

ELECTRICAL COMPONENT LOCATOR

Article Text

1992 Lexus SC 400

For Lextreme Powertrain 2020 S. Hacienda Blvd. # D Hacienda Heights California 91745

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Sunday, June 29, 2003 06:46AM

ARTICLE BEGINNING

1992 LEXUS

Electrical Component Locator

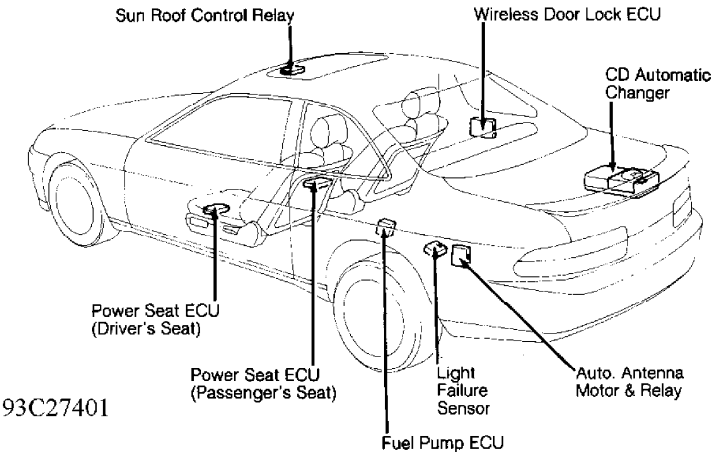
SC300 & SC400

SAFETY PRECAUTION

WARNING: When working on vehicles equipped with Supplemental Restraint System (SRS), never apply electrical voltage to the system. This could cause the SRS (air bag) to be deployed. For complete Air Bag Safety precautions see AIR BAGS article in ACCESSORIES/SAFETY EQUIPMENT Section.

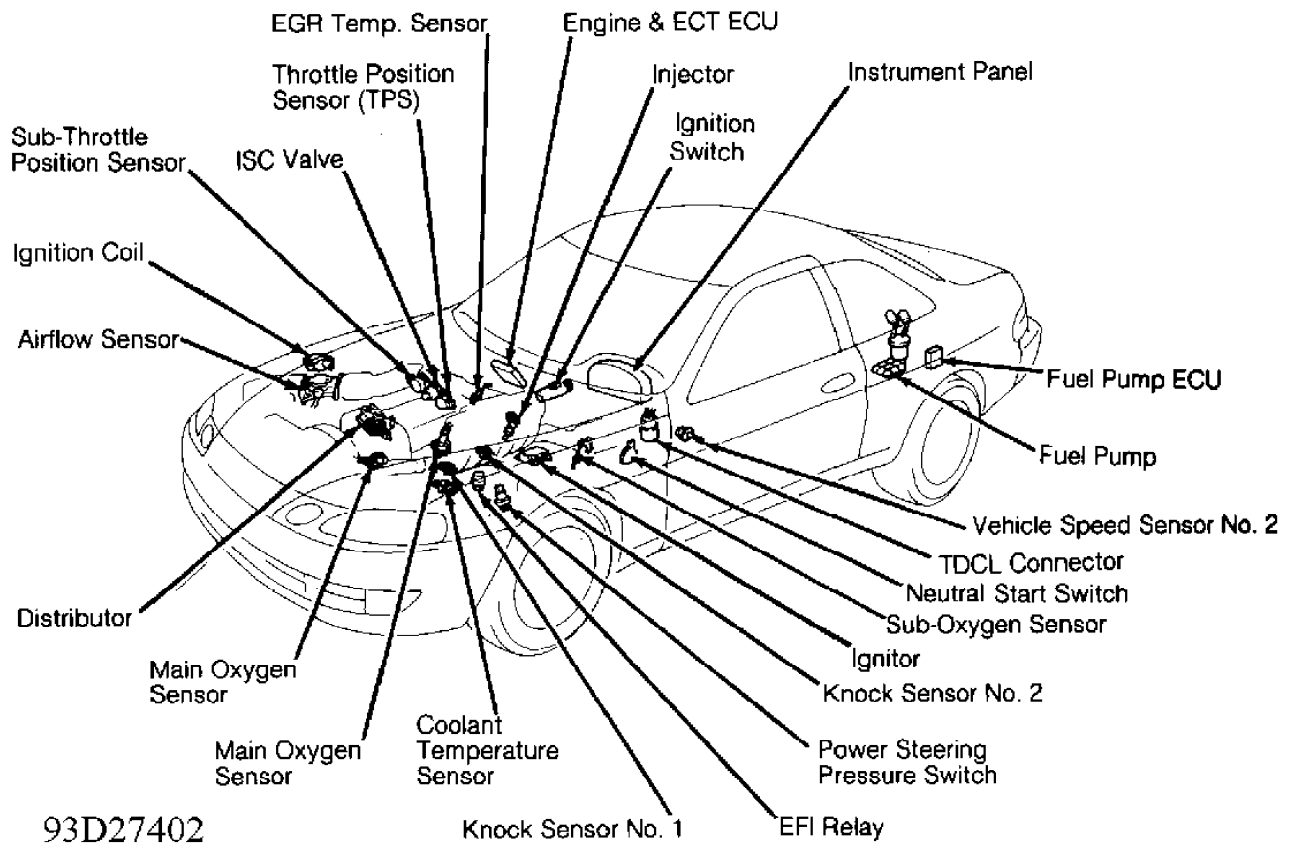
BUZZERS, RELAYS & TIMERS

Component	Component Location
ABS	
Actuator Relay	In ABS/TRAC relay block, on left side of firewall.
Motor Relay	In ABS/TRAC relay block, on left side of firewall.
A/C Clutch Relay	In engine compartment fuse/relay block.



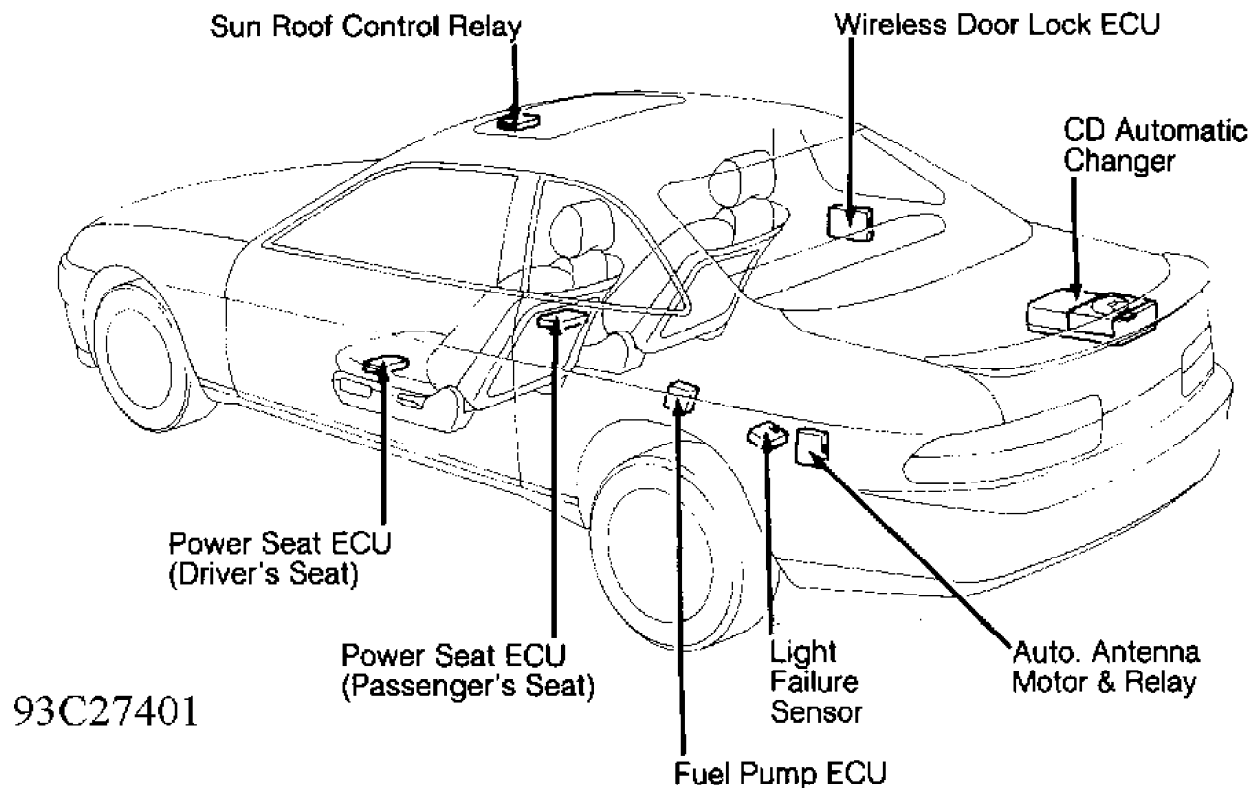
Auto. Antenna Motor Relay On antenna motor, on left side of luggage compartment.

Cellular Phone Speaker Relay	In left side of luggage compartment, near transceiver.
Cornering Light Relay	In passenger compartment fuse/relay block.
Defogger Relay	In engine compartment fuse/relay block.
Dimmer Relay	In engine compartment fuse/relay block.



EFI Relay	In engine compartment fuse/relay block.
Headlight Relay	In engine compartment fuse/relay block.
Heater Relay	In engine compartment fuse/relay block.

Horn Relay	In passenger compartment fuse/relay block.
Integration Relay	In passenger compartment fuse/relay block.
Power Window Main Relay	In passenger compartment fuse/relay block.
Seat Heater Relay	In passenger compartment fuse/relay block.
Starter Relay	In engine compartment fuse/relay block.



Sun Roof Control Relay	On left of sun roof control switch.
Taillight Control Relay	In passenger compartment fuse/relay block.
TRAC System	

ELECTRICAL COMPONENTS

Main Relay	In ABS/TRAC relay block, on left side of firewall.
Motor Relay	In ABS/TRAC relay block, on left side of firewall.
Turn Signal/Hazard Flasher Relay	In passenger compartment fuse/relay block.

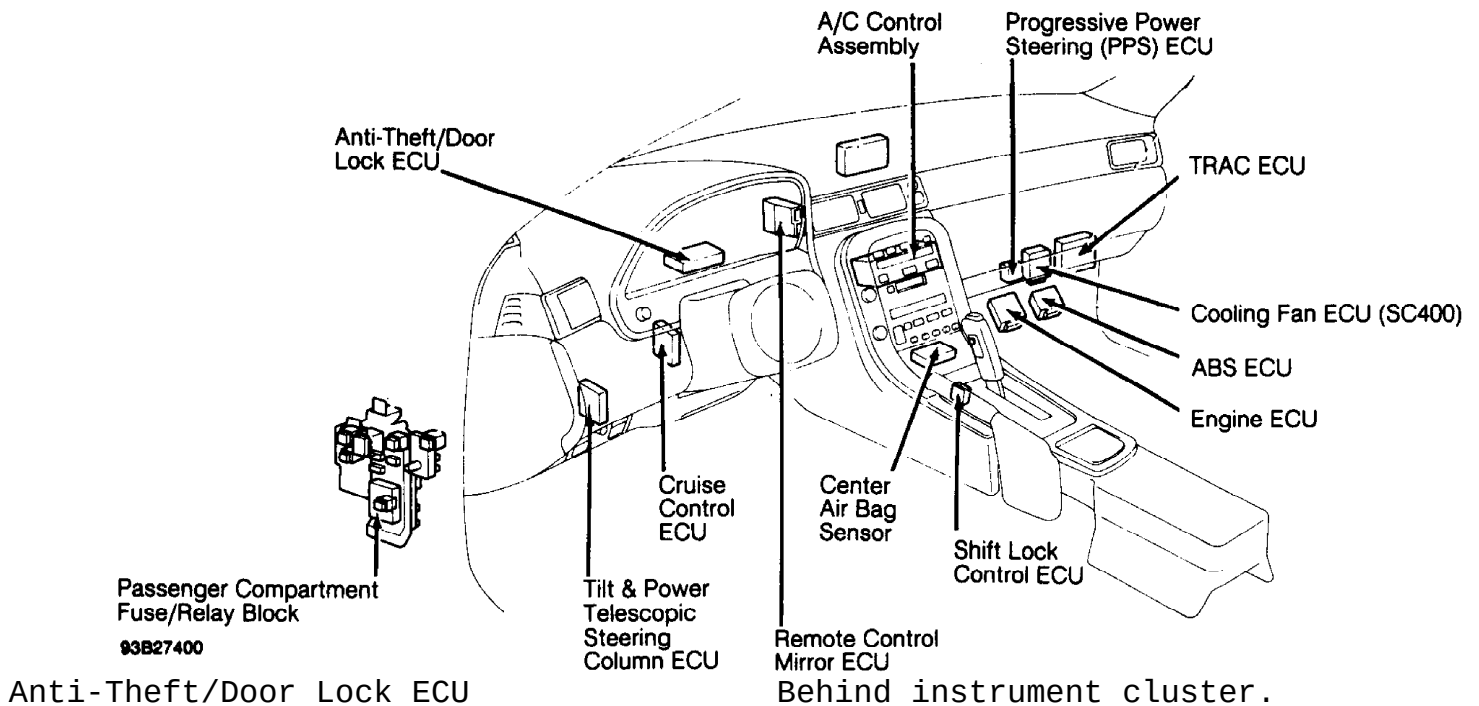
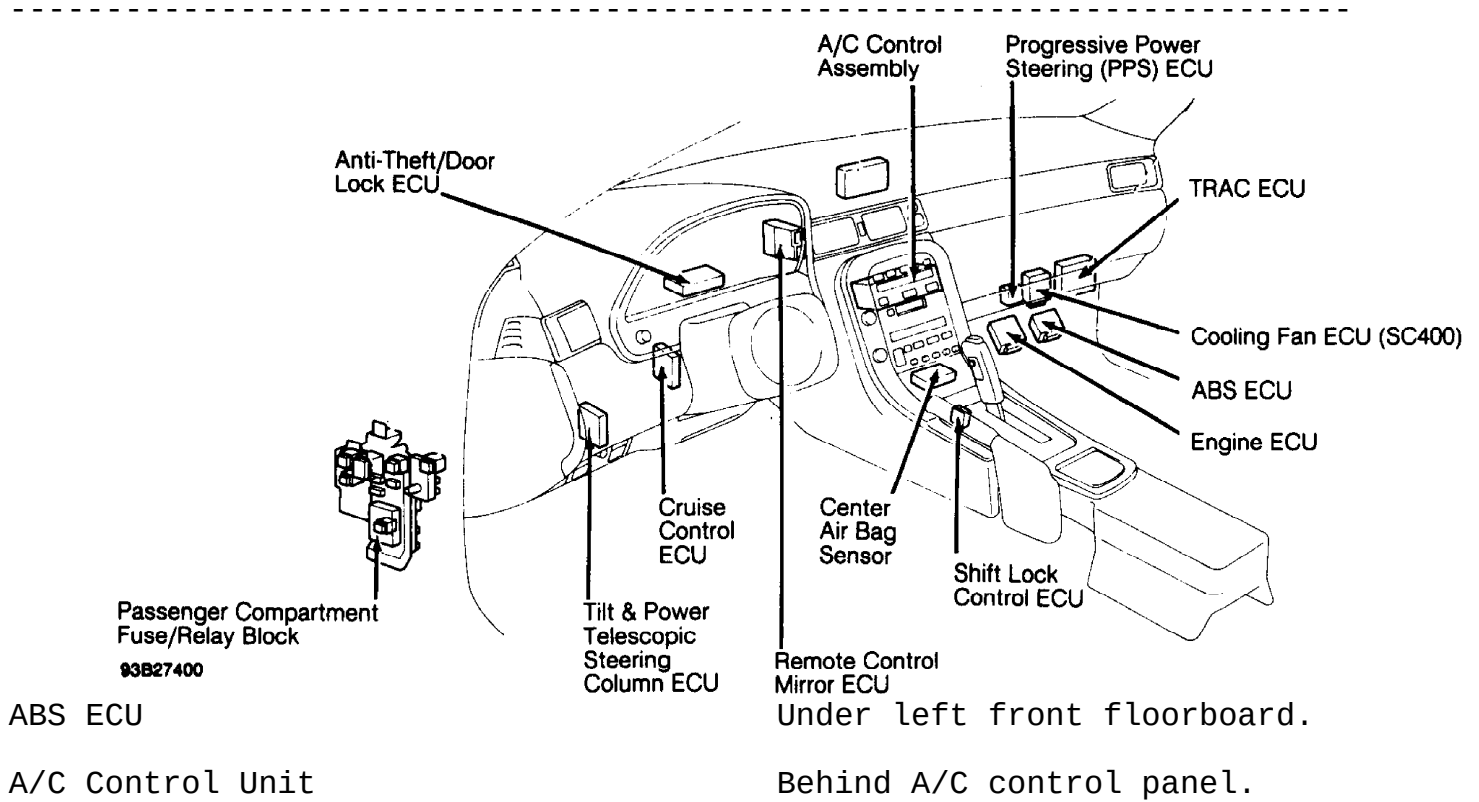
CIRCUIT PROTECTION DEVICES

