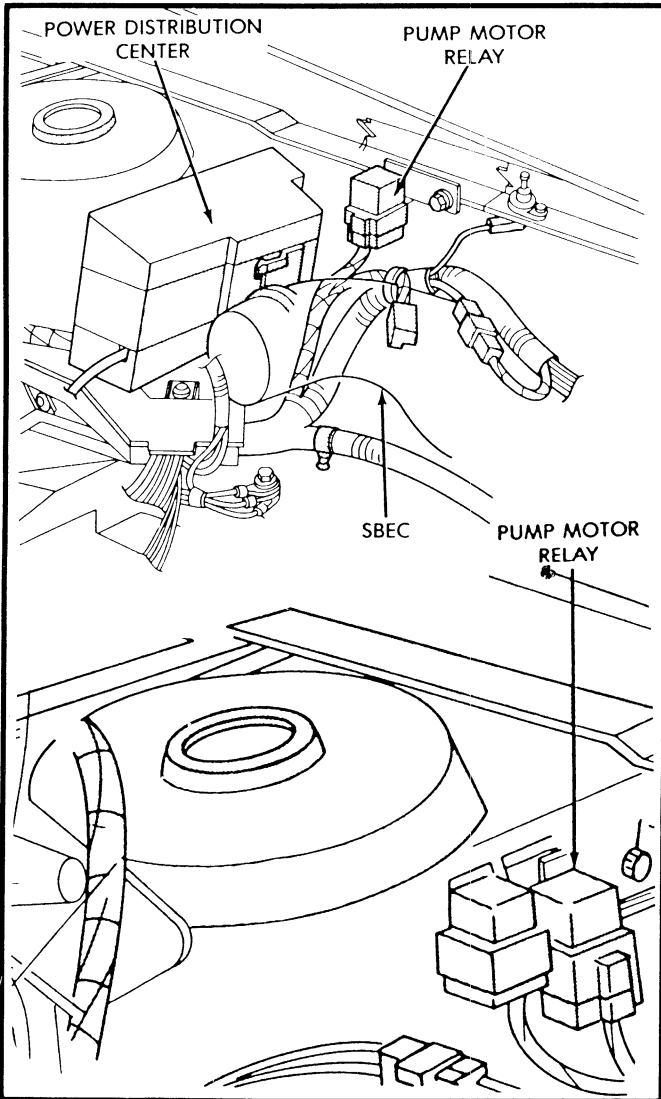


Anti-Lock Brake Controller (CAB) module, Bendix 6 ABS system—Acclaim, LeBaron Landau and Spirit

- **A/C Condenser Fan Control Switch**—is located on the plumbing discharge line at the A/C compressor and cycles the radiator/condenser fan on and off.
- **A/C Control Switch**—is located in the center of the instrument panel.
- **A/C Damped Pressure Switch**—is located on the heater valve, dash panel, right side.
- **A/C Differential Pressure Cut-Out (DPCO) Switch**—is located on the expansion valve.
- **A/C Electronic Cycling Clutch Switch**—is located in the A/C housing.
- **A/C Fin-Sensing Cycling Clutch Switch**—is located in the heater-A/C housing near the blower motor and is placed in the evaporator fins.
- **A/C High Pressure Relief Valve**—is located on the A/C compressor.
- **A/C Low Pressure Cut-Off (LPCO) Switch**—is located on the expansion and monitors refrigerant gas pressure on the suction side of the system.
- **A/C Resistor**—is located in the right side of the plenum.
- **A/C Sight Glass**—is located in the top of the filter/dryer assembly.
- **A/C Switch**—is located in the center of the instrument panel.
- **A/C Thermal Limiter Switch**—is located on the side of the compressor case on some models, measures surface temperature and cuts off clutch coil power if temperature is excessive. It will reset when cool.
- **ABS Controller (Bendix 6 system)**—is located on top of the right front frame rail and uses a 60-way connector.
- **ABS Diagnostic Connector (Bendix 6 system)**—is lo-

COMPONENT LOCATOR

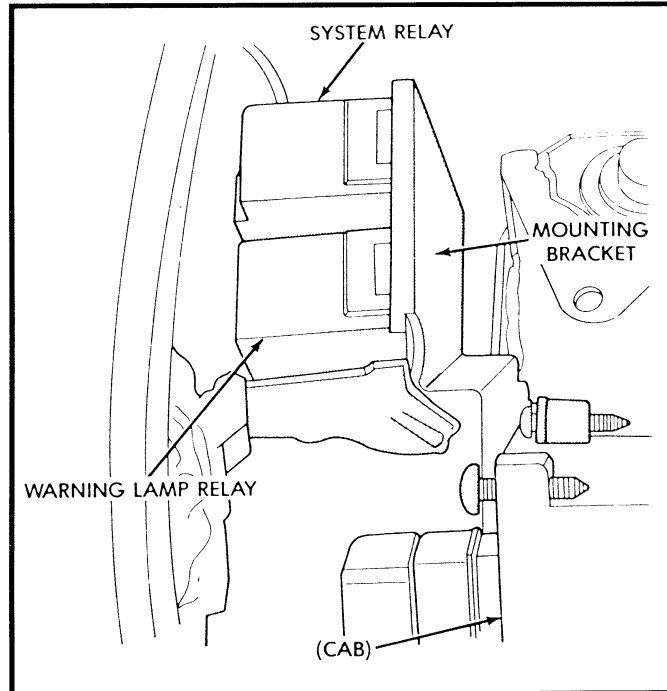
CHRYSLER CORPORATION



Top: ABS Pump motor relay location on vehicles with Power Distribution Center; Bottom: ABS Pump motor relay location on vehicles without Power Distribution Center, Bendix 6 System—Acclaim, LeBaron Landau and Spirit

cated under the fuse panel access cover located on the lower section of the instrument panel on the left side of the steering column. The diagnostics connector is a blue 6-way connector.

- **ABS Modulator Assembly (Bendix 6 system)**—is located under the battery tray and is covered with an acid shield.
- **ABS Proportioning Valves (Bendix 6 system)**—are located on the bottom of the hydraulic assembly.
- **ABS Pump Motor Relay (Bendix 6 system)**—is either mounted on the left front inner fender shield or the front of the left shock tower depending on whether the vehicle is or is not equipped with a power distribution center.
- **ABS Pump/Motor Assembly (Bendix 6 system)**—is located inside the modulator assembly and is not serviceable.
- **ABS System Relay (Bendix 6 system)**—is located on a bracket mounted to the CAB next to the ABS Warning Light Relay.



ABS system relay and warning lamp relay, Bendix 6 System—Acclaim, LeBaron Landau and Spirit

- **ABS Warning Lamp Relay (Bendix 6 system)**—is located on a bracket mounted to the CAB next to the system relay.
- **ABS Wheel Speed Sensors**—are located in each wheel disc brake bracket.
- **Air Bag Clockspring**—is located inside the steering column, under steering wheel.
- **Air Bag Crash Sensors**—are located on the upper cross-member of the radiator closure panel on the left and right side of the vehicle.
- **Air Bag Diagnostic Connector**—is located on the diagnostic module itself which is mounted on the floor pan just forward of the center console.
- **Air Bag Diagnostic Module (ABDM)**—is located mounted on the floor pan just forward of the center console.
- **Air Bag Sensor (left)**—is located at the left closure panel.
- **Air Bag Sensor (right)**—is located at the right closure panel.
- **Air Horn Compressor**—is located on the upper cross-member of the radiator closure panel on the right side of the vehicle.
- **AIS (Automatic Idle Speed) Motor**—is located on the throttle body.
- **Anti-Lock Brake System**—see ABS.
- **ASD (Auto Shutdown) Relay**—is located on the driver's side fender well or strut tower.
- **Automatic Idle Speed (AIS) Motor**—is located on the throttle body.
- **Automatic Transaxle Lock-Up Solenoid Electrical Connector**—is located on the transaxle case, next to the dipstick hole.
- **Automatic Transmission Neutral Start and Back-Up Lamp Switch**—is located on the front of the transaxle.
- **Back-Up Lamp Switch**—is located on the transmission.
- **Baro-Read Solenoid**—is located on the front of the right shock tower.
- **Barometric Solenoid (2.5L turbocharged engine)**—is located on the dash panel (firewall) next to the MAP sensor.

- **Engine Coolant Temperature (ECT) Sensor (1991)** — is on the top left side of the engine.
- **Engine Coolant Temperature (ECT) Sensor (1992-1993)** — is on the top left front side of the engine.
- **EVO Actuator (1992-1993)** — is on the lower left front of the engine compartment, on the power steering assembly.
- **EVO Steering Module (1992-1993)** — is in the right front of the trunk, below the rear package tray.
- **EVO Steering Wheel Rotation Sensor (1992-1993)** — is at the bottom of the steering column.
- **EVO Test Connector (C411)** — is in the right side of the trunk.
- **Exhaust Gas Oxygen (EGO) Sensor** — see Heated Oxygen Sensor (HO2S) Sensor.
- **Fuel Filler Door Release Solenoid** — is in the left side of the trunk, near the fuel door.
- **Fuel Gauge Sender (5.8L engine, 1991, Wagon)** — is below the rear of the vehicle, on the front of the fuel tank.
- **Fuel Pump (1991, wagon)** — is below the rear of the car, on the front of the fuel tank.
- **Fuel Pump Prime Connector** — is on the left side of the engine compartment, near the relay center.
- **Fuel Pump Relay** — in on the left side of the engine compartment, in the relay center.
- **Fuel Pump/Fuel Gauge Sender (1991, sedan)** — is below the rear of the car, on the front of the fuel tank.
- **Fuel Pump/Fuel Gauge Sender (1992-1993)** — is below the rear of the car, on the rear of the fuel tank.
- **Fuse Panel** — is behind the lower left side of the instrument panel.
- **Hazard Flasher** — is attached to the front of the fuse panel.
- **Heated Exhaust Gas Oxygen (HEGO) Sensor** — see Heated Oxygen Sensor.
- **Heated Oxygen Sensor (HO2S)(Left)** — is on the lower left rear of the engine, in the exhaust manifold.
- **Heated Oxygen Sensor (HO2S)(right)** — is in the lower right rear of the engine, in the exhaust manifold.
- **Heated Oxygen Sensor (HO2S)(Right)** — is in the lower right rear of the engine, in the exhaust manifold.
- **Heated Windshield Control Module (1991)** — is behind the right side of the instrument panel, on the right side of the glove box.
- **Heated Windshield Control Module (1992)** — is behind the left side of the instrument panel, on the EEC module bracket assembly.
- **Heated Windshield Jumper (1991)** — is in the left rear corner of the engine compartment.
- **Heated Windshield Test Connector** — is on the right fender apron, above the wheel well.
- **Horn Relay (1991)** — is on the right side of the safety wall, above the blower motor.
- **Horn Relay (1992-1993)** — is in the right front of the engine compartment, in the engine compartment fuse box.
- **Horns (5.0L engine)** — is on the right side of the engine compartment, on top of the wheel well.
- **Horns (5.8L engine)** — is on the front of the right frame rail.
- **Horns (1992-1993)** — is in the left front of the car on the front lower radiator support.
- **Idle Air Bypass Valve** — see Idle Air Control (IAC) Valve.
- **Idle Air Control (IAC) Valve** — is on the top left side of the engine, on the rear of the intake manifold.
- **Ignition Control Module (ICM)(1992-1993)** — is on the left rear of the engine compartment, on the fender apron.
- **Ignition Module (1991)** — is on the left side of the engine compartment, on top of the wheel well.
- **Ignition Resistor (1991)** — is on the top center front of the engine, taped in the harness near the take out to the TFI ignition module.
- **Illuminated Entry Timer** — is behind the right side of the instrument panel, on the right side of the glove box.
- **In-car Temperature Sensor** — is behind the top center of the instrument panel.
- **Inertia Switch (sedan)** — is on the left side of the trunk, attached to the support brace.
- **Inertia Switch (wagon)** — is on the left side of the cargo area.
- **Integral Alternator Regulator (IAR)(1991)** — is on the top left front of the engine.
- **Keyless Entry Module** — see Remote Keyless Entry Module.
- **Knock Sensor (1991)** — is on the top right rear of the engine.
- **LCD Dimming Relay** — is behind the left side of the instrument panel, above the steering column.
- **Low Oil Level Switch (1991)** — is mounted on the left side of the oil pan.
- **Manifold Absolute Pressure (MAP) Sensor (1991)** — is in the center of the safety wall, above the evaporator.
- **Manual Lever Position (MLP) Switch (1993)** — is on the left side of the transmission.
- **Mass Air Flow (MAF) Sensor** — is on the left side of the engine compartment, near the air cleaner.
- **Microprocessor Control Unit (MCU)(1991)** — is in the left side of the engine compartment, on top of the wheel well.
- **Mid-engine Temperature Switch (1991)** — is on the top right front of the engine.
- **Noise Capacitor (5.0L engine)** — is on the top right side of the engine, near the ignition coil.
- **Noise Capacitor (5.8L engine)** — is on the top left side of the engine, near the ignition coil.
- **Octane Adjust Plug (1993)** — is on the left side of the engine compartment.
- **Oil Diode (1991)** — Above rear of the left front wheel, taped in the harness.
- **Oil Pressure Switch** — is in the lower left front of the engine.
- **Oxygen Sensor** — see heated oxygen sensor.
- **PCM Power Diode (1993)** — is on the left side of the engine compartment, in the relay center.
- **PCM Power Relay (1993)** — is on the left side of the engine compartment, in the relay center.
- **PCV Valve** — is located on top of the engine, in the right valve cover.
- **Police Map Lamp Assembly (1993)** — is in the center of the windshield header.
- **Police Option Connector (1991)** — is behind the left side of the instrument panel, left side of the brake pedal support.
- **Police Option Fuse Holder (1993)** — is behind the left side of the instrument panel, on the interior fuse panel.
- **Police Power Relay (1991)** — is behind the right side of the instrument panel, on the right side of the glove box.
- **Police Power Relay (1993)** — is in the right front of the engine compartment, in the engine compartment fuse box.
- **Pressure Feedback EGR (PFE)(1993)** — is on the center rear of the engine, near the right side of the intake manifold.
- **Radio Noise Capacitor (1991)** — is on the front of the left fender apron, near the voltage regulator.
- **Radio Noise Capacitor (left, 1992-1993)** — is on the left front of the engine, on the left side of the left ignition coil.
- **Radio Noise Capacitor (right, 1992-1993)** — is on the right front of the engine, on the right side of the right ignition coil.
- **Relay Center** — is in the left side of the engine compartment, on top of the wheel well.
- **Remote Keyless Entry Module (1992-1993)** — is behind the top of the right cowl panel, behind the insulator.
- **Remote Keyless Entry Programmer Connector C207 (1993)** — is behind the top of the right cowl panel, on the remote keyless entry module.
- **SAW Check Connector C1016 (1992)** — is in the left rear of the engine compartment, near the ignition control module (ICM) module.

COMPONENT LOCATOR

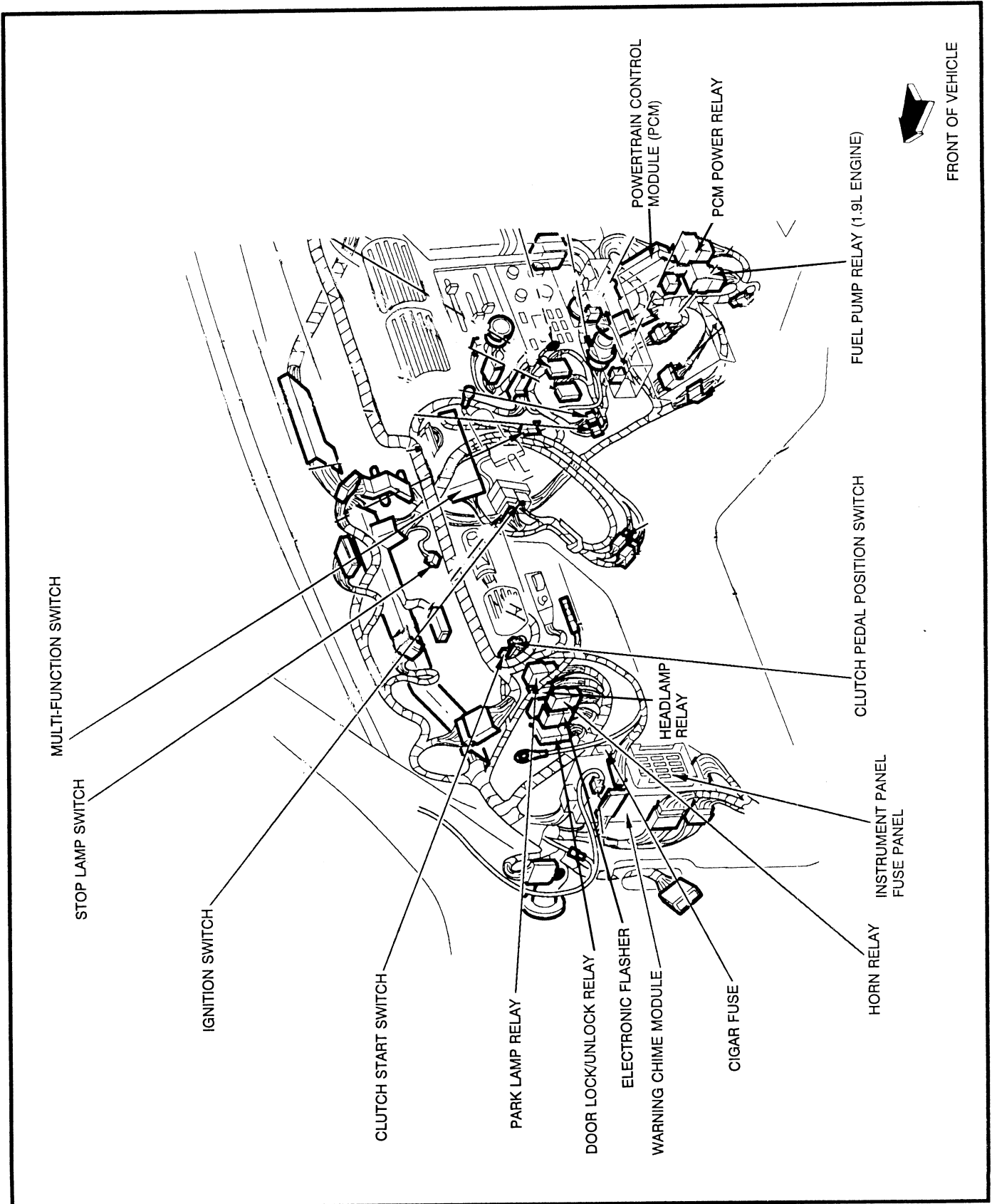
FORD MOTOR COMPANY

- **Self-Test Input (STI) Connector C199 (1993)**—is on the left side of the engine compartment, on top of the wheel well.
- **Speed Control Amplifier (1991)**—is behind the left side of the instrument panel, on the left side of the steering column.
- **Speed Control Amplifier (1992)**—is behind the left side of the instrument panel, on the right side of the steering column.
- **Speed Control Servo (1992–1993)**—is in the left rear corner of the engine compartment.
- **SPOUT Check Connector (1991)**—is on the top center of the engine.
- **SPOUT Check Connector C1016 (1993)**—is on the left rear of the engine compartment, near the ignition control module (ICM).
- **SRS Center line Forward Crash Sensor (1991)**—is on the center of the upper radiator support.
- **SRS Diagnostic Module (1991)**—is behind the center of the instrument panel, on the right side of the steering column.
- **SRS Diagnostic Module (1992–1993)**—is behind the right side of the instrument panel, above the glove box.
- **SRS Forward Crash Sensor (left)(1991)**—is on the front left fender apron.
- **SRS Forward Crash Sensor (left)(1992–1993)**—is on the left front of the vehicle, on the front of the upper radiator sensor.
- **SRS Forward Crash Sensor (right)(1991)**—is on the front of the right fender apron.
- **SRS Forward Crash Sensor (right)(1992–1993)**—is on the right front of the vehicle, on the upper radiator support.
- **SRS Passenger's Side Delete Connector (1992–1993)**—is behind the right side of the instrument panel.
- **SRS Redundant Power Supply (1991)**—is behind the left side of the instrument panel, on the Electronic Engine Control (EEC) module bracket.
- **SRS Safing Sensor**—is behind the bottom of the left cowl panel.
- **Starter Motor/Solenoid**—is on the lower rear of the engine.
- **Starter Relay**—is on the right fender apron, above the wheel well.
- **TAB Diode (1991)**—is on the right fender apron.
- **TAB Solenoid (5.0L engine)**—is on the top center of the engine, on the rear of the intake manifold.
- **TAB Solenoid (5.8L engine)**—is on the right side of the engine compartment, on top of the wheel well.
- **TFI Ignition Module (1991)**—is on the top front of the engine, on the distributor.
- **Thermactor Air Bypass**—see TAB.
- **Thermactor Air Diverter (TAD) Solenoid (5.0L engine)**—is on the top center of the engine, on the rear of the intake manifold.
- **Thermactor Air Diverter (TAD) Solenoid (5.8L engine)**—is on the right side of the engine compartment, on top of the wheel well.
- **Thermactor Control Fuse (1991)**—is in the right rear of the engine compartment.
- **Thermactor Control Relay (1991)**—is on the left side of the engine compartment, on the front of the wheel well.
- **Thermactor Dump Relay (1991)**—is on the left side of the engine compartment, on the front of the wheel well.
- **Thermactor Dump Timer (1991)**—is behind the left side of the instrument panel, below the speed control amplifier.
- **Thermal Blower Lockout Switch (1991)**—is on the top right rear of the engine.
- **Throttle Kicker Control Relay (1991)**—is on the right fender apron, above the wheel well.
- **Throttle Kicker Solenoid (1991)**—is on the top left rear of the engine.
- **Throttle Kicker Solenoid Diode (1991)**—is on the top left rear of the engine, in the take out to the throttle kicker solenoid.

- **Throttle Position (TP) Sensor(1991)**—is on the top left side of the engine.
- **Throttle Position (TP) Sensor(1992–1993)**—is on the top center rear of the engine, on the left side of the throttle body.
- **Trailer Battery Charging Relay (sedan)**—is in the left side of the trunk, behind the wheel well.
- **Trailer Battery Charging Relay (wagon)**—is in the left side of the cargo area, above the wheel well.
- **Trailer Exterior Lamps Relay (sedan)**—is in the left side of the trunk, behind the wheel well.
- **Trailer Exterior Lamps Relay (wagon)**—is in the left side of the cargo area, above the wheel well.
- **Trailer Turn Signal Relay (left, sedan)**—is in the left side of the trunk, behind the wheel well.
- **Trailer Turn Signal Relay (left, wagon)**—is in the left side of the cargo area, above the wheel well.
- **Trailer Turn Signal Relay (right, 1992–1993)**—is in the left side of the trunk, behind the wheel well.
- **Trailer Turn Signal Relay (right, sedan, 1991)**—is in the right side of the trunk, behind the wheel well.
- **Trailer Turn Signal Relay (right, wagon)**—is in the right side of the cargo area, above the wheel well.
- **Transmission Speed Sensor (1993)**—is on the left rear of the transmission.
- **Vehicle Speed Sensor (VSS)**—is on the left rear of the transmission.
- **VIP Test Connector, C198 (5.0L engine)**—is on the left side of the engine compartment, above the wheel well.
- **VIP Test Connector, C198 (5.8L engine)**—is on the left side of the engine compartment, in front of the wheel well.
- **VIP Test Connector, C198 (1992)**—is on the left side of the engine compartment, above the wheel well.
- **VIP Test Connector, C199**—is on the left side of the engine compartment, above the wheel well.
- **Voltage Regulator (5.0L engine)**—is on the left side of the engine compartment, on top of the wheel well.
- **Voltage Regulator (5.8L engine)**—is on the front of the left fender apron.
- **Warning Chime Module**—is behind the center of the instrument panel, on the right side of the steering column.
- **Windshield Washer Low Fluid Switch**—is in the left front of the engine compartment, in the windshield washer fluid reservoir.
- **Windshield Washer Pump**—is in the left front of the engine compartment, in the windshield washer fluid reservoir.
- **Windshield Wiper Motor**—is on the left side of the safety wall.
- **WOT Cutout Relay (1991)**—is on the left side of the engine compartment, in the relay center.
- **Zoned Vacuum Switches (1991)**—is on the right side of the engine compartment, on top of the wheel well.

ESCORT AND TRACER

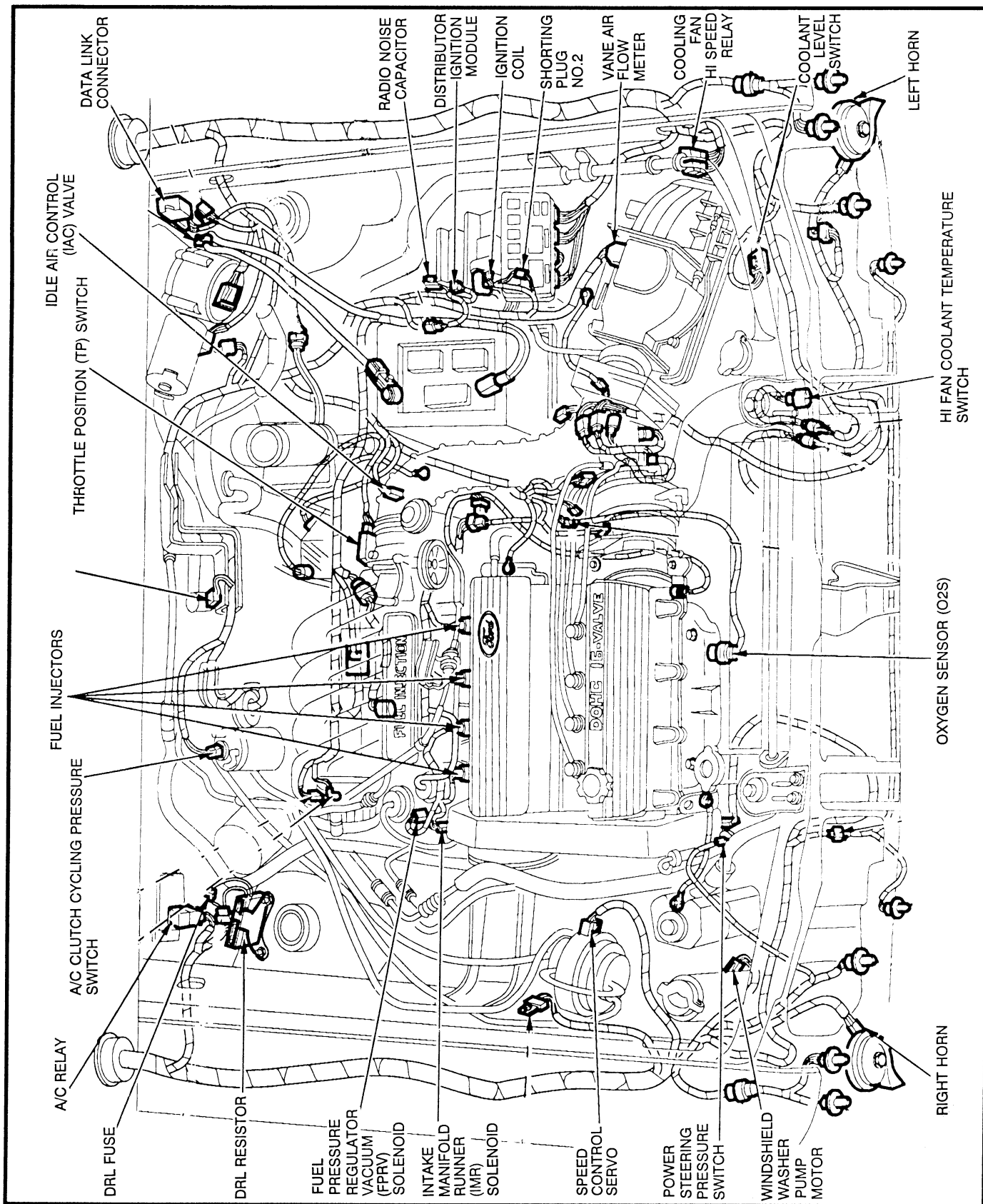
- **4EAT Control Module**—is behind the left side of the instrument panel.
- **4EAT Test Connector**—is in the left rear corner of the engine compartment.
- **A/C Clutch Diode**—is in the front right side of the engine, taped in the dash panel to the headlamp harness.
- **A/C Relay**—is on the right rear corner of the engine compartment, on the safety wall.
- **Air Charge Temperature (ACT) Sensor**—is on the top front left side of the engine compartment.
- **Backup/Upshift Switch (manual)**—is in the lower front left side of the engine compartment.
- **Blower Motor Resistors**—are behind the right side of the instrument panel, above the heater and duct assembly.



