

1997 Cadillac Catera

1997 GENERAL MOTORS Catera

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Catera

BUZZERS, RELAYS & TIMERS

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Component	Component Location
A/C Compressor Relay	On left front of engine compartment, in ECM housing.
Auxiliary Water Pump Relay	On left front of engine compartment, in ECM housing.
Daytime Running Lamp (DRL) Relay	On right side of steering column, on relay box. See Fig. 4 .
Door Lock Relay	Mounted on lower right A-pillar, behind BCM.
Driver Seat Heater Relay	Under left side of dash. See Fig. 4 .
ECM Relay	On left front of engine compartment, in ECM housing.
Electronic Fuel Injection Relay	On left front of engine compartment, in ECM housing.
Fan Control Relays (5)	On left front of engine compartment, in ECM housing.
Fuel Pump Relay	On left front of engine compartment, in ECM housing.
Heated Outside Rear View Mirror & Rear Window Defogger Relay	On right side of steering column, on relay box. See Fig. 4 .
Horn Relay	On right side of steering column, on relay box. See Fig. 4 .
Left Headlamp Relay (High Beam)	On right side of steering column, on relay box. See Fig. 4 .
Low Beam Relay	On right side of steering column, on relay box. See Fig. 4 .
Park Lamp Relay	On right side of steering column, on relay box. See Fig. 4 .
Passenger Seat Heater Relay	Under left side of dash. See Fig. 4 .
Rear Seat Cushion Heater Relay	Under left side of rear seat.
Rear Suspension Leveling Air Compressor Relay	On right side of steering column, on relay box. See Fig. 4 .
Right Headlamp Relay (High Beam)	On right side of steering column, on relay box. See Fig. 4 .
Secondary Air Injection Pump Relay	On left front of engine compartment, in ECM housing.
Windshield Wiper Motor Relay	On left front of engine compartment, in ECM housing.

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES

Component	Component Location
Fuse Block	Mounted to dash, on lower left side of steering

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Component	Component Location
Power Distribution Fuse Block	On left front of engine compartment, attached to ECM housing.
Relay Box	To right side of steering column. See Fig. 4 .

CONTROL UNITS

CONTROL UNITS

Component	Component Location
Body Control Module (BCM)	Mounted on right A-pillar, behind trim panel.
CD Changer	On right side of rear compartment.
Cruise Control Module	On right rear of engine compartment, mounted to lower rail.
Driver Seat Adjuster Memory Module	Attached to underside of driver's seat.
Electronic Brake/Traction Control Module (EBTCM)	On left front of engine compartment, mounted to lower rail.
Engine Control Module (ECM)	On left front of engine compartment, in ECM housing. See Fig. 1 .
Inflatable Restraint I/P Module	Mounted inside right side of dash.
Inflatable Restraint Sensing/ Diagnostic/Seat Belt Pretensioner Module	Under center console, near parking brake lever.
Inflatable Restraint Steering Wheel Module	Mounted on steering column.
Multi-Function Relay Module	Under left side of dash. See Fig. 4 .
Power Steering Control Module	Under left side of dash. See Fig. 4 .
Radio Antenna Amplifier	Below left side of rear window panel trim.
Remote Control Door Lock Receiver	In rear compartment, below left side of rear window trim panel.
Sound Processor Amplifier	In rear compartment, below left side of rear window trim panel.
Sound Processor Interface	In rear compartment, below left side of rear window trim panel.
Theft Deterrent Module	Mounted to ignition lock cylinder, upper right side of steering column.
Transmission Control Module (TCM)	Behind right side of dash.