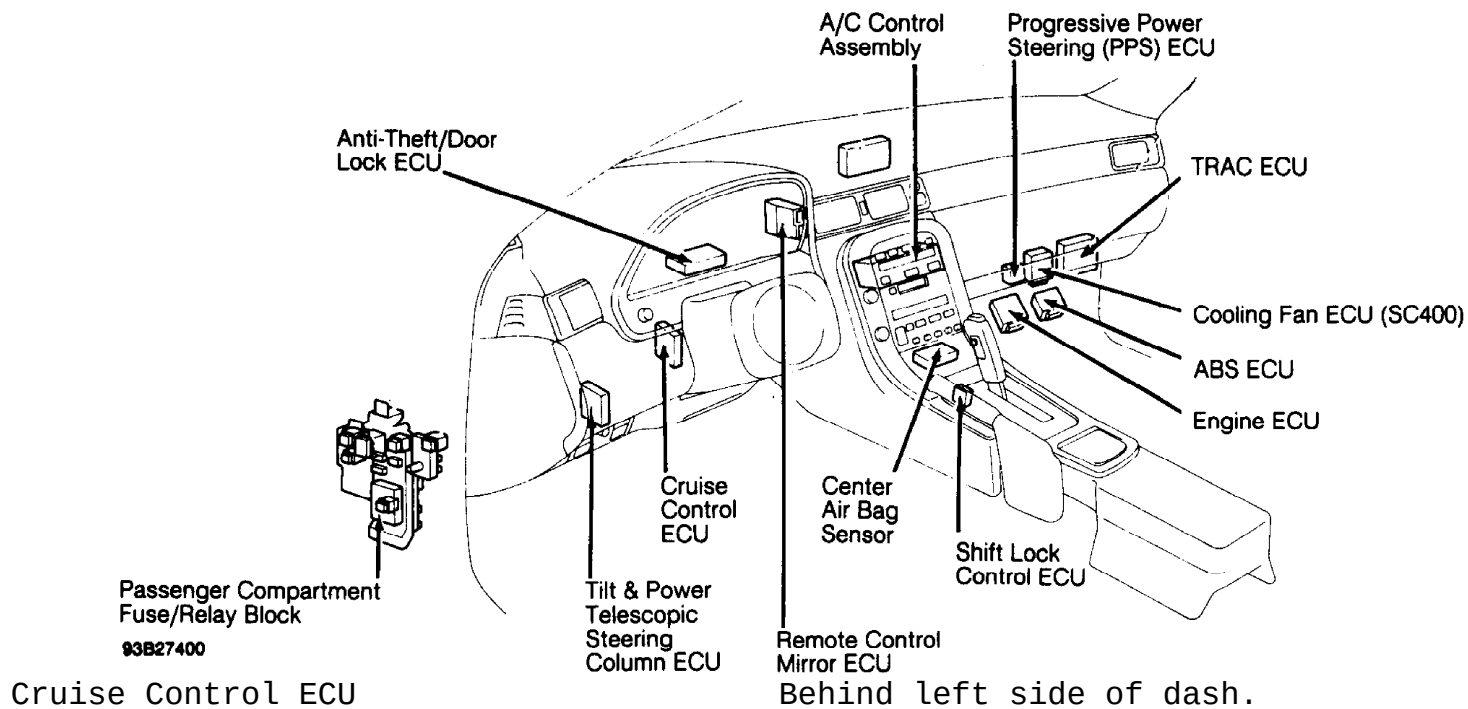
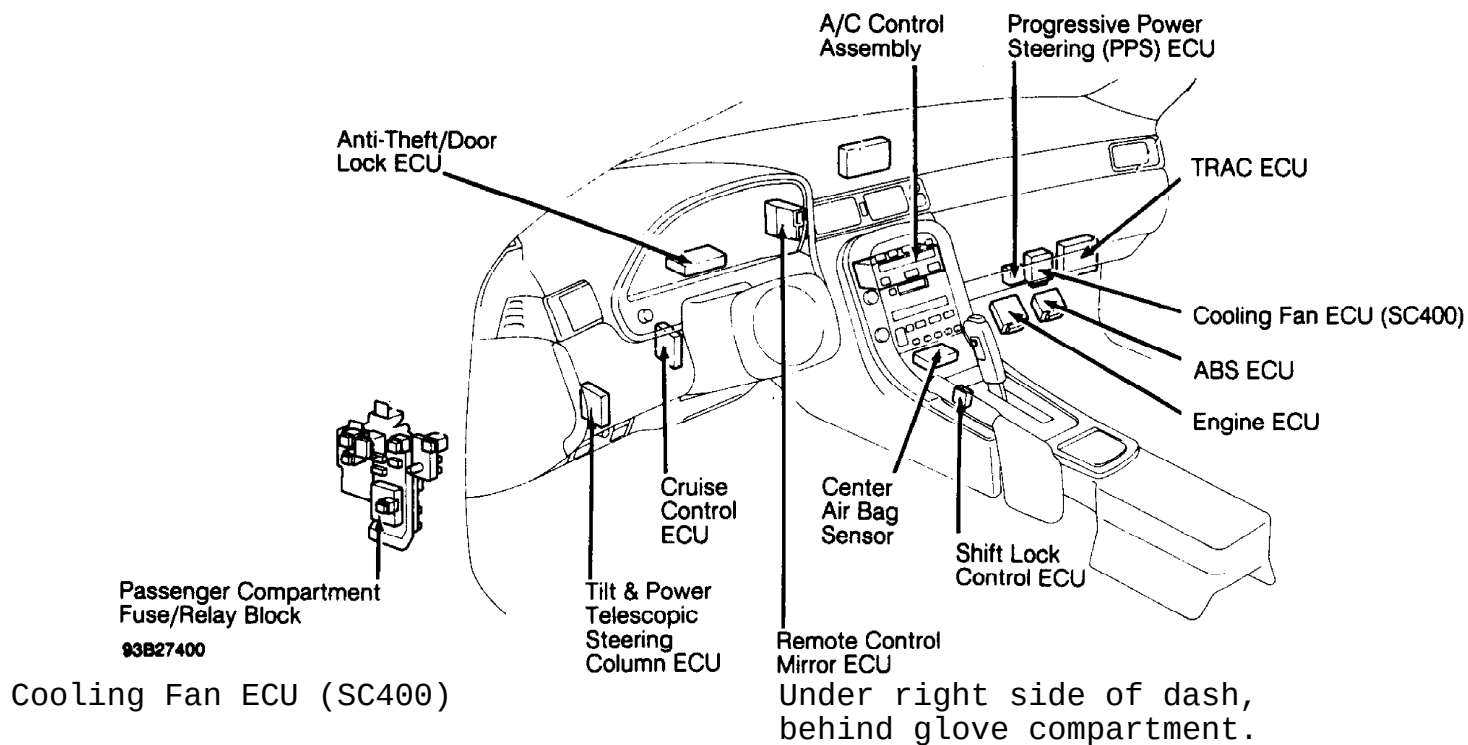
Component	Component Location
Fuse/Relay Blocks Engine Compartment	On left front of engine compartment, behind battery.

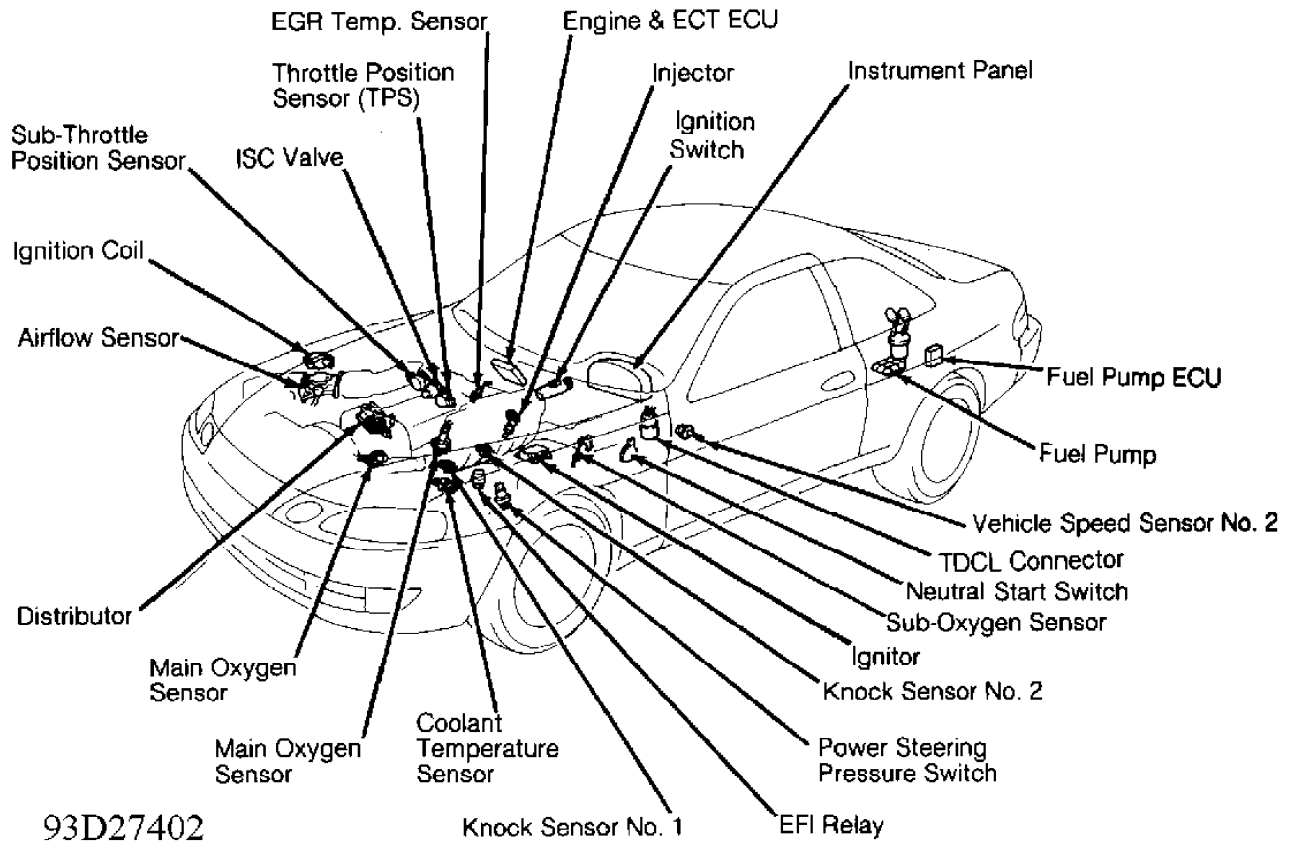
Passenger Compartment Fuse/Relay Block 93B27400 Passenger Compartment	Relay Block (ABS & TRAC) On left side of firewall.
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CONTROL UNITS

Component	Component Location
ELECTRICAL COMPONENT LOCATOR	

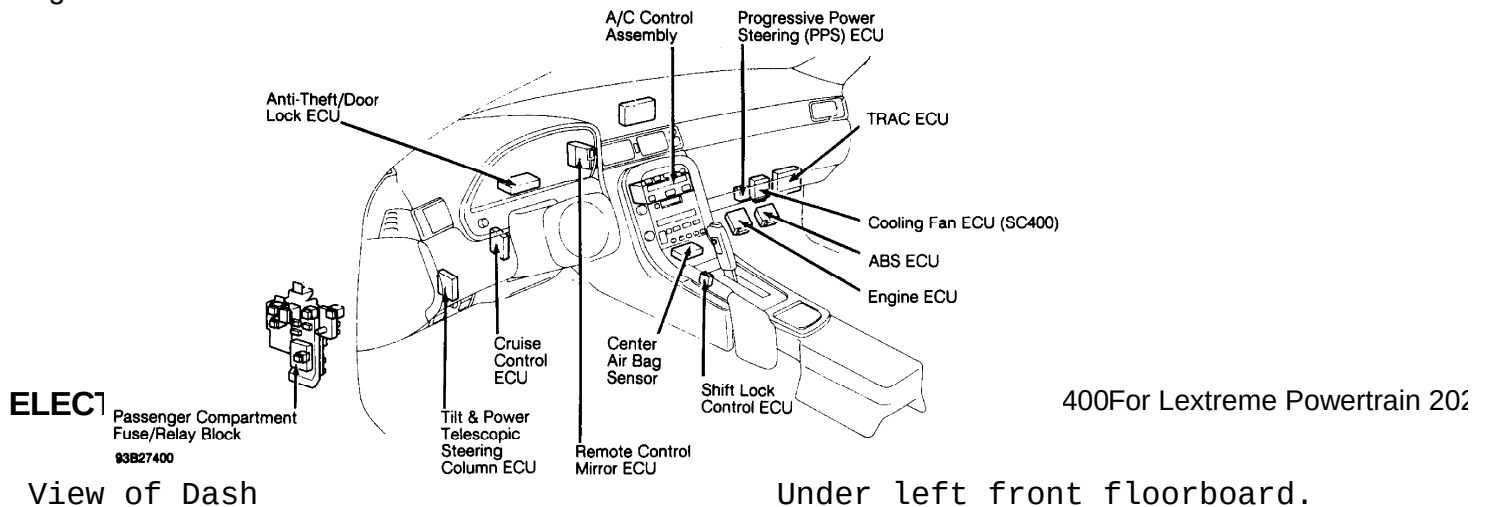


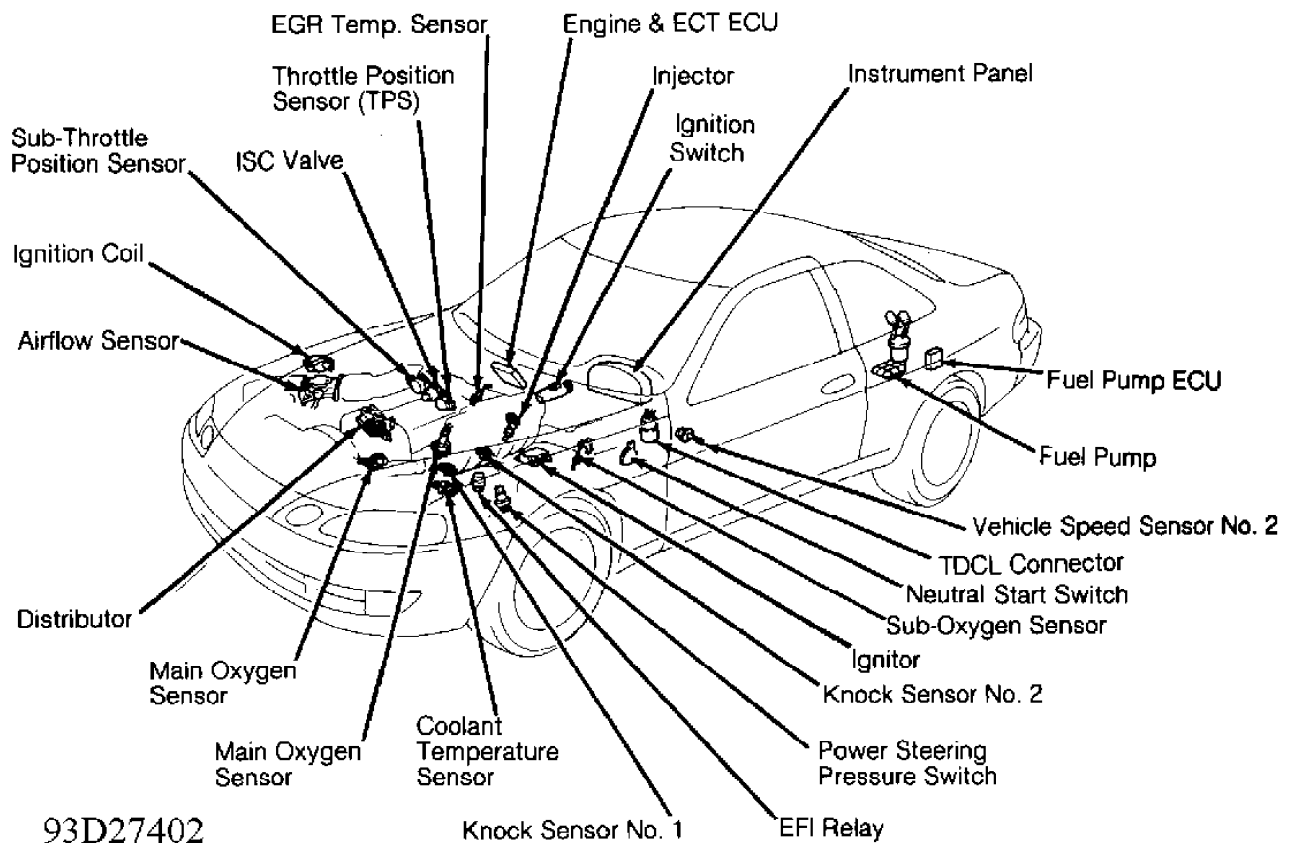




Elec. Controlled Trans. (ECT) ECU Under left front floorboard.

Engine ECU

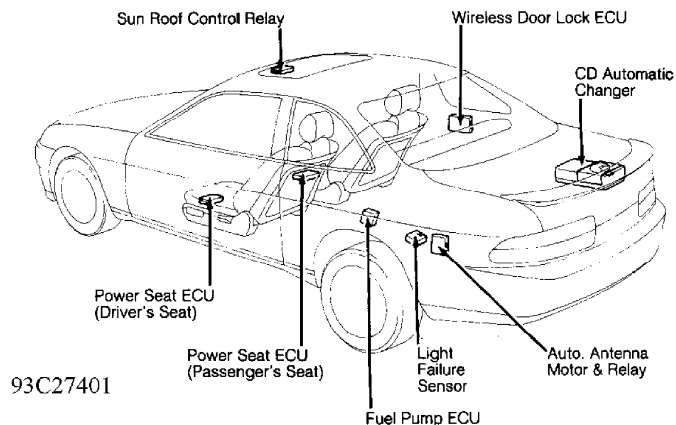




Harness Layout

Under left front floorboard.