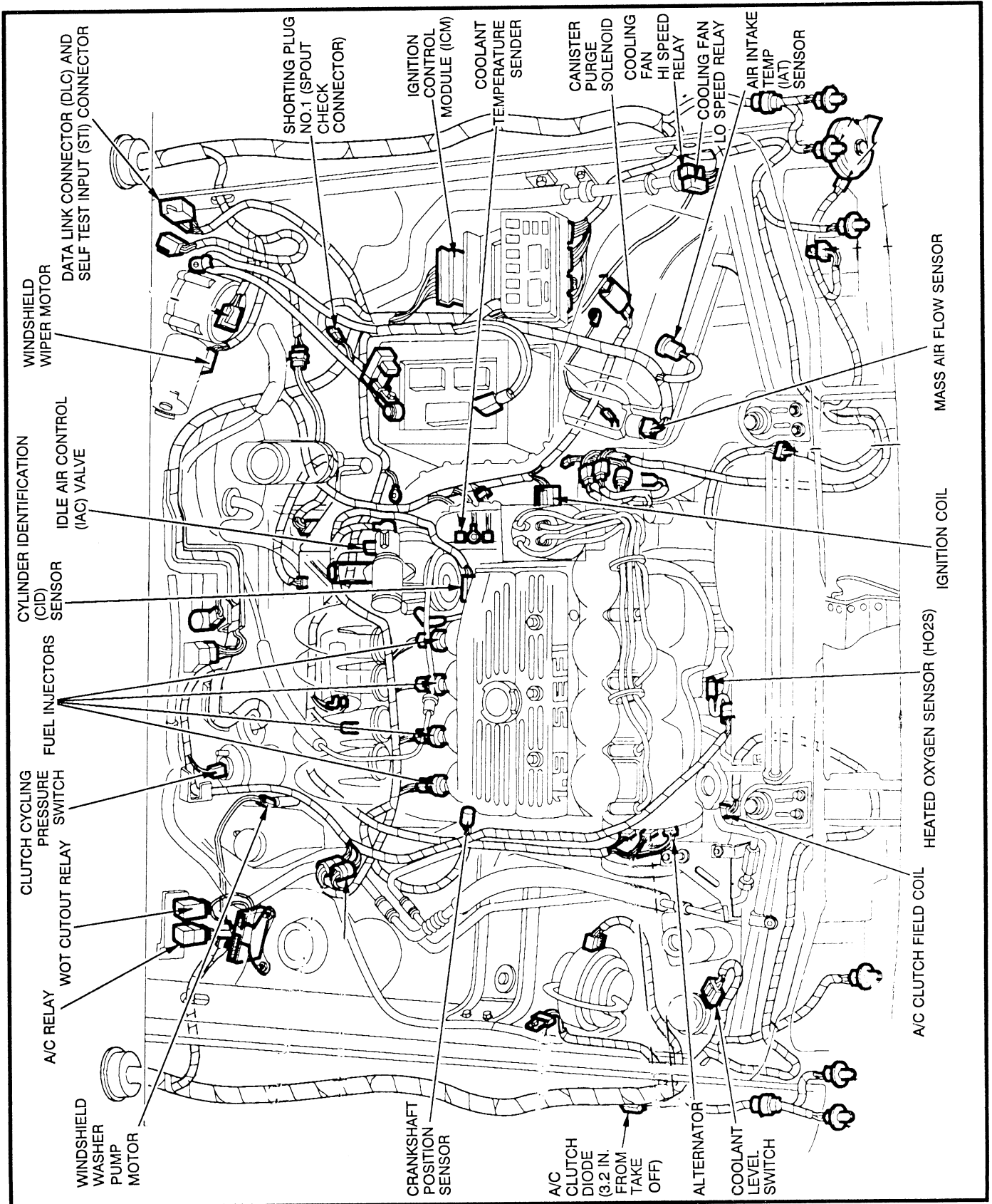
Left side of instrument panel – Escort and Tracer

COMPONENT LOCATOR

FORD MOTOR COMPANY



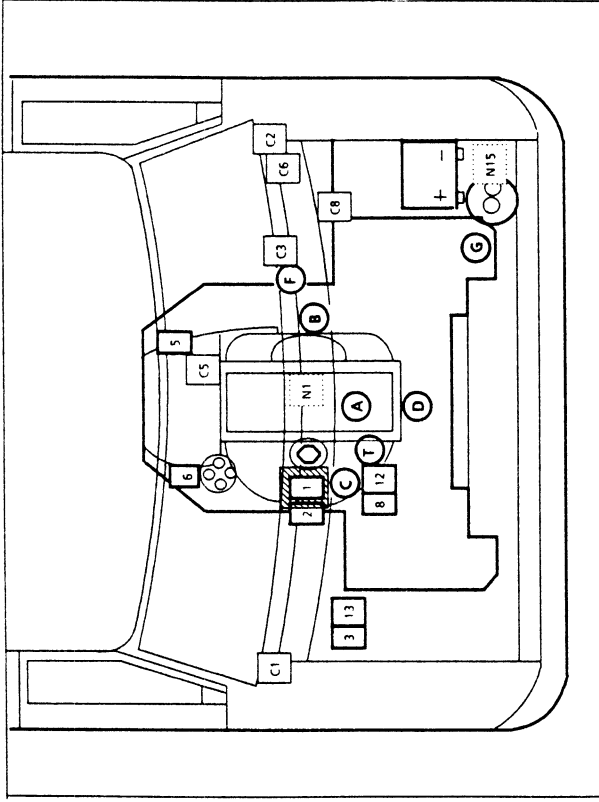
Front top of 1.8L engine – Escort and Tracer



Front top of 1.9L engine – Escort and Tracer

COMPONENT LOCATOR
CHEVROLET/GMC LIGHT TRUCKS AND VANS

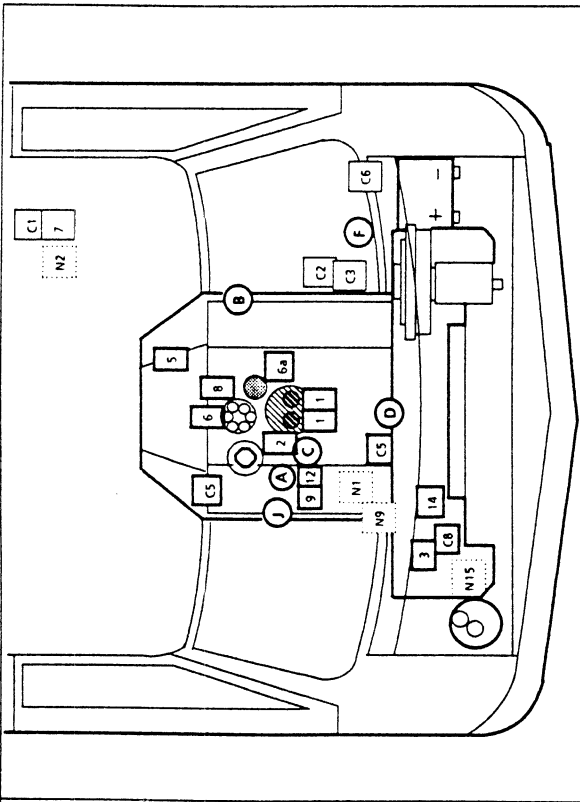
'M' SERIES RPO:LN8 ENGINE CODE:E 2.5L L4



- COMPUTER COMMAND CONTROL**
 - C1 Electronic Control Module (E.C.M.)
 - C2 ALDL diagnostic connector
 - C3 "SERVICE ENGINE SOON" light
 - C5 ECM harness ground
 - C6 Fuse panel
 - C8 Fuel pump test connector
- ECM INFORMATION SENSORS**
 - A Manifold pressure (M.A.P.)
 - B Exhaust oxygen
 - C Throttle position (T.P.S.)
 - D Coolant temperature
 - F Vehicle speed (V.S.S.)
 - G Power Steering Pressure
 - T Manifold Air Temperature (M.A.T.)
- EMISSION COMPONENTS (NOT ECM CONTROLLED)**
 - N1 Crankcase vent (PCV) valve
 - N15 Fuel vapor canister
- ECM CONTROLLED COMPONENTS**
 - 1 Fuel injector
 - 2 Idle air control
 - 3 Fuel pump relay
 - 5 Transmission Converter Clutch Connector
 - 6 Electronic Spark Timing Distributor (E.S.T.)
 - 8 Oil pressure switch
 - 12 Exhaust Gas Recirculation Vacuum Solenoid
 - 13 A/C relay

Component location — M/L Series van with 2.5L engine

'G' SERIES RPO:L03/L05 ENGINE CODE:H/K 5.0/5.7L V8



- COMPUTER COMMAND CONTROL**
 - C1 Electronic Control Module (E.C.M.)
 - C2 ALDL diagnostic connector
 - C3 "SERVICE ENGINE SOON" light
 - C5 ECM harness ground
 - C6 Fuse panel
 - C8 Fuel pump test connector
- ECM INFORMATION SENSORS**
 - A Manifold Absolute Pressure (M.A.P.)
 - B Exhaust oxygen
 - C Throttle position (T.P.S.)
 - D Coolant temperature
 - F Vehicle speed (V.S.S.)
 - J Electronic Spark Control Knock (E.S.C.)
- EMISSION COMPONENTS (NOT ECM CONTROLLED)**
 - N1 Crankcase vent valve (PCV)
 - N2 Fuel Module (5.7L only)
 - N9 Air Pump
 - N15 Fuel Vapor Canister
- ECM CONTROLLED COMPONENTS**
 - 1 Fuel injector
 - 2 Idle air control
 - 3 Fuel pump relay
 - 5 Transmission Converter Clutch Connector
 - 6 Electronic Spark Timing Distributor (E.S.T.)
 - 6a Remote ignition coil
 - 7 Electronic Spark Control module (E.S.C.)
 - 8 Oil pressure switch
 - 9 Electric Air Control solenoid (E.A.C.)
 - 12 Exhaust Gas Recirculation Vacuum Solenoid
 - 14 Transmission downshift relay (THM-400 only)

Component location — G Series van with 5.0L & 5.7L engine

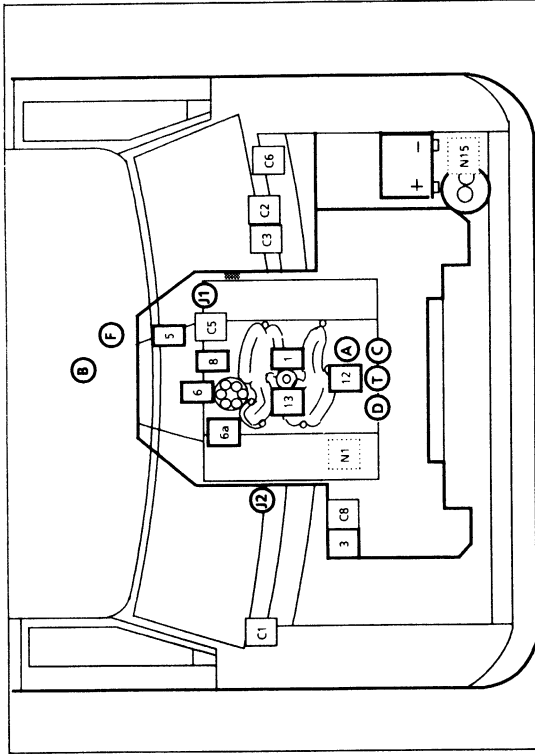
COMPONENT LOCATOR

CHEVROLET/GMC LIGHT TRUCKS AND VANS

1

SECTION

'M/L' SERIES RPO: L35 ENGINE CODE: W 4.3L V6



COMPUTER COMMAND CONTROL

ECM INFORMATION SENSORS

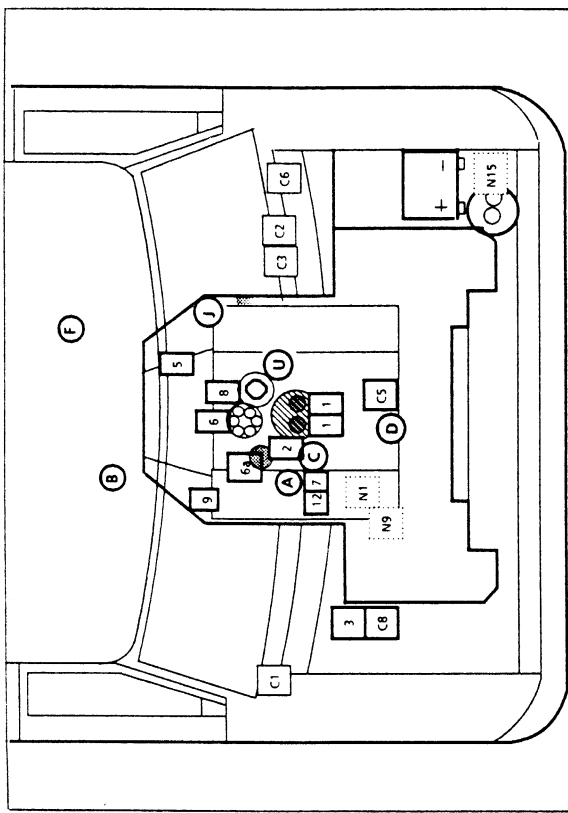
EMISSION COMPONENTS (NOT ECM CONTROLLED)

- C1 Electronic Control Module (ECM)
- A Manifold Absolute Pressure (MAP)
- N1 Crankcase Vent Valve (PCV)
- C2 ALDL diagnostic connector
- B Exhaust oxygen (O₂) sensor
- N15 Fuel vapor canister
- C3 "SERVICE ENGINE SOON" light
- C Throttle Position Sensor (TPS)
- C5 ECM harness ground
- D Coolant Temperature Sensor (CTS)
- C6 Fuse block
- F Vehicle Speed Sensor (VSS)
- C8 Fuel pump test connector
- J1 Electronic Spark Control (ESC) Knock (1 of 2)
- J2 Electronic Spark Control (ESC) Knock (2 of 2)
- T Intake Air Temperature (IAT)

ECM CONTROLLED COMPONENTS

- 1 Intake manifold tuning valve
- 2 Idle Air Control (IAC)
- 3 Fuel pump relay
- 5 Transmission connector
- 6 Electronic Spark Timing (EST) distributor
- 6a Remote ignition coil
- 7 Electronic Spark Control (EST) module
- 8 Oil pressure switch
- 12 Linear Exhaust Gas Recirculation (EGR)
- 13 Central Port Injection (CPI) injector assembly (internal)

'M' SERIES RPO: LB4 ENGINE CODE: Z 4.3L V6



COMPUTER COMMAND CONTROL

ECM INFORMATION SENSORS

EMISSION COMPONENTS (NOT ECM CONTROLLED)

- C1 Electronic Control Module (E.C.M.)
- A Manifold Absolute Pressure (M.A.P.)
- N1 Crankcase vent valve (PCV)
- C2 ALDL diagnostic connector
- B Exhaust oxygen
- N9 Air Pump
- C3 "SERVICE ENGINE SOON" light
- C Throttle position (T.P.S.)
- C5 ECM harness ground
- D Coolant temperature
- N15 Fuel Vapor Canister
- C6 Fuse panel
- F Vehicle speed (V.S.S.)
- C8 Fuel pump test connector
- J Electronic Spark Control Knock (E.S.C.)

ECM CONTROLLED COMPONENTS

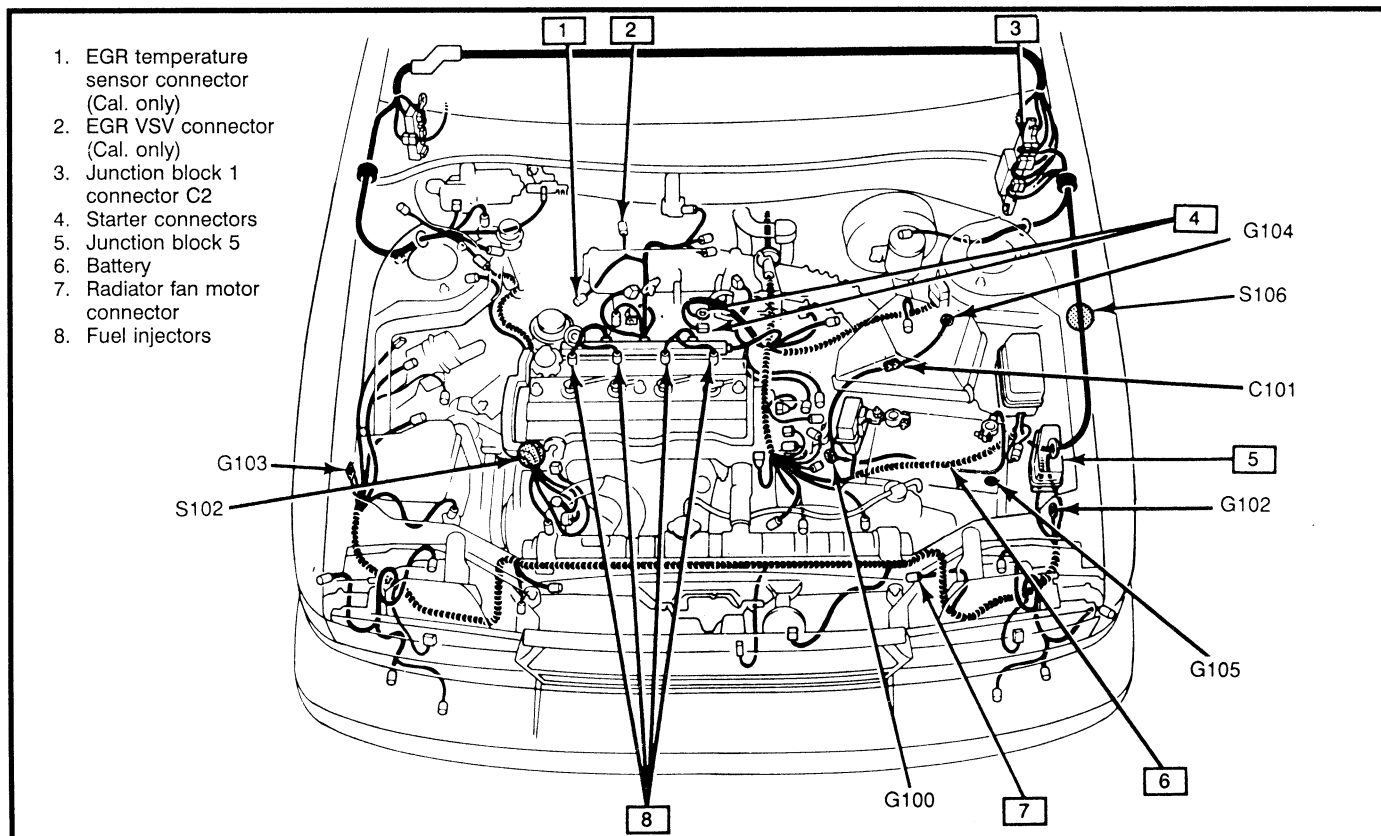
- 1 Fuel injector
- 2 Idle air control
- 3 Fuel pump relay
- 5 Transmission Converter Clutch Connector
- 6 Electronic Spark Timing Distributor (E.S.T.)
- 6a Remote ignition coil
- 7 Electronic Spark Control module (E.S.C.)
- 8 Oil pressure switch
- 9 Electric Air Control solenoid (E.A.C.)
- 12 Exhaust Gas Recirculation Vacuum Solenoid

Component location — 1992 M/L Series van with 4.3L (VIN W) engine

Component location — M/L Series van with 4.3L (VIN Z) engine

- **Exhaust Gas Recirculation (EGR) Temperature Sensor (California)**—is located on the right rear of engine, near bulkhead.
- **Exhaust Gas Recirculation (EGR) Vacuum Switching Valve (California)**—is located in rear engine compartment, near bulkhead.
- **Exhaust Oxygen Sensor**—is located in the tail pipe, near the exhaust manifold.
- **Fan Idle-Up Diode (GSI)**—is located behind the left shroud.
- **Fan Relay**—is located above the left front wheel wheel, in junction block 2.
- **Flasher Relay**—is located behind the left kick panel.
- **Fuel Pressure Regulator Vacuum Switching Valve**—is located in the left rear engine compartment, mounted on mass airflow sensor.
- **Fuel Pump Relay**—see circuit opening relay.
- **Fuse Block**—is located at junction block 1, lower left shroud.
- **Fusible Link Box**—is located on the battery positive cable.
- **Hazard Switch**—is located on the instrument panel, right of the gauge cluster.
- **Headlamp Relay**—is located above the left hand front wheel well, in junction block 2.
- **Heater Circuit Breaker**—is located behind the right hand shroud, in junction Block 4.
- **Heater Control Switch**—is located in the center of the instrument panel, above the radio.
- **Heater Relay**—is located behind the right hand shroud, in junction block 4.
- **Horn Relay**—is located above the left front wheel well, in junction block 2.
- **Horn Switch**—is located on the steering wheel center pad.

- **Idle-Up Diode**—is located behind the left side of the instrument panel, near the shroud.
- **Idle-Up Vacuum Switching Valve (VIN 5)**—is located on left rear of engine compartment, on the MAF sensor.
- **Idle-Up Vacuum Switching Valve (VIN 6)**—is located on right rear of engine.
- **Ignition Key Warning Switch**—is located in the steering column, in the lock cylinder.
- **Ignition Switch**—is located on the upper right hand side of the steering column.
- **Igniter**—is located at the right rear of the engine compartment, mounted on the bulkhead.
- **Intake Air Temperature (IAT) Sensor**—is located in the left rear of engine compartment.
- **Junction Block 1**—is located behind the left shroud.
- **Junction Block 2**—is located above the left front wheel well, in the engine compartment.
- **Junction Block 3**—is located behind the instrument panel support brace, above the steering column.
- **Junction Block 4**—is located behind the the right shroud.
- **Junction Block 5**—is located in the engine compartment, left of the battery.
- **Junction Connector**—is located behind the instrument panel, left of the steering column.
- **Manifold Absolute Pressure (MAP) Sensor**—is located in center of bulkhead, behind the intake plenum.
- **Mass Airflow Sensor** is located in left side of the engine compartment, near junction block 2.
- **Neutral Start Switch**—is located on the left side of the engine compartment, top of the transaxle.
- **Noise Filter Condenser**—is located on the left side of the engine, near junction block 2.
- **Oxygen Sensor (except GSI)**—is located in front of engine, in exhaust manifold.



Engine compartment component identification—Prizm with 1.6L (VIN 6) engine

- **Oxygen Sensor (GSI)**—is located under vehicle, near catalytic converter.
- **Oil Pressure Sending Unit**—is located in front of engine, above and to the left of the oil filter.
- **Oil Pressure Switch**—is located in the right front of the engine.
- **Parking Brake Switch**—is located on the floor.
- **Power Window Circuit Breaker**—is located behind the left kick panel, near junction block 1.
- **Power Window Master Switch**—is located in the left front door.
- **Power Window Relay**—is located behind left kick panel, near junction block 1.
- **Radiator Fan Relay**—is located above left front wheel well, in junction block 2.
- **Relay Block Cassette**—is located at junction block 1.
- **Revolution Detecting Sensor**—is mounted on rear of the A/C compressor.
- **Seat Belt Buckle Switch (left)**—is located in the left belt buckle latch.
- **Seatbelt Controller**—is located behind the dash, left of the steering column.
- **Seatbelt Belt Retractor Switch**—is located under the floor console, in front of left belt retractor.
- **Shift Lock Control Module**—is located under the floor console, in front of parking brake.
- **Shift Lock Solenoid**—is located under floor console, in front of Parking brake.
- **Stoplamp Switch**—is located behind the instrument panel, on the brake pedal support.
- **Sub-Oxygen Sensor (GSI)**—is located under vehicle, near catalytic converter.
- **Sunroof Switch**— is located on center front of the roof headliner.
- **Tail-Lamp Relay**—is located behind the left shroud, in junction box 1.
- **Throttle Positioner Sensor**—is mounted on the rear throttle assembly.
- **Transaxle Control Switch (GSI)**—is located on top of gear selector lever.
- **Turn Signal Flasher**—is located in the upper left kick panel.
- **Vehicle Speed Sensor (instrument panel)**—is mounted inside the speedometer head, in instrument panel cluster.
- **Vehicle Speed Sensor (transaxle)**—is mounted on the rear of the transaxle.
- **Washer Change Valve**—is located in engine compartment, behind the right strut tower.
- **Windshield Washer Diode**—is located behind the instrument panel, left of the steering column.
- **Windshield Wiper Cruise Control Engage Switch**—is located in the right side of the steering column.
- **Windshield Wiper Motor**—is located on the upper right side of the bulkhead.

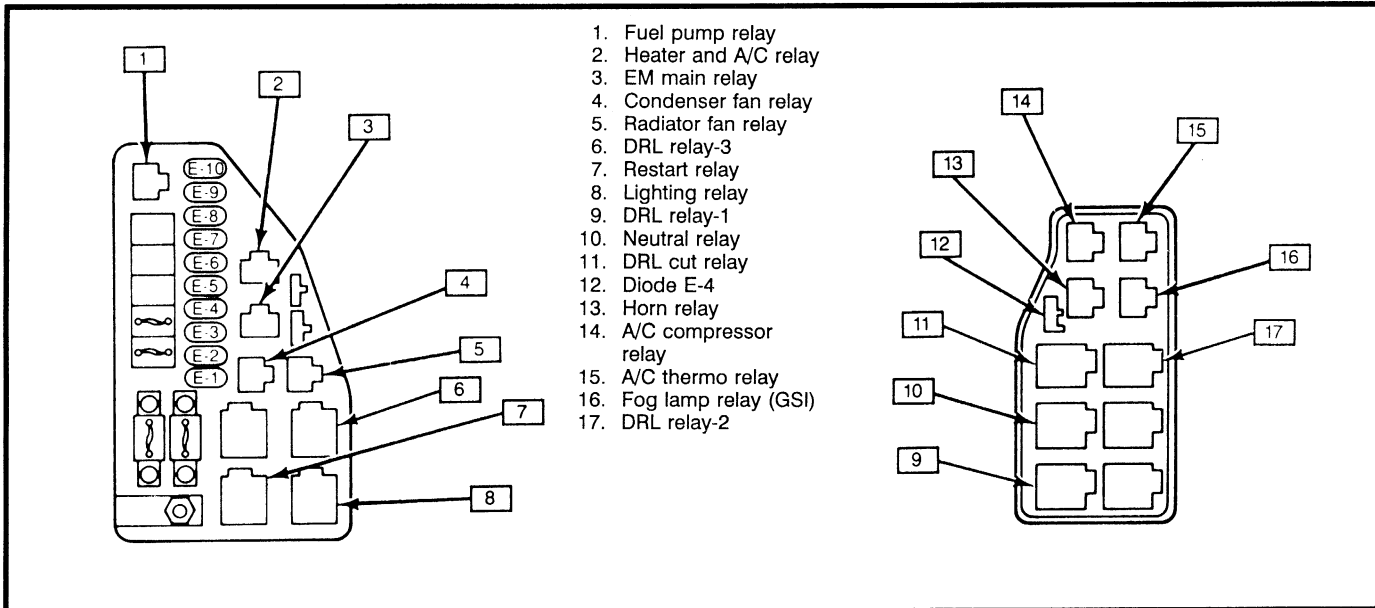
STORM

- **A/C Cut Control Unit**—is mounted of top of evaporator housing.
- **A/C Switch**—is located in center of instrument panel.
- **A/C Thermo Switch**—is located in the left front of the engine compartment, near the distributor.
- **Air Bag**—see Supplement Inflation Restraint (SIR).
- **Assembly Line Diagnostic Link (ALDL)**—is located behind the right side kick panel.
- **Audio Alarm Module**—is located behind the left side kick panel, attached to the junction block.
- **Automatic Transaxle Controller**—is located behind the dash, left of the steering column.
- **Automatic Transaxle Kickdown Switch**—is located on top of the accelerator pedal assembly.