MOTORS

MOTORS

Component	Component Location
Auxiliary Water Pump	On right rear of engine compartment.
Blower Motor	Behind right side of dash, part of HVAC module.
ECM Cooling Blower	On left front of engine compartment, in ECM housing.
Fuel Pump	Under rear of vehicle, inside fuel tank.
Heater Blower	Behind right side of dash (part of HVAC Module).
Rear Suspension Leveling Air Compressor	On right front of vehicle.
Secondary Air Injection Pump	On left front rail, under wheelhouse.
Sun Roof Actuator	Front center of roof, above inside rear view mirror.
Timing Control Pump	On left front of engine compartment, to right of

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Component	Component Location
Washer Pump Motor	On right rear of engine compartment.

SENDING UNITS & SENSORS

SENDING UNITS & SENSORS

Component	Component Location
Automatic Level Control Sensor	Attached to right side of rear differential.
Brake Fluid Minimum Capacity Sensor	Part of brake master cylinder reservoir cap.
Camshaft Position (CMP) Sensor	On front of engine block. See Fig. 1 .
Cooling Fluid Minimum Capacity Sensor	Inside engine coolant overflow reservoir.
Crankshaft Position (CKP) Sensor	On right rear of engine block.
Engine Coolant Temperature (ECT) Sensor	Mounted in coolant bridge. See Fig. 1 .
Engine Oil Level Sensor	In lower right front of engine block.
Front Disc Brake Pad Wear Sensors (2)	Attached to respective front brake caliper.
Front Wheel Speed Sensors (2)	Attached to respective front steering knuckle.
Fuel Tank Pressure Sensor	Under rear of vehicle, inside of fuel tank.
Heated Oxygen Sensor (HO2S) (Bank 1, Position 1)	In right front pipe of exhaust catalytic converter.
Heated Oxygen Sensor (HO2S) (Bank 1, Position 2)	In right rear pipe of exhaust catalytic converter.
Heated Oxygen Sensor (HO2S) (Bank 2, Position 1)	In left front pipe of exhaust catalytic converter.
Heated Oxygen Sensor (HO2S) (Bank 2, Position 2)	In left rear pipe of exhaust catalytic converter.
Intake Air Temperature (IAT) Sensor	In air intake passage, between air cleaner & resonance chamber. See Fig. 1 .
Knock Sensor (KS) (Bank 1)	On right side of engine. See Fig. 2 .
Knock Sensor (KS) (Bank 2)	On left side of engine. See Fig. 2 .
Mass Air Flow (MAF) Sensor	In air intake passage, between air cleaner & resonance chamber. See Fig. 2 .
Oil Pressure Sensor	Lower right front of engine block.
Output Shaft Speed (OSS) Sensor	On left rear of transmission housing.
Rear Wheel Speed Sensors (2)	Mounted inboard on respective side of rear axle differential.
Throttle Position (TP) Sensor	On throttle body assembly. See Fig. 2 .

SOLENOIDS & SOLENOID VALVES

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Component	Component Location
Evaporative (EVAP) Purge Solenoid Valve	On right rear of intake manifold plenum. See Fig. 1 .
Evaporative (EVAP) Tank Solenoid Valve	On right rear of engine compartment, attached to strut tower. See Fig. 1 .
Fuel Injectors	On top of engine, along each side of intake manifold.
Fuel Tank Filler Door Lock Actuator	Inside rear compartment, near fuel door filler.
Idle Air Control (IAC) Valve	Attached to left side of intake manifold plenum. See Fig. 1 .
Intake Plenum Switch-Over Solenoid Valve	On left rear of engine. See Fig. 2 .
Intake Plenum Switch-Over Valve	On left rear of engine. See Fig. 2 .
Intake Resonance Switch-Over Solenoid Valve	Attached to rear of resonance chamber. See Fig. 2 .
Intake Resonance Switch-Over Valve	Attached to rear of resonance chamber. See Fig. 2 .

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Component	Location
Steering Fluid Flow Control Valve Actuator	On left side of steering gear.
Separative (EM) Pump Solenoid Valve	On left front of engine compartment, to right of battery. See Fig. 3 .