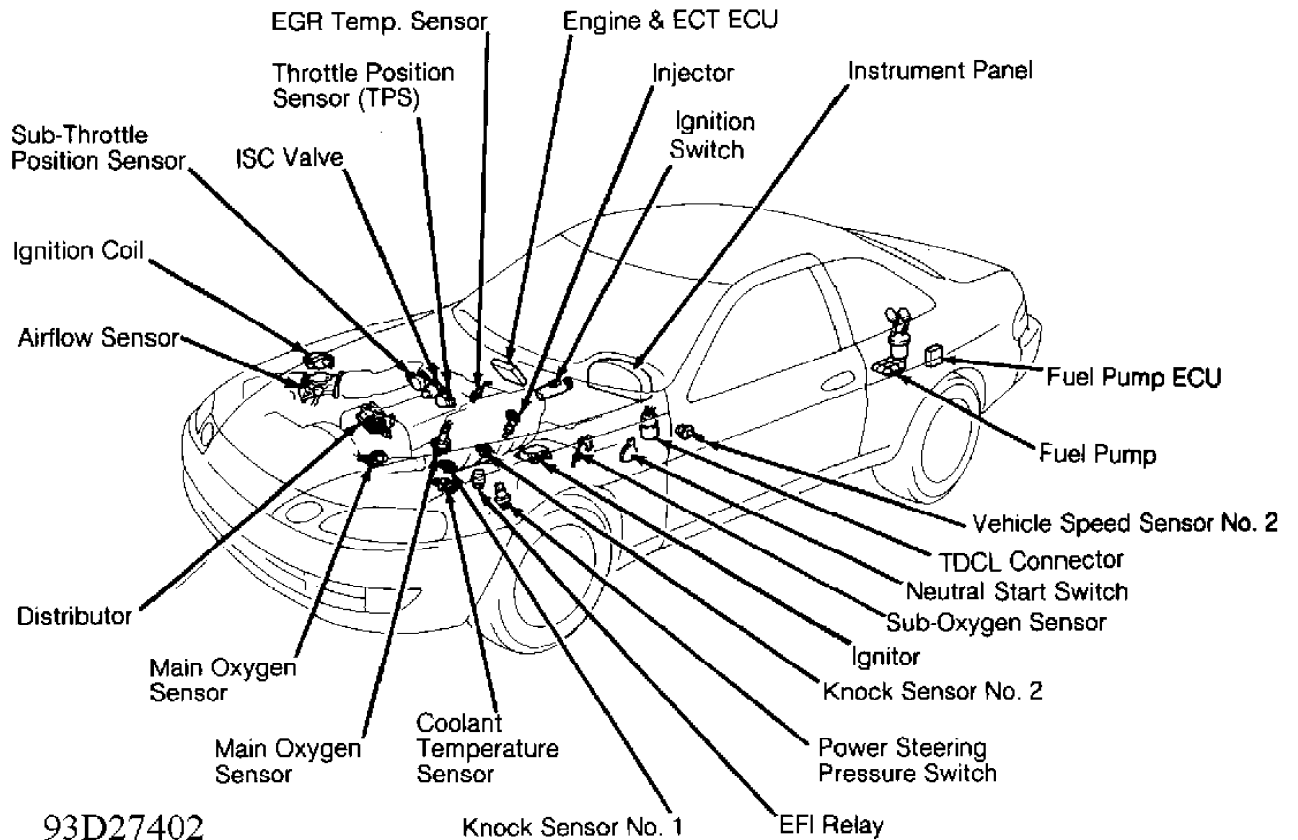
Fuel Pump ECU



Location of Control Units

Behind left rear quarter

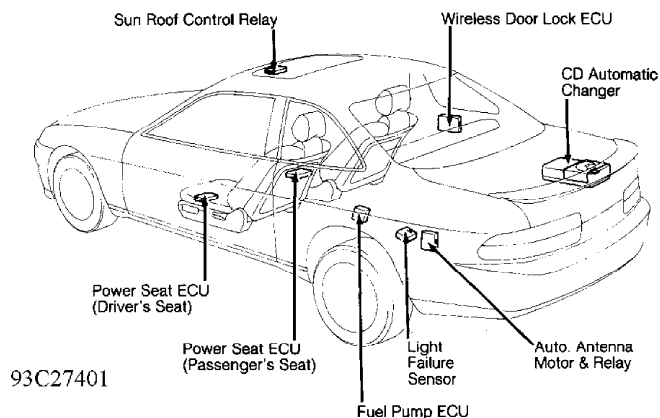
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Harness Layout

Behind left rear quarter panel.

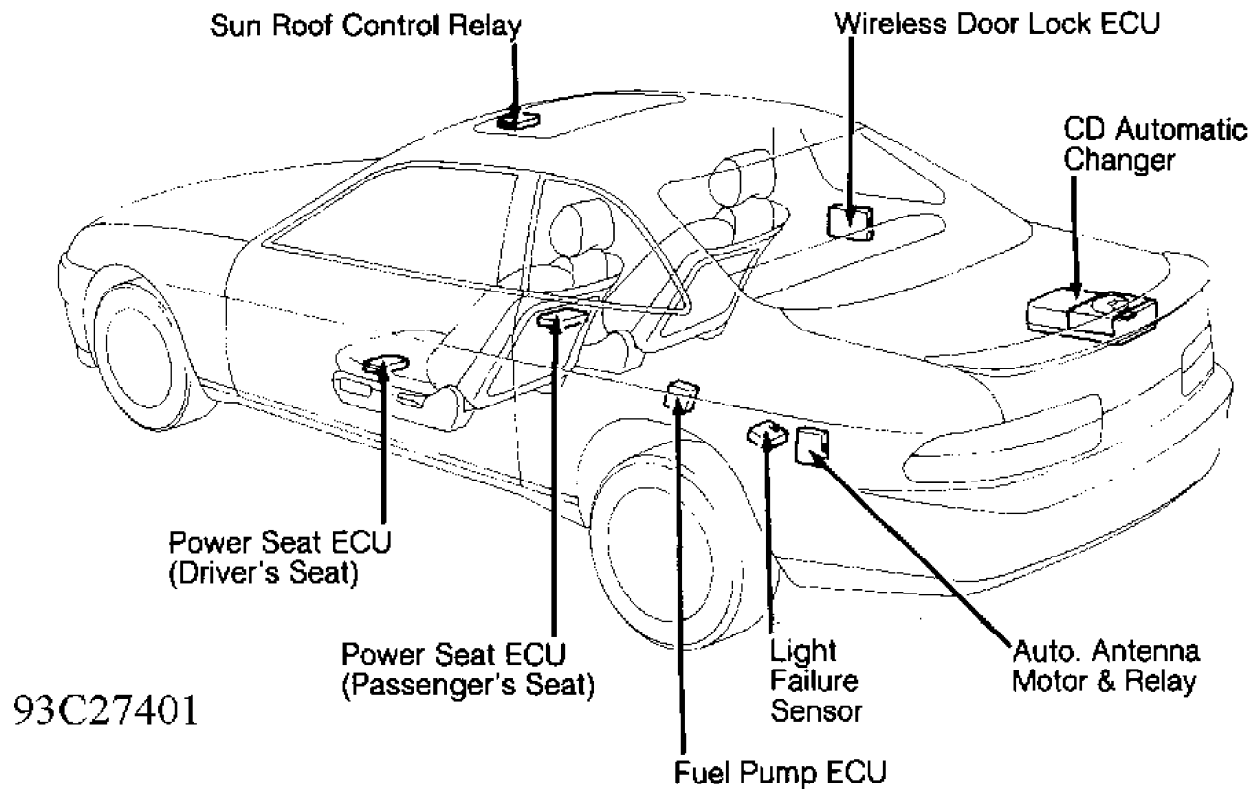
Power Seat ECU



Driver Seat

Under driver's seat.

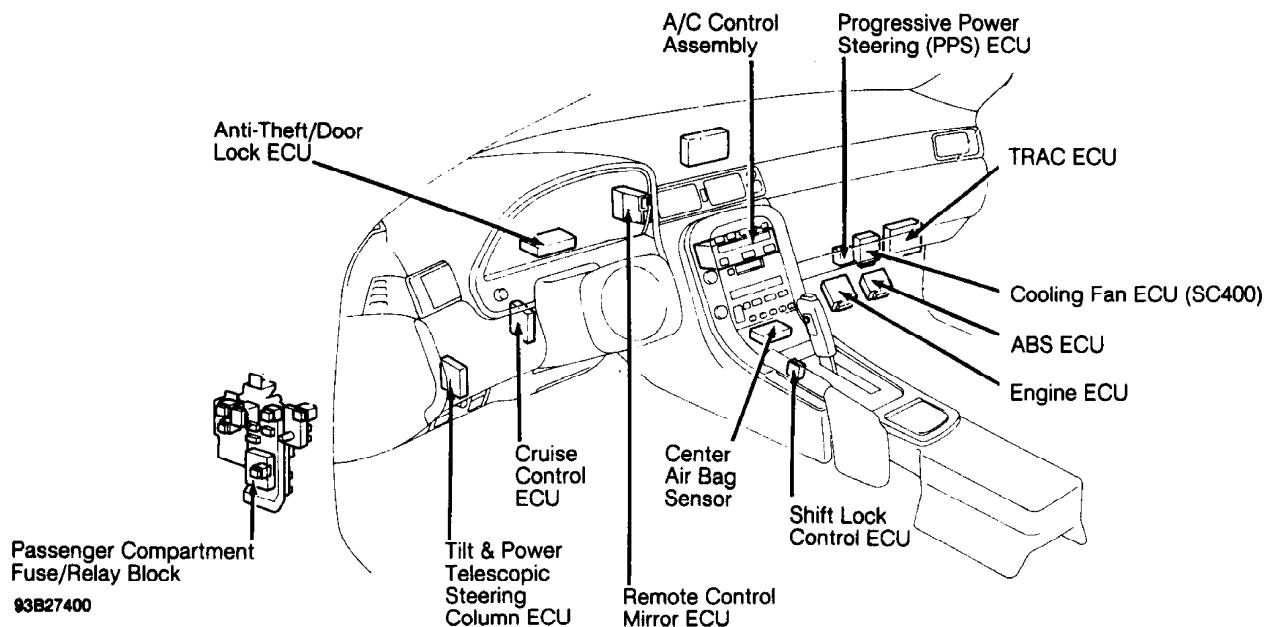
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Passenger Seat

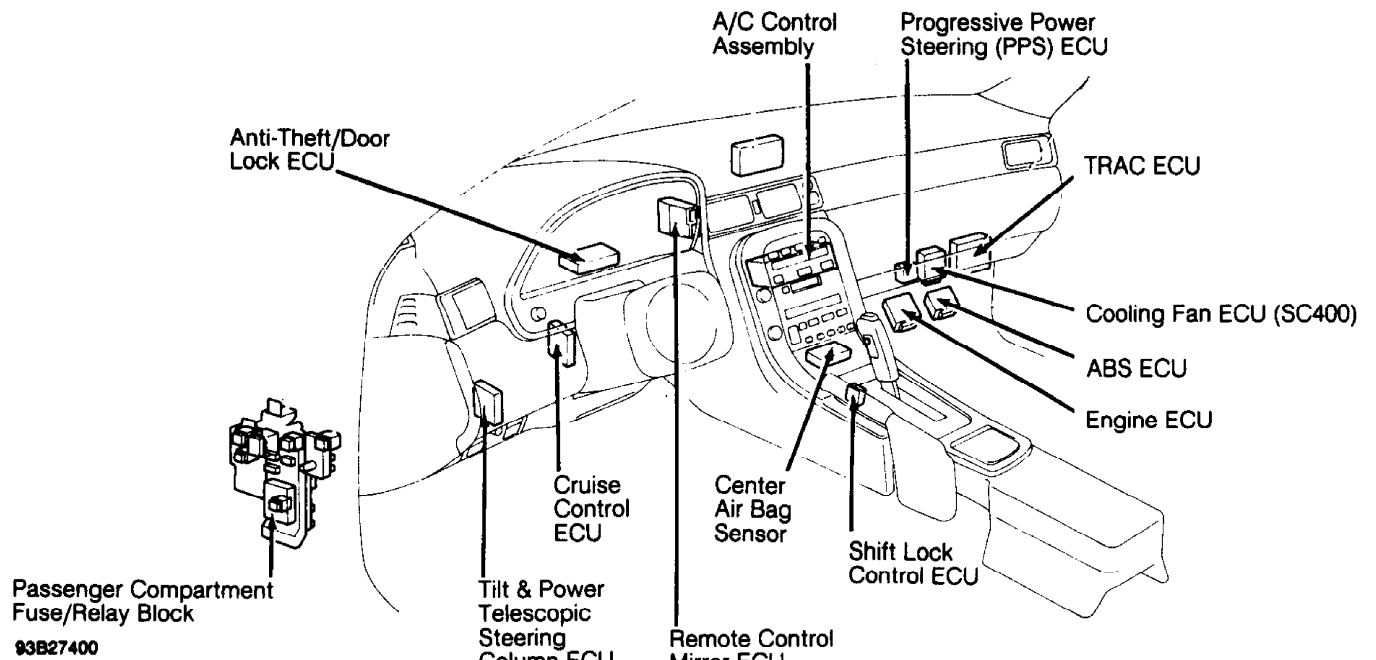
Under front passenger's seat.



Progressive Power
Steering (PPS) ECU

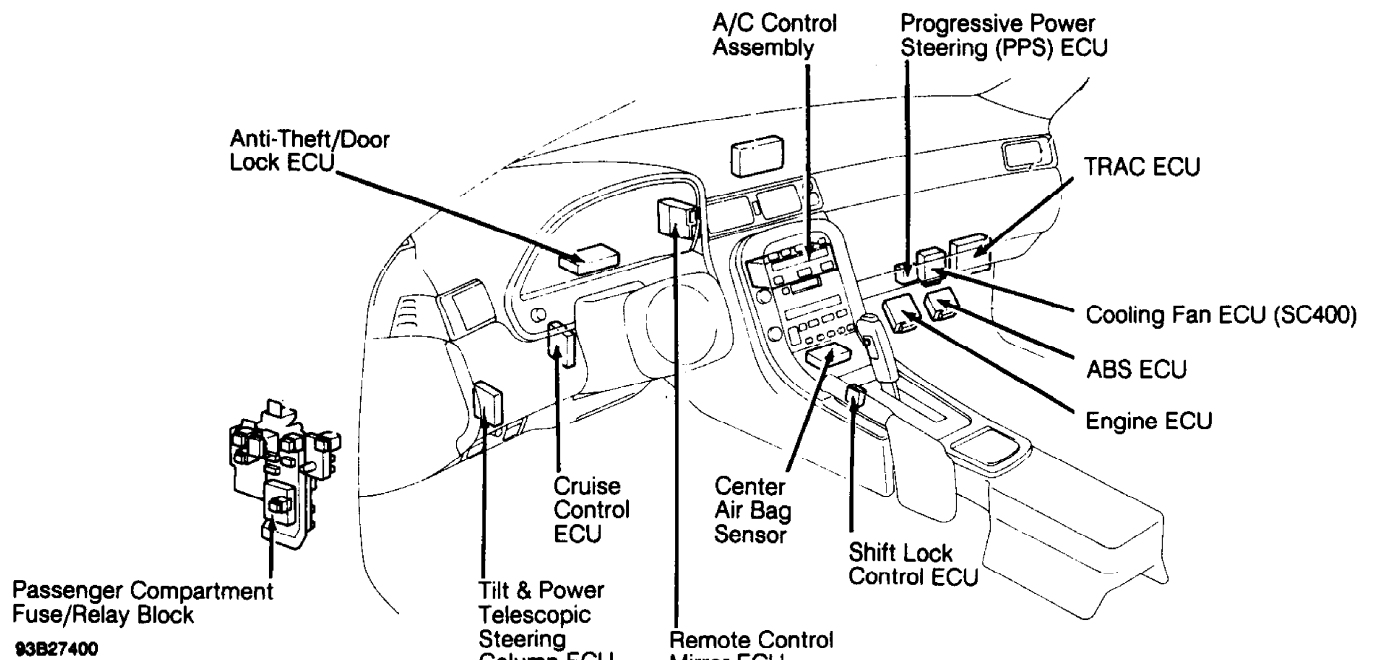
Under right side of dash.

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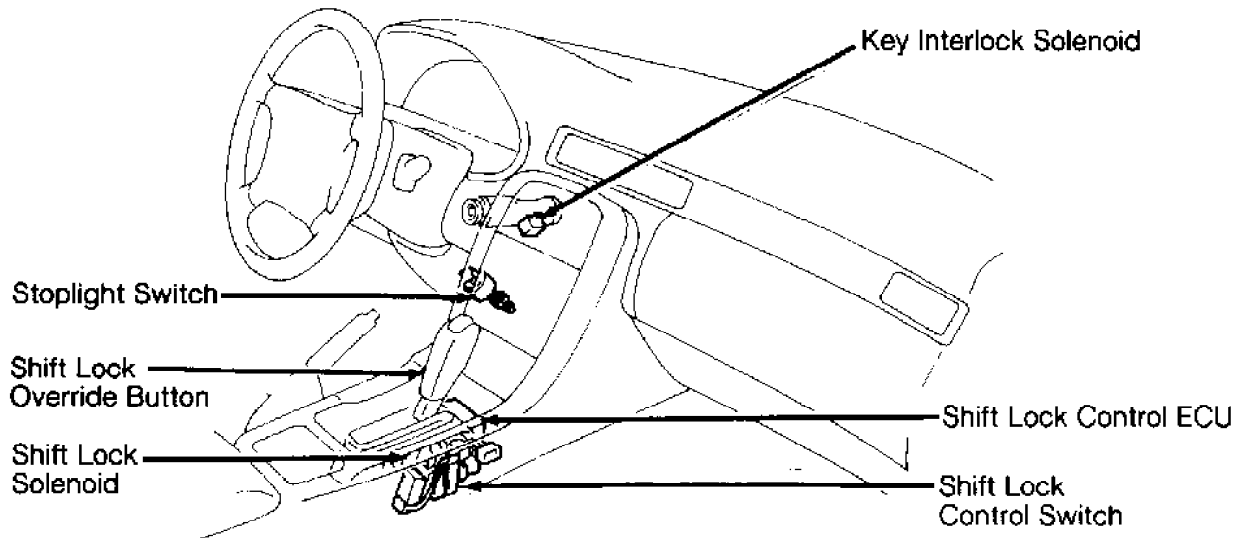
Remote Control Mirror ECU

Shift Lock Control ECU



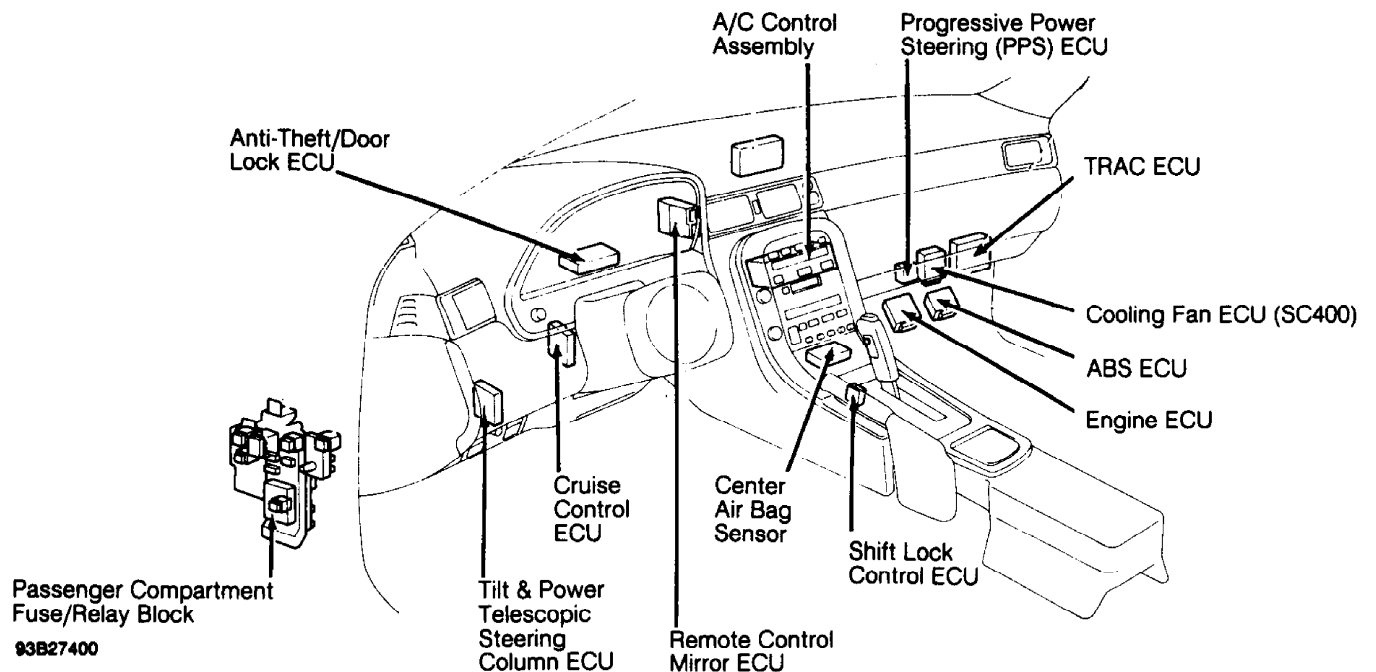
View of Dash

Under center console, left of shifter.