- **Back-Up Lamp Switch**—is located on top center of transaxle.
- **Brake Fluid Switch**—is mounted on brake fluid reservoir.
- **Canister Purge Vacuum Switching Valve**—is located in the rear of the engine compartment, near the bulkhead.
- **Clutch Interrupt Switch**—is located above clutch pedal.
- **Clutch Start Switch**—is located above clutch pedal.
- **Combination Switch**—is located on left side of steering column.
- **Coolant Temperature Sensor**—is located on thermostat housing.
- **Diagnostic Connector**—is located in the right lower kick panel.
- **Diagnostic Energy Reserve Module (DERM)**—is located under center console.
- **Door Switch (left)**—is located in left door jam.
- **Door Switch (right)**—is located in right door jam.
- **Economy Switch**—is located in center of console.
- **EGR Temperature Sensor**—is located in rear of engine compartment, near the bulkhead.
- **EGR Vacuum Switching Valve**—is located in rear of engine compartment.
- **Electronic Thermo Switch**—is located on top of the evaporator housing.
- **Engine Control Module (ECM)**—is located behind the left kick panel.
- **Fan Relay**—is located in the relay box.
- **Fan Switch**—is located behind center of instrument panel.
- **Flasher Unit**—is located behind lower left instrument panel.
- **Fog Lamp Switch**—is located on instrument panel, left of steering column.
- **Fuel Pump Relay**—is located in the relay box.
- **Fuse Block**—is located behind left kick panel.
- **Fuse and Relay Box**—is located in left engine compartment.
- **Horn Relay**—is located in the relay box.
- **Idle Air Control Valve**—is located on the rear of the engine, near the bulkhead.
- **Ignition Switch**—is located on the right steering column.
- **Inhibitor Switch**—is located on top center of transaxle.
- **Intake Air Temperature Sensor**—is located rear of engine compartment, near the bulkhead.
- **Intake Air Vacuum Switching Valve**—is located rear of engine compartment.
- **Intermittent Windshield Wiper Relay**—is located behind lower left of instrument panel.
- **Junction Connector**—is located behind center of instrument panel.
- **Junction Block**—is located behind the left side kick panel.
- **Manifold Absolute Pressure (MAP) Sensor**—is located center of bulkhead.
- **Oil Pressure Switch**—is located right rear corner of engine.
- **Oxygen Sensor**—is located in engine compartment, on exhaust manifold.
- **Parking Brake Switch**—is located on parking brake.
- **Park/Neutral Switch**—is located on top center of transaxle.
- **Power Steering Pressure Switch**—is located on power steering pump.
- **Radiator Fan Thermo Switch**—is located on lower left side of radiator.
- **Rear Defogger Relay**—is located behind left side of instrument panel, in junction block.
- **Relay Box**—in right side of engine compartment, near the strut tower.

COMPONENT LOCATOR

GEO



Diode and relay identification – Storm

- **Safety Belt Switch** – is located on base of driver's safety belt buckle.
- **Shift Interlock Control Module** – is located under the center console, near the gear selector.
- **SIR Arming Sensor** – is located behind center of instrument panel
- **SIR Forward Discriminating Sensor** – is located in engine compartment behind grille.
- **SIR Module** – is located behind steering wheel.
- **SIR Passenger Compartment Sensor** – is located under center console assembly.
- **Stop Lamp Switch** – is located above the brake pedal.
- **Throttle Position Sensor** – is located on common chamber of engine.
- **Upshift Indicator Relay** – is located behind the right kick panel.
- **Upshift Indicator Switch** – is located on the transaxle, near the battery.
- **Triple Switch** – is located on the right front of the engine, near the radiator.
- **Vehicle Speed Sensor** – is located on rear of transaxle.
- **Windshield Wiper/Washer Switch** – is located on instrument panel, right of cluster.

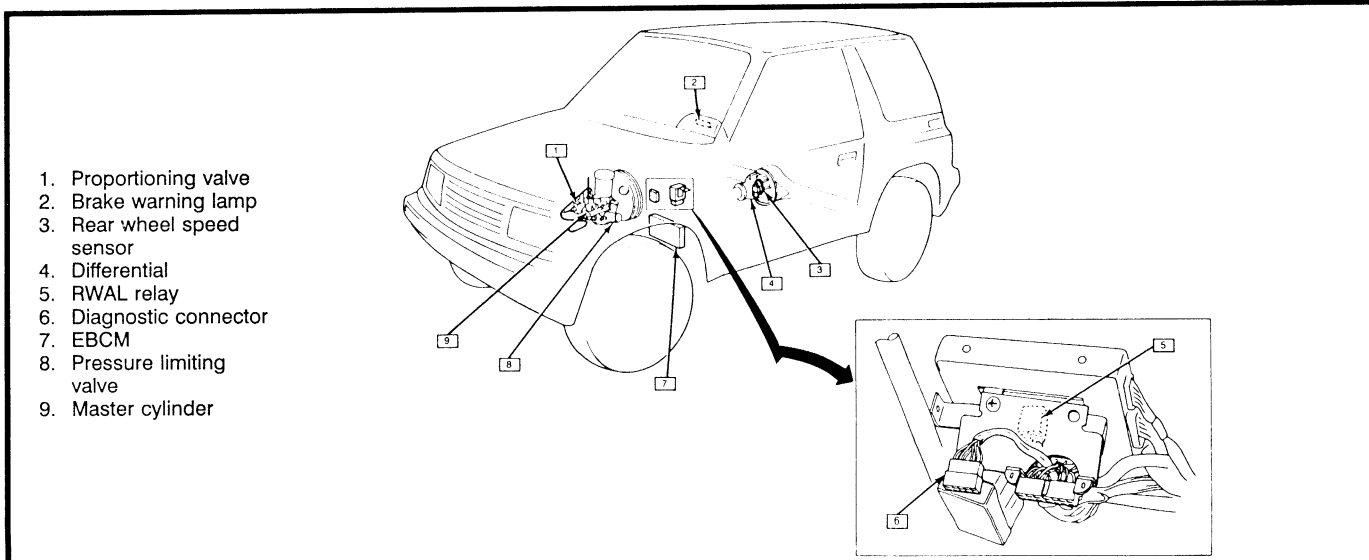
TRACKER

- **A/C Amplifier** – is located behind the right side of the dash, on the evaporator housing.
- **A/C Blower Motor Resistor** – is located behind the right side of instrument panel, in the blower motor housing.
- **A/C Blower Speed Selector Switch** – is located center of instrument panel, above radio.
- **A/C Clutch Relay** – is located inside the right fender, near the fusible link box.
- **A/C Condenser Fan Motor Relay** – is located inside right fender, near fusible link box.
- **A/C Coolant Temperature Sensor** – is located on intake plenum, behind upper radiator hose.
- **A/C Dual Pressure Switch** – is located on the right side of the radiator, on receiver/dryer.
- **A/C Fuse Holder** – is located in right engine compartment, attached to A/C clutch relay.

- **A/C Switch** – is located in the center of the instrument panel, above radio.
- **Assembly Line Diagnostic Link (ALDL)** – is located under the left side of the dash, near the fuse block.
- **Audio Alarm Module** – is located behind the dash, above the right front speaker.
- **Back-Up Switch** – is mounted on top of the transfer case.
- **Belt Buckle Switch** – is located on the driver's side seat belt buckle.
- **Brake Fluid Level Switch** – is located in left rear of engine compartment, on the brake fluid reservoir.
- **Brake Fluid Pressure Differential Switch** – is located in left rear of engine compartment, near the strut tower.
- **Canister Purge Vacuum Switching Valve** – is located on right side of engine compartment, near strut tower.
- **Check Engine Cancel Switch** – is located below steering column, behind the access panel.
- **Clutch Start Switch** – is located under left side of instrument panel, above the clutch pedal.
- **Combination Switch** – is located on the left side of the steering column.
- **Condenser Fan Motor Relay** – is located inside the right fender, near the fusible link box.
- **Control Relay** – is located under the left side of the instrument panel, left of the steering column.
- **Coolant Temperature Sensor** – is located on the right side of engine, behind coolant hose.
- **Daytime Running Lamp (DRL) Controller** – is located behind instrument panel, left of steering column.
- **Daytime Running Lamp (DRL) Resistor** – is located on the right fender, above the wheelhouse.
- **Diagnostic Terminals** – are located under the left side of the instrument panel, in the fuse box.
- **Diode Cluster** – is located on main harness, in combination switch branch.
- **Door Switch (left)** – is located at bottom right corner of door frame.
- **Door Switch (right)** – is located in bottom right corner of door frame.
- **Dual Pressure Switch** – is located on the right side of the radiator, on receiver/dryer.

- **Duty Check Coupler**—is located in the right side of the engine compartment, near the fusible link box.
- **Engine Control Module (ECM)**—is located under the left side of the instrument panel, left of steering column.
- **Exhaust Gas Recirculation (EGR) Temperature Sensor (California)**—is located on engine, left of throttle body.
- **Exhaust Gas Recirculation Vacuum Switching Valve (EGR VSV)**—is located in engine compartment, ahead of valve cover, blue connector.
- **Four Wheel Drive Indicator Switch**—is located on top of the transfer case.
- **Fuel Pump Relay**—is located under the left side of the instrument panel, mounted to the ECM.
- **Fuse Block**—is located under left side of instrument panel, left of steering column.
- **Fusible Link Box**—is located in engine compartment, on right inner fender.
- **Horn Relay**—is located under the instrument panel, mounted to the ECM.
- **Idle Speed Control Solenoid Valve**—is located on the right side of the throttle body.
- **Ignition Switch**—is located on the right side of steering column.
- **Intake Air Temperature (IAT) Sensor**—is located on the right front of the engine, below the throttle body.
- **Jumper Connector**—is located under the left side, near the ECM.
- **Key Switch**—is located on the right side of the steering column.
- **Main Relay**—is located under left side of instrument panel, mounted to ECM.
- **Manifold Absolute Pressure (MAP) Sensor**—is located behind the engine, on bulkhead.
- **Noise Suppressor Condenser**—is located on the left rear of the engine compartment, above the ignition coil.
- **Oil Pressure Switch**—is located on the left side of engine compartment, above oil filter.
- **Oxygen Sensor**—is located on left side of engine, in exhaust manifold.
- **Parking Brake Switch**—is located in front passenger's compartment, between seats.
- **Power Steering Pressure Switch**—is located in the power steering pump.
- **Pressure Limit Valve**—is located left rear of the engine compartment, near the strut tower.

- **Rear Defogger Switch**—is located in the instrument panel, left of the steering column.
- **Radio Noise Suppressor**—is located on the rear of the radio.
- **Rear Wheel Anti-Lock (RWAL) Electronic Brake Control Module (EBCM)**—is located under left instrument panel, near the fuse block.
- **Rear Wheel Anti-Lock (RWAL) Brake Diagnostic Connector**—is located under left instrument panel, near fuse block.
- **Rear Wheel Anti-Lock (RWAL) Brake Relay**—is located under the left of the instrument panel, mounted to the ECM.
- **Rear Wheel Anti-Lock (RWAL) Brake Speed Sensor**—is located in the differential housing.
- **Rear Wiper/Washer Switch**—is located in the instrument panel, right of the steering column.
- **Seat Belt Switch**—is located on floor of passenger compartment, in seat belt latch.
- **Seat Belt Relay**—is located above the left rear wheel well, behind the passenger compartment.
- **Shift Lock Diode (automatic transmission)**—is located behind the instrument panel, left of the steering column.
- **Shift Lock Relay (automatic transmission)**—is located under left side of instrument panel, above brake pedal.
- **Shift Lock Solenoid**—is located under shift selector.
- **Shift Switch (automatic transmission)**—is located on the right side of transmission.
- **Stoplamp Relay (left)**—is located behind the left rear trim panel, above the wheel well.
- **Stoplamp Relay (right)**—is located behind the left Rear Trim Panel, above wheel well.
- **Stoplamp Switch**—is located under left side of the instrument panel, above the brake pedal.
- **Throttle Position Sensor**—is located on throttle body.
- **Torque Converter Clutch Lock-Up Relay (automatic transmission)**—in engine compartment, on right inner fender, in the fuse link box.
- **Torque Converter Clutch Lock-Up Solenoid (automatic transmission)**—is located on right side of transmission.
- **Transmission Fluid Pressure Switch**—is located inside the transmission, attached to the valve body.
- **Transmission Position Switch**—is located on the right side of the transmission.
- **Turn Signal Relay**—is located under left side of instrument panel, mounted to the ECM.



RWAL brake system component locations—Tracker

SATURN

Circuit Breakers

POWER ACCESSORIES

Circuit breakers for power accessories are located in the fuse block or internal. They protect the following circuits; rear window defogger, power windows, mirrors and door locks, alarm systems, sunroofs, etc. if equipped.

Maxifuses

All models are equipped with Maxifuses which replace the traditional fusible links.

The same size Maxifuse must be used when replacing one that is blown. MaxiFuses are available from 20 to 60 amp. The Saturn only uses a 30 amp circuit. Maxifuses are located in the underhood junction block.

HEADLIGHTS

There is a 30 amp Maxifuse in the underhood junction block.

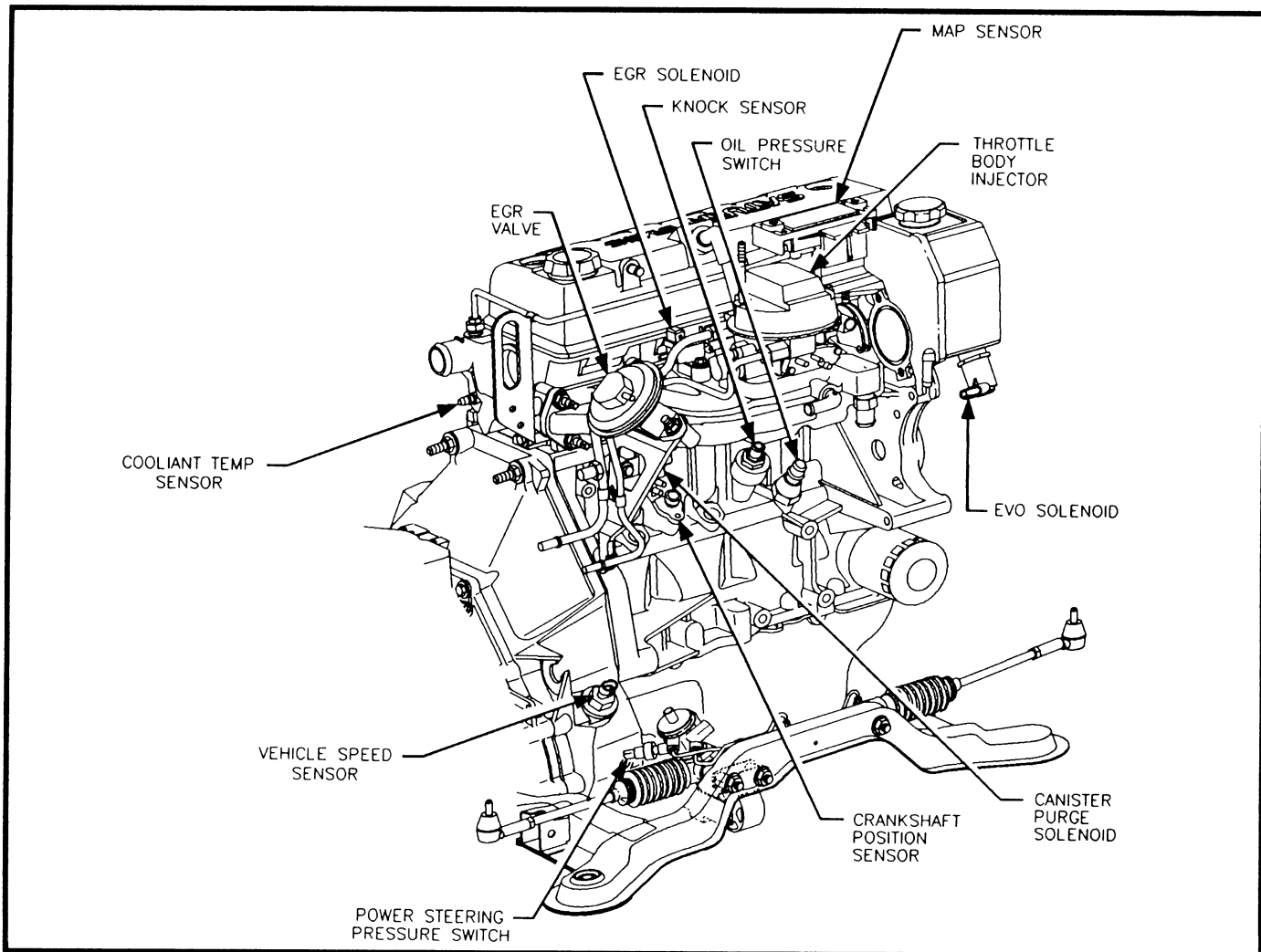
WINDSHIELD WIPERS

There is a 30 amp Maxifuse in the underhood junction block.

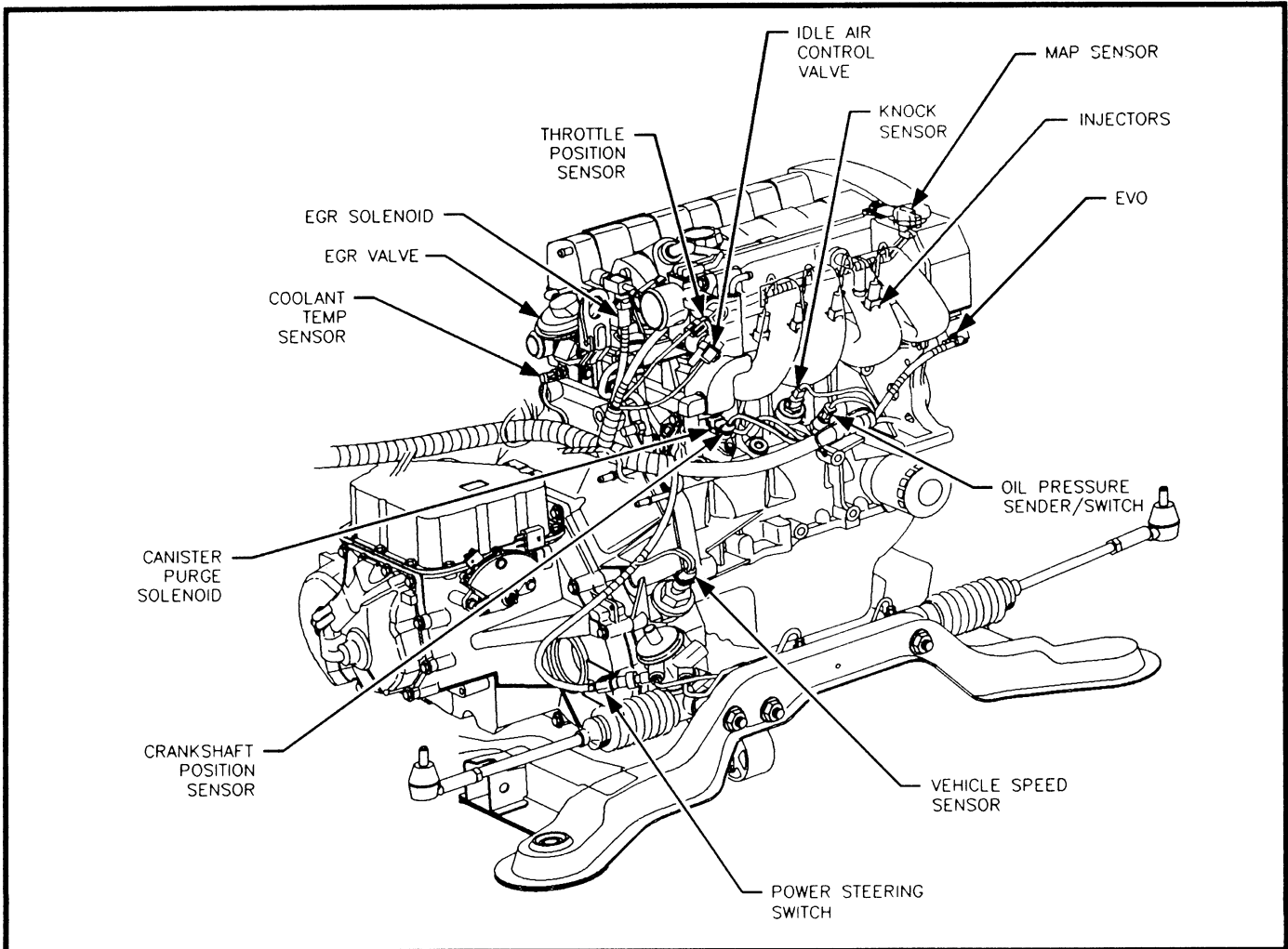
Relay, Sensor And Computer Locations

SATURN

- **A/C Blower Motor Resistors**—are located on the upper portion of the evaporator housing.
- **A/C Compressor Temperature Sensor**—is located on the A/C compressor.
- **A/C Control Relay**—is located in the Underhood Junction Block.
- **A/C Heater Blower Relay**—is located in the Instrument Panel Junction Block.
- **A/C High-Low Pressure Sensor**—is located on the left side of the engine compartment, on the A/C line.
- **A/C Recirculate Motor**—is located on the right side of the evaporator housing, in the vehicle.
- **A/C Thermal Expansion Valve (TXV)**—is located at the evaporator inlet and outlet pipes.
- **ABS Enable Relay**—is located under the left side of the instrument panel.



Engine component identification—SOHC



Engine component identification—DOHC

- **ABS Modulator/Motor Pack**—is located in the engine compartment, on the master cylinder assembly.
- **ABS Module**—is located under the left side of the instrument panel.
- **ABS Wheel Speed Sensors**—are located at each respective wheel.
- **Air Temperature Sensor**—is located on the bottom of the intake duct.
- **Assembly Line Diagnostic Link (ALDL)**—is located below the left side of the instrument panel.
- **Automatic Transmission Relay**—is located in the Underhood Junction Block.
- **Back-Up Light Switch (Automatic Transaxle)**—is an integral part of the neutral start switch and is attached to the left side of the transaxle.
- **Back-Up Light Switch (Manual Transaxle)**—is located on the transaxle, on the shifter control housing.
- **Brake Switch**—is located on the brake pedal support bracket.
- **Brake Transaxle Shift Interlock (BTSI) Solenoid**—is located under the front of the center console.
- **Brake Transaxle Shift Interlock (BTSI) Switch**—is located under the center console.
- **Canister Purge Solenoid**—is located left rear of the engine, below the intake manifold.

- **Chime Module**—is located behind the left side of the center console, in the Instrument Panel Junction Block.
- **Chime/Delayed Dome Lamp Module**—is located on the back of the Instrument Panel Junction Block.
- **Clutch Start Switch**—is located under the left side of the dash, attached to the pedal support bracket.
- **Coolant Fan Relay**—is located in the Underhood Junction Block.
- **Coolant Level Switch**—is located on the right side of the engine compartment, on the lower portion of the coolant reservoir.
- **Coolant Temperature Sensor (PCM)**—is located on the upper left side of the cylinder head (rear sensor).
- **Coolant Temperature Sensor**—is located on the upper left side of the cylinder head (front sensor).
- **Crank Position Sensor**—is located on the left rear of the engine, below the intake manifold.
- **Cruise Control Brake Switch**—is located on the brake pedal support bracket.
- **Cruise Control Module**—is located on the right side of the steering column support bracket.
- **Daytime Running Lights (DRL) Module**—is located in the Instrument Panel Junction Block.
- **Detonation (Knock) Sensor**—is located below the intake manifold, on the left rear side of the engine.

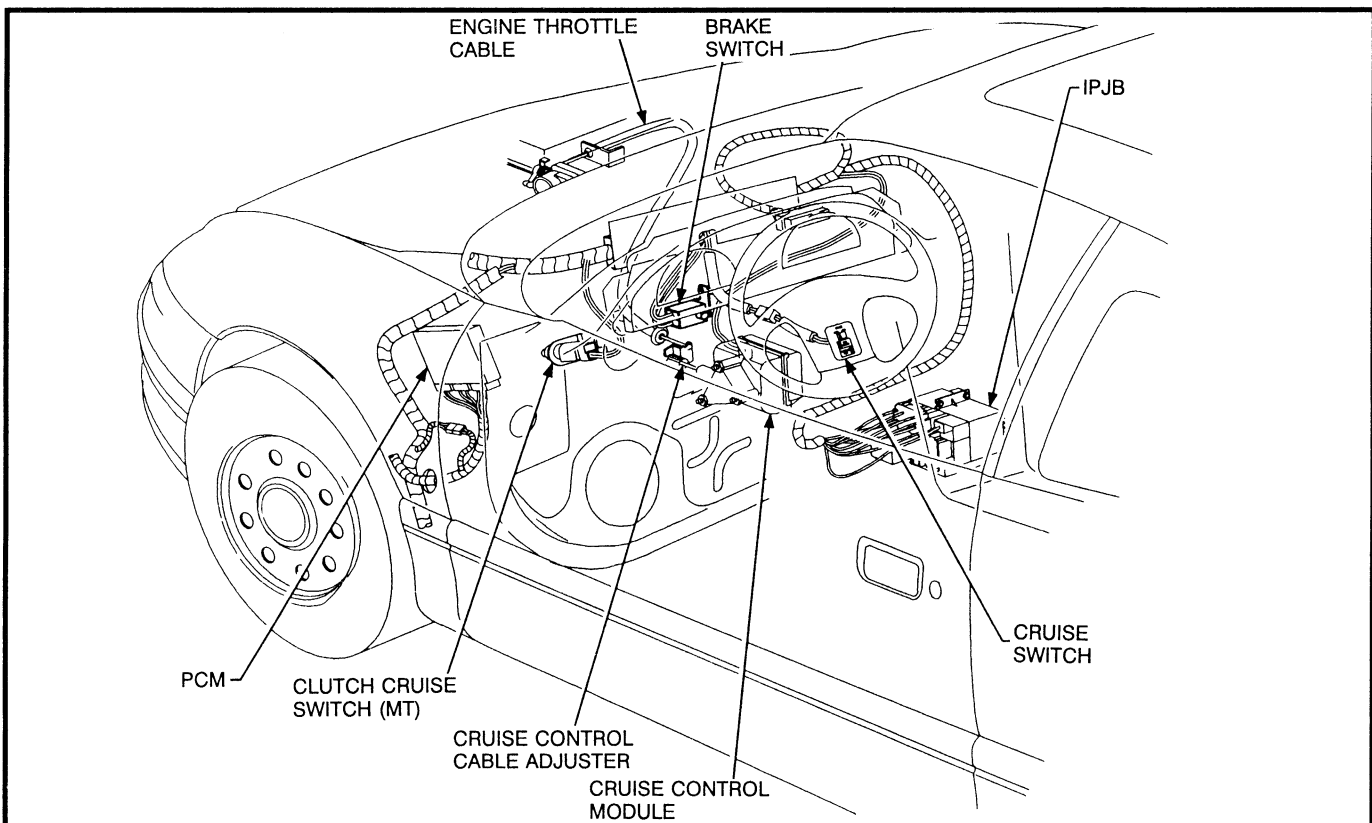
1 COMPONENT LOCATOR

SATURN

- **Distributorless Ignition Module** – is located on the left lower side of the engine/transaxle assembly.
- **Door Lock Actuator** – is located in each respective door.
- **Door Lock Relay** – is located under the drivers seat.
- **EGR Solenoid (DOHC)** – is located on the left rear end of the valve cover.
- **EGR Solenoid (SOHC)** – is located on the left rear of the engine, above the intake manifold.
- **Electric Valve Orifice (EVO) Solenoid** – is located on the power steering pump.
- **Exhaust Gas Recirculation (EGR) Valve** – is located on the upper left side of the engine.
- **Flasher Module** – is located in the Instrument Panel Junction Block.
- **Flasher Relay** – is located in the Instrument Panel Junction Block.
- **Fuel Pump Relay** – is located in the Instrument Panel Junction Block.
- **Handwheel Sensor** – is located on the steering column, under the dash, approximately 5 inches from the bulkhead.
- **Headlamp Door Controller Module** – is located beneath the Underhood Junction Block.
- **Horn Relay** – is located in the Underhood Junction Block.
- **Idle Air Control (IAC) Motor** – is located on the side of the throttle body.
- **Ignition Switch** – is located in the steering column.
- **Instrument Panel Junction Block (IPJB)** – is located under the center of the instrument panel, in front of the center console.
- **Low Brake Fluid Level Switch** – is located on the master cylinder reservoir.
- **Mainfold Absolute Pressure (MAP) Sensor** – is located on the right rear of the engine, on the valve cover.
- **Neutral Start/Back-Up Switch (Automatic Transax-**

le) – is located under the hood, attached to the left side of the transaxle.