SWITCHES

SWITCHES

Component	Component Location
A/C Compressor Refrigerant Pressure Switch	On left front of engine compartment, mounted in A/C compressor/condenser hose. See Fig. 3 .
A/C Control Switch	On left front of engine compartment, to right of battery. See Fig. 3 .
Automatic Transmission Low & 2nd Blockout Switch	In center console.
Automatic Transmission Switch	On left front of engine compartment, to right of battery.
Cruise Control Switch	On left side of steering column.
Engine Oil Pressure Indicator Switch	Lower right front of engine.
Ignition Switch	Mounted to ignition lock cylinder.
Park Brake Indicator Switch	Attached to park brake lever, in center console.
Pressure Switch	On left front of engine compartment, to right of battery.
Seat Belt Switch	Part of driver's seat belt buckle.
Starter Solenoid Switch	On lower right side of engine, attached to starter motor.
Stop Lamp Switch	Attached to brake pedal.
Temperature Switch No. 1	In upper left side of radiator.
Temperature Switch No. 2	In upper left side of radiator.
Transmission Control Selector Switch	Attached to left side of transmission.
Turn Signal Switch	Attached to left side of steering column.
Wide Open Throttle (WOT) Switch	Attached to throttle cable, below dash.
Windshield Washer Solvent Level Switch	Inside windshield washer solvent reservoir.

MISCELLANEOUS

MISCELLANEOUS

Component	Component Location
A/C Compressor Clutch Coil	Attached to left front of engine compartment (part of A/C compressor).
A/C Compressor Clutch Diode	At A/C compressor clutch coil connector.
Battery	On left front of engine compartment.
Data Link Connector (DLC)	Attached to I/P carrier, lower left side of steering column.
ECM Housing	On left front of engine compartment. See Fig. 1 .
Engine Coolant Fan Resistor	On left side of engine compartment, mounted beneath battery. See Fig. 3 .
Generator	Attached to right lower front of engine.
Horn No. 1	Behind left front grille, near left fog lamp.
Horn No. 2	Behind right front grille, near right fog lamp.

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Ignition Coil	Mounted to left rear of engine block. See Fig. 2 .
Inflatable Restraint Steering Wheel Module Coil	Mounted on steering column.
Lifting Magnet	Attached to ignition switch.
Test Connector	On left front of engine compartment, in ECM housing.
Turn Signal Flasher	On right side of steering column, on relay box. See Fig. 4 .

CONNECTORS

CONNECTORS

Component	Component Location
C100 (Black)	In left front of engine compartment.
C101	In left front of engine compartment.
C102 (Brown, 6 Pin)	In left front of engine compartment.
C105 (White, 20 Pin)	In left front of engine compartment.
C106 (Blue, 20 Pin)	In left front of engine compartment.
C108 (Black, 2 Pin)	In right rear of engine compartment.
C110 (Black, 9 Pin)	In ECM housing.
C111 (Gray, 6 Pin)	In left front of engine compartment.
C112 (Black)	On top left of engine block.
C200A (Black, 62 Pin)	At lower left "A" pillar.
C200B (Black, 45 Pin)	At lower left "A" pillar.
C210 (Black, 42 Pin)	At lower right "A" pillar.
C301 (White, 9 Pin)	At base of right "B" pillar.
C302 (White, 9 Pin)	At base of left "B" pillar.
C303 (Black, 15 Pin)	On lower left "B" pillar.
C304 (Black, 15 Pin)	On lower right "B" pillar.
C305 (Black, 2 Pin)	Underneath sun roof actuator.
C310 (Gray, 20 Pin)	Underneath driver's seat.
C315 (Black, 8 Pin)	Underneath driver's seat.
C315B (Black, 8 Pin)	Underneath driver's seat.
C315C (Black, 8 Pin)	Underneath driver's seat.
C315D (Black, 8 Pin)	Underneath driver's seat.
C316 (Black, 8 Pin)	Underneath passenger's seat.
C316C (Black, 8 Pin)	Underneath passenger's seat.
C316D (Black, 8 Pin)	Underneath passenger's seat.
C320 (Black, 9 Pin)	Underneath left rear seat.
C400 (Black, 8 Pin)	Near front of fuel tank.
C401 (Gray, 6 Pin)	In rear compartment.
C405 (White, 9 Pin)	Next to left back-up lamp.
C500	At lower left "A" pillar.
C600 (Black, 40 Pin)	At lower right "A" pillar.