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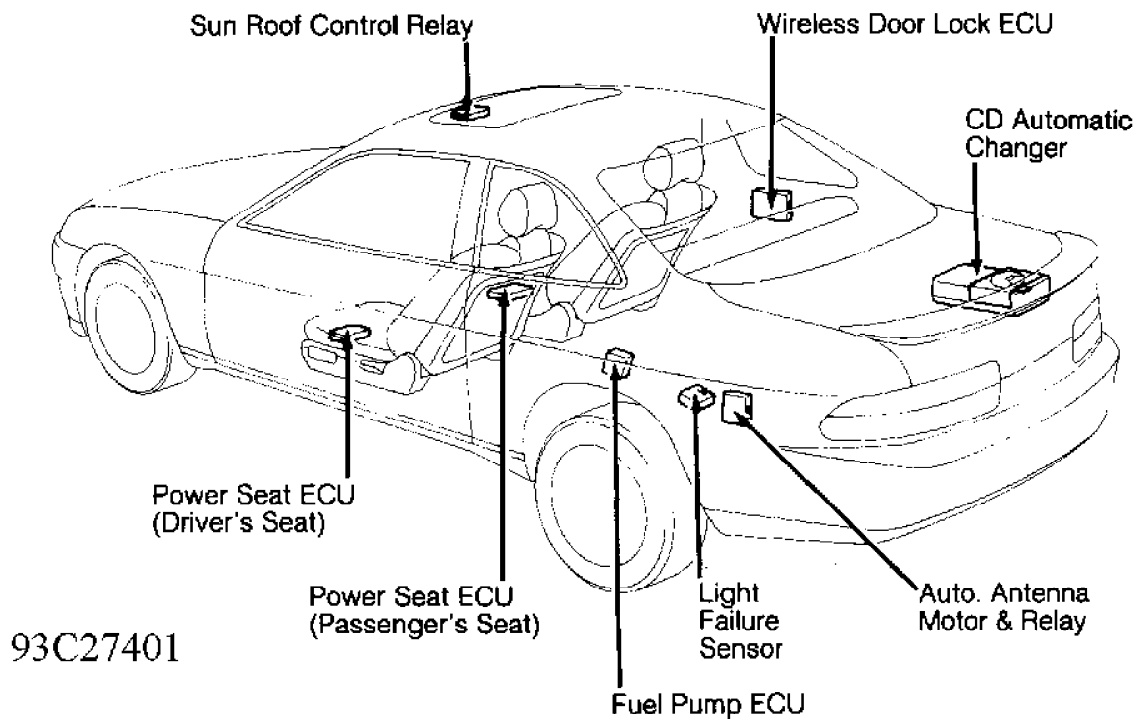
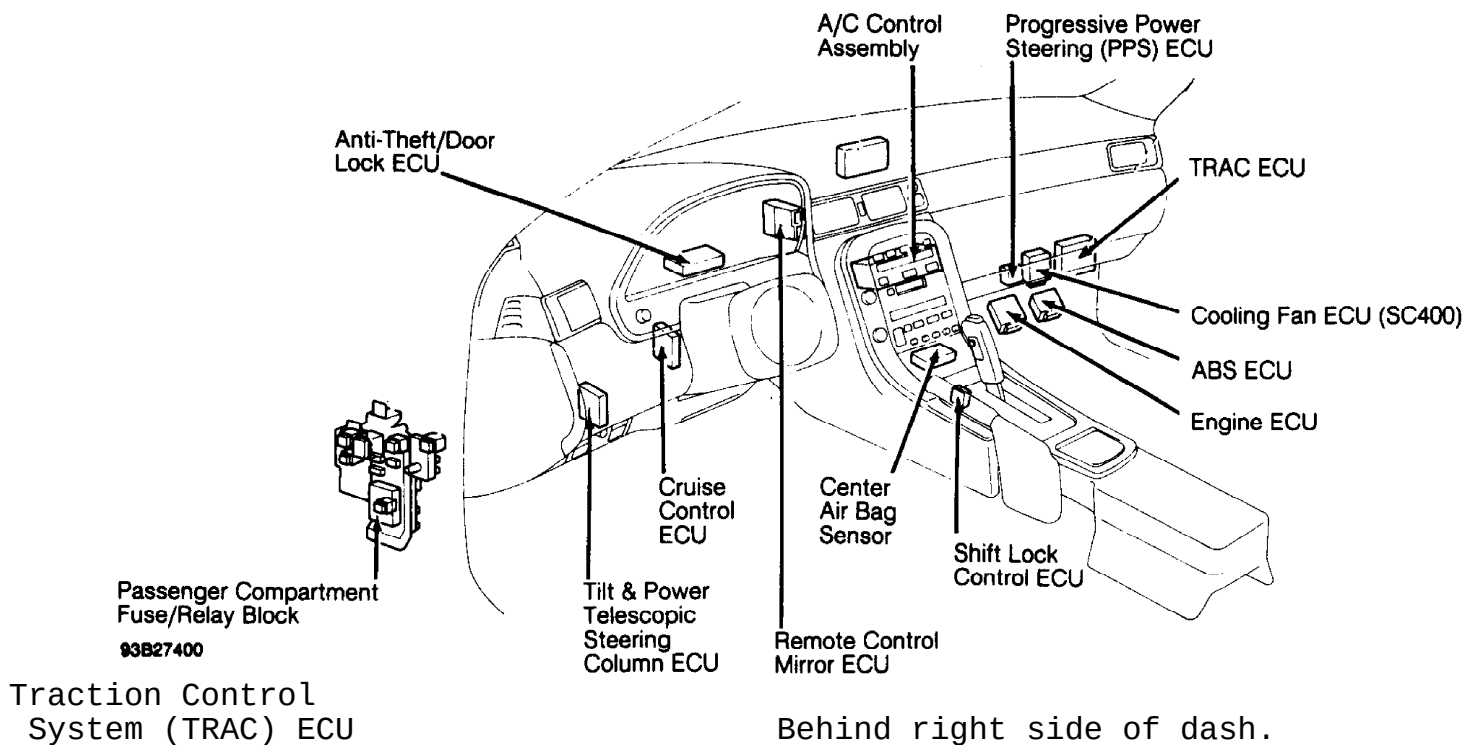
View of Dash From Passenger Side Under center console, left of shifter.



Tilt & Power Telescopic Steering Column ECU

Behind left side of dash.

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ELEC1

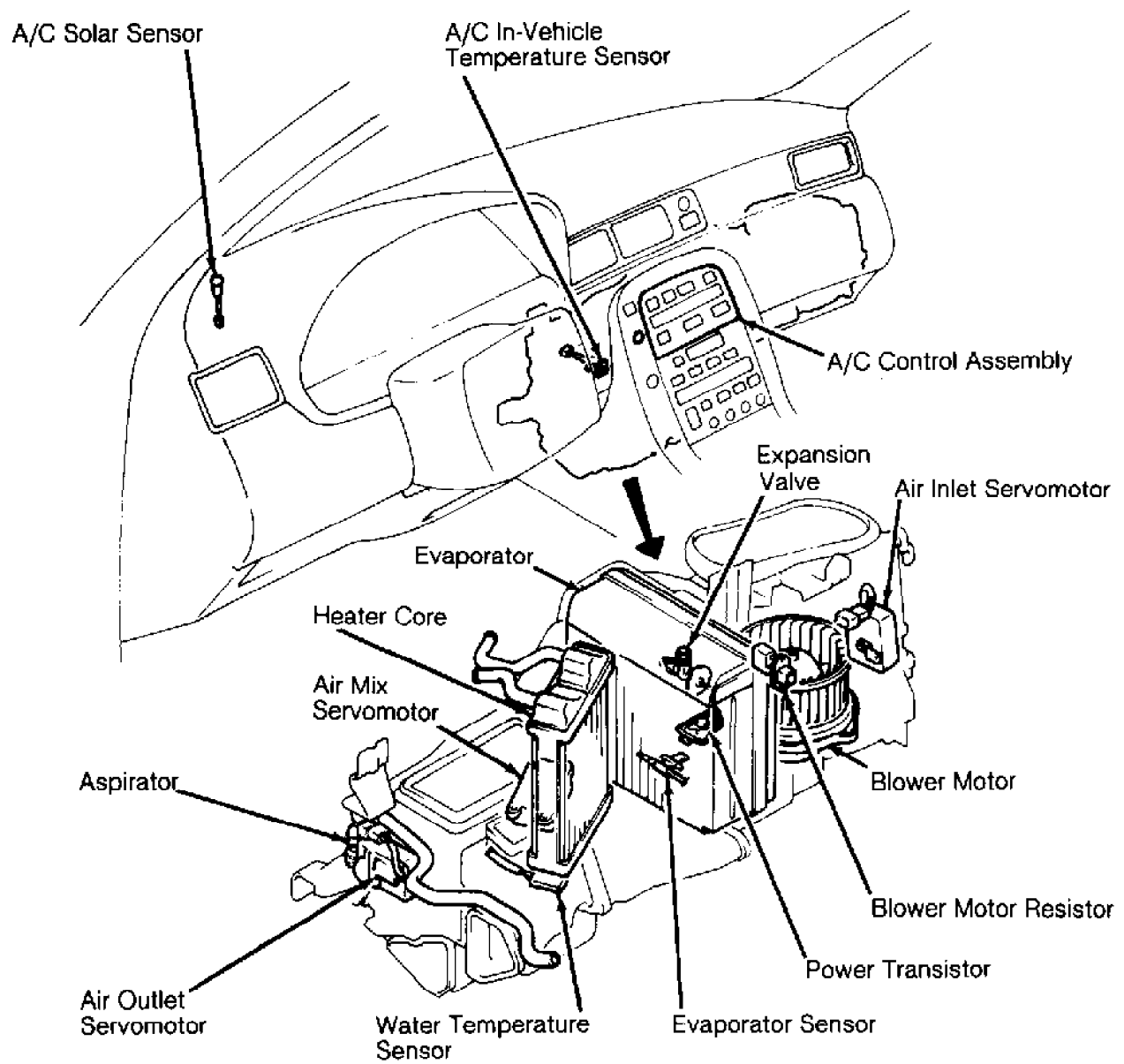
Wireless Door Lock ECU

Behind right rear quarter panel, below window.

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MOTORS

Component	Component Location
A/C-Heater System	

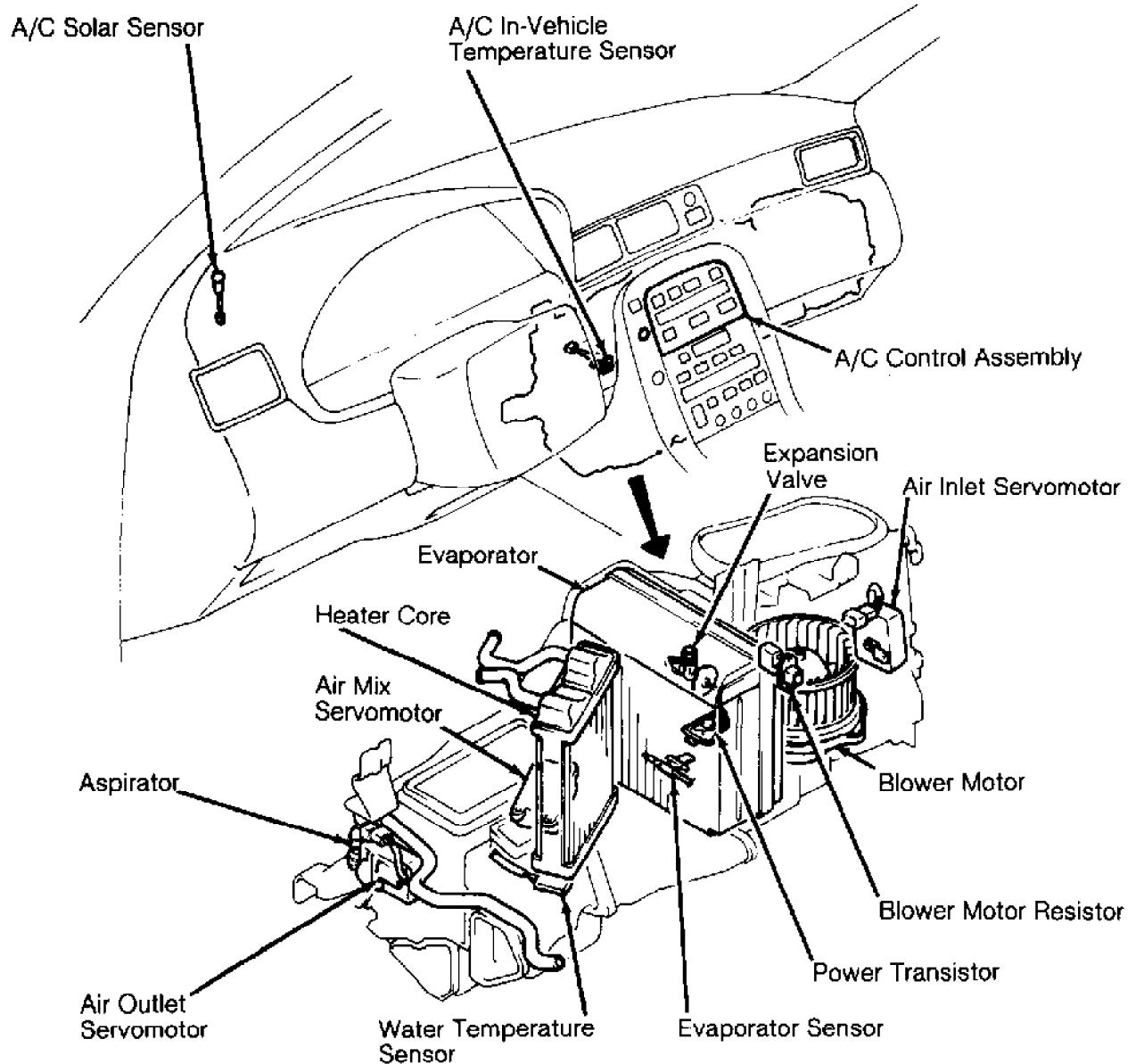


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Air Inlet Servomotor

Under right side of dash, on
blower motor housing.

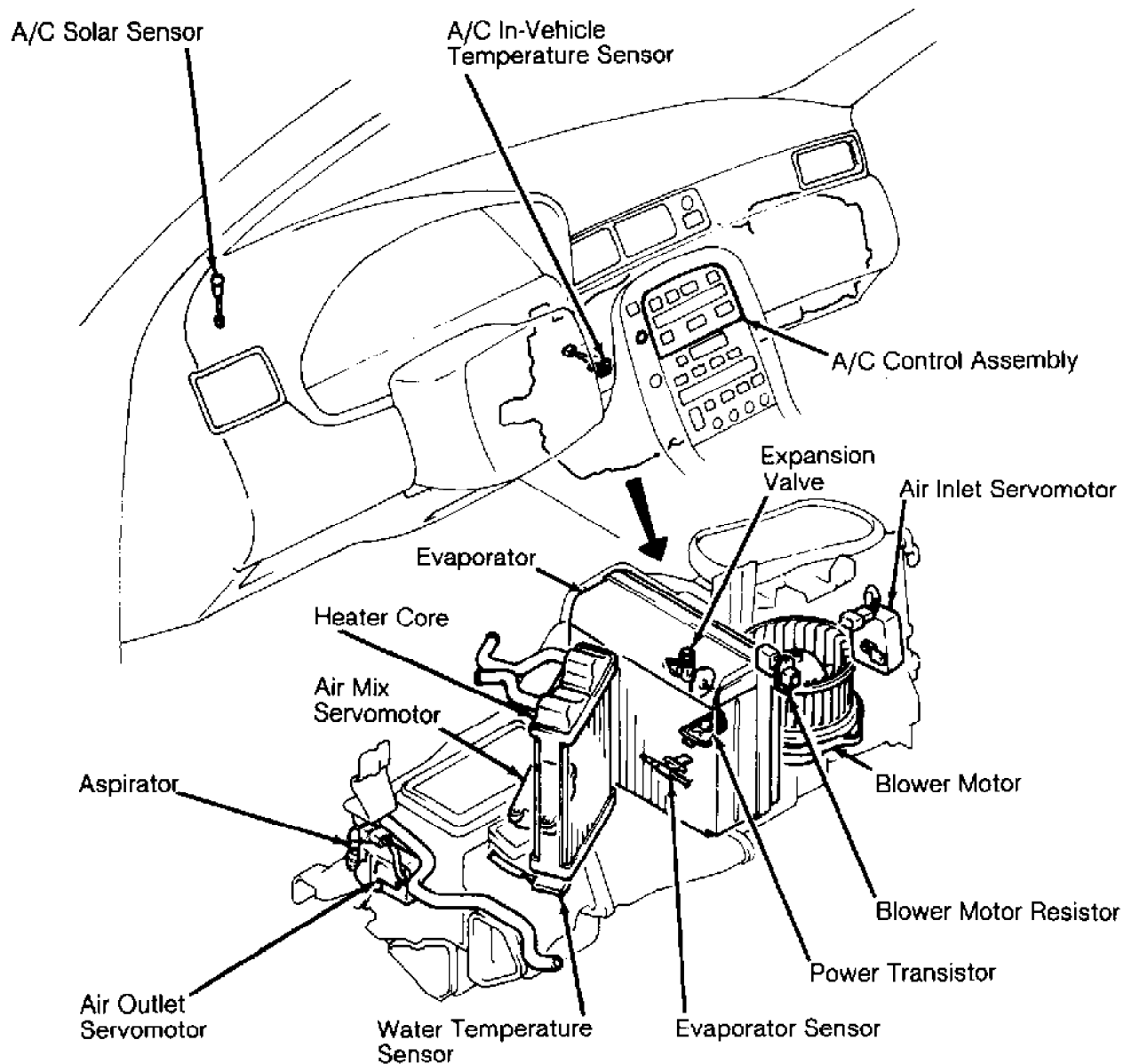
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Air Mix Servomotor

Behind right side of center console, behind heater case.