- **Oil Pressure Switch** – is located on the lower right rear of the engine.
- **Oxygen Sensor** – is located in the front of the engine, in the exhaust manifold.
- **Passive Restraint Control Module (PRCM)** – is located under the center of the console.
- **PCV Valve** – is located on the rear of the valve cover, above the intake manifold.
- **Power Steering Pressure Switch** – is located on the left side of the steering rack.
- **Power Window Relay** – is located in the Instrument Panel Junction Block.
- **Rear Defogger Relay** – is located in the Instrument Panel Junction Block.
- **Seatbelt Lap Retractor Switch** – is located inside the seatbelt retractor.
- **Seatbelt Passive Restraint Motor** – is located behind the right and left center door sill moldings.
- **Starter Solenoid** – is located on the lower front of the engine.
- **Throttle Position Sensor** – is located on the right side of the throttle body.
- **Tranxle Fluid Temperature Sensor** – is located on the transxle, near the pressure filter.
- **Turbine Speed Sensor** – is located near the pressure filter, on the transxle case.
- **Underhood Junction Block (UHJB)** – is located on the left inner fender panel, in the engine compartment.
- **Vehicle Speed Sensor (VSS)** – is located in the engine compartment, on the left side of the transaxle.
- **Windsshield Wiper Motor Control Module** – is located left rear of the engine compartment.



Cruise control component locations – Saturn

Component Locator

2

SECTION

ACURA			
Circuit Breakers	2-2		
Fusible Links and In-Line Fuses	2-2		
Relay, Sensor, Switch, Module and			
Computer Locations	2-2		
Integra	2-2		
Legend	2-5		
NSX	2-8		
Vigor	2-12		
DAIHATSU			
Circuit Breakers	2-15		
Fusible Links	2-15		
Relay, Sensor, Switch, Module and			
Computer Locations	2-15		
Charade	2-15		
Rocky	2-16		
HONDA			
Circuit Breakers	2-16		
Fusible Links	2-16		
Relay, Sensor, Switch, Module and			
Computer Locations	2-16		
Accord	2-16		
1991 Civic and CRX	2-21		
1992-93 Civic	2-23		
Civic Del Sol	2-25		
1991 Prelude	2-27		
1992-93 Prelude	2-29		
HYUNDAI			
Circuit Breakers	2-35		
Fusible Links	2-35		
Relay, Sensor, Switch, Module and			
Computer Locations	2-35		
Excel	2-37		
1991-92 Scoupe	2-39		
1993 Scoupe	2-40		
Sonata	2-42		
INFINITI			
Circuit Breakers	2-45		
Fusible Links	2-45		
Relay, Sensor, Switch, Module and			
Computer Locations	2-45		
G20	2-45		
J30	2-47		
M30	2-50		
Q45	2-52		
ISUZU			
Circuit Breakers	2-55		
Fusible Links	2-55		
Relay, Sensor, Switch, Module and			
Computer Locations	2-56		
Impulse	2-56		
Stylus	2-58		
ISUZU TRUCKS			
Circuit Breakers	2-60		
Fusible Links	2-60		
Relay, Sensor, Switch, Module and			
Computer Locations	2-60		
Amigo and Pickup	2-60		
Rodeo	2-63		
1991 Trooper and Trooper II	2-64		
1992-93 Trooper	2-66		
LEXUS			
Circuit Breakers	2-69		
Fusible Links	2-69		
Relay, Sensor, Switch, Module and			
Computer Locations	2-69		
ES 250	2-69		
ES 300	2-72		
LS 400	2-76		
SC 300 and SC 400	2-80		
MAZDA			
Fuses and Circuit Breakers	2-84		
Fusible Links	2-84		
Relay, Sensor, Switch, Module and			
Computer Locations	2-84		
323 and Protege	2-84		
1991-92 626 and MX6	2-86		
1993 626 and MX6	2-87		
1991 929	2-89		
1992-93 929	2-90		
Miata (MX5)	2-93		
MX3	2-93		
1991 RX7	2-95		
1993 RX7	2-98		
MAZDA TRUCKS			
Circuit Breakers	2-100		
Fusible Links	2-101		
Relay, Sensor, Switch, Module and			
Computer Locations	2-101		
2200 and 2600	2-101		
MPV	2-103		
Navajo	2-104		
MITSUBISHI			
Circuit Breakers	2-105		
Fusible Links	2-106		
Relay, Sensor, Module and Computer			
Locations	2-106		
3000 GT	2-106		
Diamante	2-108		
Eclipse	2-111		
Expo and Expo LRV	2-112		
Galant	2-114		
Mirage	2-116		
Precis	2-117		
MITSUBISHI TRUCKS			
Circuit Breakers	2-119		
Fusible Links	2-119		
Relay, Sensor, Module and Computer			
Locations	2-119		
Mighty Max	2-119		
1991 Montero	2-120		
1992-93 Montero	2-121		
NISSAN			
Circuit Breakers	2-122		
Fusible Links	2-123		
Relay, Sensor, Switch, Module and			
Computer Locations	2-123		
240SX	2-123		
300ZX	2-125		
Altima	2-129		
Axxess	2-131		
Maxima	2-132		
Sentra and NX Coupe	2-134		
Stanza	2-137		
NISSAN TRUCKS			
Fuses and Circuit Breakers	2-138		
Fusible Links	2-139		
Relay, Sensor, Switch, Module and			
Computer Locations	2-139		
Pickup and Pathfinder	2-139		
Quest	2-140		
SUBARU			
Circuit Breakers	2-143		
Fusible Links	2-143		
Relay, Sensor, Switch, Module and			
Computer Locations	2-143		
Impreza	2-143		
Justy	2-144		
Legacy	2-145		
Loyale	2-146		
SVX	2-147		
XT	2-148		
SUZUKI			
Circuit Breakers	2-150		
Fusible Links	2-150		
Relay, Sensor, Switch, Module and			
Computer Locations	2-150		
Samurai	2-150		
Side Kick	2-151		
Swift	2-153		
TOYOTA			
Fuses and Circuit Breakers	2-155		
Fusible Links	2-156		
Relay, Sensor, Switch, Module and			
Computer Locations	2-157		
Camry	2-157		
Celica	2-158		
1991-92 Corolla	2-161		
1993 Corolla	2-162		
Cressida	2-163		
MR2	2-165		
Paseo	2-167		
Supra	2-169		
1991-92 Tercel	2-171		
1993 Tercel	2-172		
TOYOTA TRUCKS			
Circuit Breakers	2-173		
Fusible Links	2-173		
Relay, Sensor, Switch, Module and			
Computer Locations	2-173		
4Runner	2-173		
1991-92 Land Cruiser	2-174		
1993 Land Cruiser	2-175		
Pickup	2-177		
Previa	2-178		
T100	2-180		

ACURA

Circuit Breakers

INTEGRA

Fuse breakers are found in the instrument panel fuse box, located below the left side of the instrument panel behind the kick panel, or in the main fuse box; located at the right rear corner of the engine compartment, on the shock tower.

LEGEND

Fuse breakers may be found in the instrument panel fuse box; located under the instrument panel behind the left kick panel, or in the relay box; located on the left side of the engine compartment.

NSX

Fuse breakers may be found at 3 different locations. In the main fuse box, located in the left front corner of the engine compartment; in the dash fuse box, located under the left side of the dash in the kick panel; or in the relay box, located in the right rear corner of the front storage compartment.

VIGOR

Fuse breakers may be found in the instrument panel fuse box, located under the instrument panel behind the left kick panel; or in the fuse/relay box, located on the right side of the engine compartment.

Fusible Links and In-Line Fuses

Fusible links for the Integra are located in the fuse box, located on the right side of the engine compartment.
Fusible links for the Legend are located in the relay box, located

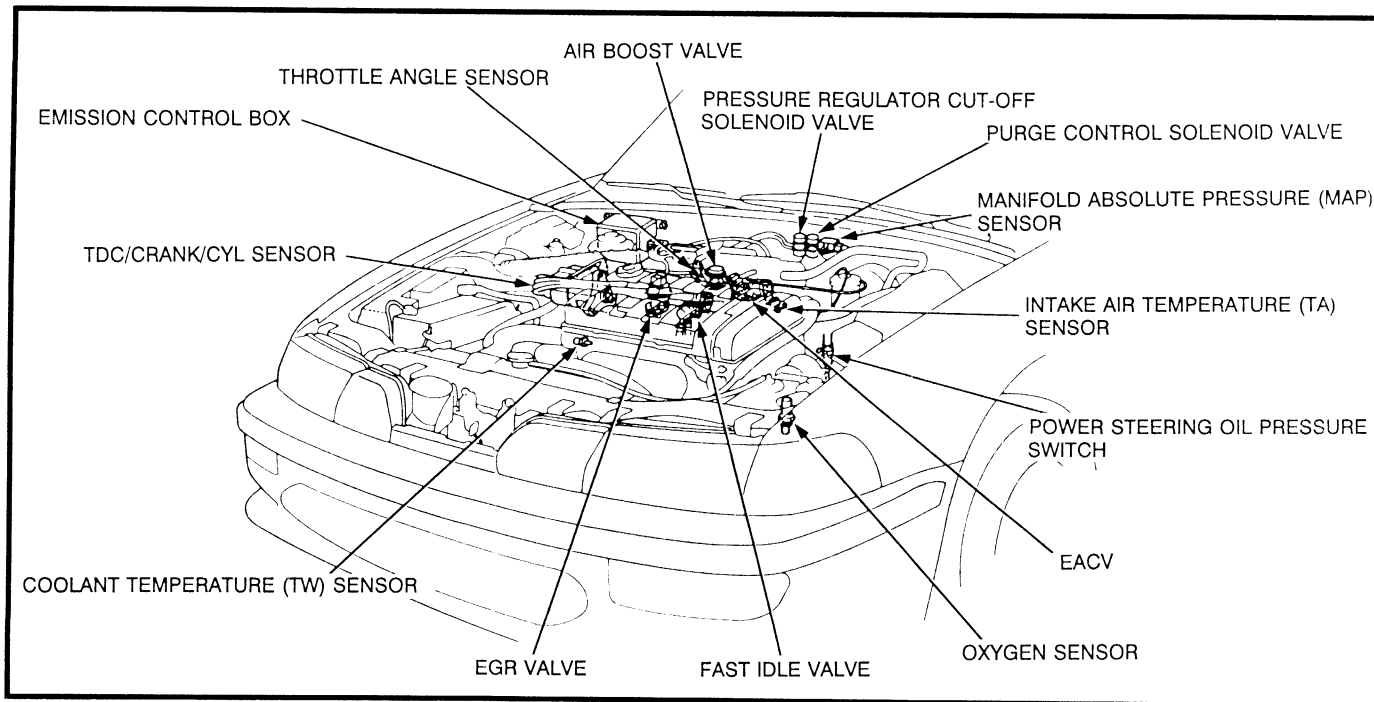
on the left side of the engine compartment.
Fusible links for the Vigor are located in the fuse/relay box, located on the right front of the engine compartment.

Relays, Sensors, Switches, Modules and Computers Locations

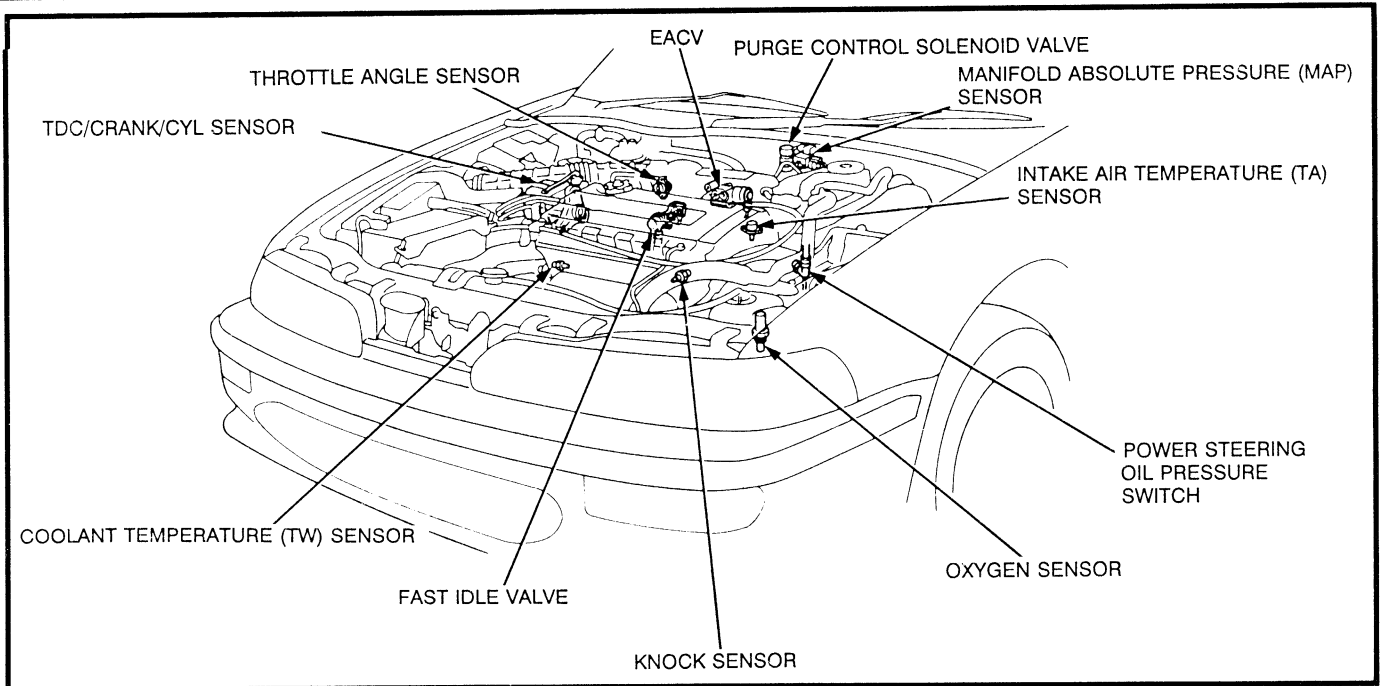
NOTE: When using this section, some of the components may not be used on a particular vehicle. This is because the particular component in question was used on an earlier or later model. If a component is not found in this section, check other vehicles with the same engine or component, as that engine or component may have been introduced earlier on different models. This section is being published from the latest information available at the time of this publication.

INTEGRA

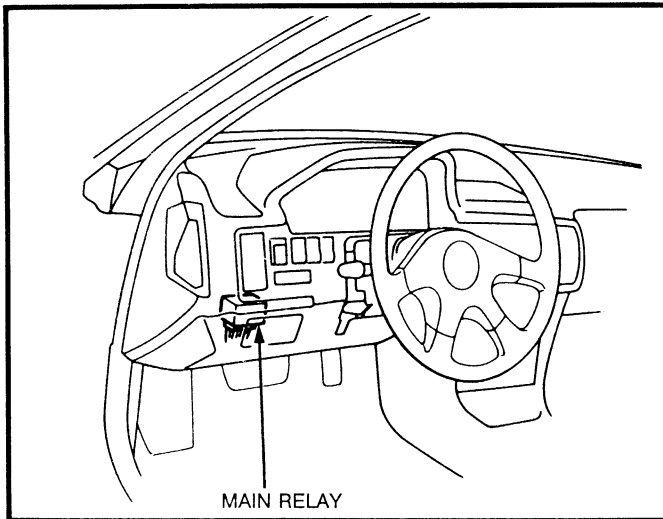
- **A/C Compressor Clutch Relay**—is on the left side of the radiator, behind the left headlamp.
- **A/C Condenser Fan Relay**—is on the left side of the radiator, behind the left headlamp.
- **A/C Diode**—is in the right rear corner of the engine compartment.
- **A/C Fan Timer Unit**—is behind the center of the instrument panel.
- **ALB Brakes**—see ABS.
- **Air Boost Valve (automatic, 1.8L engine)**—is on the top right center of the engine.
- **ABS Control Unit (hatchback)**—is on the right side of the rear passenger compartment.
- **ABS Control Unit (sedan)**—is on the right side of the trunk, above the wheel well.
- **ABS Front Fail-Safe Relay**—is on the right side of the engine compartment.



1.8L engine components – Integra

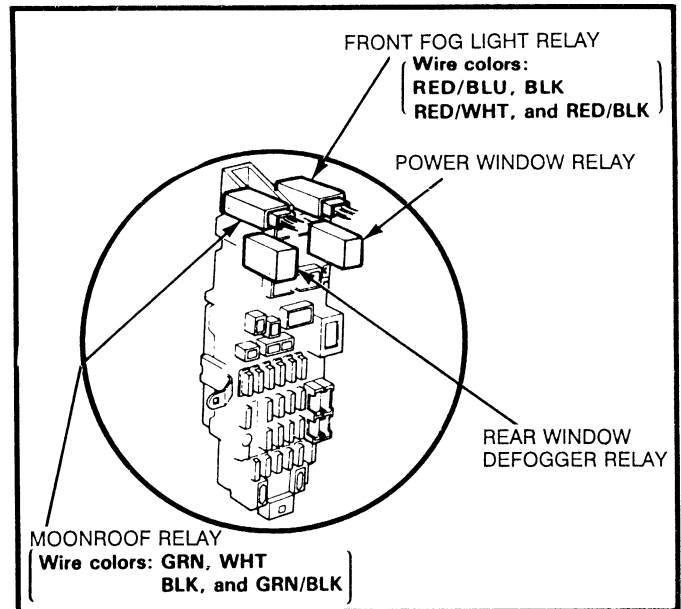


1.7L engine components – Integra



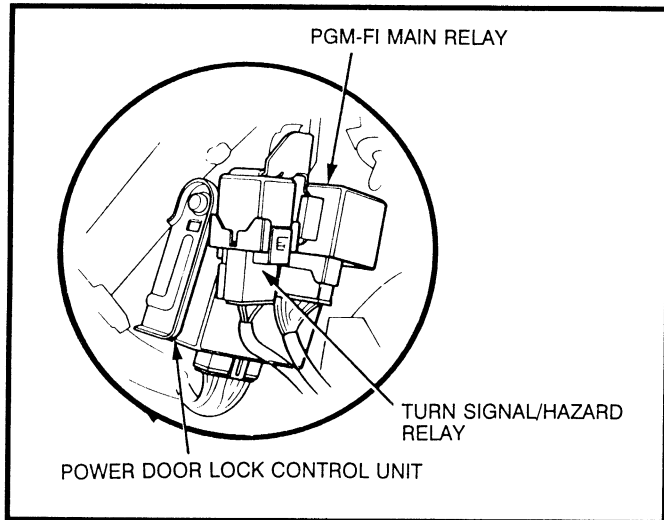
Main relay location – Integra

- **ABS Inspection Connector, C522** – is on the left side of the floor.
- **ABS Inspection Connector, C573** – is on the left side of the floor.
- **ABS Left Front Solenoid** – is on the ABS brake unit, in the right rear of the engine compartment.
- **ABS Left Front Speed Sensor** – is part of the left front brake assembly.
- **ABS Left Rear Speed Sensor** – is part of the left rear brake assembly.
- **ABS Motor Relay** – is on the right side of the engine compartment.
- **ABS Motor** – is in the lower right front of the engine compartment.
- **ABS Pressure Switch** – is in the lower right front of the engine compartment.

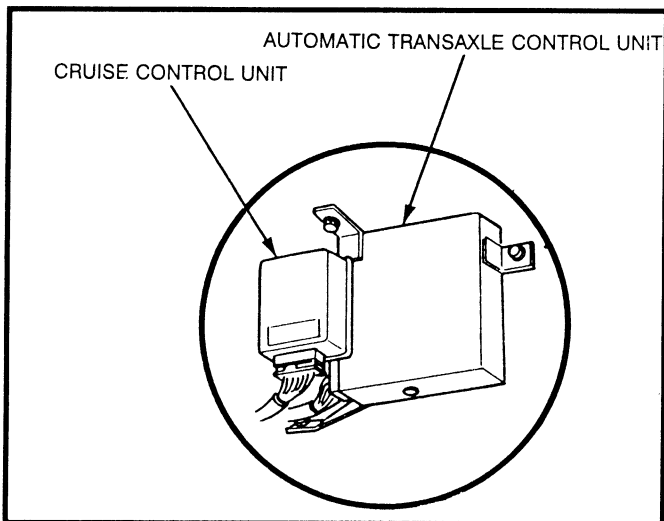


Interior fuse panel – Integra

- **ABS Rear Fail-Safe Relay** – is on the right side of the engine compartment.
- **ABS Rear Solenoid** – is on the ABS brake unit, in the right rear of the engine compartment.
- **ABS Right Front Solenoid** – is on the ABS brake unit, in the right rear of the engine compartment.
- **ABS Right Front Speed Sensor** – is part of the right front brake assembly.
- **ABS Right Rear Speed Sensor** – is part of the right rear brake assembly.
- **Anti-Lock Brakes** – see ABS.
- **Automatic Shoulder Seat Belt Control Unit** – is below the right side of the instrument panel, behind the kick panel.



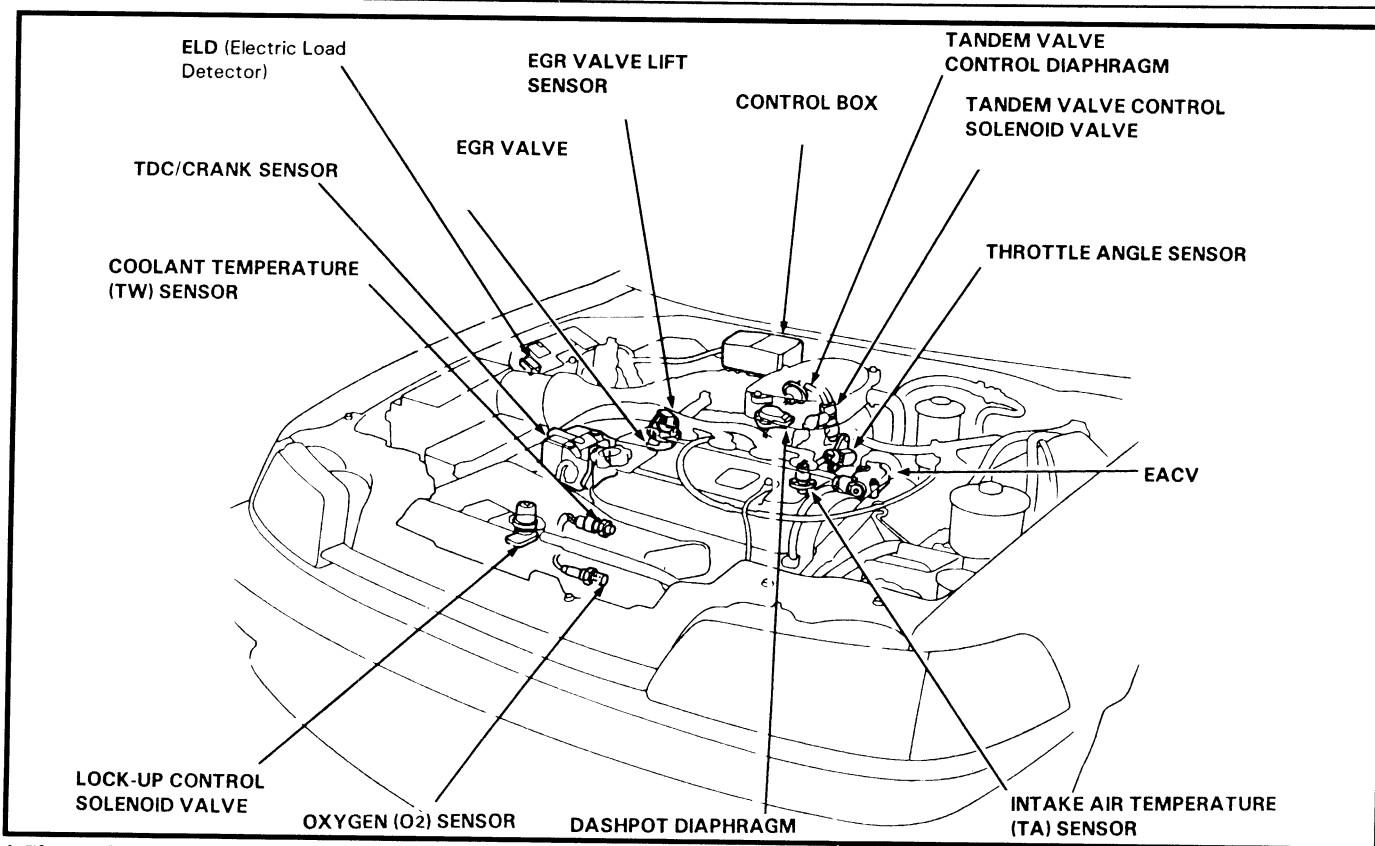
Under-dash relay – Integra



Control units – Integra

- **Automatic Transaxle Control Unit** – is behind the left side of the instrument panel.
- **Automatic Transaxle Interlock Control Unit** – is behind the center console.
- **Automatic Transaxle Lock-Up Control Solenoid** – is on the lower front of the transaxle.
- **Automatic Transaxle Pulser** – is on the top center of the transaxle.
- **Automatic Transaxle Shift Control Solenoid Valve** – is on the lower front of the transaxle, below the lock-up control solenoid.
- **Charcoal Canister** – is on the right rear of the engine.
- **Cigarette Lighter Relay** – is behind the center of the instrument panel.
- **Control Box (automatic, 1.8L engine)** – is on the right rear of the engine compartment, on the firewall.
- **Cruise Control Unit** – is behind the left side of the instrument panel, on the automatic transaxle control unit.
- **Data Link Connector, C447** – is under the right side of the instrument panel.
- **Daytime Running Lights Relay (Canada)** – is below the right side of the instrument panel, behind the kick panel.
- **Daytime Running Lights Resistor (Canada)** – is on the left side of the engine compartment, on the fender apron.

- **EGR Valve (automatic, 1.8L engine)** – is on the center rear of the engine.
- **Electronic Air Control Valve (EACV)** – is on the center rear of the engine.
- **Engine Coolant Temperature Gauge Sender** – is on the top right side of the engine.
- **Engine Coolant (TW) Temperature Sensor** – is on the top right side of the engine.
- **Engine Oil Pressure Switch** – is on the rear center of the engine.
- **Fast Idle Valve** – is on the center rear of the engine.
- **Front Fog Light Relay** – is below the left side of the instrument panel, behind the kick panel on the fuse box.
- **Fuel Gauge Sending Unit** – is under the rear of the vehicle, in the fuel tank.
- **Fuel Pressure Regulator** – is on the rear center of the engine.
- **Fuse Box (under-dash)** – is below the left side of the instrument panel, behind the kick panel.
- **Fuse Box (under-hood)** – is in the right rear corner of the engine compartment.
- **Heated Oxygen Sensor** – see oxygen sensor.
- **Horn (left)** – is behind the left side of the front bumper.
- **Horn (right)** – is behind the right side of the front bumper.
- **Ignition Coil** – is on the left side of the engine, inside of the distributor.
- **Intake Air Temperature (TA) Sensor** – is on the left rear top of the engine.
- **Integrated Control Unit** – is below the left side of the instrument panel, behind the kick panel on the fuse box.
- **Knock Sensor (1.7L engine)** – is on the front left corner of the engine.
- **Main Relay** – is under the left side of the instrument panel.
- **Manifold Absolute Pressure (MAP) Sensor** – is on the rear center of the engine compartment, on the firewall.
- **Moonroof Relay** – is below the left side of the instrument panel, behind the kick panel on the fuse box.
- **Oxygen Sensor** – is on the front left corner of the engine compartment.
- **PCV Valve** – is on the left side of the engine, in the valve cover.
- **PGM-FI Electronic Control Unit** – is below the floor on the front right side of the passenger compartment.
- **PGM-FI Main Relay** – is behind the lower left side of the instrument panel.
- **Power Door Lock Control Unit** – is behind the lower left side of the instrument panel.
- **Power Steering Oil Pressure Switch** – is on the left side of the engine compartment.
- **Power Windows Relay** – is below the left side of the instrument panel, behind the kick panel on the fuse box.
- **Pressure Regulator Cut-Off Solenoid Valve (1.8L engine)** – is on the rear center of the engine compartment, on the firewall.
- **Purge Control Solenoid Valve** – is on the rear center of the engine compartment, on the firewall.
- **Radiator Fan Relay** – is on the right side of the radiator, behind the right headlamp.
- **Rear Window Defogger Relay** – is below the left side of the instrument panel, behind the kick panel on the fuse box.
- **Starter Relay** – is on the rear center of the engine compartment, at the right rear of the heater unit.
- **TA Sensor** – see Intake Air Temperature Sensor.
- **TDC/CRANK/CYL Sensor** – is on the top right of the engine.
- **Throttle Angle Sensor** – is on the top center rear of the engine, on the throttle body.
- **Turn Signal/Hazard Relay** – is behind the lower left side of the instrument panel.
- **TW Sensor** – see Engine Coolant Temperature Sensor.