GROUND

GROUND

Component	Component Location
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G100	Below power steering pump.
G101	On negative battery cable.
G102	On negative battery cable.
G103	At left front of engine compartment.
G200	On lower left "A" pillar.
G201	On steering column support.
G400	Near left stop/taillamp.

SPLICES

SPLICES

Component	Component Location
S101	Forward lamp wiring harness, 26 cm from C100.
S102	Forward lamp wiring harness, 26 cm from C100.
S103	Body wiring harness, 27 cm from P107.
S104	Body wiring harness, 83 cm from P103.
S105	Body wiring harness, 83 cm from P103.
S106	Body wiring harness, 83 cm from P103.
S107	Body wiring harness, at EBTCM connector breakout.
S108	A/C control wiring harness, 12 cm from C111 breakout.
S109	A/C control wiring harness, 12 cm from C111 breakout.
S111	A/C control wiring harness, 12 cm from C111 breakout.
S112	A/C control wiring harness, inside ECM housing.
S113	A/C control wiring harness, inside ECM housing.
S114	A/C control wiring harness, inside ECM housing.
S115	A/C control wiring harness, inside ECM housing.
S116	A/C control wiring harness, inside ECM housing.
S120	ECM wiring harness, inside ECM housing.
S125	A/C control wiring harness, 12 cm from C111 breakout.
S126	ECM wiring harness, inside ECM housing.
S127	ECM wiring harness, inside ECM housing.
S128	ECM wiring harness, inside ECM housing.
S129	ECM wiring harness, inside ECM housing.
S130	ECM wiring harness, inside ECM housing.
S131	ECM wiring harness, inside ECM housing.
S140	I/P wiring harness, near brake fluid minimum capacity sensor connector breakout.
S145	Windshield washer nozzle heater wiring harness, 68 cm from C108.
S146	Windshield washer nozzle heater wiring harness, 68 cm from C108.
S150	Fuel injector wiring harness, near C112 breakout.
S160	A/C control wiring harness, in ECM housing.
S200	I/P wiring harness, near DLC breakout.

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S201	I/P wiring harness, on headlamp switch connector breakout.
S205	I/P wiring harness, 17 cm from P106.
S207	I/P wiring harness, on headlamp switch connector breakout.
S211	I/P wiring harness, near DLC breakout.
S212	I/P wiring harness, near multifunction relay K134 breakout.
S213	I/P wiring harness, near DLC breakout.
S220	I/P wiring harness, near DLC breakout.
S224	I/P wiring harness, near G201 breakout.
S225	I/P wiring harness, near G201 breakout.
S226	I/P wiring harness, near G201 breakout.
S227	I/P wiring harness, near G201 breakout.
S229	I/P wiring harness, near instrument cluster breakout.
S232	I/P wiring harness, near heater & A/C control connector breakout.
S241	I/P wiring harness, near DLC branch breakout.
S242	Rear amplifier wiring harness, near C210 connector breakout.
S245	I/P wiring harness, near multifunction relay K134 breakout.
S246	I/P wiring harness, near multifunction relay K134 breakout.
S248	I/P wiring harness, near instrument cluster connector breakout.
S250	I/P wiring harness, near instrument cluster connector breakout.
S251	I/P wiring harness, near G201 breakout.
S252	I/P wiring harness, near G201 breakout.
S260	Body wiring harness, near G200 breakout.
S261	Body wiring harness, near G200 breakout.
S270	Body wiring harness, 62 cm from C200 breakout.
S271	Body wiring harness, 62 cm from C200 breakout.
S272	Body wiring harness, 62 cm from C200 breakout.
S301	Sunshade illuminated mirror wiring harness, 4 cm from C305 breakout.
S307	Body wiring harness, base of right "A" pillar.
S308	Body wiring harness, base of right "A" pillar.
S309	Body wiring harness, base of right "A" pillar.
S310	Rear seat heater wiring harness, 8 cm from C320 breakout.
S317	Body wiring harness, base of left "A" pillar.
S318	Body wiring harness, 5 cm from C200 breakout.
S319	Body wiring harness, base of left "A" pillar.
S320	Body wiring harness, base of left "A" pillar.
S321	Body wiring harness, base of left "A" pillar.
S322	Body wiring harness, base of left "A" pillar.