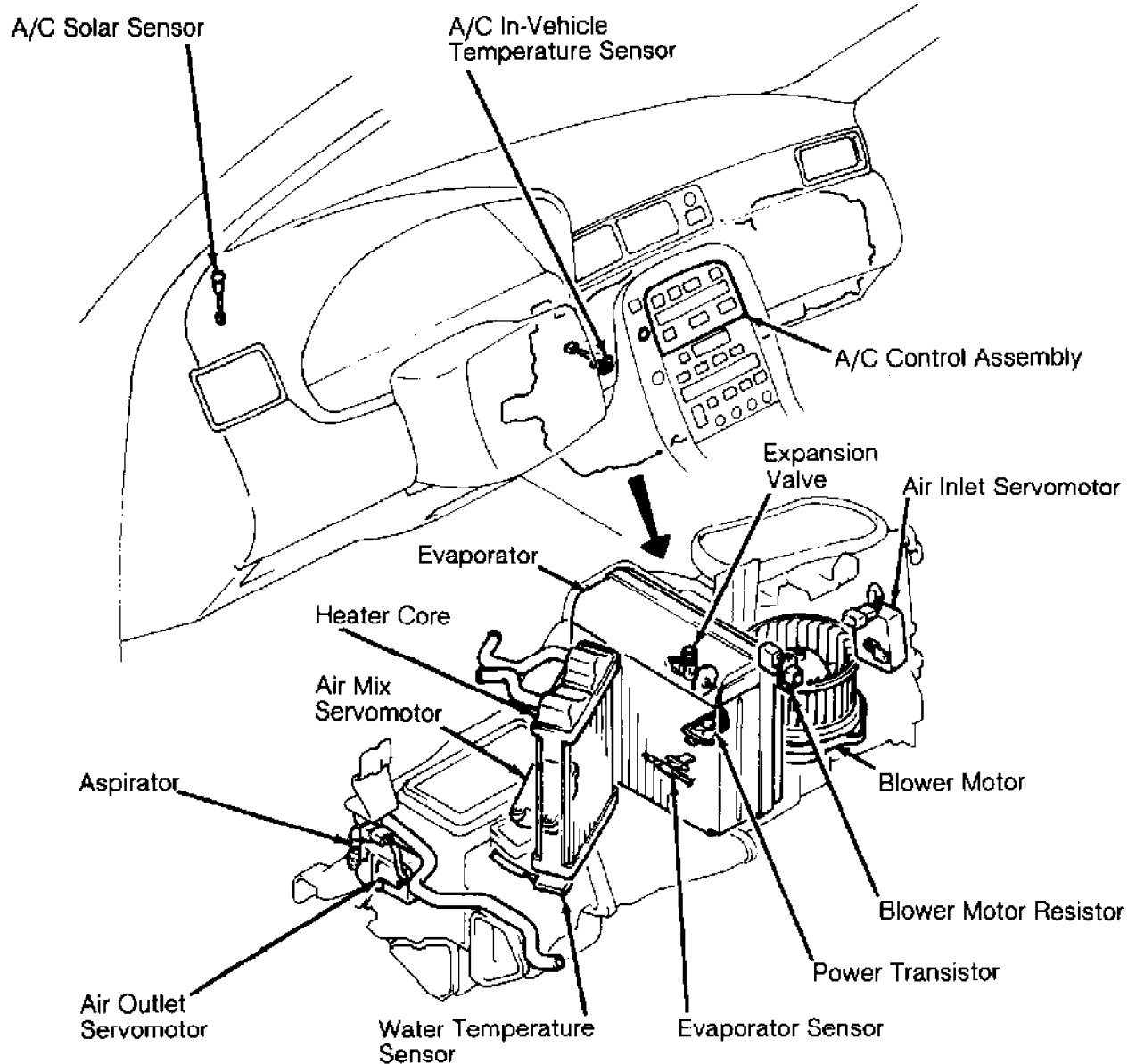


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Air Outlet Servomotor

Behind right side of center console, near aspirator.

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Blower Motor

Behind right side of dash.

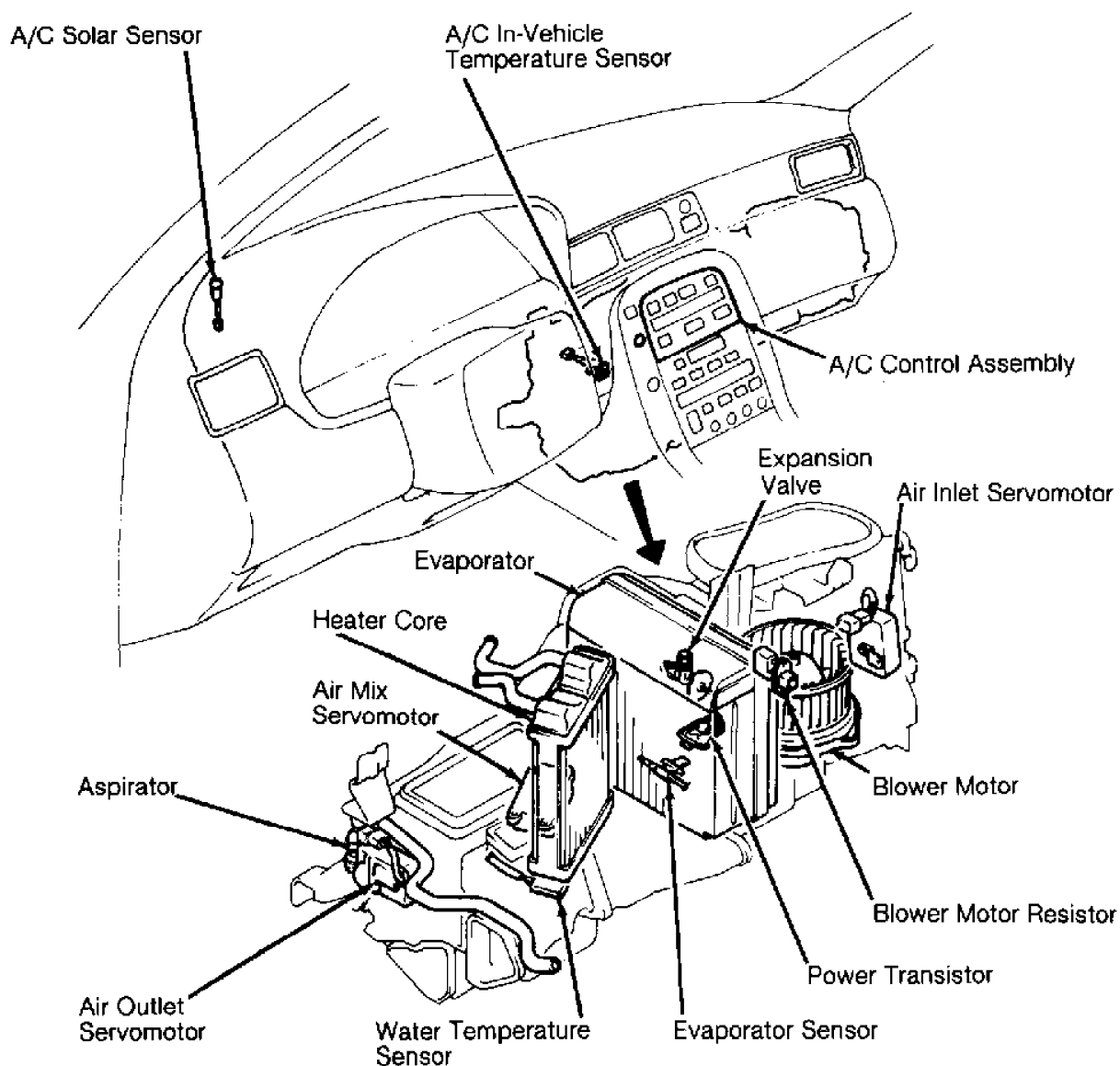
ELECTRICAL COMPONENT LOCATOR Article Text (p. 17) 1992 Lexus SC400 Dr Washer Powertrain 2l
 1992 Lexus SC400 Dr Washer Powertrain 2l
 reservoir.

Windshield Wiper Motor

In left side of firewall.

SENDING UNITS & SENSORS

Component	Component Location
ABS Sensors	On bracket, on all 4 wheel hubs.
A/C System	
Ambient Temperature Sensor	Behind right front grille.

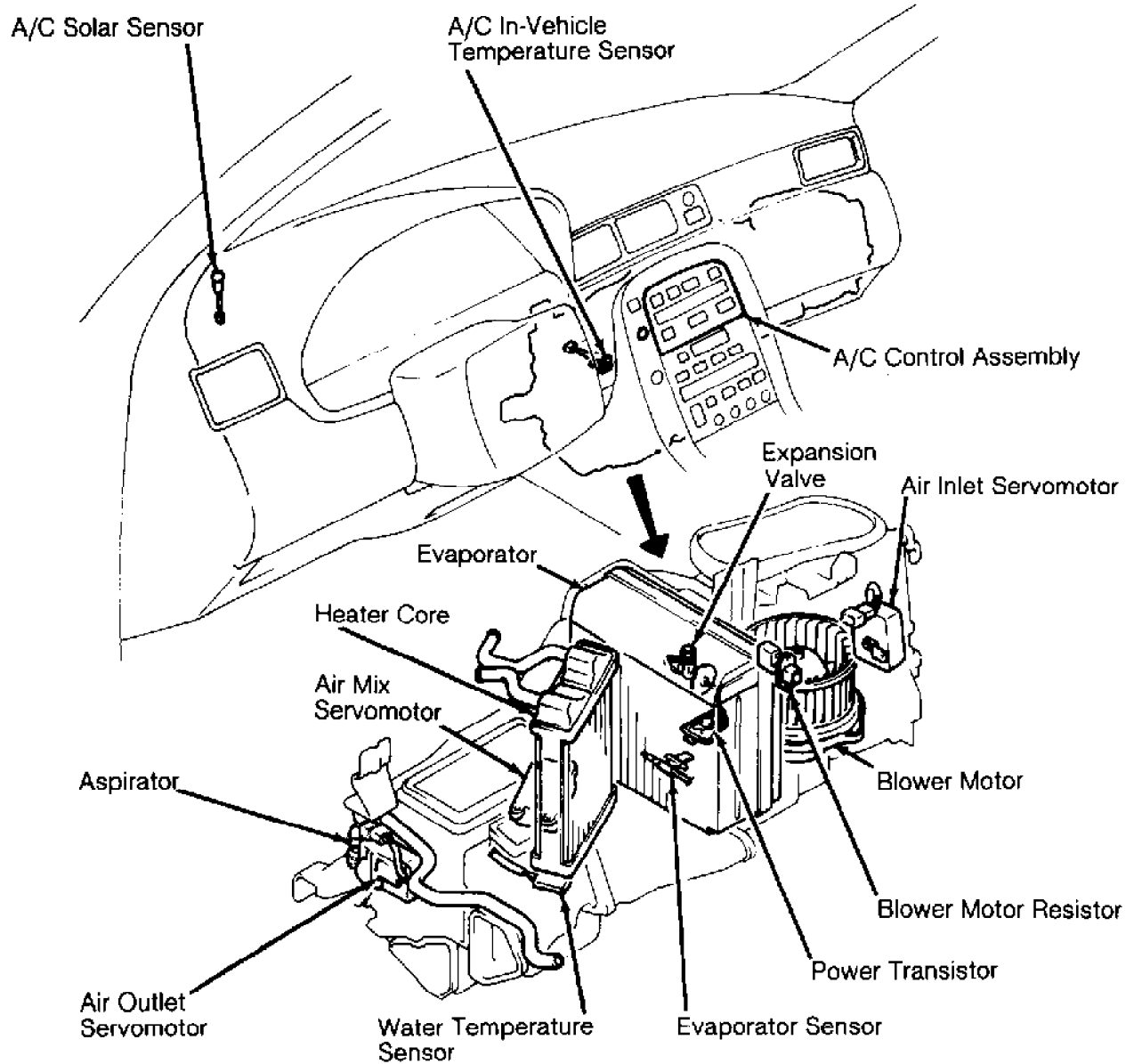


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In-Vehicle Temp. Sensor

On lower dash panel, right of steering column.

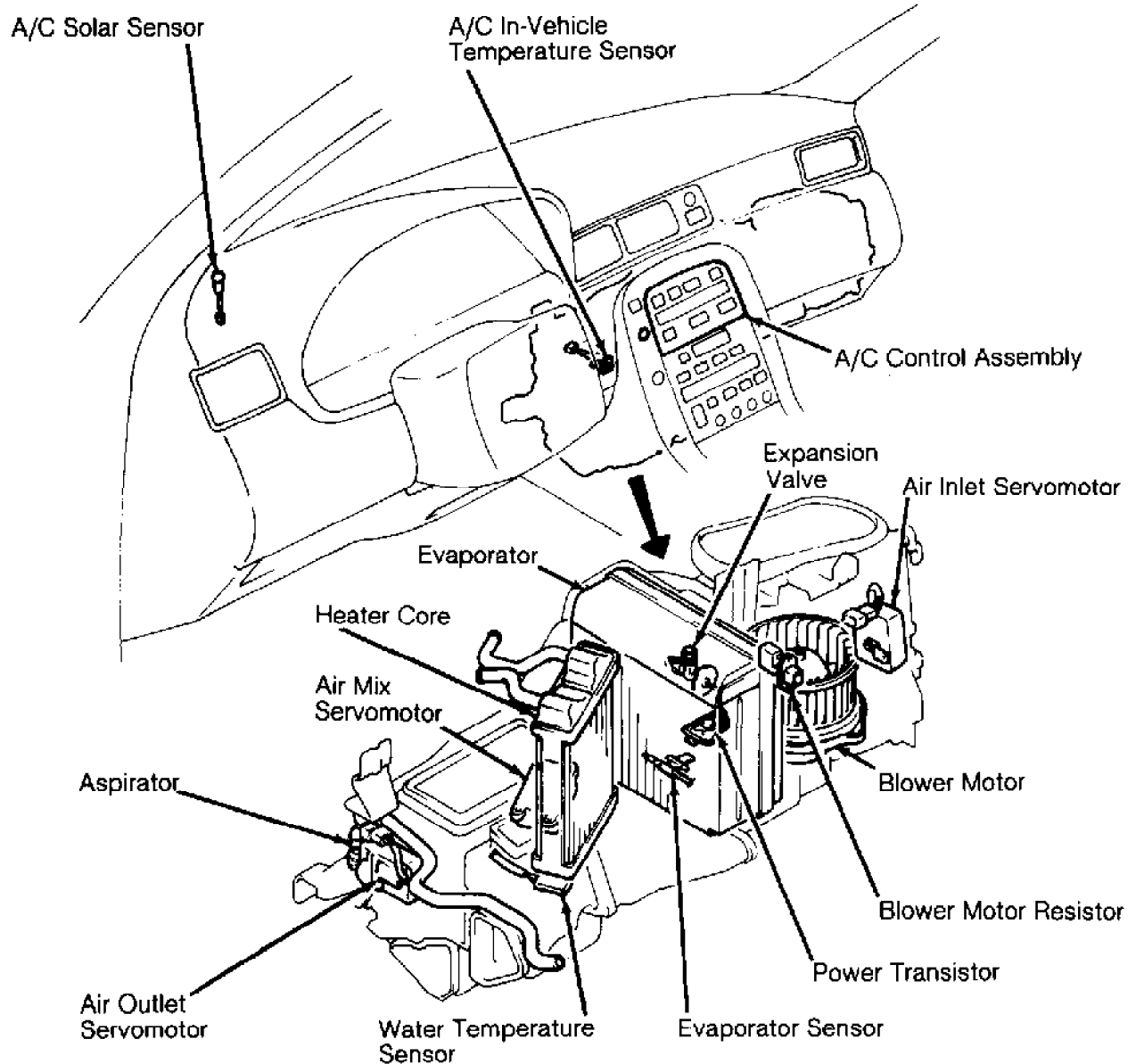
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Evaporator Sensor

In evaporator case.