1.5L engine components—1991 Civic and CRX

- **Fuse Box (instrument panel)**—is under the left side of the instrument panel, to the left of the steering column.
- **Heater Motor Relay**—is behind the left side of the instrument panel, on the rear of the fuse box.
- **Igniter Unit**—is on the rear of the engine, in the distributor.
- **Ignition Coil**—is on the rear of the engine, in the distributor.
- **Injector Resistor**—is on the left side of the engine compartment, above the shock tower.
- **Intake Air Temperature (TA) Sensor (1.6L engine)**—is on the left side of the engine, on the front of the intake manifold.
- **Integrated Control Unit**—is under the left side of the instrument panel, on the rear of the fuse box.
- **Interlock Control Unit**—is mounted under the left front seat.
- **Intermittent Wiper Relay**—is located in the integrated control unit at the left kick panel.
- **Lock-Up Control Solenoid Valve (automatic)**—is on the right side of the engine compartment, on the transaxle.
- **Main Fuse Box**—is in the right rear corner of the engine compartment, near the firewall.
- **Main Relay**—is located under the left side of the instrument panel.
- **Manifold Absolute Pressure (MAP) Sensor**—is on the right rear of the engine compartment, on the firewall.
- **Noise Filter**—is located on the left side of the condenser fan.
- **Oil Pressure Switch**—is on the left side of the engine, in the center of the block.
- **Oxygen Sensor**—is on the right side of the engine, on the top or side of the exhaust manifold.
- **PCV Valve**—is on the left side of the engine, in the oil breather hose.

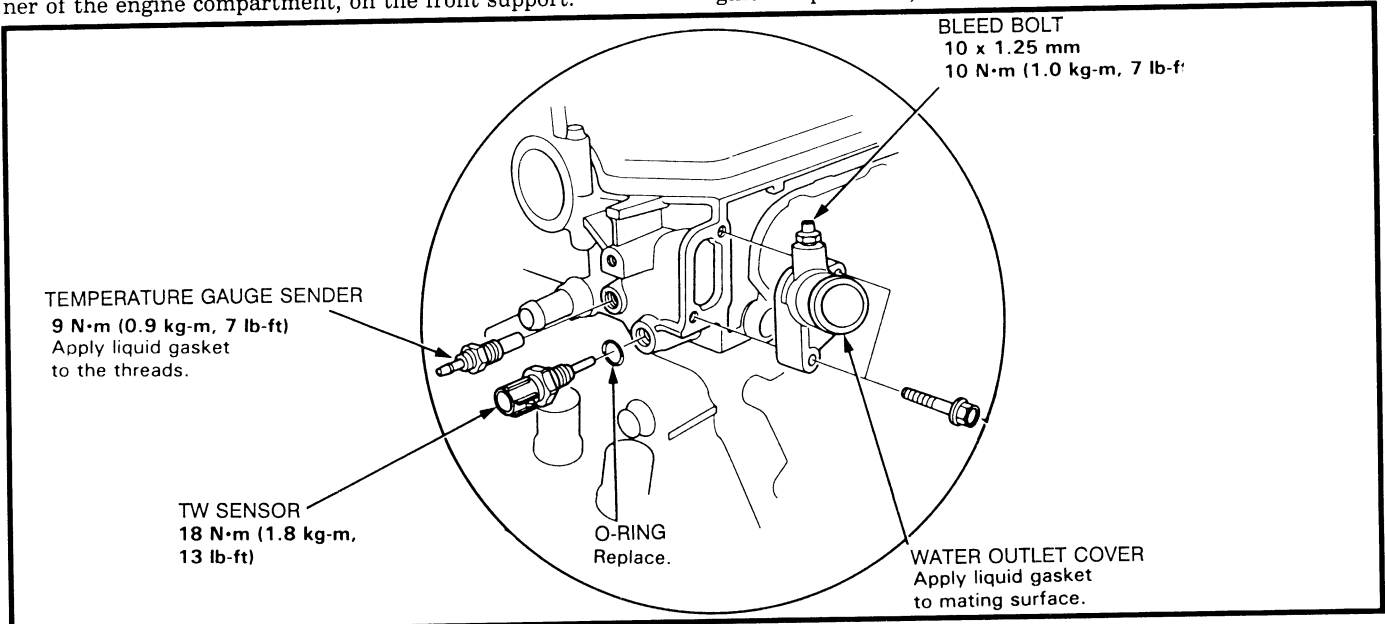
- **PGM-FI Electronic Control Unit (ECU)**—is below the right side of the instrument panel, under the floor.
- **PGM-FI Main Relay**—is under the left side of the instrument panel, behind the kick panel.
- **Power Door Lock Control Unit**—is in the front of the left front door.
- **Power Window Control Unit**—is in the front of the left front door, in the power window switch unit.
- **Power Window Relay**—is under the left side of the instrument panel, on the rear of the fuse box.
- **Purge Cut-Off Solenoid Valve**—is on the rear of the engine compartment, to the left of the MAP sensor.
- **Radiator Fan Relay**—is in the front right corner of the engine compartment.
- **Rear Window Defogger Relay**—is under the left side of the instrument panel, on the fuse box.
- **Shift Position Console Switch (automatic transmission)**—is mounted with the shift lever, in the center console.
- **Starter Relay**—is behind the lower left side of the instrument panel.
- **Sunroof Relay**—is under the left side of the instrument panel, on the fuse box.
- **TA Sensor**—see Intake Air Temperature Sensor.
- **Tandem Valve Control Solenoid Valve**—is on the rear of the engine compartment.
- **TDC/Crank Sender**—is on the rear of the engine, in the distributor.
- **Temperature Gauge Sending Unit**—is on rear of the engine.
- **Thermosensor (left)**—is on the left side of the engine, near the center of the block.
- **Thermosensor (rear)**—is on the rear of the engine, to the right of the temperature gauge sending unit.
- **Throttle Angle Sensor**—is on the left side of the engine, on the throttle body.

- **Turn Signal/Hazard Relay**—is under the left side of the instrument panel, on the fuse box.
- **TW Sensor**—see Engine Coolant Temperature Sensor.
- **Two Way Valve**—is located at the left side of the fuel tank.

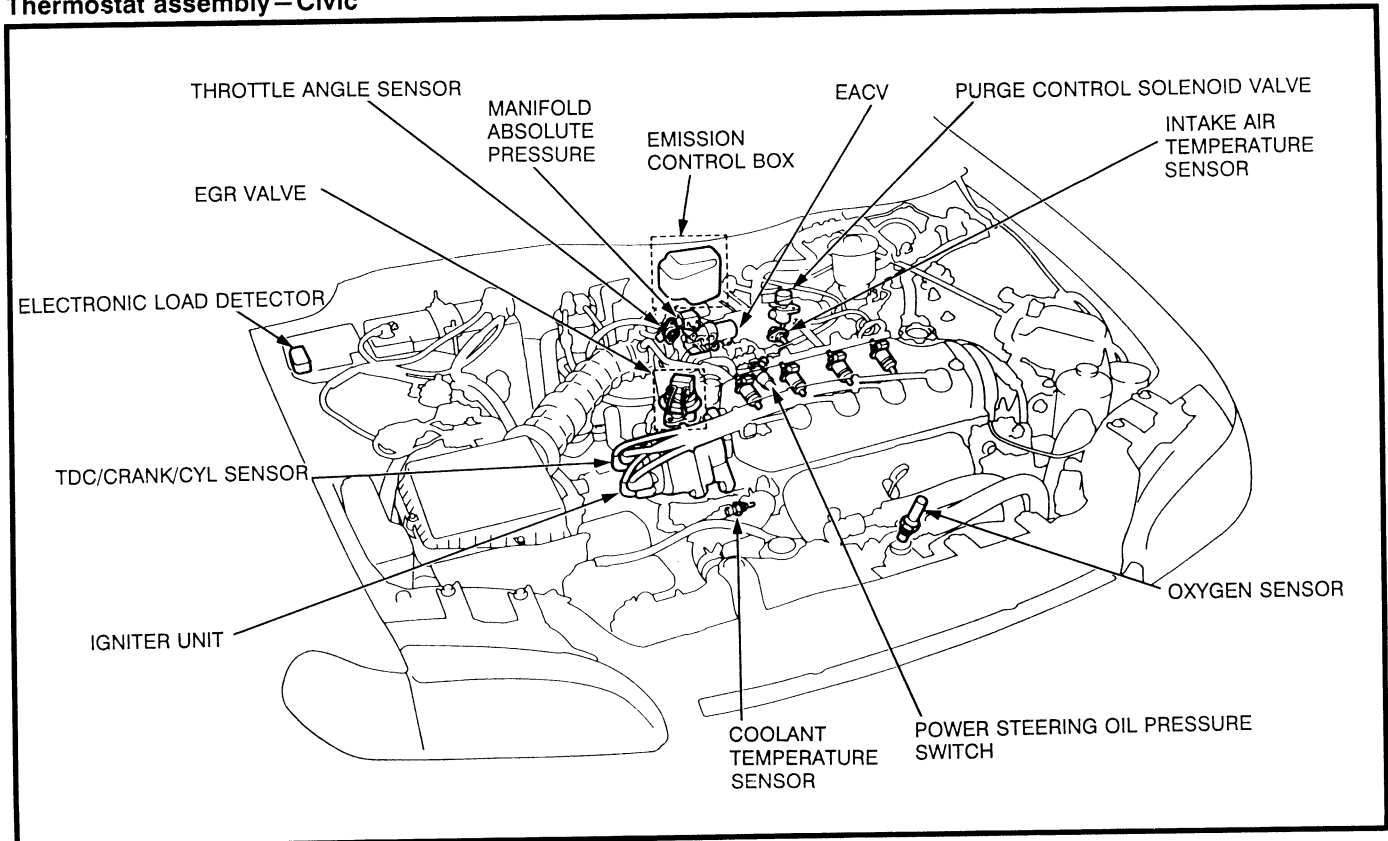
1992-1993 CIVIC

- **A/C Compressor Clutch Relay**—is in the front left corner of the engine compartment, on the front support.

- **ABS Control Unit**—is in the right rear of the trunk compartment.
- **ABS Front Fail-Safe Relay**—is in the front right corner of the engine compartment, in the ABS fuse/relay box.
- **ABS Fuse/Relay Box**—is in the front right corner of the engine compartment, in front of the shock tower.
- **ABS Motor Relay**—is in the front right corner of the engine compartment, in the ABS fuse/relay box.



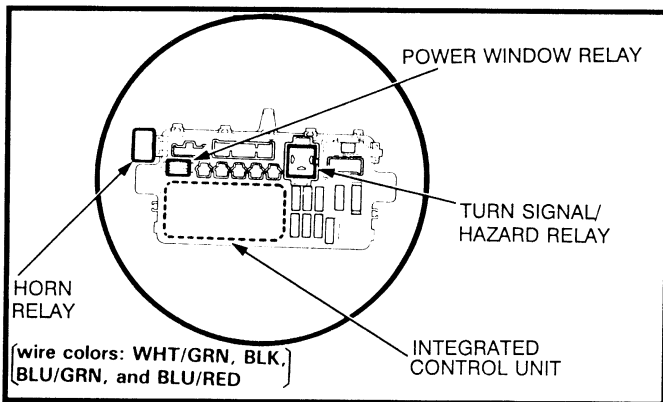
Thermostat assembly – Civic



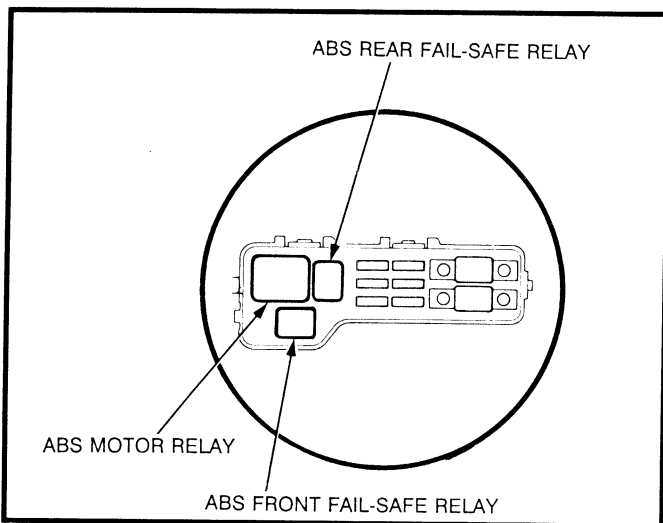
Engine components (typical, 1.5L VTEC engine shown) – Civic

SECTION 2 COMPONENT LOCATOR

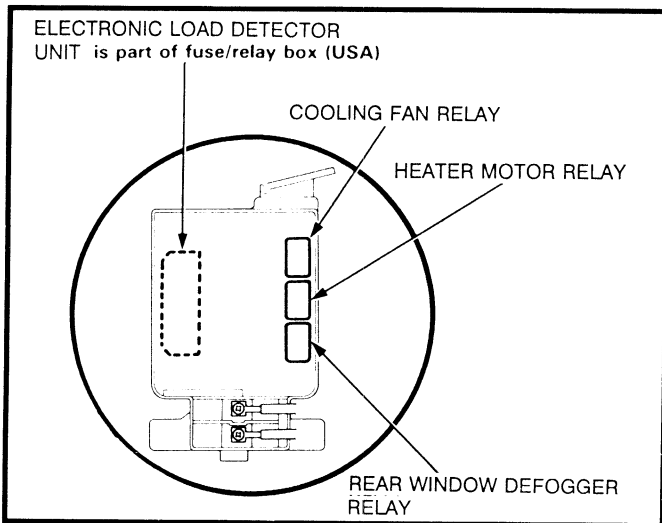
HONDA



Under-dash fuse box – Civic



ABS fuse/relay box – Civic



Under-hood fuse/relay box – Civic

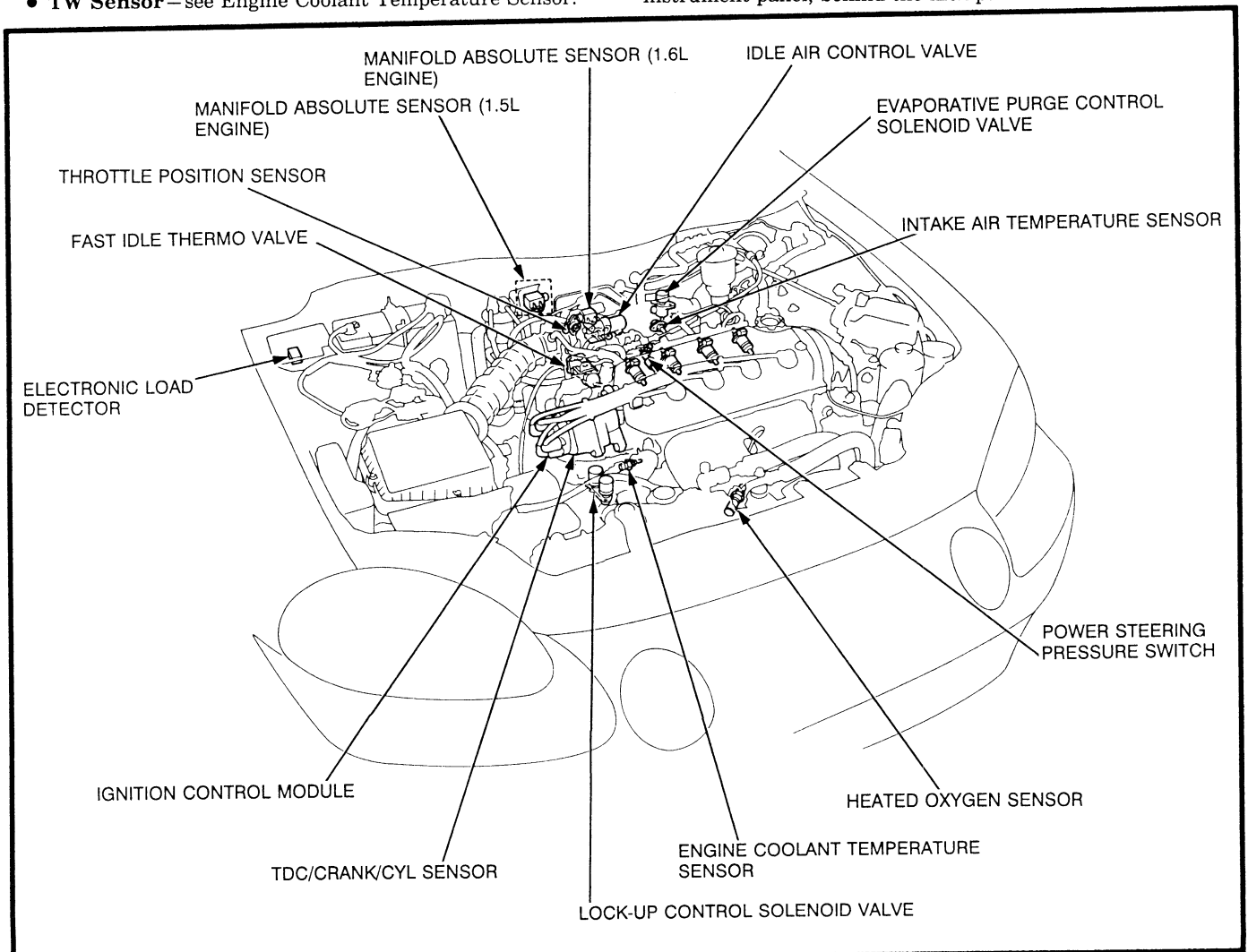
- **ABS Rear Fail-Safe Relay** – is in the front right corner of the engine compartment, in the ABS fuse/relay box.
- **ABS Speed Sensor (left front)** – is in the left front brake assembly.
- **ABS Speed Sensor (left rear)** – is in the left rear brake assembly.

- **ABS Speed Sensor (right front)** – is in the right front brake assembly.
- **ABS Speed Sensor (right rear)** – is in the right rear brake assembly.
- **Air Bags** – see SRS.
- **ALB** – see ABS.
- **Anti-Lock Brakes** – see ABS.
- **Cooling Fan Relay (radiator)** – is in the right rear corner of the engine compartment, in the fuse/relay box.
- **Cruise Control Unit** – is behind the left side of the instrument panel.
- **Daytime Running Lamps Resistor (Canada)** – is in the left rear corner of the engine compartment, behind the shock tower.
- **Daytime Running Lights Control Unit (Canada)** – is behind the left side of the instrument panel, attached to the cruise control unit.
- **EGR Valve (1.5L VTEC-E engine)** – is on the left front of the engine, in front of the intake manifold.
- **Electric Load Detector (ELD) Unit** – is in the right rear corner of the engine compartment, in the fuse/relay box.
- **Electric Load Detector (ELD)** – is in the right rear corner of the engine compartment.
- **Electronic Air Control Valve (EACV)** – is on the left side of the engine, on the left side of the intake manifold.
- **Emission Control Box (1.5L VTEC-E engine)** – is on the rear of the engine, on the firewall.
- **Engine Coolant Temperature Sensor (TW)** – is on the top of the engine, near the number 3 cylinder.
- **Fuel Injection** – see PGM-FI.
- **Fuse Box (under dash)** – is under the left side of the instrument panel.
- **Fuse/Relay Box (under hood)** – is in the right rear corner of the engine compartment, behind the shock tower.
- **Heater Motor Relay** – is in the right rear corner of the engine compartment, in the fuse/relay box.
- **Horn Relay** – is under the left side of the instrument panel, in the fuse box.
- **Igniter Unit** – is on the rear of the engine.
- **Intake Air Temperature (TA) Sensor** – is on the left side of the engine, on the left side of the intake manifold.
- **Integrated Control Unit** – is under the left side of the instrument panel, in the fuse box.
- **Interlock Control Unit (automatic transmission)** – is behind the left side of the instrument panel.
- **Main Relay** – is under the left side of the instrument panel.
- **Manifold Absolute Pressure (MAP) Sensor (1.5L 8 valve engine, 1.5L VTEC-E engine and 1.6L VTEC engine)** – is on the left rear of the engine, on top of the throttle body.
- **Manifold Absolute Pressure (MAP) Sensor (1.5L 16 valve engine)** – is on the rear of the engine compartment, on the firewall.
- **Moonroof Close Relay** – is behind the left side of the instrument panel, near the starter cut relay.
- **Moonroof Open Relay** – is behind the left side of the instrument panel, near the starter cut relay.
- **Oil Pressure Switch** – is on the left side of the engine, in the center of the engine block.
- **Oxygen Sensor** – is on the right side of the engine, on the top or the side of the exhaust manifold.
- **PCV Valve** – is on the top of the engine, in the valve cover.
- **PGM-FI Electronic Control Unit (ECU)** – is below the right side of the instrument panel, behind the kick panel.
- **PGM-FI Main Relay** – is under the left side of the instrument panel.
- **Power Door Lock Control Unit** – is in the front top of the front left door.
- **Power Steering Oil Pressure Switch** – is on the left side of the engine compartment, on the power steering fluid line.

CIVIC DEL SOL

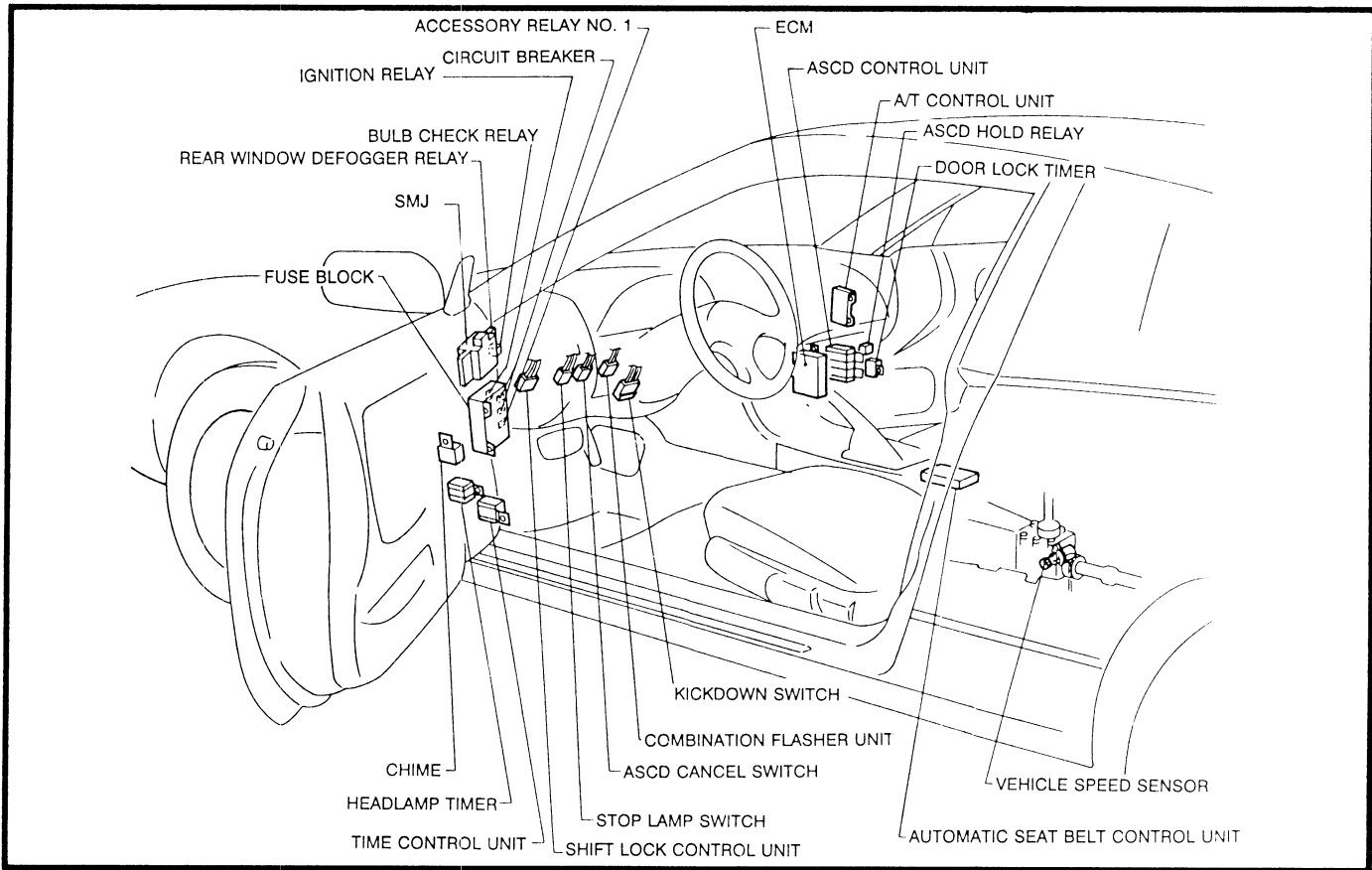
- **Power Window Control Unit**—is in the front top of the front left door, in the power window switch assembly.
- **Power Window Relay**—is under the left side of the instrument panel, in the fuse box.
- **Purge Control Solenoid Valve**—on the left side of the engine.
- **Purge Cut-Off Solenoid Valve**—is on the left side of the engine, on the top left side of the intake manifold.
- **Rear Window Defogger Relay**—is in the right rear corner of the engine compartment, in the fuse/relay box.
- **SRS Dash Sensor (left)**—is behind the lower left side of the instrument panel.
- **SRS Dash Sensor (right)**—is behind the lower right side of the instrument panel.
- **SRS Unit**—is under the center of the instrument panel, in front of the console.
- **Starter Cut Relay**—is behind the left side of the instrument panel.
- **TA Sensor**—see Intake Air Temperature Sensor.
- **TDC/Crank/CYL Sensor**—is on the rear of the engine, in the distributor.
- **Temperature Gauge Sender**—on the top of the engine, near the number 3 cylinder.
- **Turn Signal/Hazard Relay**—is under the left side of the instrument panel, in the fuse box.
- **TW Sensor**—see Engine Coolant Temperature Sensor.

- **A/C Compressor Clutch Relay**—is on the front left of the engine compartment, on the radiator support.
- **Air Bag**—see SRS.
- **Automatic Transaxle Gear Position Switch**—is located under the center console, right of the transaxle selector.
- **Auxiliary Light Relay**—is behind the left side of the instrument panel, behind the kick panel.
- **Back-Up Light Switch (manual transaxle)**—is on the right side of the engine compartment, on top of the transaxle.
- **Brake Fluid Level Switch**—is on the left rear of the engine compartment, on the firewall.
- **Condenser Fan Relay**—is on the front left of the engine compartment, on the radiator support.
- **Cruise Control Unit**—is behind the left side of the instrument panel, behind the kick panel.
- **Daytime Running Lights Control (Canada)**—is behind the left side of the instrument panel, behind the kick panel.
- **Daytime Running Lights Resistor (Canada)**—is on the rear left corner of the engine compartment, behind the shock tower.
- **Electronic Load Detector (ELD)**—is on the rear right corner of the engine compartment, in the fuse/relay box.
- **Engine Control Module**—is below the right side of the instrument panel, behind the kick panel.