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Component	Component Location	Location
S330	Rear seat control wiring harness	8 cm from C320 breakout.
S101	Forward lamp wiring harness, 26 cm from C103.	
S335	Rear seat heater wiring harness	8 cm from C320 breakout.
S102	Forward lamp wiring harness, 26 cm from C103.	
S400	Body wiring harness, 23 cm from C103.	8 cm remote control receiver breakout.
S103	Body wiring harness, 27 cm from P407.	
S401	Body wiring harness, 85 cm from P103.	near C401 breakout.
S104	Body wiring harness, 85 cm from P103.	
S105	Body wiring harness, 83 cm from P103.	
S106	Body wiring harness, 85 cm from P103.	near C401 breakout.
S107	Body wiring harness, at EBTCM connector	
S403	Rear compartment lid wiring harness, 6 cm from C405 breakout.	
S108	A/C control wiring harness, 12 cm from C114 breakout.	
S410	Body wiring harness, 23 cm from C114 breakout.	8 cm remote control receiver breakout.
S109	A/C control wiring harness, 12 cm from C114 breakout.	
S502	Left front side door wiring harness, 26 cm from C500 breakout.	
S111	A/C control wiring harness, 12 cm from C114 breakout.	
S602	Right front side door wiring harness, 26 cm from C600 breakout.	
S700	Left rear side door wiring harness, 28 cm from P700.	
S800	Right rear side door wiring harness, 28 cm from P800.	

COMPONENT LOCATION GRAPHICS

NOTE: Figures may show multiple component locations. Refer to appropriate table for proper figure references.