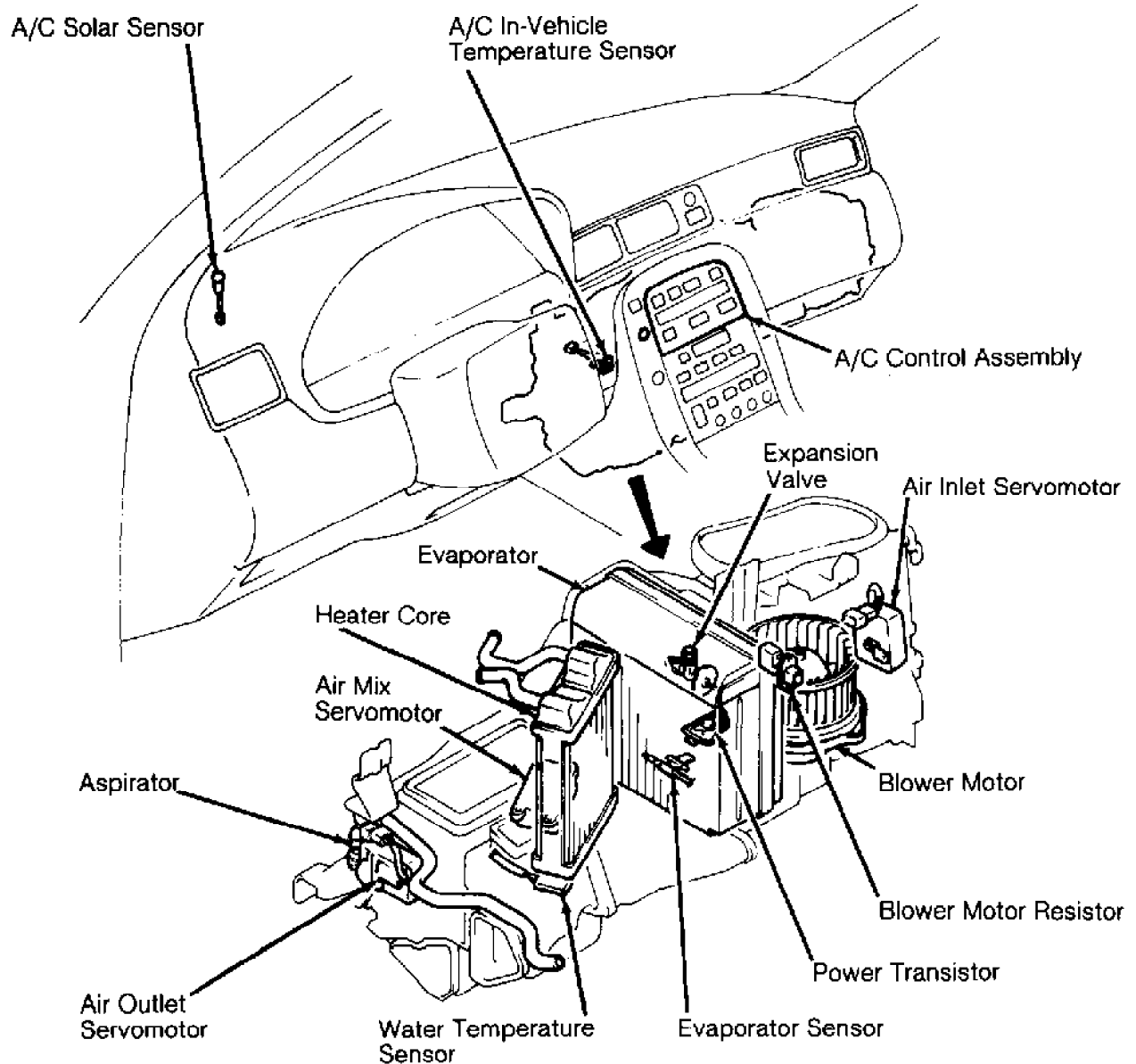


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Solar Sensor

On top left of dash.

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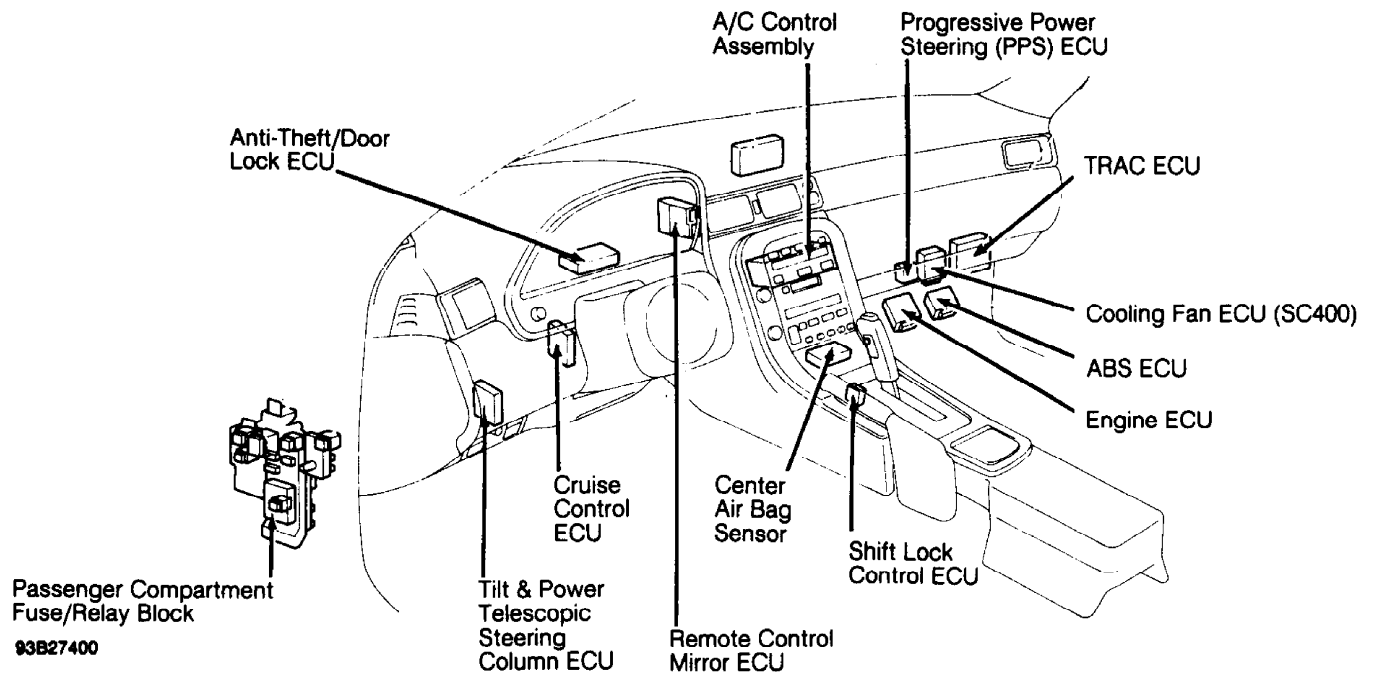


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Water Temperature Sensor

Mounted on heater core.

ELECTRICAL COMPONENT LOCATOR Article Text (p. 21) 1992 Lexus SC 400 For Lextreme Powertrain 21
Air Bag Sensors

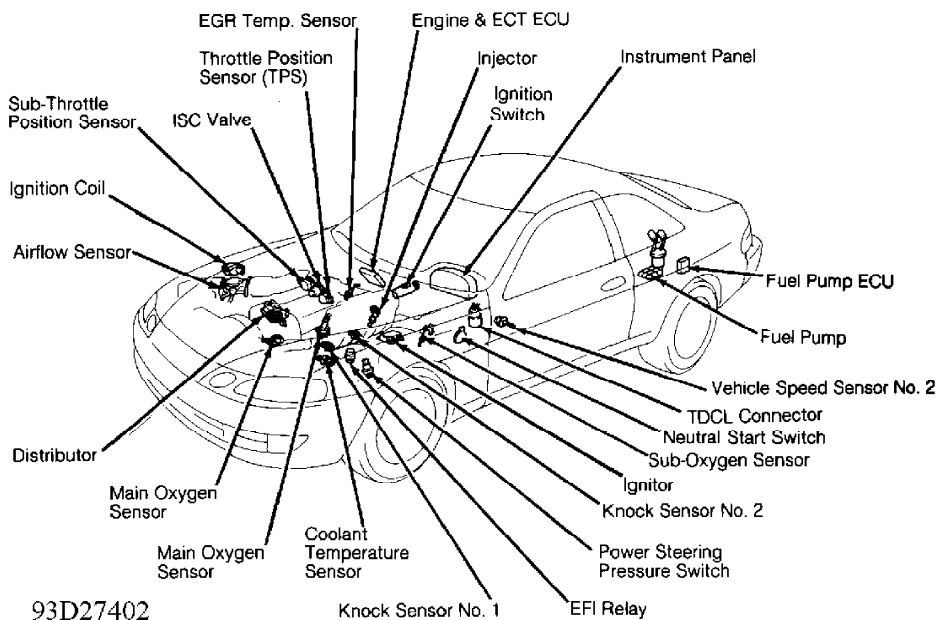


Center

Under front of center console.

Front

On left and right front of inner fender, above wheelwell.

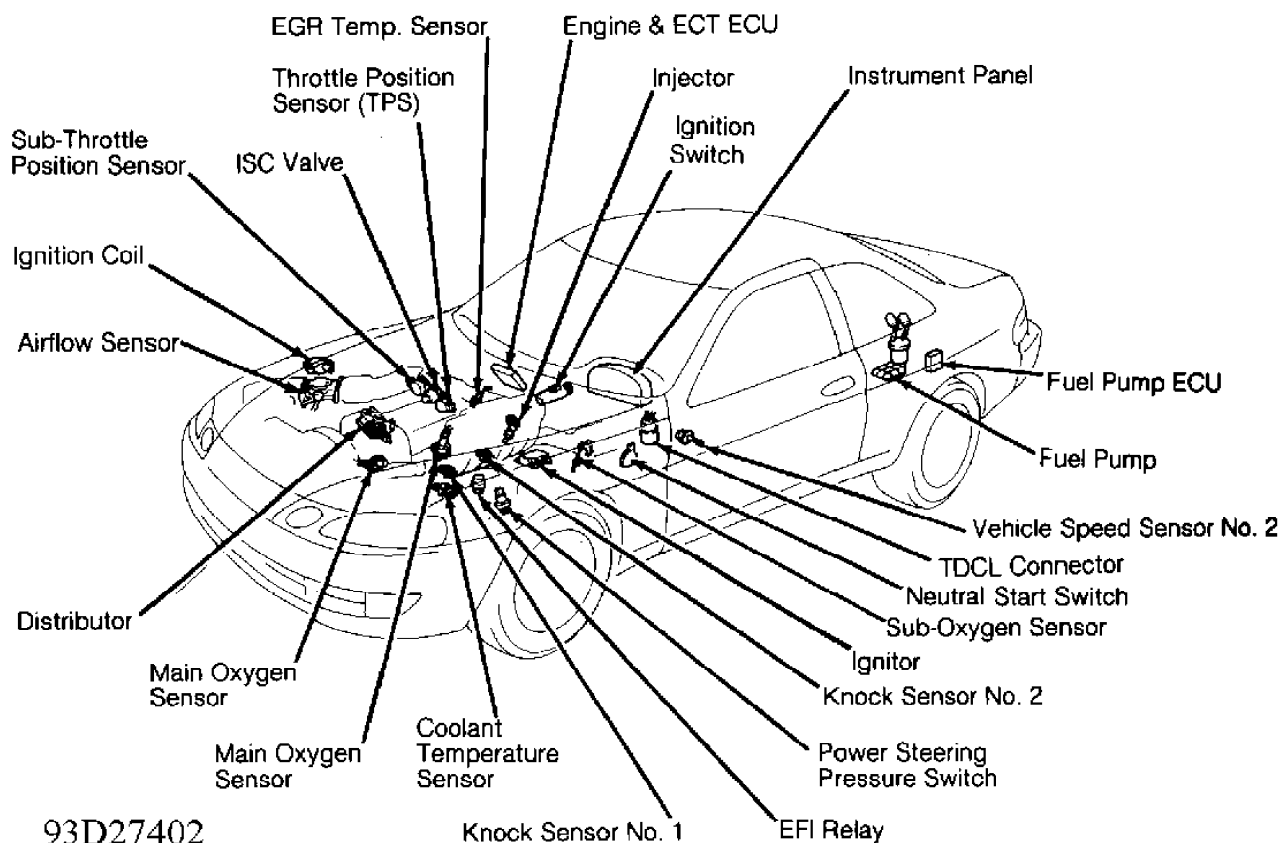


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Airflow Sensor

On air cleaner housing.

Coolant Temperature Sensor

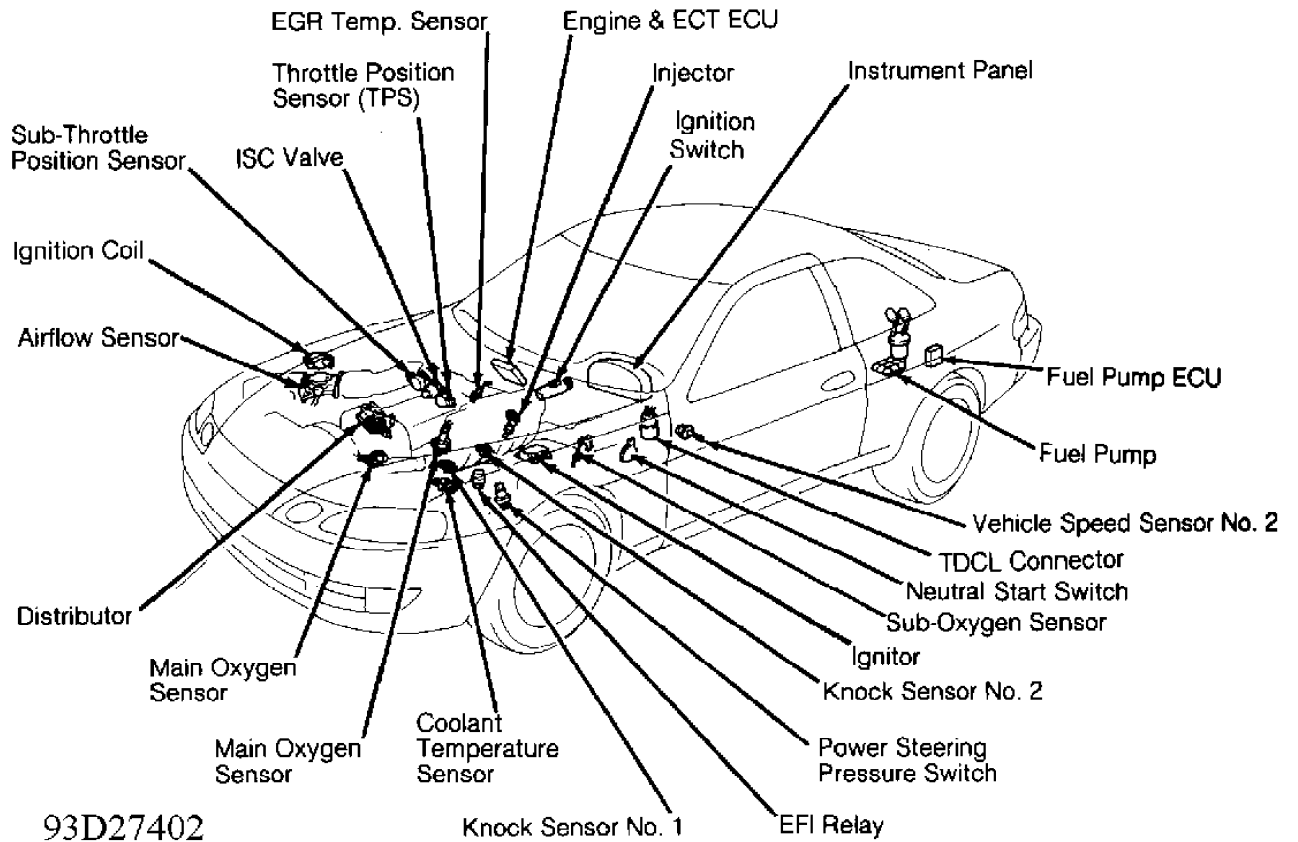


SC300

On left front of engine, near coolant by-pass outlet.

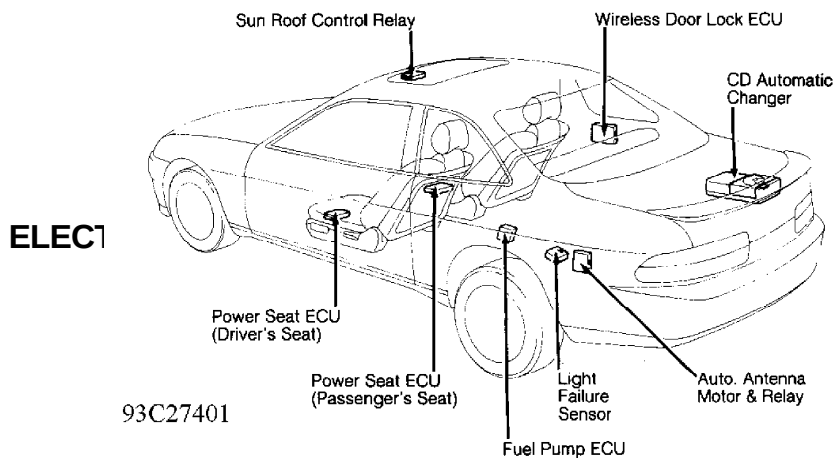
SC400

On top right of cylinder head, near ignition coil.



Knock Sensors (2)

On top front of engine.

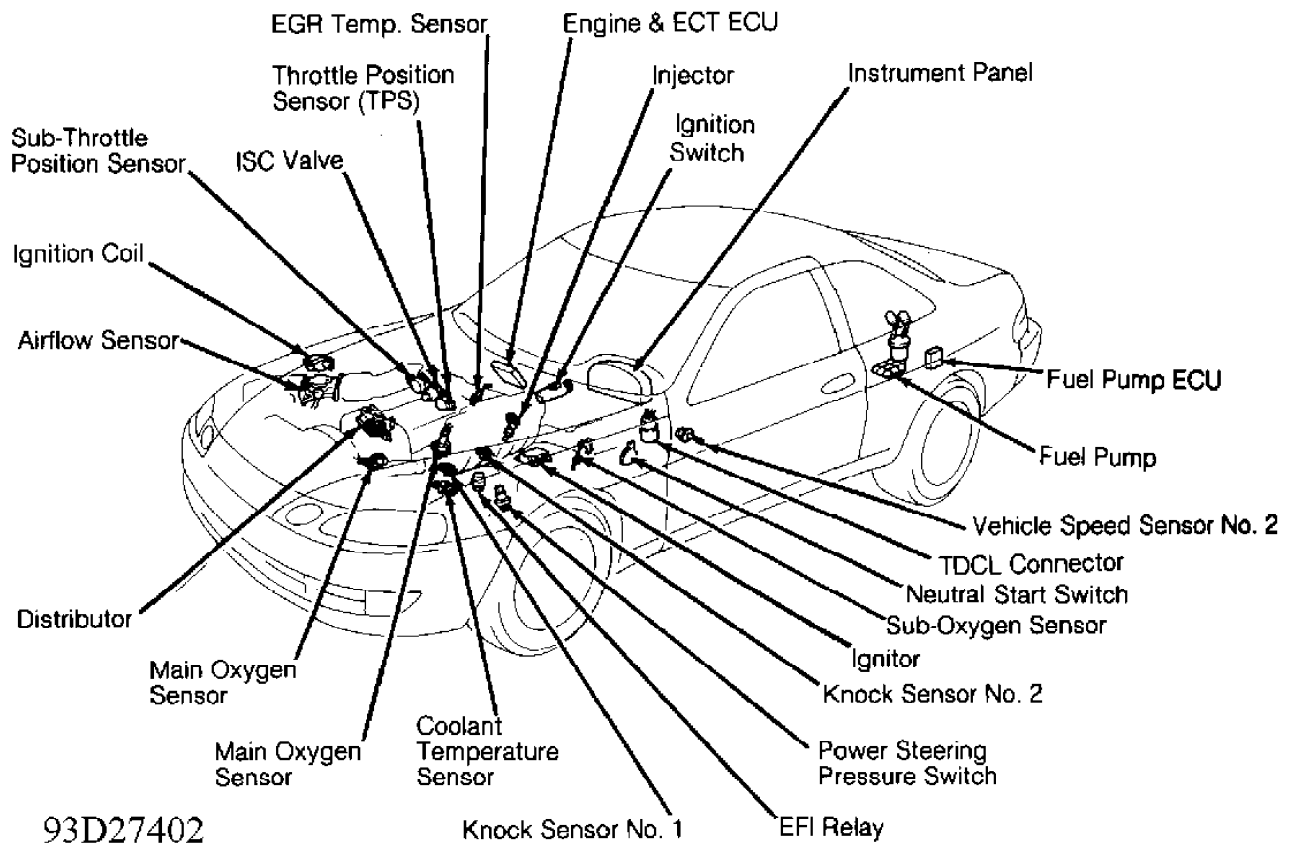


Light Failure Sensor

On left side of luggage compartment.