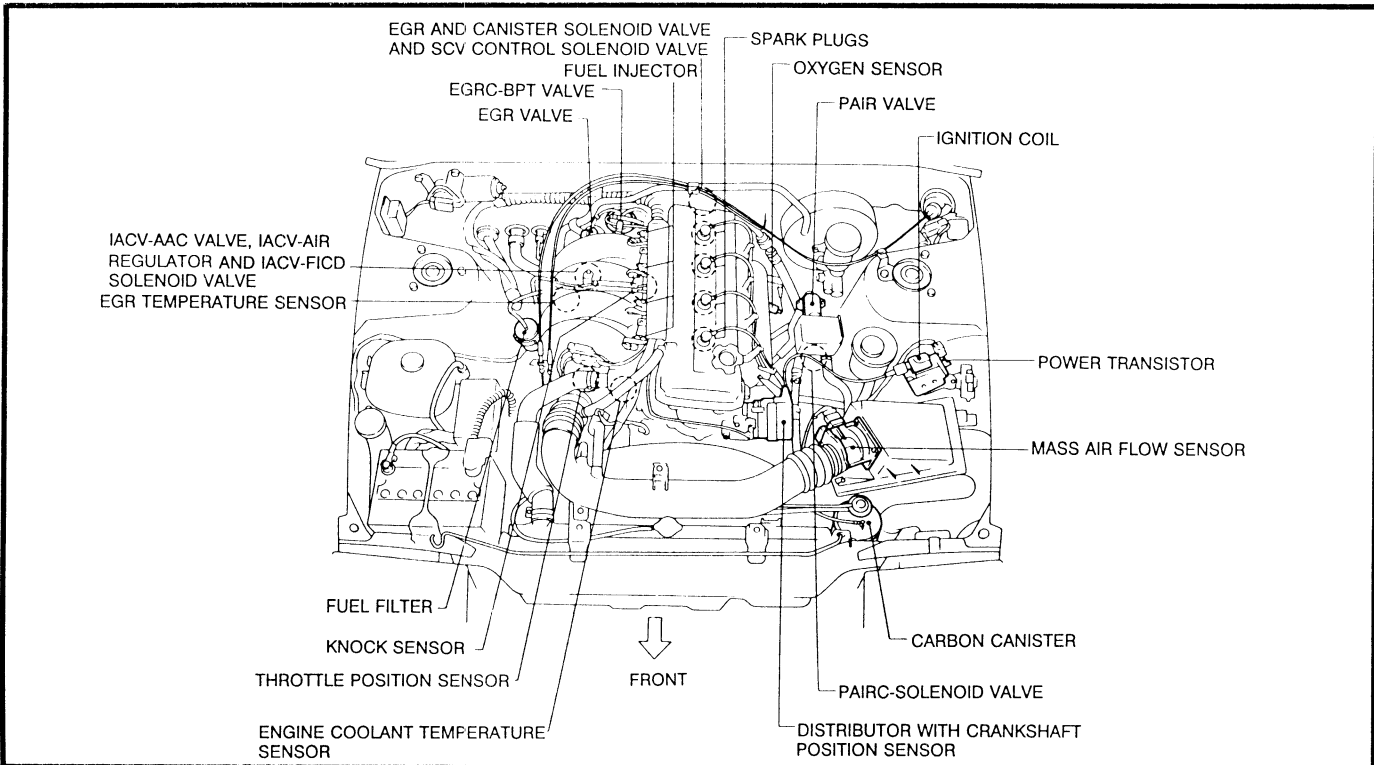


Engine components—Civic del Sol

SECTION 2 COMPONENT LOCATOR
NISSAN



Interior components – 240SX



Emission control components – 240SX

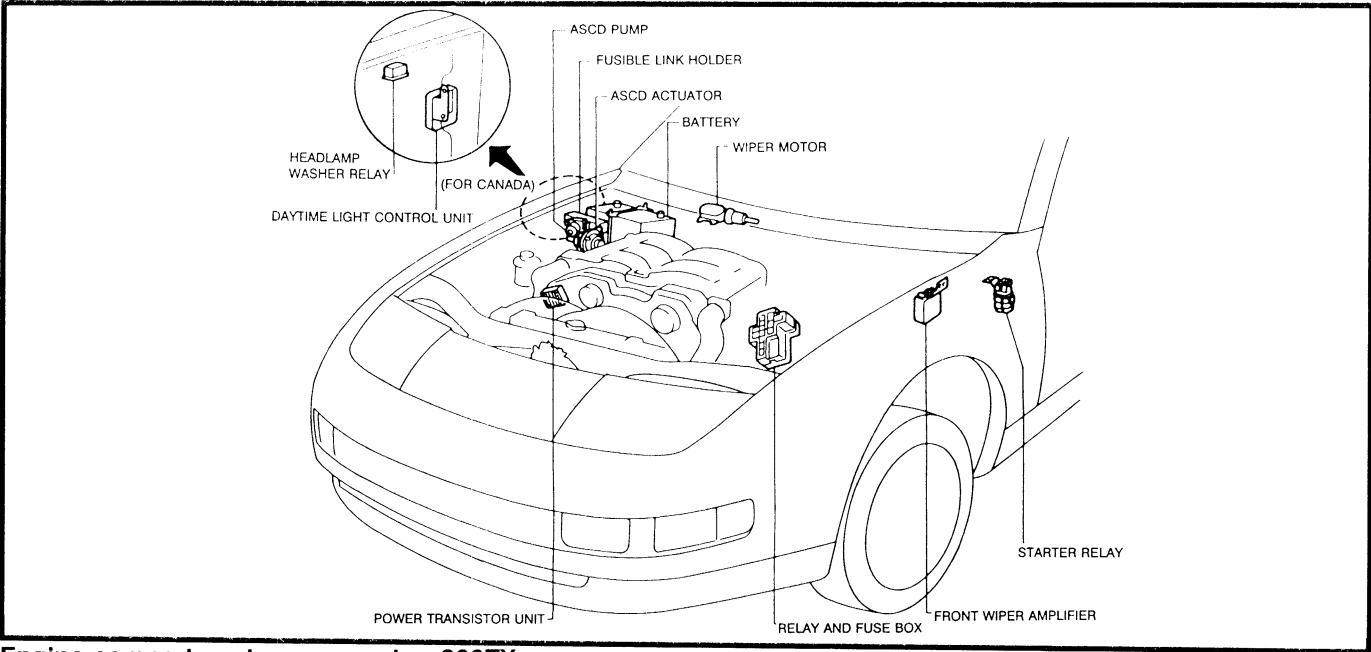
- **Automatic Seat Belt Control Unit**—is on the transmission tunnel, rear of the parking brake lever.
- **Automatic Speed Control Device**—see ASCD.
- **Automatic Transmission Control Unit**—is in the right top of the instrument panel, right of the glove compartment.
- **Bulb Check Relay**—is in the top left of the instrument panel, to the lower right of the SMJ.
- **Chime**—is under the left side of the instrument panel, behind the kick panel.
- **Clutch Relay (manual transmission)**—is on the left front of the engine compartment, second from the right on the rear of the relay box, on models equipped with Super HICAS steering.
- **Combination Flasher**—is under the left side of the instrument panel, right of the steering column.
- **Crankshaft Position Sensor**—is on the left front of the engine, in the distributor.
- **Cruise Control**—see ASCD.
- **Data Link Connector**—is under the left side of the instrument panel, near the kick panel.
- **Daytime Light Control Unit (Canada)**—is on the right front of the engine compartment, between the fender and the battery.
- **Diagnostic Connector**—see Data Link Connector.
- **Door Lock Timer**—is under the right side of the instrument panel, behind the kick panel.
- **Dropping Resistor**—is on the left side of the engine compartment, near of the air cleaner assembly.
- **ECCS Control Module (ECM)**—is under the right side of the instrument panel, behind the kick panel.
- **ECCS Relay**—is on the right front of the engine compartment, rear relay on the left side of the fuse and relay box.
- **EGR and Canister Control Solenoid Valve**—is on the rear of the engine, rear of the valve cover.
- **EGR Temperature Sensor**—is on the right side of the engine, under the intake manifold.
- **EGR Valve**—is on the rear right side of the engine, on the rear of the intake manifold.
- **EGRC BPT Valve**—is on the rear right side of the engine, to the left of the EGR Valve.
- **Engine Coolant Temperature (ECT) Sensor**—is on the right front of the engine, near the throttle body.
- **Fuse and Relay Box**—is on the right side of the engine compartment, rear of the battery.
- **Fuse Block**—is under the left side of the instrument panel, near the kick panel.
- **Headlamp Retract Relay No. 1**—is on the left front of the engine compartment, left relay on the front of the relay box.
- **Headlamp Retract Relay No. 2**—is on the left front of the engine compartment, second from the left on the front of the relay box.
- **Headlamp Retract Relay No. 3**—is on the left front of the engine compartment, second from the right on the front of the relay box.
- **Headlamp Retract Relay No. 4**—is on the right front of the engine compartment, second from the front on the left side of the fuse and relay box.
- **Headlamp Timer**—is under the left side of the instrument panel, behind the kick panel.
- **Horn Relay**—is on the right front of the engine compartment, left relay on the front of the relay box.
- **IACV AAC Valve**—is on the right side of the engine, on the underside of the rear of the intake manifold.
- **IACV Air Regulator**—is on the right rear corner of the engine, near the IACV AAC valve.
- **IACV FICD Solenoid Valve**—is on the right rear corner of the engine, below the IACV AAC valve.
- **Ignition Coil**—is on the left side of the engine compartment, in front of the strut tower.
- **Ignition Relay**—is under the left side of the instrument panel, on the fuse block.

- **Inhibitor Relay (automatic transmission)**—is on the left front of the engine compartment, second from the right on the rear of the relay box.
- **Interlock Relay**—is on the right front of the engine compartment, between the fender and the battery, rear of the daytime light control unit.
- **Kickdown Switch (automatic transmission)**—is under the left side of the instrument panel, right of the steering column, on the accelerator bracket.
- **Knock Sensor (KS)**—is on the right side of the engine, near the No. 2 and No. 3 fuel injectors.
- **Oxygen Sensor**—is on the left side of the engine compartment, in the exhaust manifold.
- **PAIR Valve**—is on the left side of the engine compartment, on the strut tower.
- **PAIRC Solenoid Valve**—is on the left side of the engine compartment, on the strut tower.
- **PCV Valve**—is on the right side of the engine, on the intake manifold.
- **Rear Window Defogger Relay**—is in front of the top left of the instrument panel, at the top right of the SMJ.
- **Relay Box**—is on the left front of the engine compartment, near the left headlight unit.
- **SCV Control Solenoid Valve**—is on the rear of the engine, near the left corner of the valve cover.
- **Shift Lock Control Unit (automatic transmission)**—is under the left side of the instrument panel, left of the steering column.
- **SMJ (Super Multiple Junction)**—is in the top left corner of the instrument panel.
- **Stop Lamp Switch**—is under the left side of the instrument panel, on the top of the brake pedal support.
- **Super HICAS Control Unit**—is behind the right rear interior trim panel.
- **Super HICAS Solenoid**—is in the right front of the engine compartment, on the right side of the steering rack.
- **Swirl Control Valve**—is on the right rear of the engine, above the bell housing.
- **Throttle Body**—is on the right side of the engine, on the front of the intake manifold.
- **Throttle Position Sensor**—is on the right front of the engine, on the throttle body.
- **Time Control Unit**—is under the left side of the instrument panel, behind the kick panel.
- **Vehicle Speed Sensor**—is under the center of the vehicle, at the rear of the transmission.
- **Windshield Wiper Amplifier**—is on the right rear of the engine compartment, rear of the strut tower on models without ABS. On models equipped with ABS, the amplifier is on the left rear of the engine compartment, rear of the strut tower.

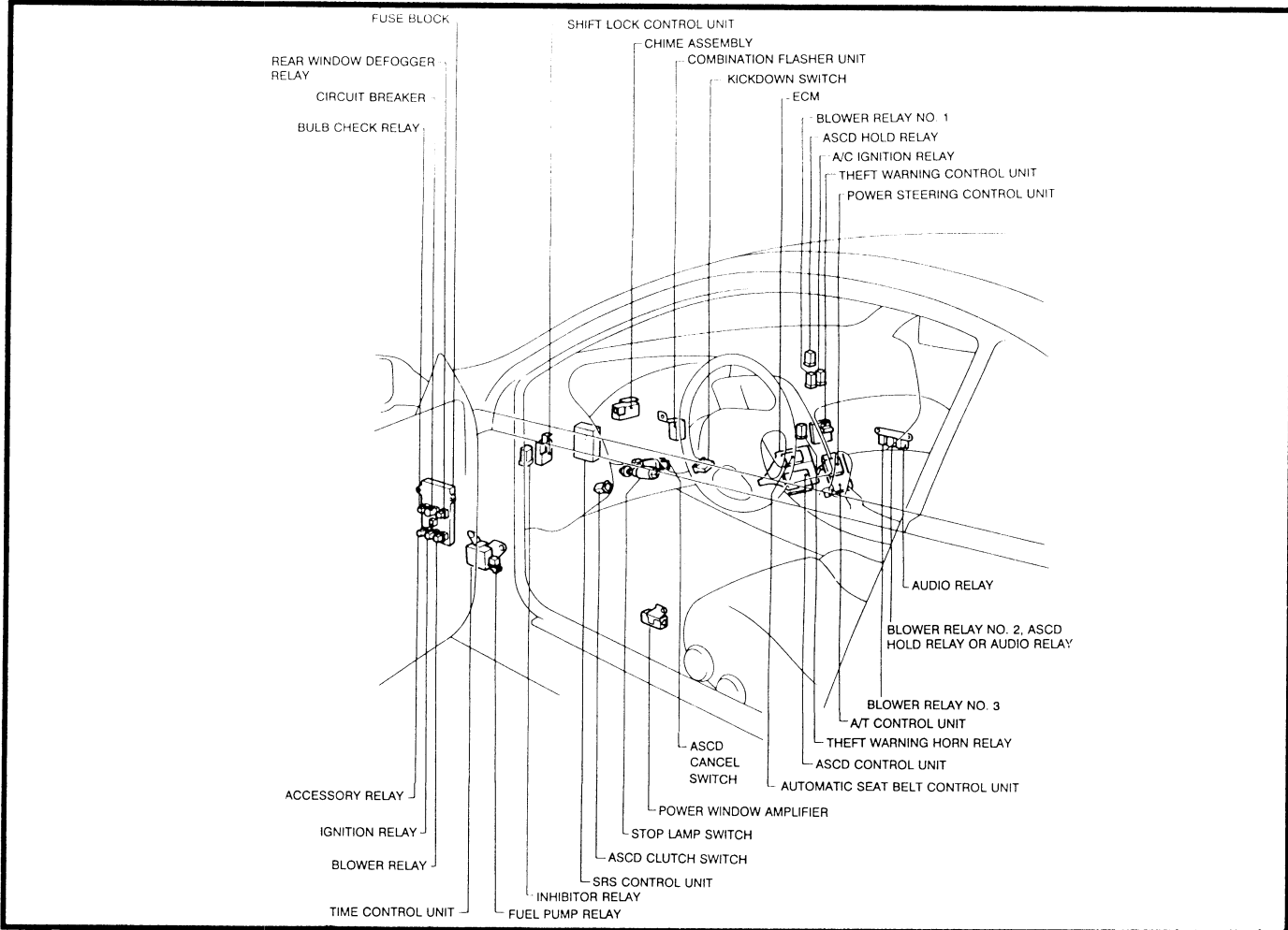
300ZX

- **A/C Ambient Sensor**—is behind the front bumper, right of center.
- **A/C Ignition Relay**—is under the upper right side of the instrument panel, above the glove compartment.
- **A/C Low Pressure Switch**—is on the right front of the engine compartment, forward of the right side of the condenser.
- **A/C Relay**—is on the left front of the engine compartment, third from the top on the left row of the relay and fuse box.
- **ABS Actuator**—is on the right front of the luggage compartment, above the wheel well on the 2-seat model, rear of the wheel well on the 4-seat model.
- **ABS Control Unit**—is on the right side of the interior, forward of the rear wheel well.
- **Accessory Relay**—is under the left side of the instrument panel, lower front relay on the back of the fuse block.
- **Adjustable Shock Absorber Control Unit**—is on the left rear of the passenger compartment, behind the trim panel.

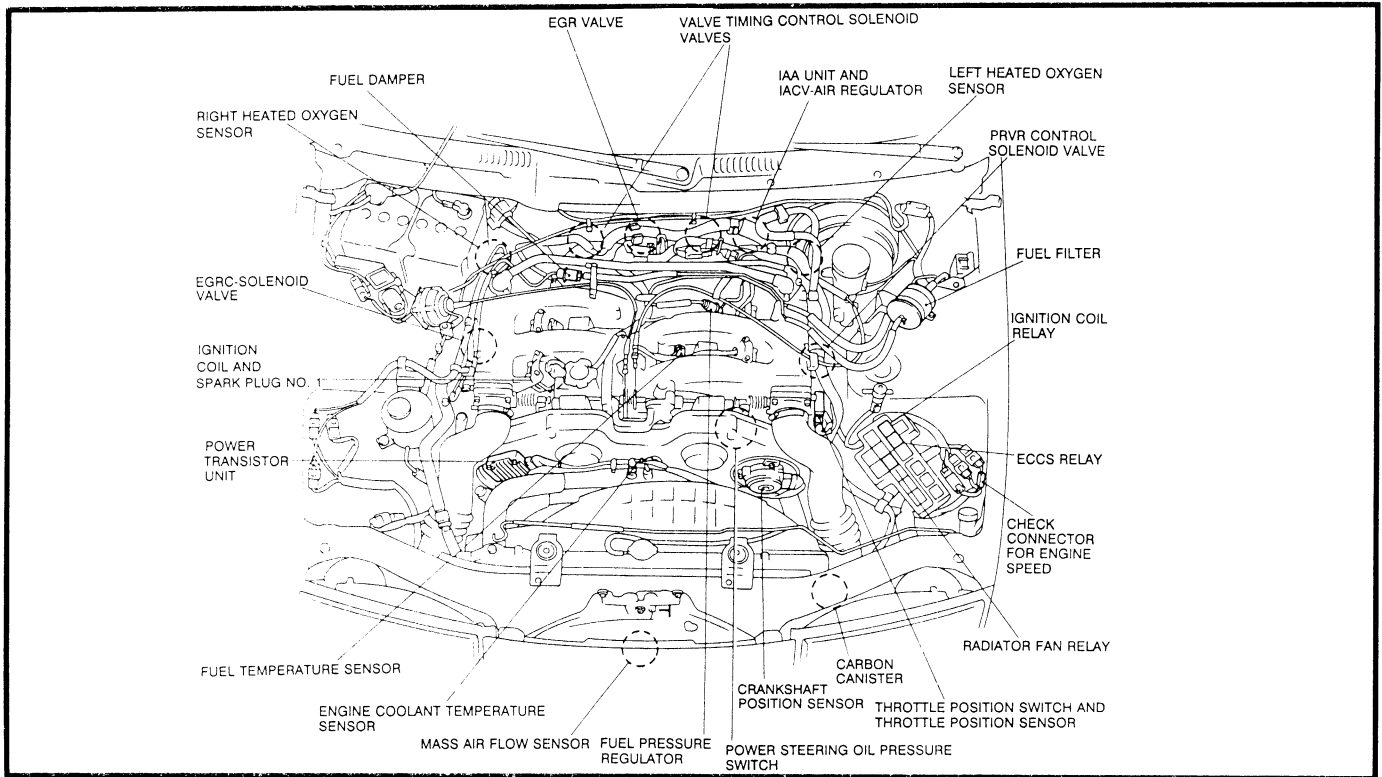
SECTION 2 COMPONENT LOCATOR
NISSAN



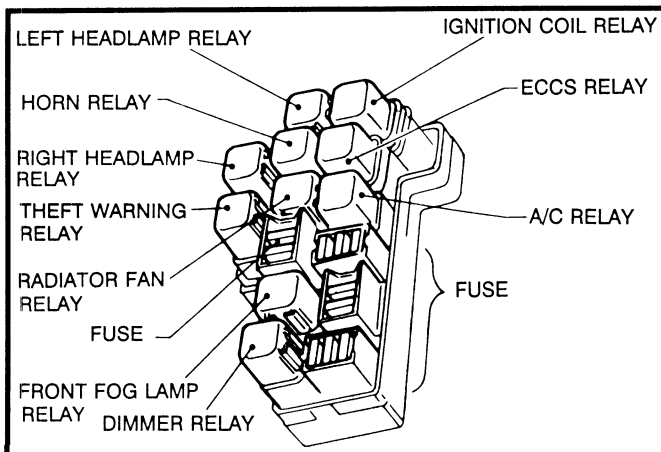
Engine compartment components – 300ZX



Interior components – 300ZX



Emission control components – 300ZX



Relay and fuse box – 300ZX

- **Adjustable Shock Absorber Shock Actuator (front right)** – is on the top of the right front shock absorber.
- **Adjustable Shock Absorber Shock Actuator (front left)** – is on the top of the left front shock absorber.
- **Adjustable Shock Absorber Shock Actuator (rear right)** – is on the top of the right rear shock absorber.
- **Adjustable Shock Absorber Shock Actuator (rear left)** – is on the top of the left rear shock absorber.
- **Air Bag** – see SRS.
- **ASCD Actuator** – is on the right rear of the engine compartment, forward of the battery, left of the ASCD pump.
- **ASCD Cancel Switch** – is under the left side of the instrument panel, left of the steering column, on the brake pedal support bracket.
- **ASCD Clutch Switch (manual transmission)** – is un-

der the left side of the instrument panel, at the top of the clutch pedal support.

- **ASCD Control Unit** – is under the center console, forward of the shift lever.
- **ASCD Hold Relay** – on models with manual A/C, it is under the upper right side of the instrument panel, above the A/C ignition relay. On automatic A/C models, it is under the right side of the instrument panel, middle relay behind the kick panel.
- **ASCD Pump** – is on the right rear of the engine compartment, forward of the battery, on the fender apron.
- **Audio Relay for Bose System** – is under the right side of the instrument panel, rear relay behind the kick panel.
- **Automatic Seat Belt Control Unit** – is under the center console, forward of the shift lever.
- **Automatic Speed Control Device** – see ASCD.
- **Automatic Transmission Control Unit** – is under the right side of the instrument panel, below the floor.
- **Blower Relay** – is under the left side of the instrument panel, lower rear relay on the back of the fuse block.
- **Blower Relay No. 1 (manual A/C)** – is under the right side of the instrument panel, near the top.
- **Blower Relay No. 2 (manual A/C)** – is under the right side of the instrument panel, middle relay behind the kick panel.
- **Blower Relay No. 3 (manual A/C)** – is under the right side of the instrument panel, front relay behind the kick panel.
- **Bulb Check Relay** – is under the left side of the instrument panel, behind the kick panel behind the fuse block.
- **Check Connector for Engine Speed** – see Diagnostic Connector.
- **Chime Assembly** – is under the front left side of the instrument panel, near the steering column.
- **Combination Flasher Unit** – is under the left side of the instrument panel, near the steering column.
- **Crankshaft Position Sensor** – is on the left front of the engine, on the end of the exhaust camshaft.
- **Cruise Control** – see ASCD.
- **Daytime Light Control Unit (Canada)** – is on the right

Component Locator

3

SECTION

ALFA ROMEO

Fuses and Circuit Breakers	3-2
Relay, Sensor, Switch, Module and Computer Locations	3-2
Alfa Romeo 164	3-2
Graduate, Spider and Spider Veloce	3-4

AUDI

Fuses and Circuit Breakers	3-6
Fusible Links	3-6
Relay, Sensor, Switch, Module and Computer Locations	3-7
Audi 80 and 90	3-7
Audi 100 and 200	3-13
Audi S4	3-19
Audi V8 Quattro	3-22

BMW

Fuses and Circuit Breakers	3-26
Fusible Links	3-26
Relay, Sensor, Switch, Module and Computer Locations	3-26
1991 318i, 1991-92 318ic, 1991 318is, 1991 325i, 1991 325ix, 1991-93 325i Convertible and 1991 M3	3-26
1992-93 318is, 1992-93 318i and 1992-93 325i	3-29
525i, 535i and M5	3-34
735i, 735iL, 740i, 740iL and 750i	3-37
850i and 850ci	3-42

JAGUAR

Fuses and Circuit Breakers	3-48
Relay, Sensor, Switch, Module and Computer Locations	3-48
XJ6	3-48
XJS	3-50

MERCEDES BENZ

Fuses and Circuit Breakers	3-53
Fusible Links	3-53
Relay, Sensor, Switch, Module and Computer Locations	3-53
190 Series	3-53
300D Turbo, 300CE, 300TE, 300E 2.8, 300E, 400E and 500E	3-54
1991 300SE, 300SEL, 420SEL, 560SEC, 560SEL, 350SD Turbo and 350SDL Turbo	3-57
300SD, 1992-93 300SE, 400SE, 400SEL, 500SEC, 500SEL, 600SEC and 600SEL	3-57
300SL, 500SL and 600SL	3-60

PEUGEOT

Fuses and Circuit Breakers	3-61
Relay, Sensor, Switch, Module and Computer Locations	3-61
405S and 405 Mil6	3-61
505 Wagon and SW8 Turbo Wagon	3-64

PORSCHE

Fuses and Circuit Breakers	3-69
Fusible Links	3-69
Relay, Sensor, Switch, Module and Computer Locations	3-69
911 Carrera 2, 911 Carrera 4 and 911 Turbo	3-69
928	3-74
944	3-74
968	3-77

SAAB

Fuses	3-78
Fusible Links	3-78
Relay, Sensor, Switch, Module and Computer Locations	3-78
Saab 900	3-78
Saab 9000	3-82

STERLING

Fuses and Circuit Breakers	3-86
Fusible Links	3-86
Relay, Sensor, Switch, Module and Computer Locations	3-86
Sterling 827	3-86

VOLKSWAGEN

Fuses and Circuit Breakers	3-96
Fusible Links	3-96
Relay, Sensor, Switch, Module and Computer Locations	3-96
Cabriolet	3-96
Corrado	3-97
Fox	3-97
Golf, GTI and Jetta	3-97
Passat	3-101
Vanagon	3-102

VOLVO

Fuses and Circuit Breakers	3-103
Relay, Sensor, Switch, Module and Computer Locations	3-103
Volvo 240 Series	3-103
740, 760 and 940	3-104
Volvo 850	3-105

YUGO

Fuses and Circuit Breakers	3-107
Fusible Links	3-107
Relay, Sensor, Switch, Module and Computer Locations	3-107

ALFA ROMEO

Fuses and Circuit Breakers

ALFA ROMEO 164

The main fuse box is located at the left of the steering column, behind the left front knee padding. Access is through a swing down door. There are many additional fuses and relays placed throughout the vehicle, and many fuses are mounted directly on the relay that they protect.