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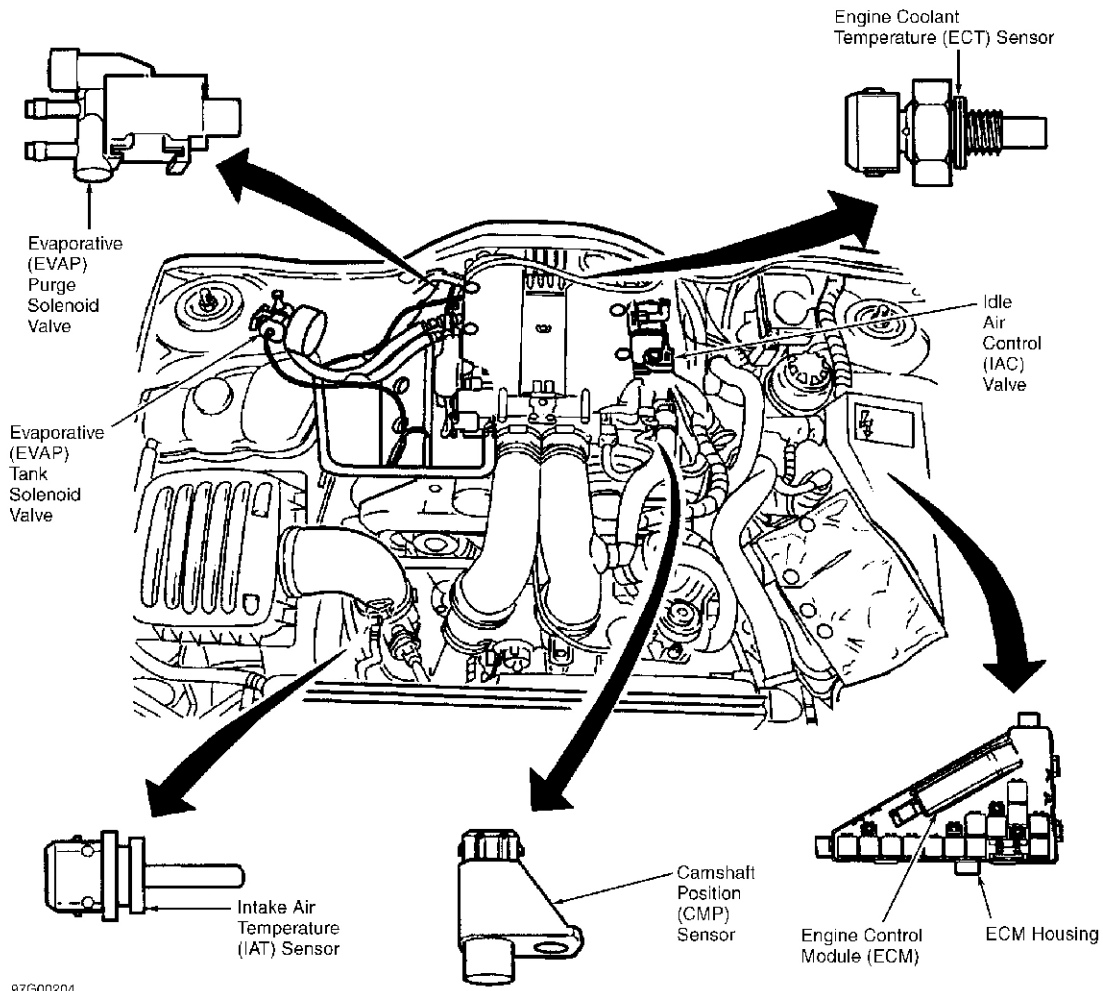
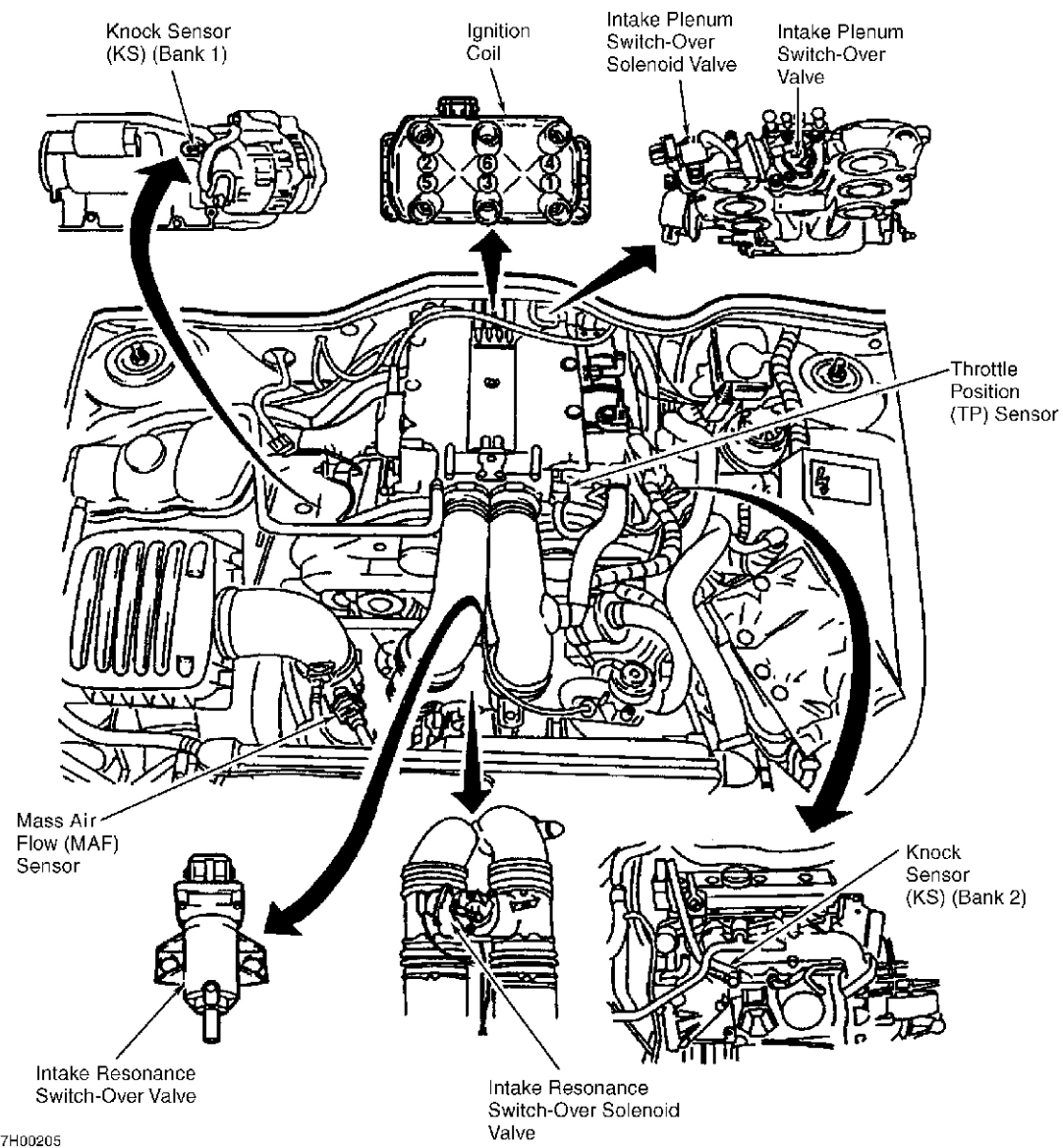