Progressive Power Steering Sensor

In power steering pump assembly.

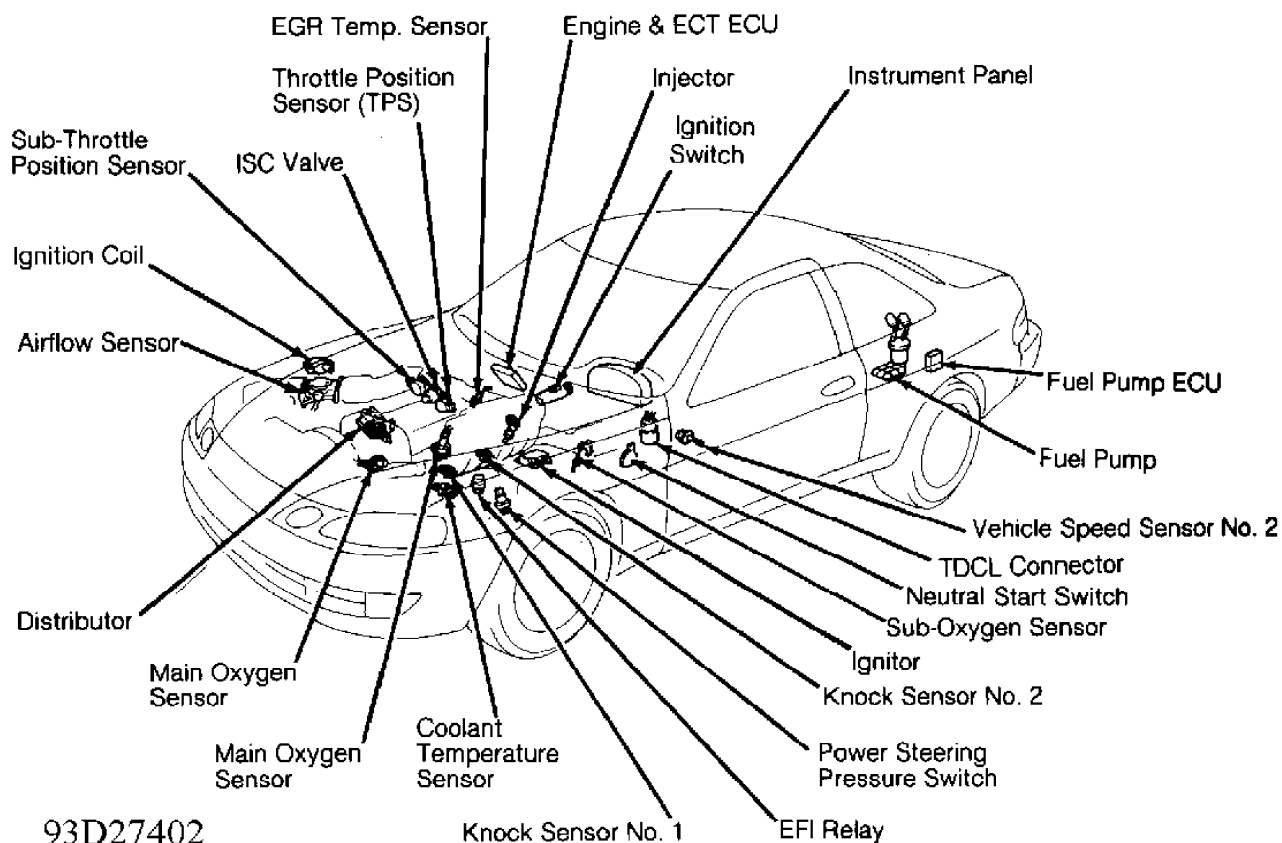


Throttle Position Sensor (TPS)

On throttle body.

Vehicle Speed Sensor (VSS)
No. 1

In speedometer assembly.

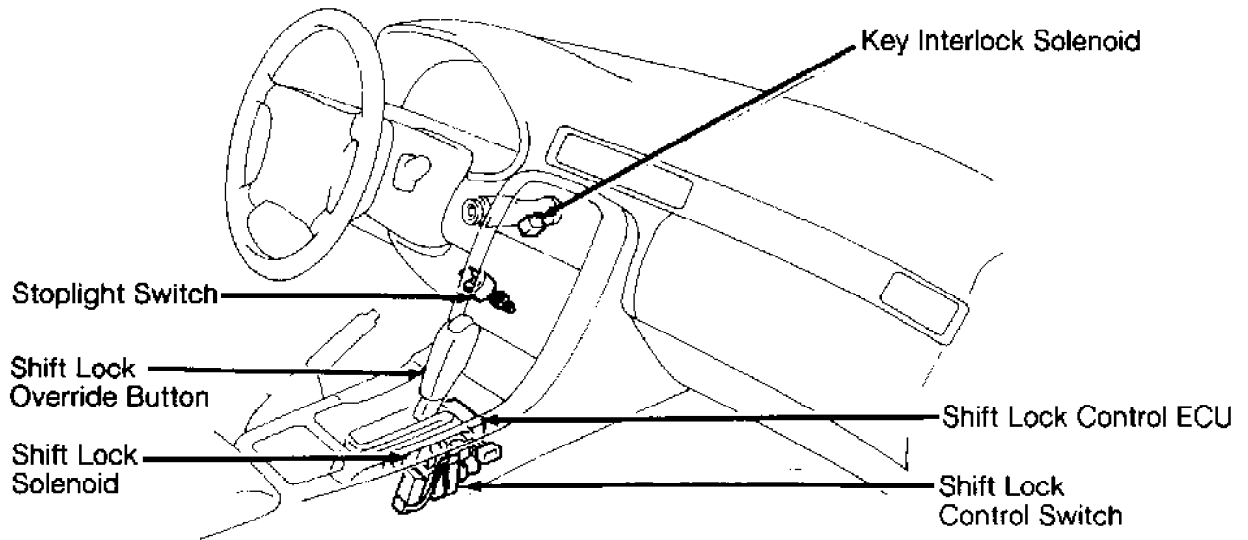


No. 2

On transmission output shaft.

SOLENOIDS & SOLENOID VALVES

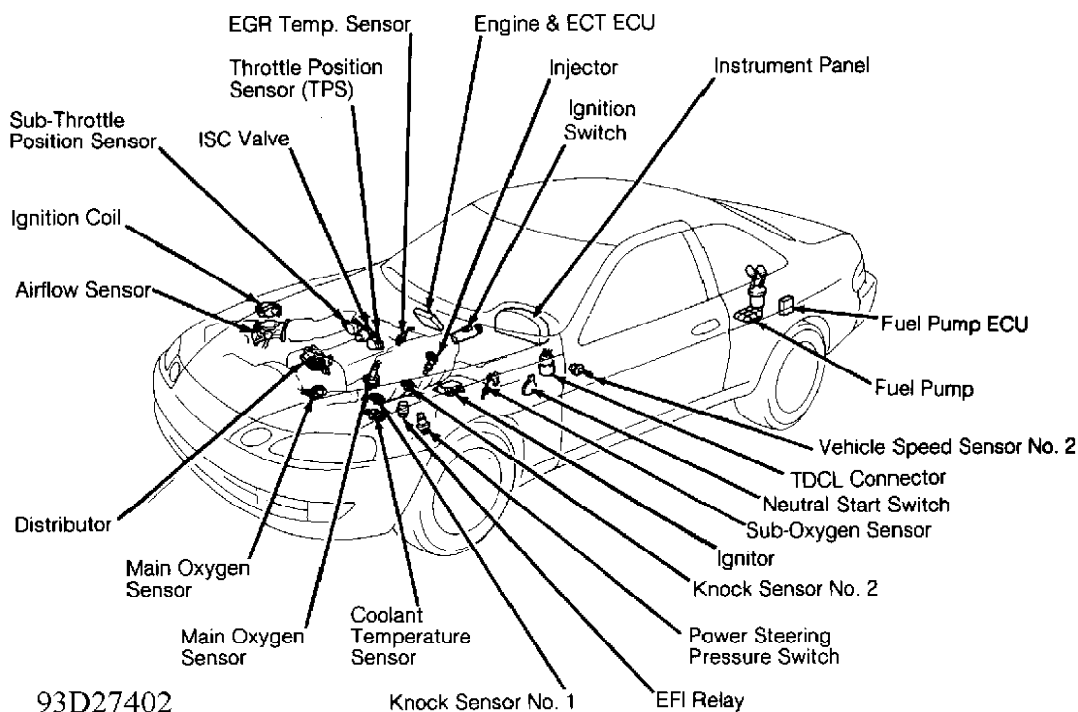
Component	Component Location
ELECTRICAL COMPONENT LOCATOR Article Text (p. 27) 1992 Lexus SC 400 For Extreme Powertrain 20	
Acoustic Control Induction System (ACIS) Vacuum Sol. Valve SC300 Only	On left side of engine, below intake runner.
Fuel Lid Opener Solenoid	On right side of luggage compartment.
Fuel Pressure Control Sol. Valve	On top left front of cylinder head.



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Key Interlock Solenoid

In ignition switch assembly.



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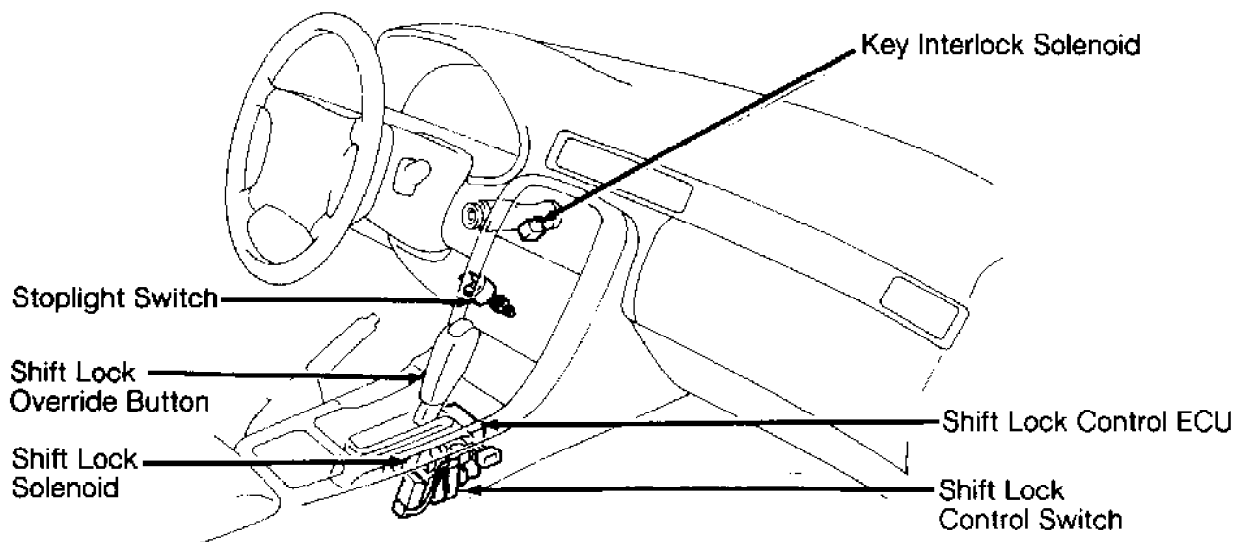
Idle Speed Control (ISC) Valve

On throttle body.

ELECTRICAL COMPONENT LOCATOR Article Text (p. 28) 1992 Lexus SC 400 For Extreme Powertrain 21
Progressive Power Steering Sol. In steering gear assembly.

Seat Belt Electric Tension
Reducer Solenoid

On each front seat belt
retractor assembly.



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Shift Lock Solenoid

Under center console, near
shift lever.

SWITCHES

Component

Component Location

A/C Pressure Switch

On refrigerant line, firewall.

Brake Fluid Level Switch

In brake fluid reservoir.

Cold Start Injector Time Sw. (SC400)

Near thermostat housing.

Coolant Level Warning Switch

On coolant reservoir, on left
side of radiator.

EGR Vacuum Solenoid Valve
SC300

On top left of intake
manifold.

SC400

On top left front of intake
manifold.

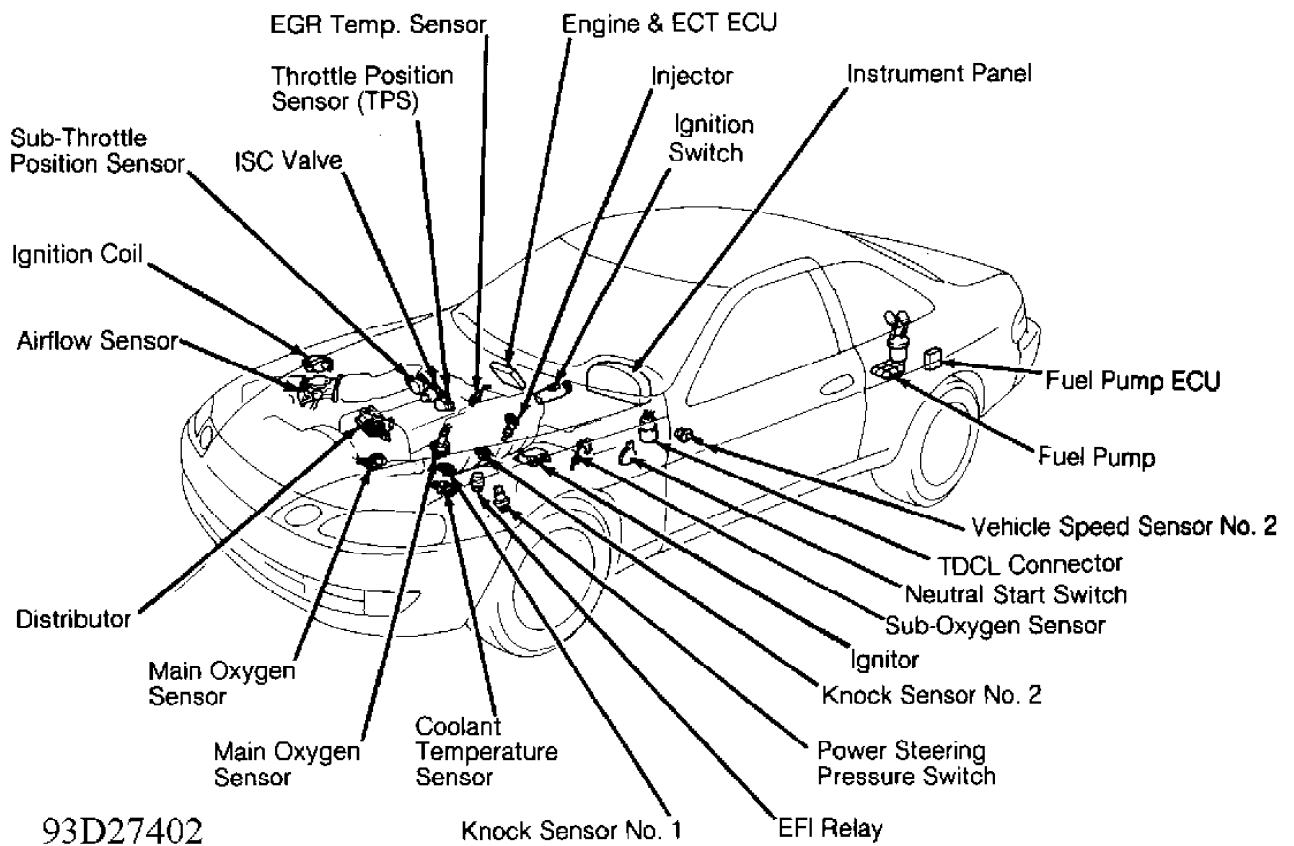
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Fuel Evaporation System (EVAP)
 Vacuum Solenoid Valve
 SC300

On left rear side of engine,
 below intake runner.

SC400

On top front of intake
 manifold.



Neutral/Start Switch

On top left of transmission.

Oil Level Warning Switch
 SC400

On right side of engine block.

SC300

On left side of engine block.