GRADUATE, SPIDER, AND SPIDER VELOCE

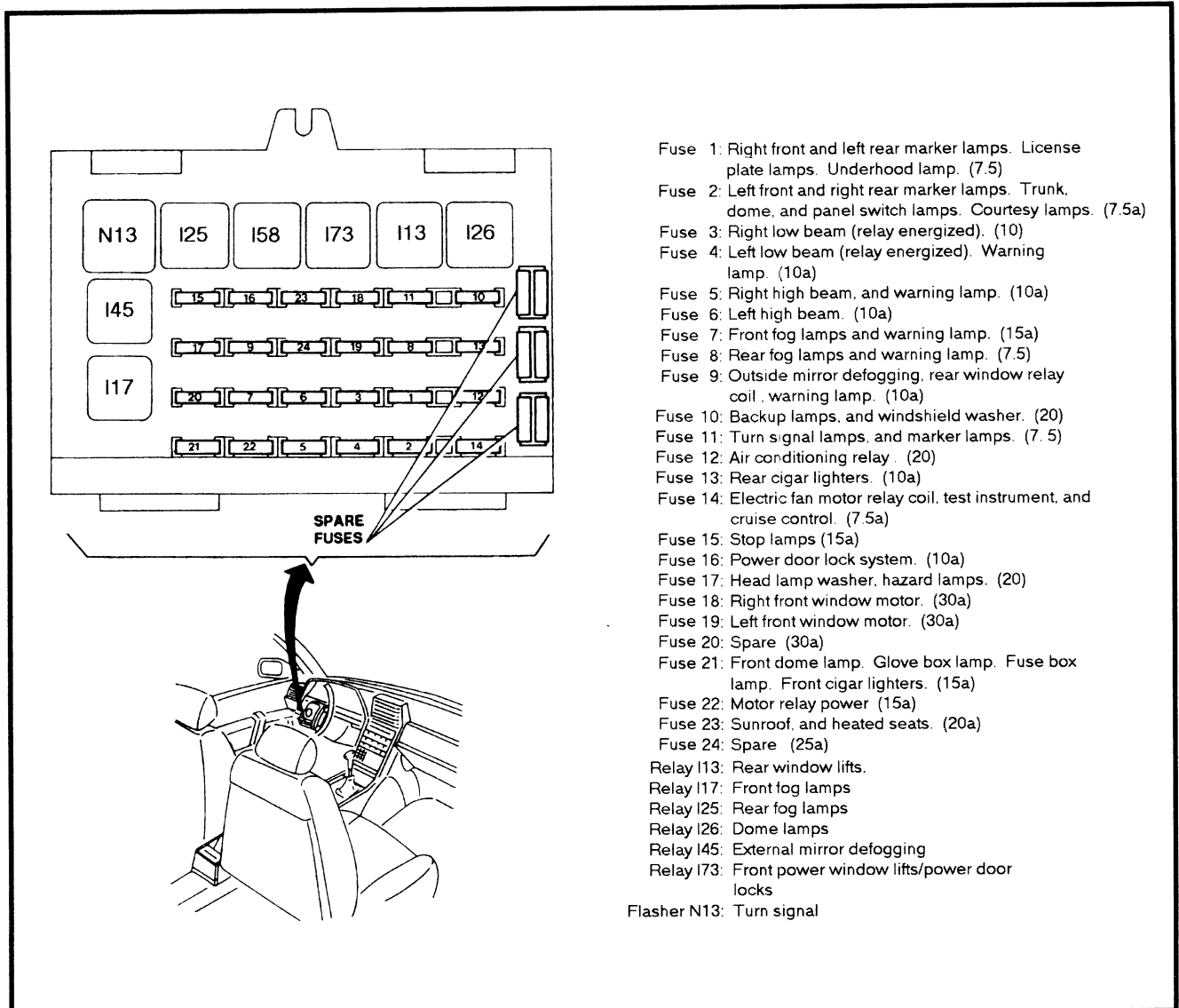
The main fuse box is located at the left of the steering column in a drawer. Fuses may be accessed via a pull down cover. On certain models there may be additional fuses inline on particular circuits.

On models with knee padding, the main fuse box is located in the lower left side of the instrument panel. Access to the fuses may be gained by pulling a lever.

Relay, Sensor, Switch, Module and Computer Locations

ALFA ROMEO 164

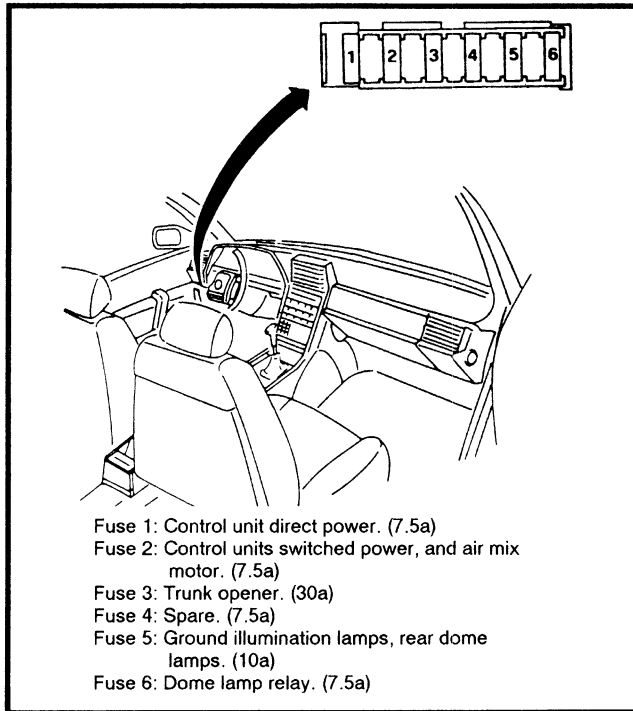
- **A/C Anti-Frost Thermostat** — is located inside the cooler case, next to the evaporator core.
- **A/C Automatic Control Unit** — is located in the center console.
- **A/C Automatic Control Unit** — is located in the center console.
- **A/C Blend Air Motor** — is under the left side of the instrument panel, next to the center console. It has a 5-wire connector with one brown wire.
- **A/C Computer Control Unit** — is in the instrument panel, accessed by removing the thin vertical trim piece from the controller face.
- **A/C Dryer** — is on top of the evaporator core.
- **A/C Evaporator** — is located on the right rear of the engine compartment, on the firewall.
- **A/C Expansion Valve** — is next to the dryer, on top of the evaporator core.
- **A/C Fan Speed Control** — is under the left side of the instrument panel, next to the center console. It has a 4-wire connector.
- **A/C Flap Control Motor** — is under the left side of the instrument panel, next to the center console. It has a 2-wire connector.
- **A/C Fuse** — is under the instrument panel, near the center console on the left side. This a 40 amp fuse.
- **A/C High Pressure Test Port** — is located on top of the evaporator core.
- **A/C Interior Air Temperature Sensor** — is in the overhead panel, next to the rear view mirror.
- **A/C Low Pressure Test Port** — is located on the right inner fender well.
- **A/C Three Level Pressure Switch** — is on the high side line, near the dryer.
- **A/C Ventilation Distribution Motor** — is under the left side of the instrument panel, next to the center console. It has a 5-wire connector.
- **ABS Electronic Control Unit** — is in the center tunnel, access from the interior of the vehicle.
- **ABS Relay** — is behind a small trim panel, to the right of the glove box.
- **ABS Sensors** — are located at each wheel. The sensors are mounted in brackets, positioned near the toothed wheel.
- **ABS System Fuse** — is mounted free, to the right of the console, under the instrument panel.
- **ABS System Relays** — are on top of the electro-hydraulic unit, remove the cover which is fastened with a single screw.
- **Air Bag Control Unit** — is in the center tunnel, access from the interior of the vehicle.
- **Air Bag Sensors** — are in the left and right front corners of the engine compartment.
- **Anti-Theft Alarm** — is in the trunk, on the right side behind the trim panel.
- **Anti-Theft Control Unit** — is in the trunk, on the left side behind the trim panel.
- **Anti-Theft System Fuse** — is on a relay in the trunk, near the left hinge.
- **Automatic Transaxle Back-up Lamp Switch** — is in the floor shifter assembly. Remove the shift knob and position panel.
- **Automatic Transaxle Cooling Fan Fuse** — is on it's relay, in the left front of the engine compartment.
- **Automatic Transaxle Lock Control Unit** — is under the instrument panel, to the left of the steering column, access is gained through the fuse box.
- **Automatic Transaxle Lock Solenoid** — is at the rear of the shifter bracket, access requires removal of the shift lever knob, and the selector panel.
- **Automatic Transaxle Oil Temperature Sensor** — is in a fitting near the transaxle oil reservoir. Remove air cleaner house for access.
- **Auxiliary Fuse Box** — is just above the main fuse box.
- **Back-up Lamp Switch (manual transaxle)** — is on the case, near the gear shift.
- **Brake Fluid Level Switch** — is internal with the reservoir cap.
- **Brake Light Switch for Cruise Control** — is above the brake pedal arm to the right of the service brake light switch.
- **Brake Light Switch** — is above the brake pedal arm.
- **Brake Lining Wear Indicator** — is internal with the front inner brake pad.
- **Controlled Damping Suspension System** — see CDSS.
- **C.D.S.S. Accelerometer** — is in the trunk on the right inner fender.
- **C.D.S.S. Brake Sensor** — is on the front of the brake master cylinder.
- **C.D.S.S. Computer** — is in the trunk, right side under the trim panel.
- **C.D.S.S. Engine Throttle Sensor** — is on the throttle body. This a microswitch. This has a two wire connector.
- **C.D.S.S. Gearbox Sensor** — is on the top of the gearbox.
- **C.D.S.S. Shock Absorber Solenoid Valve Control Relay** — is on the left side of the trunk, on a bracket.
- **C.D.S.S. Shock Absorber Solenoid Valves** — is affixed to each shock unit near the lower mounting.



Fuse box detail, lower left dashboard area — Alfa Romeo 164

- **C.D.S.S. Speed Sensor** — is on the gearbox.
- **C.D.S.S. Steering Angle and Rotational Speed Sensor** — is attached to the steering column, near the universal joint which separates the upper and lower sections.
- **Canister Purge Solenoid** — is on top of the charcoal canister.
- **Charcoal Canister (evaporative emission system)** — is in the left inner fender. Remove left front wheel and fender liner for access.
- **Combination Switch** — is on the steering column. Remove steering wheel and shrouds for access.
- **Crankshaft Position Sensor** — is on front of engine near trigger wheel.
- **Cruise Control Computer** — is in the center tunnel. Access by removing the trim panel from the right side of the tunnel.

- **Cruise Control Vacuum Reservoir** — is on the left inner fender. Remove front left wheel and inner fender to access.
- **Diagnostic Pushbutton** — is on the steering column.
- **Door Lock Sensors** — are in the units with the door lock and lock motor. They must be replaced as a unit.
- **Engine Coolant Level Sensor** — Built into the overflow tank.
- **Engine Coolant Temperature Sensor** — is in the water pump housing.
- **Engine Cooling Fan Fuse** — is on the firewall next to the A/C fuse.
- **Fuel Door Motor** — is on the right side of the trunk, behind the trim panel.
- **Fuel Filter** — is under the vehicle, aft of the fuel pump, near the rear axle.



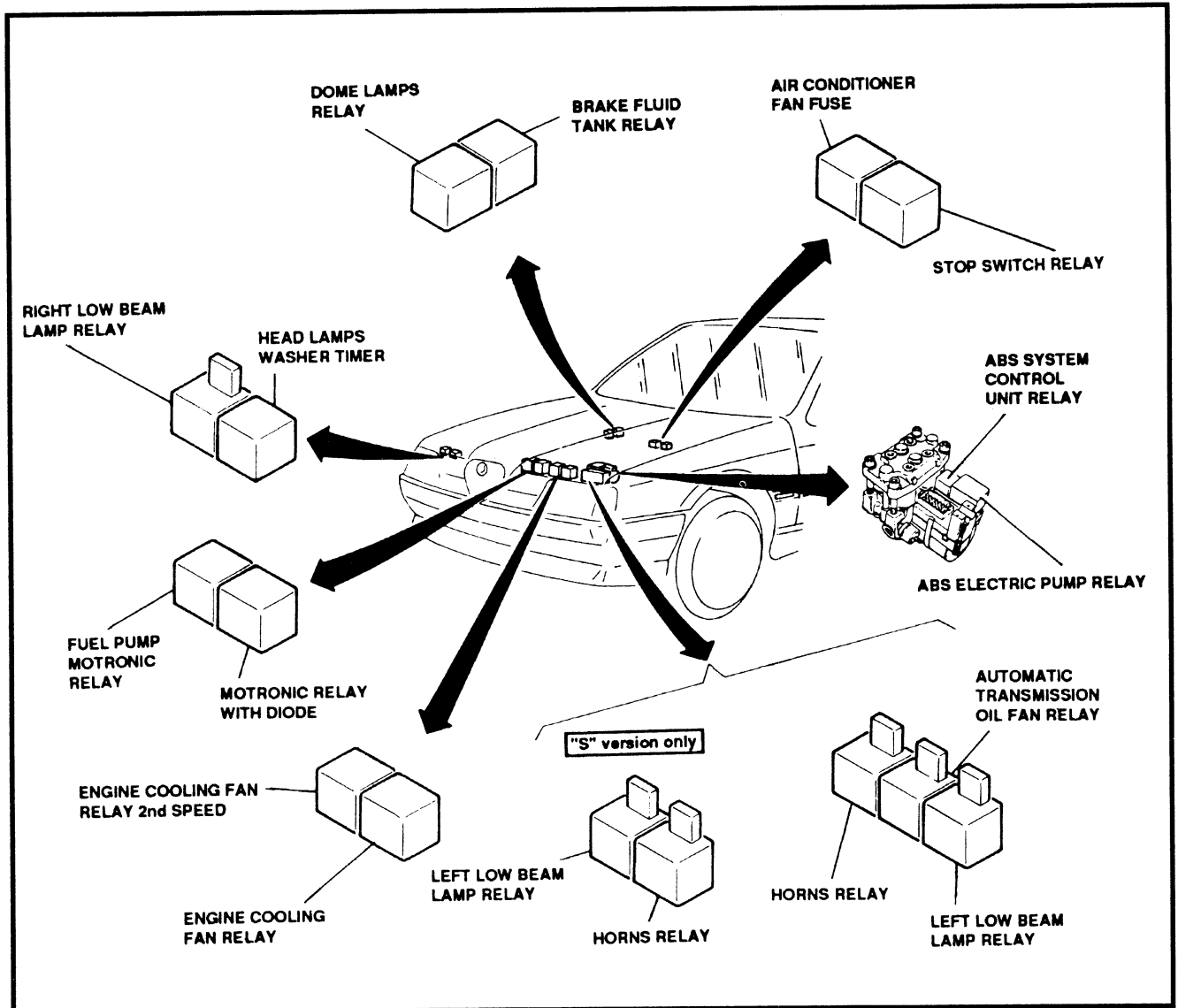
Auxiliary fuse box detail, lower left dashboard area — Alfa Romeo 164

- **Fuel Injection Control Unit** — is in the center tunnel, accessed by removal of the right side trim pieces.
- **Fuel Pressure Regulator** — is on the inlet side of the fuel rail.
- **Fuel Pump** — is inside the fuel tank.
- **Gear Box Sensor** — is on the transaxle, next to the backup lamp switch.
- **Headlight Washer Pump** — is in the washer tank.
- **Horn Fuse** — is on the horn relay attached to a bracket, at the left front of the engine compartment.
- **Idle Speed Actuator** — is inline with the air bypass hose.
- **Ignition Coil** — is on a bracket near the radiator.
- **Ignition Switch** — is on the steering column, and accessed through the fuse opening.
- **Odometer Sensor** — is on the side of the engine case, near the oil dipstick.
- **Oil Pressure Lamp Sender** — is on the side of the engine case near the bellhousing. It threads in horizontally.
- **Oil Pressure Sender** — is on the side of the engine case near the bellhousing. It threads in vertically.
- **Outside Air Temperature Sender** — is in the engine compartment, under the utilities bay cover.
- **Oxygen Sensor** — is in the catalytic converter.
- **Parking Lamp Switch** — is at the base of the parking brake lever. Remove rear console to access.
- **Power Seat Heating Pads** — are in the seats. Must remove the seats for access.
- **Power Seat Motors** — are in the seats. Must remove the seats to access.
- **Radiator Cooling Fan Resistor** — is on the radiator fan shroud, near the sensor.

- **Radiator Cooling Fan Sensor** — is in the upper portion of the radiator top tank.
- **Rear Defogger Fuse** — is in the trunk on the left side, near the trunk hinge.
- **Rear Lamp Control Unit** — is under the right side of the instrument panel. It is retained by two screws.
- **Rear Power Seat Fuse and Seat Inhibitor Fuse** — is in the trunk, on the left side inner fender well, near the hinge.
- **Rear Power Seat Inhibitor Switch** — is in the center console.
- **RPM and Stroke Sensor** — is next to the crank trigger wheel.
- **Seat Belt Sensor** — is internal with the buckle, replacement requires installation of entire buckle unit.
- **Side View Mirror Motors** — is in the mirror unit, and repair is limited to replacement of entire unit.
- **Side View Mirror Switches** — is in the inner door panel. Remove door trim, and unclip switch.
- **Speedometer Pulse Generator** — is inside the transaxle case, near the final drive gear.
- **Sunroof Motor** — is in the overhead panel, near the dome light. The lamp must be removed for access.
- **Throttle Position Sensor** — is on the throttle body. This a two wire connector.
- **Trunk Opening Motor** — is on the trunk lid, next to the switch for the light.
- **Voltage Regulator** — is built into the alternator.
- **Windshield Washer Fluid Level Sensor** — is in the fluid reservoir. Access can be gained by removal of the right head lamp.
- **Windshield Washer Pump** — is in the fluid reservoir. Access may be gained by removal of the right headlamp. It is not necessary to remove the reservoir from the automobile.
- **Windshield Wiper Motor** — is under the cowl cover. Wiper linkage must be removed prior to motor removal.

GRADUATE, SPIDER AND SPIDER VELOCE

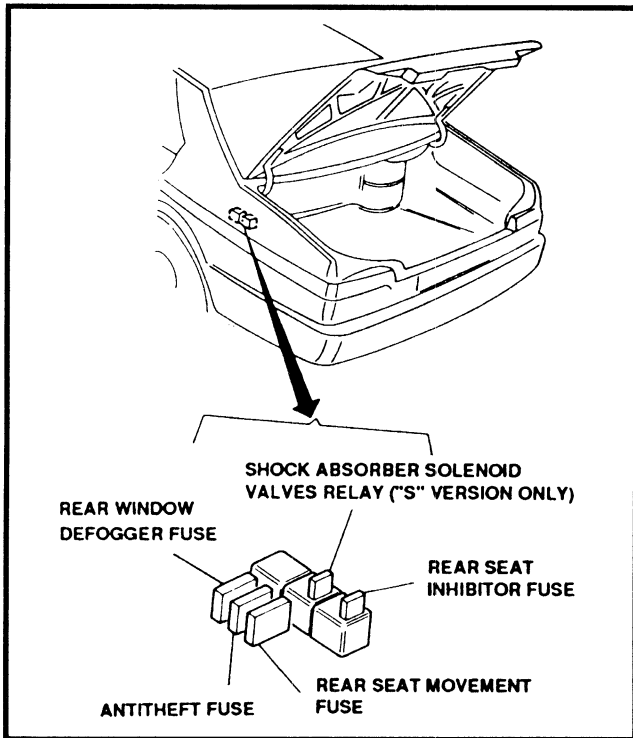
- **A/C Control Unit** — is on the rear of the cooler unit.
- **A/C Expansion Valve** — is on the top of the blower housing.
- **A/C Pressure Switch** — is on the dryer.
- **A/C Thermistor Probe** — is inside the cooler, next to the evaporator.
- **Air Bag Control Unit** — is behind the left seat, under the carpet.
- **Air Bag Sensors** — are in the front right and front left corners of the engine compartment, and one is located on the control unit.
- **Air Temperature Sensor** — is in the air filter house.
- **Backup Lamps Switch (automatic transmission)** — is on the side of the transmission case.
- **Backup Lamps Switch (manual transmission)** — is on the gear box case.
- **Canister Purge Solenoid** — is on a bracket near the vapor canister, which is behind the right inner fender.
- **Combination Switch** — is on the steering column, accessed by removal of the steering wheel, and the column casings. This switch contains the turn signal switch, the windshield wiper and washer switch, and the headlight switch.
- **Cooling Fan Switch** — is in the bottom of the radiator tank.



Engine compartment relay locations — Alfa Romeo 164

- **Crankshaft Position Sensor** — is on a bracket, next to the trigger wheel.
- **Engine Coolant Temperature Sensor** — is in the cylinder head, near the fuel injectors.
- **Fuel Pressure Regulator** — is on the fuel rail, with a single vacuum line exiting it.
- **Fuel Pump (primary)** — is under the vehicle.
- **Fuel Pump (secondary)** — is in the fuel tank.
- **Fuse Box** — is under the left side of the instrument panel, left of the steering column.
- **Hazard Flasher** — is in the fuse box.
- **Heated Rear Window Relay** — is in the fuse box.
- **Horn Relay** — is in the fuse box.
- **Idle Speed Actuator** — is inline with the air bypass line.
- **Intermittent Windshield Wiper Controller** — is under the left side valance panel.

- **Motronic Ignition and Fuel System Control Unit** — is under the rear package shelf.
- **Neutral Safety Switch (automatic transmission)** — is on the side of the transmission case.
- **Neutral Safety Switch (manual transmission)** — is on the gear box case.
- **Oxygen Sensor** — is in the exhaust, just before the catalytic converter.
- **Parking Brake Switch** — is on the bottom of the parking brake handle.
- **Power Window Relay** — is in the fuse box.
- **Rear Fog Lamp Relay** — is in the fuse box.
- **Seat Belt and Door Ajar Buzzer** — is under the instrument panel, on the left. Knee padding must be removed to access.
- **Self-Diagnostic Pushbutton** — is near the ECU, under the rear carpet.



Trunk fuse and relay locations — Alfa Romeo 164

- **Speedometer Sensor** — is on the transmission, just forward of the flex joint.
- **Stop Lamp Switch** — is under the steering column, near the brake pedal.
- **Throttle Position Sensor** — is on the throttle body.
- **Turn Signal Flasher** — is in the fuse box.
- **Windshield Washer Motor** — is built into the fluid reservoir.
- **Windshield Wiper Motor** — is below the wiper transmission, accessed by removing the air intake grill and the engine bay to hood seal.

AUDI

Fuses and Circuit Breakers

AUDI 80 AND 90

The power window/power seat circuit breakers are located in position 18 of auxiliary relay panel. Also, there is an inline radio fuse located behind the radio, in center console.

AUDI 100 AND 200

This vehicle has circuit breakers located several places throughout the vehicle. Auxiliary relay panel No. 1 contains the following circuit breakers: automatic window closing, central locking motor, power window, radio, phone, board computer, heated seat, memory seat adjusting, power seat, door lock heating element, and sunroof. Auxiliary relay panel No. 3 contains the oxygen sensor heater circuit breaker, located in position No. 8. Also, connector station No. 3 has a rear sunshade circuit breaker, located in position C1.

AUDI S4

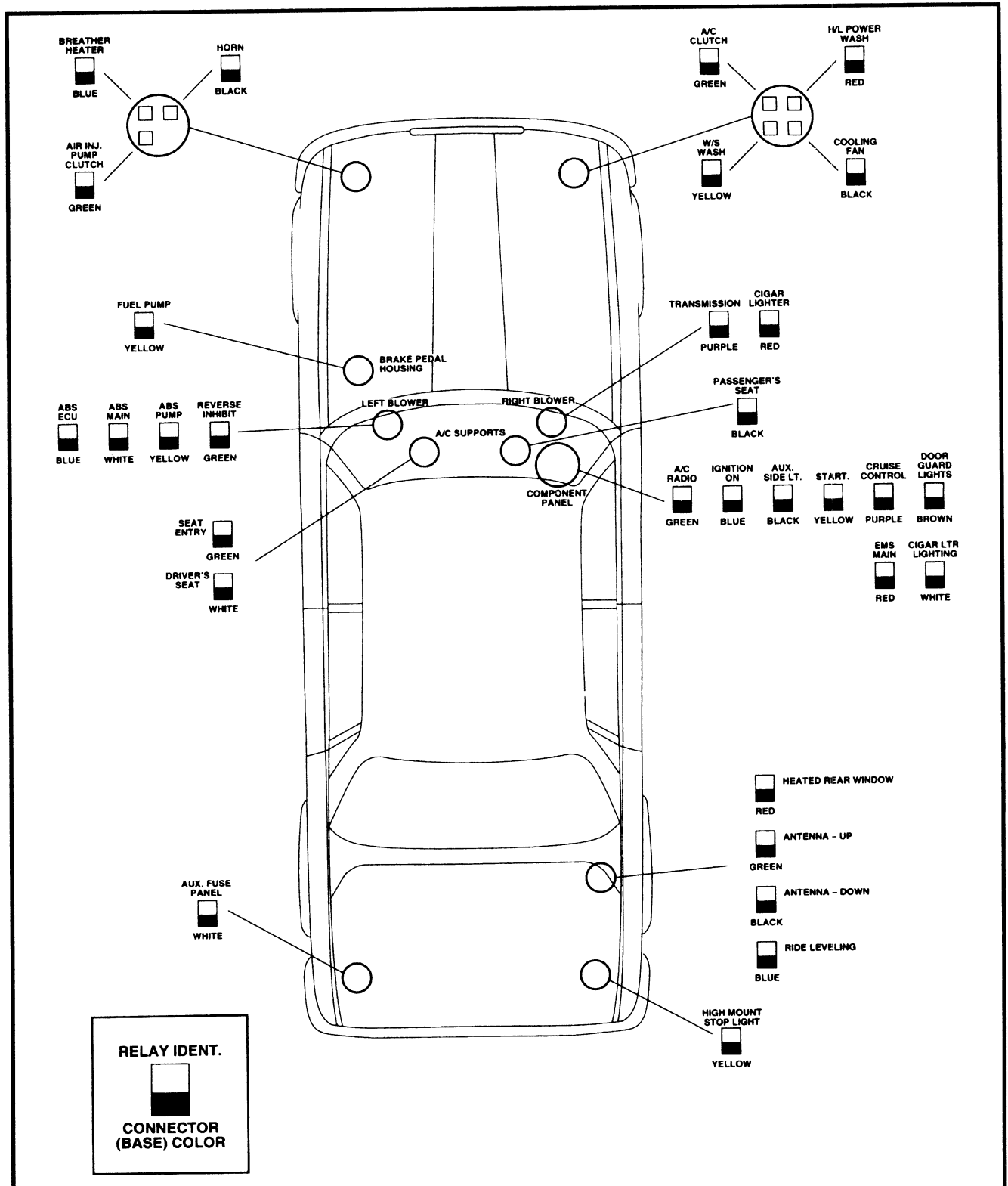
There are several circuit breakers positioned throughout the vehicle. Among those are the following: automatic window closing, power window, central lock motor, heated seats, radio, board computer, telephone, sunroof, door lock heater, memory seat adjusting, power seat, and oxygen sensor heater. The oxygen sensor heater circuit breaker is located in position No. 8 of auxiliary relay panel No. 3. The other relays are in positions A1 through A5 and B1 through B5 in auxiliary relay panel No. 1.

AUDI V8

There are several circuit breakers located in the main relay/fuse panel of this vehicle. The breakers are as follows: memory seat adjusting, power window, automatic window closing, and automatic transaxle fluid cooling circuit breakers. There are no inline fuses.

Fusible Links

There are no major fusible links used in these vehicles.

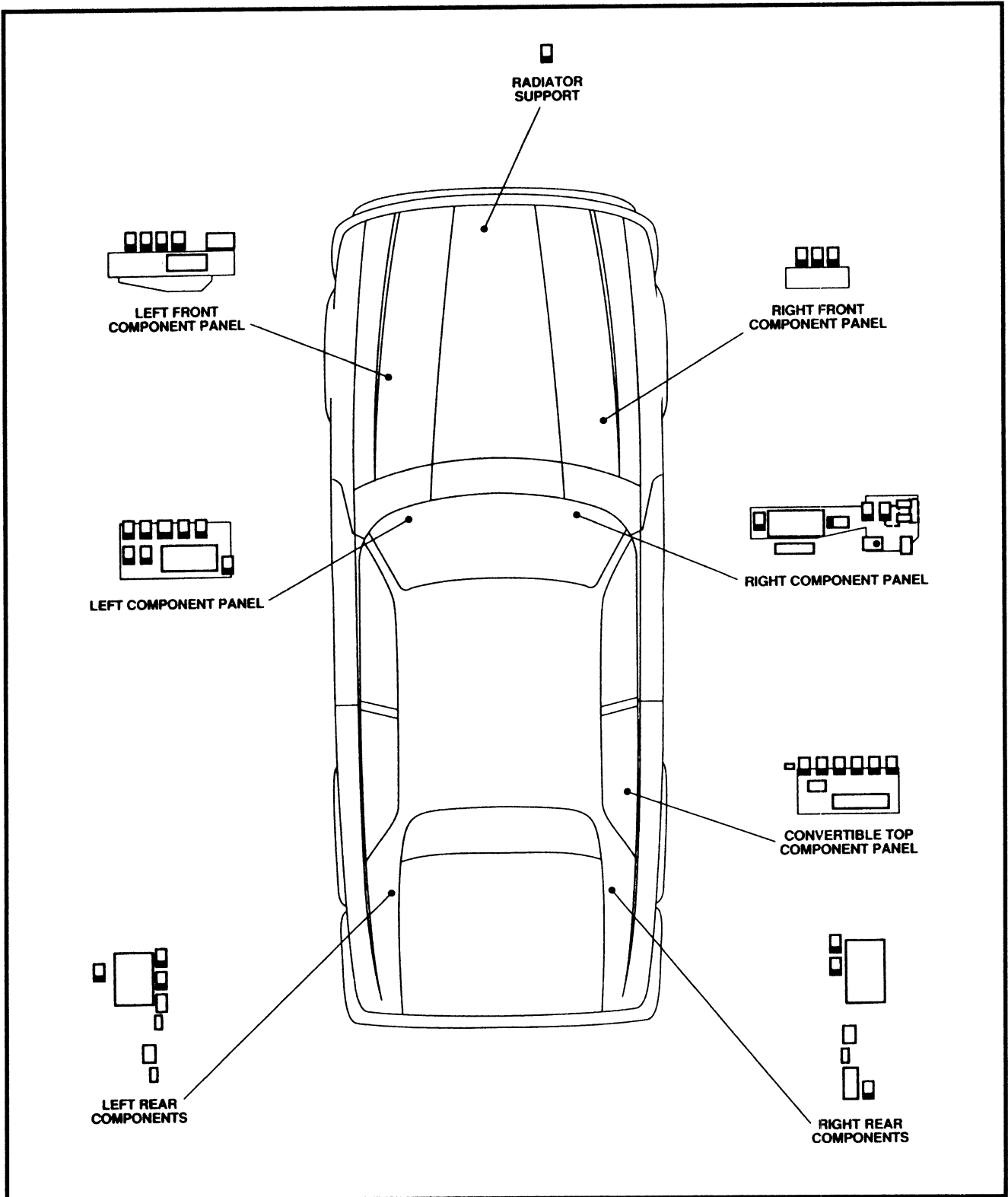


Relay locations — Jaguar XJ6

- **Ride Height Sensor** — is located on the right rear wishbone.
- **Seat Motors** — are located under their respective seats.
- **Vehicle Speed Sensor** — is located on the left output shaft of the differential.
- **Windshield Washer Motor** — is located in the washer reservoir.
- **Windshield Washer Relay** — is located on the right front radiator support.
- **Windshield Wiper Logic Unit** — is located under the right side of the instrument panel.
- **Windshield Wiper Motor** — is located on the front bulkhead.