Fig. 1: Top Of Engine

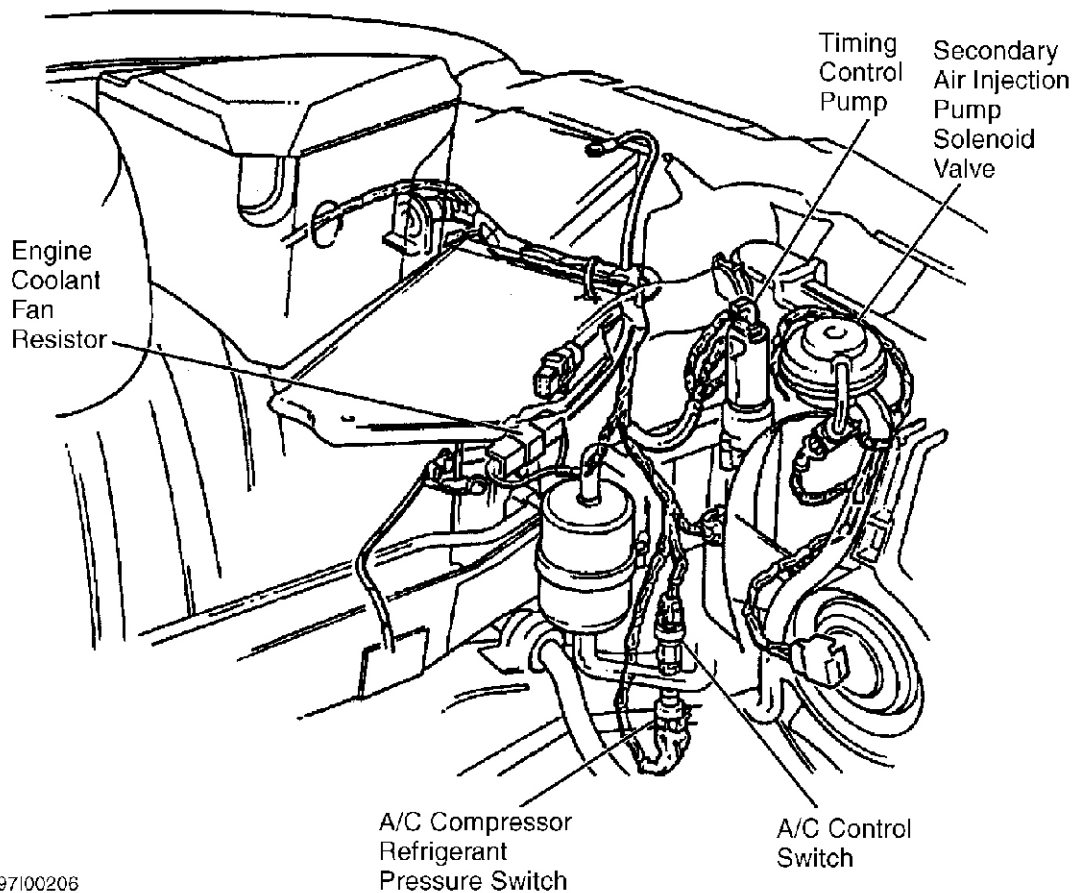
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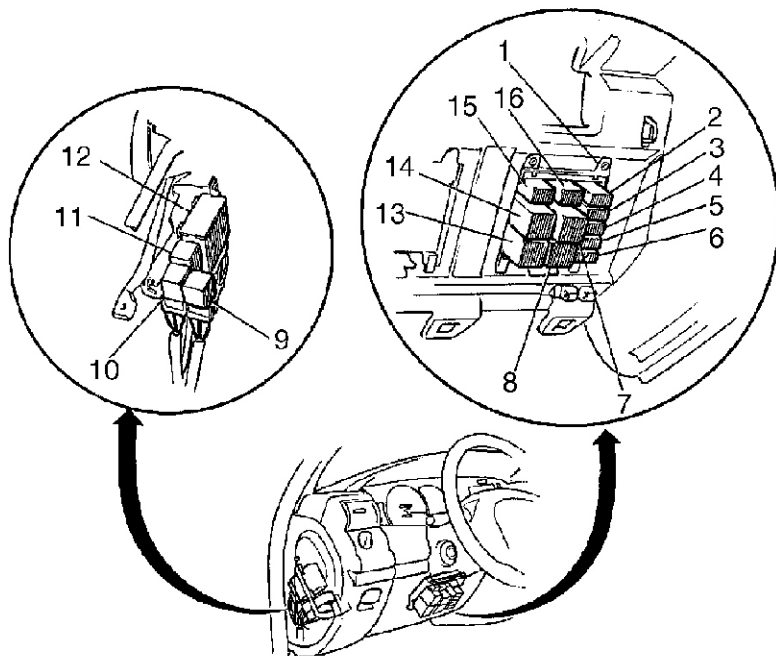
97H00205

Fig. 2: Top Of Engine



97J00206

Fig. 3: Left Front Of Engine Compartment



- | | |
|------------------------------------|--|
| 1. Relay Box | 10. Driver Seat Heater Relay |
| 2. Park Lamp Relay | 11. Power Steering Control Module |
| 3. Low Beam Relay | 12. Multi-Function Relay Module |
| 4. Not Used | 13. Right Headlamp Relay (High Beam) |
| 5. Not Used | 14. Heated Outside Rear View Mirror & Rear Window Defogger Relay |
| 6. Left Headlamp Relay (High Beam) | 15. Daytime Running Lamp (DRL) Relay |
| 7. Turn Signal Flasher | 16. Rear Suspension Leveling Air Compressor Relay |
| 8. Horn Relay | |
| 9. Passenger Seat Heater Relay | |

97J00207

Fig. 4: Fuse Block

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