Oil Pressure Switch
 SC300

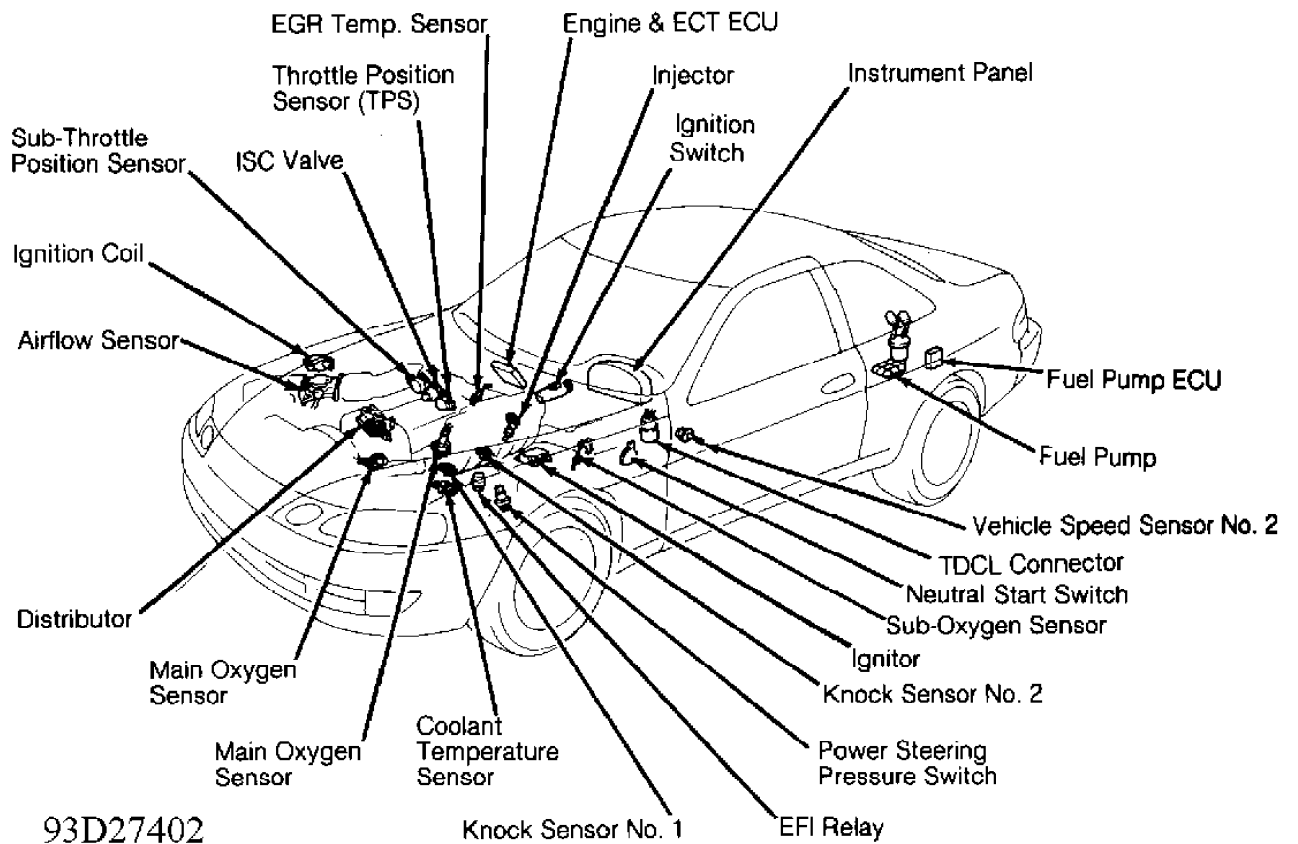
On left side of engine block.

SC400

On right side of engine block. **ELECTRICAL COMPONENT LOCA**

Parking Brake Switch

Bottom of parking brake lever.



Power Steering Pressure Switch

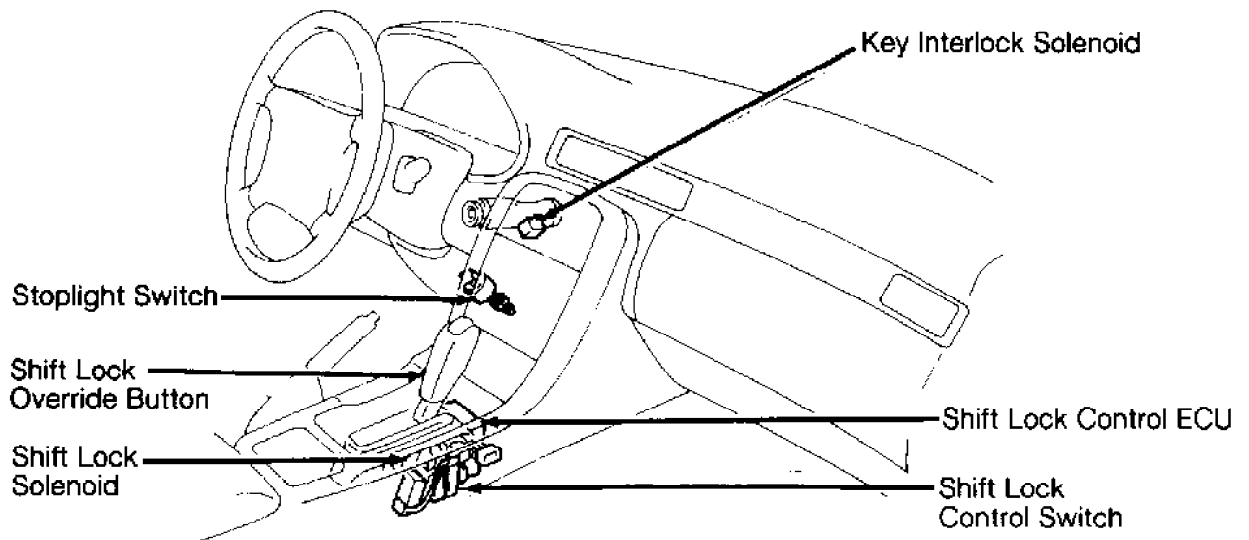
In power steering pump.

Seat Belt Electric Tension
Reducer Switch

On both front seat belt
buckle.

Seat Belt Warning Switch

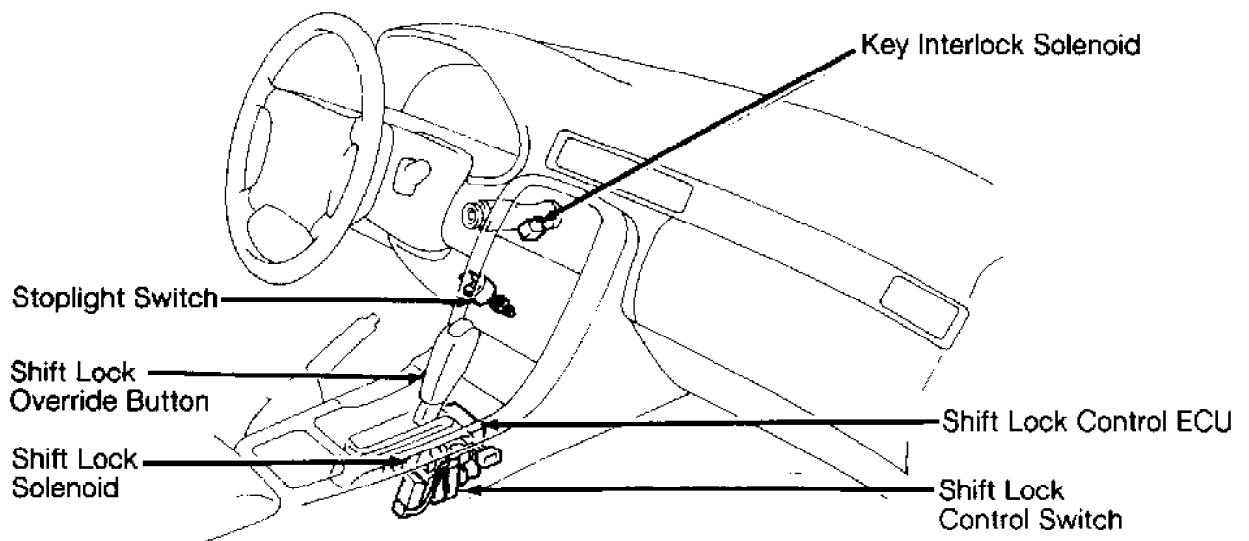
On driver's seat belt buckle.



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Shift Lock Control Switch

On bottom of shift lever.



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Stoplight Switch

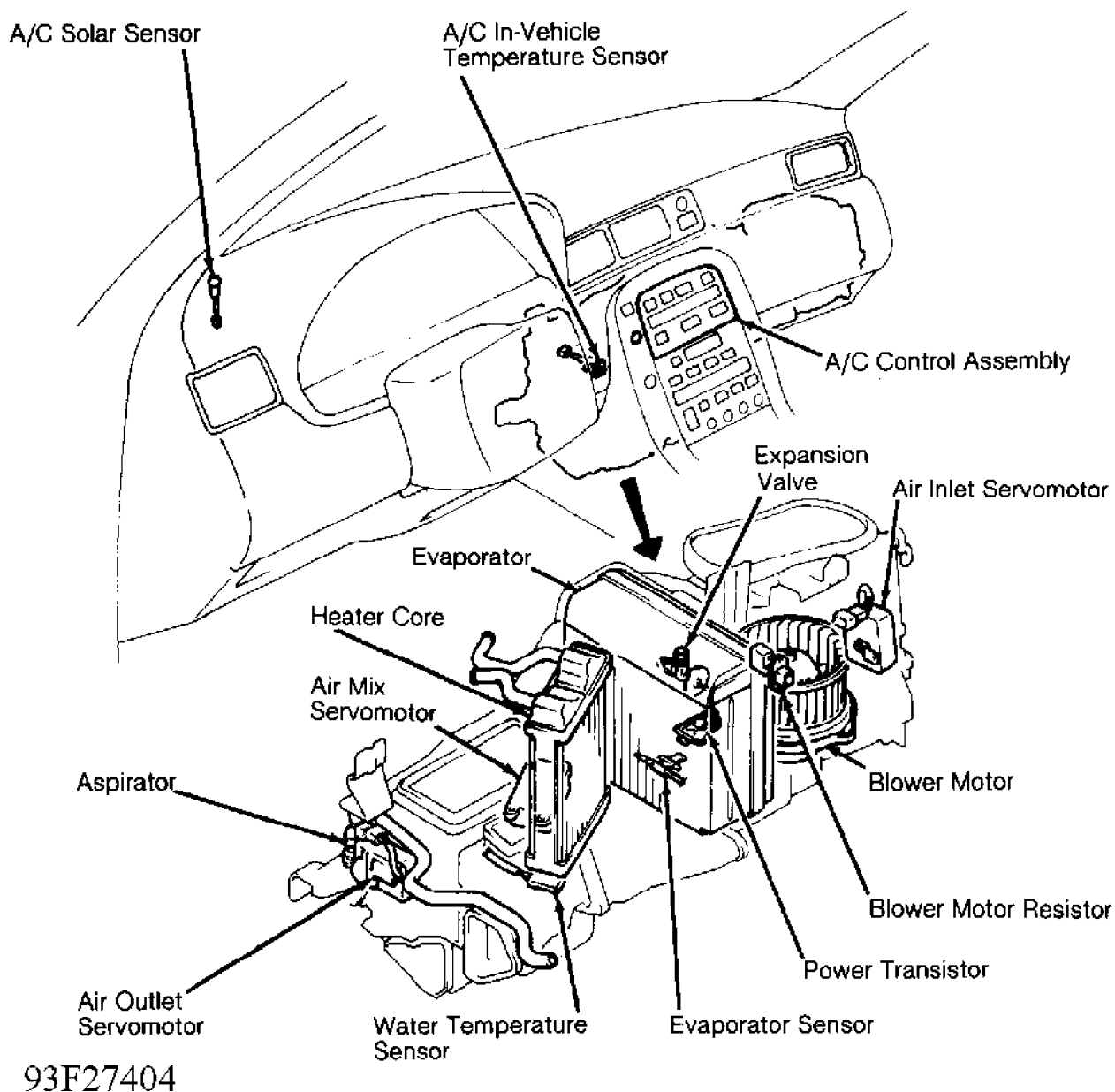
On bracket, above brake pedal.

Windshield Washer Level Switch

In windshield washer fluid reservoir.

MISCELLANEOUS

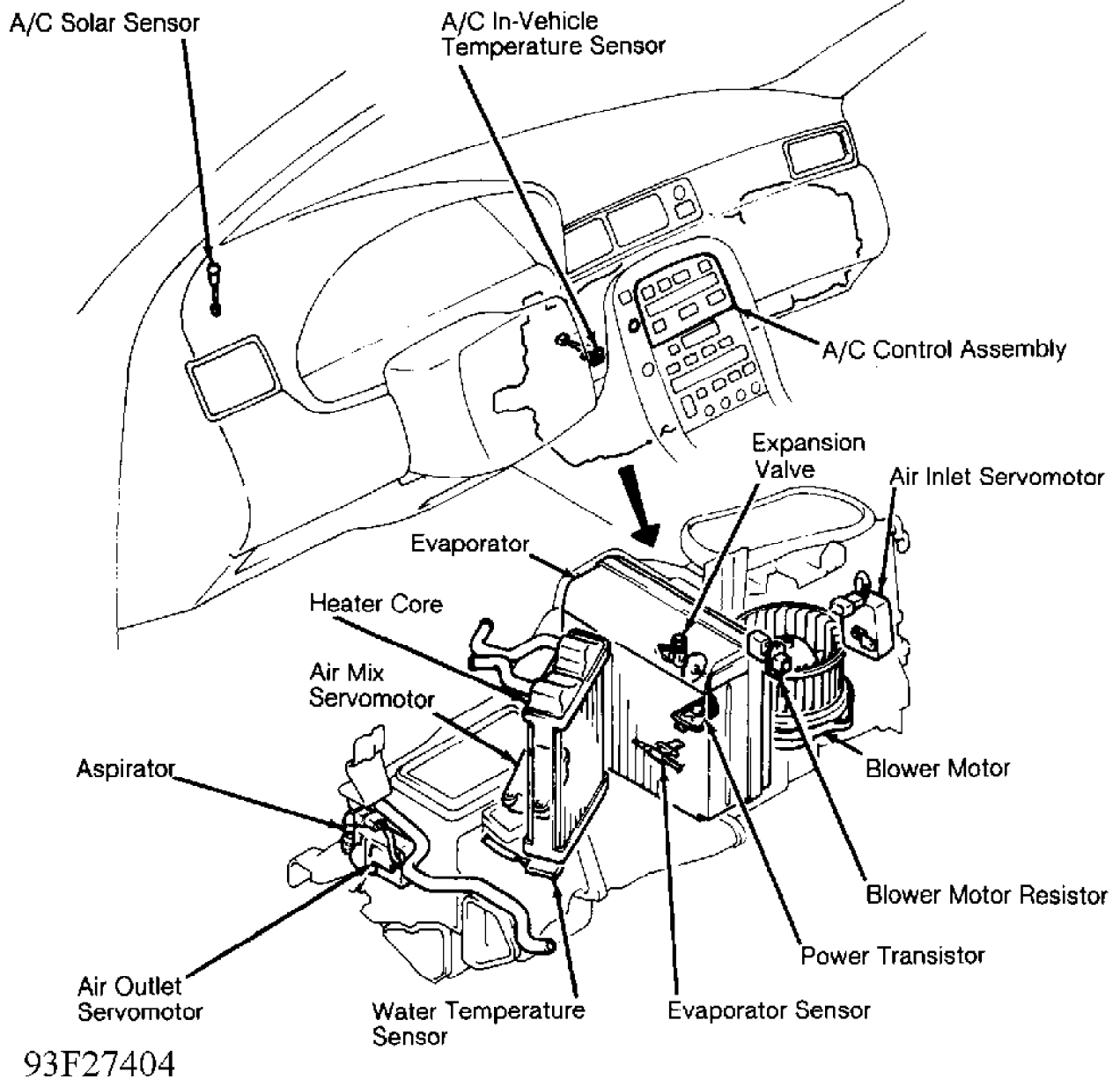
Component	Component Location
Audio Power Amplifier	On right side of trunk or under center of rear deck tray.



Blower Motor Resistor

Behind right side of dash, on
evaporator case.

tower.

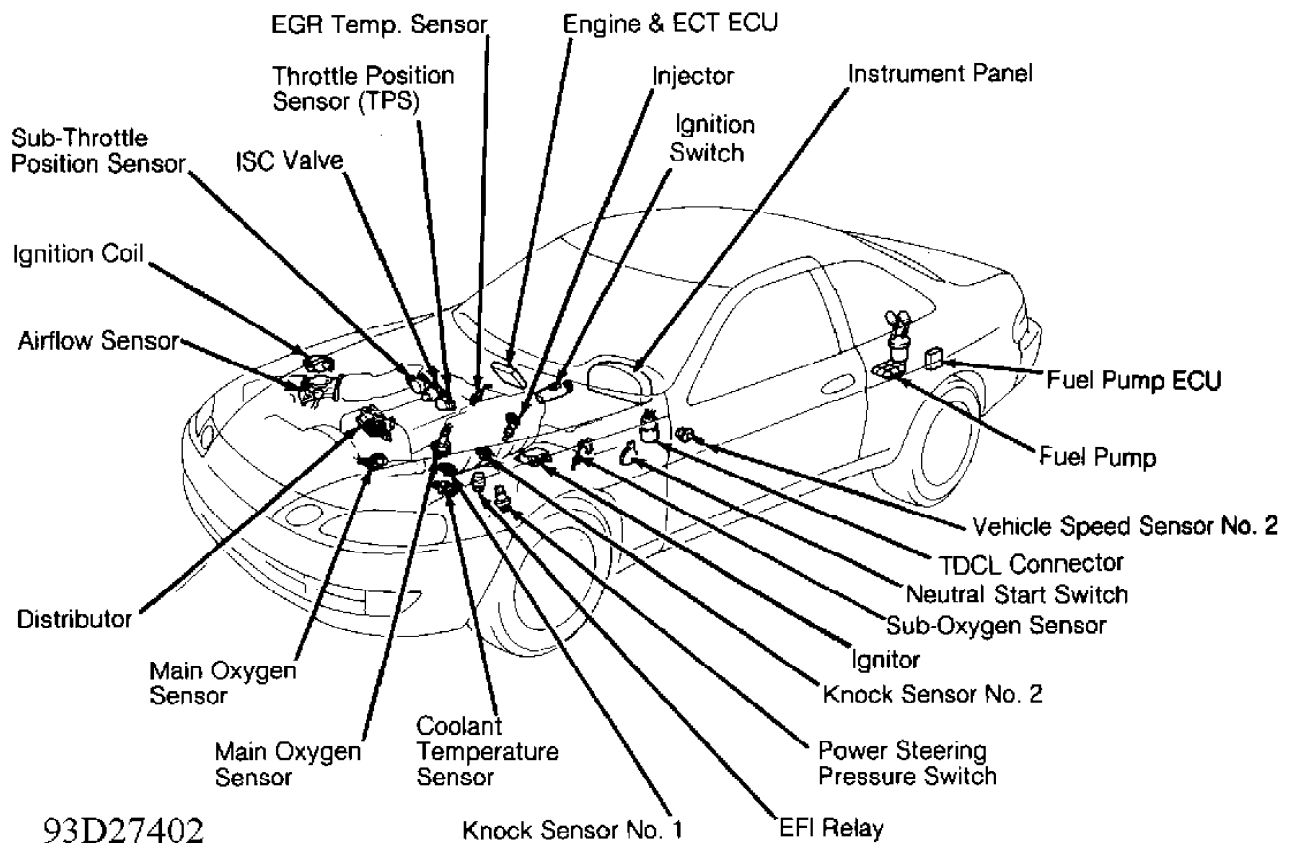


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Power Transistor (A/C)

Mounted on evaporator case.

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Total Diagnostic Communication
Link (TDCL) Connector

Under left side of dash.

END OF ARTICLE

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