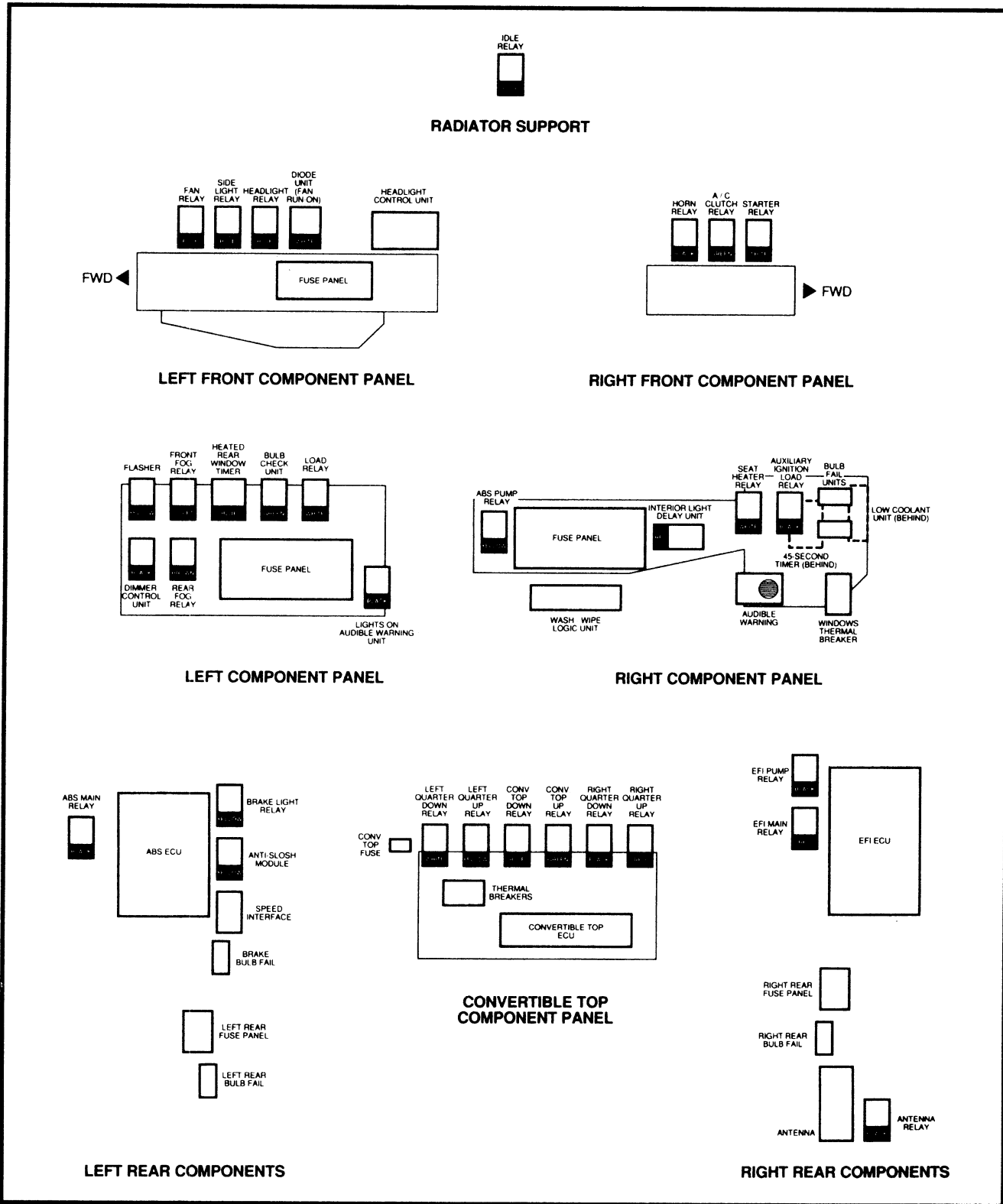
XJS

- **A/C Compressor Clutch Relay** — is located on the right front component panel.
- **ABS Combined Pressure Switch** — is located on the brake pump unit in the engine compartment.
- **ABS Diagnostic Connector** — is located in the trunk, on the left rear inner wheel. Remove trim for access.
- **ABS ECU** — is located in the left front corner of the trunk. remove trim for access.
- **ABS Pump** — is located on the right front bulkhead.
- **ABS Relay (hydraulic pump)** — is located on the right component panel.
- **ABS Relay (main)** — is located in the left rear of the trunk, access by removing the trim.
- **ABS Wheel Sensor (left, front)** — is located on the left front wheel hub unit.
- **ABS Wheel Sensor (left, rear)** — is located on the left rear wheel hub unit.
- **ABS Wheel Sensor (right, front)** — is located on the right front wheel hub unit.
- **ABS Wheel Sensor (right, rear)** — is located on the right rear wheel hub unit.
- **Air Temperature Sensor** — is located at the right front of the engine.
- **Anti-stall Relays** — are located on the radiator support.
- **Auxiliary Ignition Load Relay** — is located in the right component panel.
- **Bulb Failure Unit** — is located in the left component panel.
- **Climate Control ECU** — is located to the right of the A/C unit, access may be gained via the right under the instrument panel area.
- **Convertible Top ECU** — is located on the convertible top component panel.
- **Convertible Top Relay** — is located on the convertible top component panel.
- **Cooling Fan Relay** — is located on the left front component panel.
- **Cruise Control ECU** — is located under the right front seat.
- **Door Lock Control Unit** — is located under the trim on the right side A pillar.
- **Engine Coolant Temperature Sender** — is located at the right front of the engine.
- **Engine Speed Sensor** — protrudes into the bell housing area.
- **Flasher Unit** — is located on the left component panel.
- **Fog Lamp Relay** — is located on the left component panel.
- **Fuel Filler Door Solenoid** — is located in the left rear trunk, remove trim for access.
- **Fuel Injection ECU** — is located in the right side of the trunk. Remove trim panel for access.
- **Fuel Injection Main Relay** — is located adjacent to the right rear component panel.
- **Fuel Pump Relay** — is located adjacent to the right rear component panel.
- **Fuel Pump** — is located inside fuel tank. Access through trunk, after removing fuel tank trim panel.
- **Head Lamp Control Unit** — is located in the left front component panel.
- **Heated Rear Window Timer** — is located on the left component panel.
- **Heated Seat Control Units** — are located under their respective seats.
- **Heated Seat Relay** — is located on the right component panel.
- **Horn Relay** — is located at right front component panel.
- **Ignition ECU** — is located in the right side front foot well.
- **Inertia Switch** — is located on the right A pillar.
- **Interior Light Delay Unit** — is located on the right component panel.
- **Low Engine Coolant Warning Unit** — is located behind the right component panel.
- **Motion Detector** — is located in the right rear tail lamp area. Access by removing the lens trim panel.
- **Neutral Safety Switch** — is located in the center console. Access by removing the console trim.
- **Oil Pressure Sender** — is between the cylinder banks at the rear of the engine.
- **Oil Pressure Switch** — is between the cylinder banks at the rear of the engine.
- **Power Module (left)** — is located on the left side of the radiator support.
- **Power Module (right)** — is located on the right side of the radiator support.
- **Reverse Switch** — is located in the center console. Remove trim for access.
- **Seat Belt Logic Unit** — is located in the right component panel.
- **Security System ECU** — is located in the right rear tail lamp panel. Access by removing the lens trim panel.
- **Starter Relay** — is located in the right front control panel.
- **Transmission Kick Down Solenoid** — is located inside the transmission oil pan.
- **Vehicle Speed Sensor** — is located in the differential housing.
- **Windshield Wiper Logic Unit** — is located behind the right component panel.

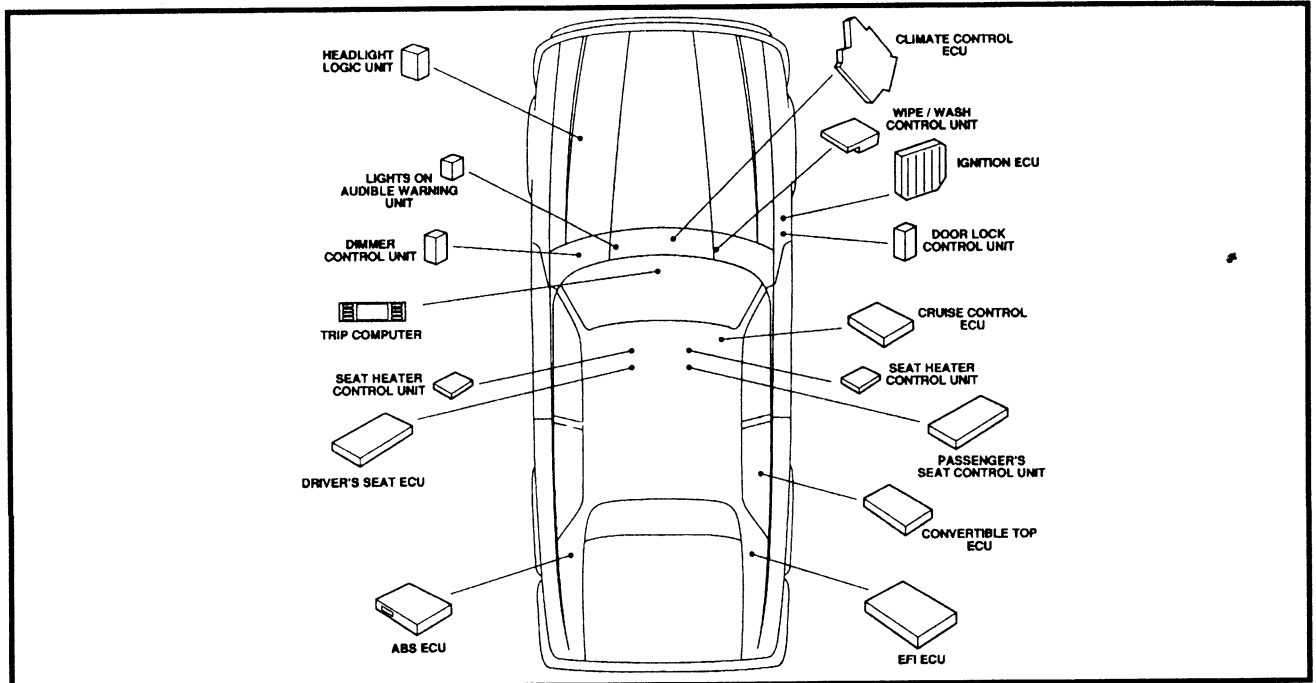


Relay locations – Jaguar XJ6

SECTION 3 COMPONENT LOCATOR
JAGUAR



Relay and fuse panel locations — Jaguar XJS



Control unit locations — Jaguar XJS

MERCEDES BENZ

Fuses and Circuit Breakers

The main fuse box is located at the left rear corner of the engine compartment, just to the left of the brake master cylinder. Additionally on the 300SD, 300SE, 400SE, 400SEL, 500SEL and 600SEL, a secondary fuse box is located in the right side of the trunk.

Fusible Links

Fusible links are not in common usage on Mercedes Benz automobiles.

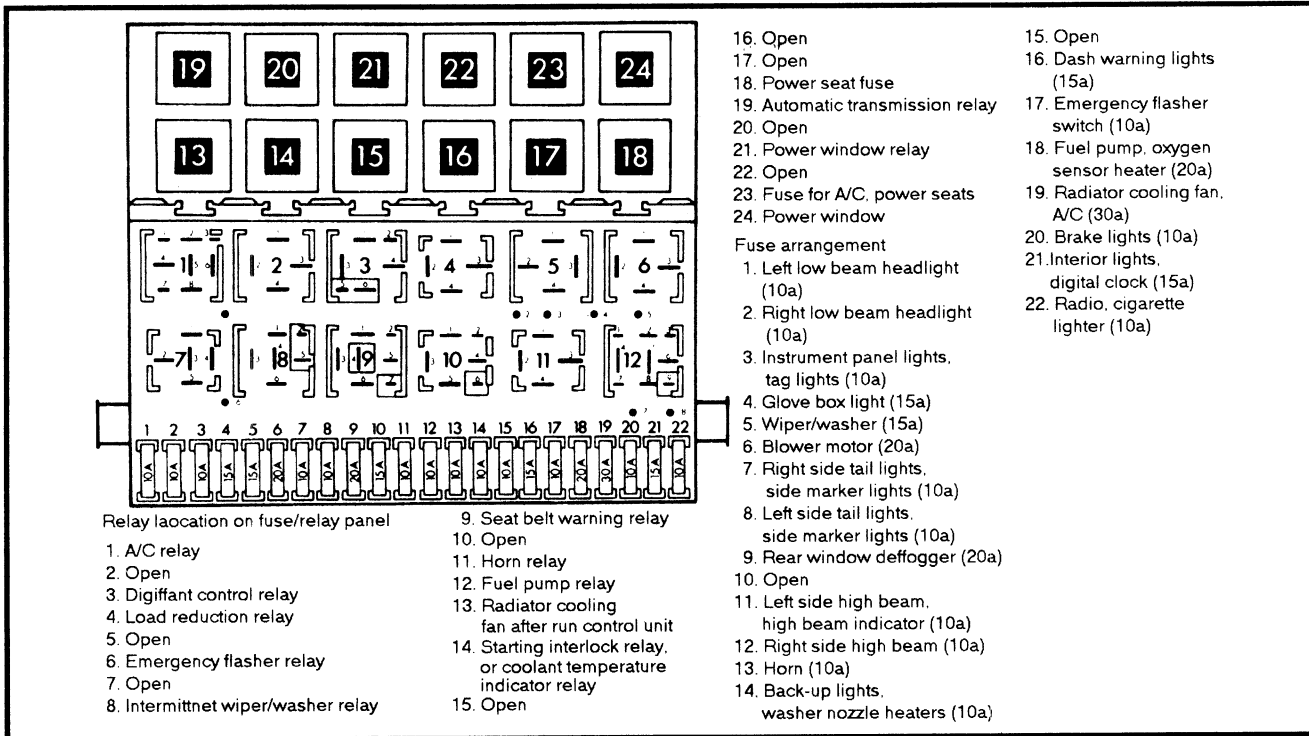
Relay, Sensor, Switch, Module and Computer Locations

190 SERIES

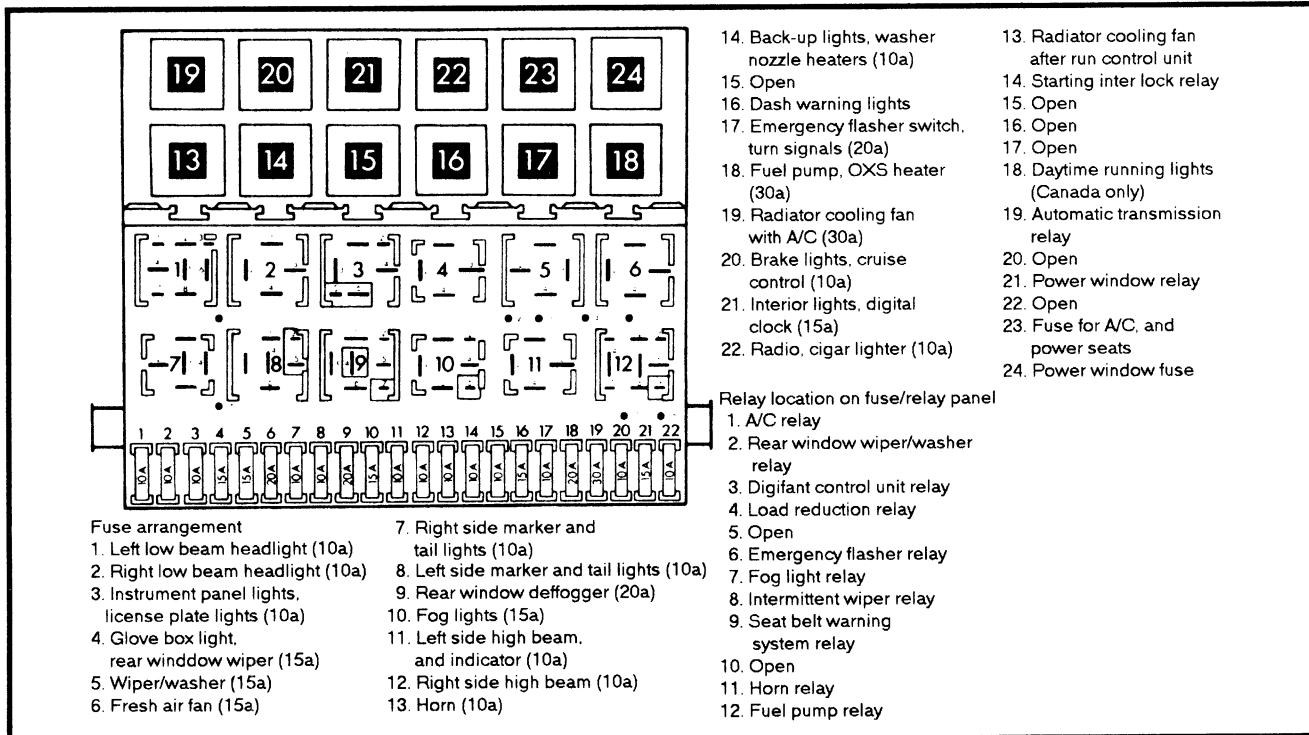
- **A/C Auxiliary Fan Pressure Switch** — is located on the dryer.
- **A/C Compressor Control Unit** — is located at the right side of the engine compartment, behind the battery.
- **A/C Compressor RPM Sensor** — is mounted at the rear of the compressor.
- **A/C Low Pressure Switch** — is located in the dryer.
- **A/C Relay** — is located on the main relay board.
- **A/C Temperature Cutoff Switch** — is located just below the water hose.
- **A/C Temperature Resistor** — is located in the evaporator core.
- **ABS Control Unit** — is located at the right rear of the engine compartment, behind the battery.
- **ABS Solenoid Valve Relay** — is located to the left of the master cylinder.
- **ABS Wheel Speed Sensor (rear)** — is located in the differential housing.
- **ABS Wheel Speed Sensors (left, front)** — is located on the left front steering knuckle.
- **ABS Wheel Speed Sensors (right, front)** — is located on the right front steering knuckle.
- **Air Bag** — see SRS.
- **Air Flow Sensor Position Indicator** — is located on the left of the mixture control unit.
- **Ambient Air Temperature Sensor** — is located on the top of the evaporator box.
- **Anti-lock Brakes** — see ABS.
- **Anti-theft Control Unit** — is located under the right front kick panel.
- **Anti-towing Sensor** — is located below the left rear seat.
- **ASD Control Unit** — is located in the front right corner of the engine compartment.

3 COMPONENT LOCATOR

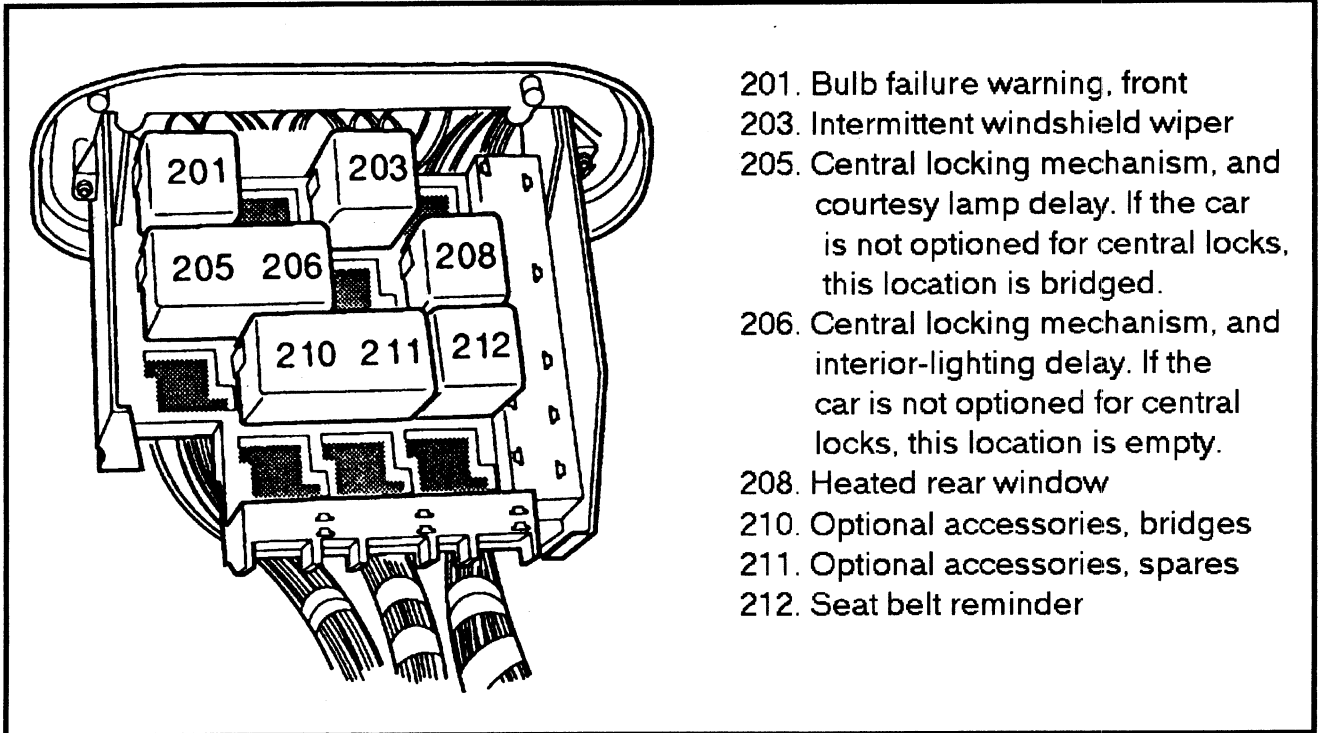
VOLKSWAGEN



Fuse/relay panel — Jetta



Fuse/relay panel — Golf and GTI 8V



Central electrical unit relay detail, passenger compartment — Volvo 850

- 201. Bulb failure warning, front
- 203. Intermittent windshield wiper
- 205. Central locking mechanism, and courtesy lamp delay. If the car is not optioned for central locks, this location is bridged.
- 206. Central locking mechanism, and interior-lighting delay. If the car is not optioned for central locks, this location is empty.
- 208. Heated rear window
- 210. Optional accessories, bridges
- 211. Optional accessories, spares
- 212. Seat belt reminder

YUGO

Fuses and Circuit Breakers

Some vehicles are equipped with circuit breakers. They are located in the fuse/relay panel

Fusible Links

No major fusible links are used in this vehicle.

Relay, Sensor, Switch, Module and Computer Locations

- **Air Temperature Switch** — is located in the air cleaner.
- **Back-Up Light Switch** — is located on the front of the transaxle.
- **Brake Fluid Level Switch** — is located in brake fluid reservoir.
- **Brake Light Switch** — is located on brake pedal support bracket.
- **Canister Purge Duty Solenoid (TEV)** — is in left rear engine compartment, near brake fluid reservoir in vacuum lines.

- **Component Relays** — are located in fuse/relay box.
- **Engine Coolant Fan Fuse** — is Usually 8 AMPS, located on radiator fan motor.
- **Engine Coolant Fan Thermal Switch** — is located at the bottom of the radiator.
- **Coolant Temperature Sensor** — see Engine Coolant Temperature Sensor.
- **Crankshaft Sensor** — see TDC Sensor.
- **Depression Damper/Condenser** — is located under right side of instrument panel, next to the Motronic management unit.
- **Diagnostic Test Connector (ECM)** — is in left rear engine compartment, above brake fluid reservoir.
- **Distributor** — is in left side of engine compartment, in back of cylinder head.
- **Engine Coolant Temperature Sensor** — is mounted in thermostat housing.
- **Engine Cooling Fan Motor** — is located in front of engine compartment, next to radiator.
- **Float Bowl Solenoid** — is located on carburetor float bowl.
- **Four Port Vacuum Valve** — is located on carburetor.
- **Fuel Filter** — is located below the vehicle, in front of fuel tank.
- **Fuel Injector** — is located on fuel distribution rail under intake manifold.

3 COMPONENT LOCATOR

YUGO

- **Fuel Pressure Regulator** — is in fuel line to fuel distribution rail.
- **Fuel Pump** — is in fuel tank.
- **Fuel Sending Unit** — is in engine compartment, near intake manifold.
- **Fuel Tank Level Sensor** — is located in top of fuel tank.
- **Fuse Panel** — is on right inner fender panel.

- **Hazard Flasher Relay** — is located on right inner fender panel, in fuse/relay panel.
- **Heater Blower Motor** — is located right rear engine compartment, near the bulkhead partition.
- **High Altitude Compensator** — is located on the carburetor.
- **Idle Speed Control** — is located in engine compartment, near intake manifold.
- **Ignition Coil** — is located in engine compartment, below battery.
- **Intake Air Temperature Sensor** — see Manifold Air Temperature Sensor (MAT).
- **Lambda Sensor** — see Oxygen Sensor.
- **Main Relay** — is located in right rear engine compartment, in fuse panel box.
- **Manifold Air Temperature Sensor (MAT)** — is located at base side of intake manifold.
- **Motronic Ground Terminal** — is located in front of engine, at base of intake manifold.
- **Motronic Management Unit** — is under the right side of instrument panel.
- **Oil Pressure Sending Unit** — is located on center of engine below the cylinder head.
- **Output Transistor** — is located in left front engine compartment, near battery.

- **Oxygen Sensor Pre-Heater** — is located in oxygen sensor.
- **Oxygen Sensor** — is in the engine compartment, on the left side of exhaust pipe.
- **Parking Brake Switch** — is attached to parking brake lever support bracket.
- **Pump Relay** — is located in right rear engine compartment, in fuse panel box.
- **Rear Washer Fluid Pump** — is located in bottom of washer fluid reservoir.
- **Rear Washer Fluid Reservoir** — is in left side of trunk.
- **Rear Wiper Motor** — is located on left side of the hatch back.
- **Rollover Valve** — is in middle rear of engine compartment, near bulkhead.
- **Starter Motor Solenoid** — is located on top of the starter motor.
- **Tank Emissions Switch Valve (TES)** — is located left rear engine compartment, near brake fluid reservoir in vacuum lines.
- **TDC and RPM Sensor** — is located on right front of engine, above crank sprocket.
- **Throttle Housing** — is located on center of engine, on intake manifold.
- **Throttle Position Sensor (potentiometer)** — is located on throttle body.
- **Vapor Canister** — is located left rear engine compartment.
- **Windshield Washer Pump** — is located in bottom of windshield washer fluid reservoir, in left side of engine compartment.
- **Windshield Wiper Motor** — is located in rear of engine compartment, on bulkhead.

Back of cap City lead