

ELECTRICAL COMPONENT LOCATOR

1993 Toyota Celica

1993 ELECTRICAL COMPONENT LOCATION
Toyota Electrical Components

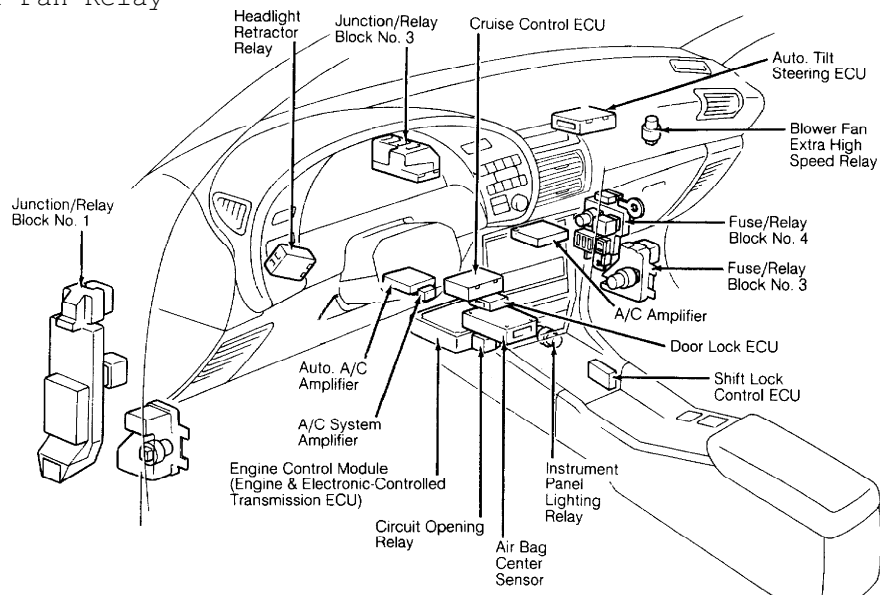
Toyota; Celica

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 Control Relay	Mounted to top right side of radiator.
A/C Condenser Fan Relays No. 2 & 3	On relay block No. 5, right front of engine compartment.
A/C Magnetic Clutch Relay	On relay block No. 5, right front of engine compartment.
Blower Fan Relay	

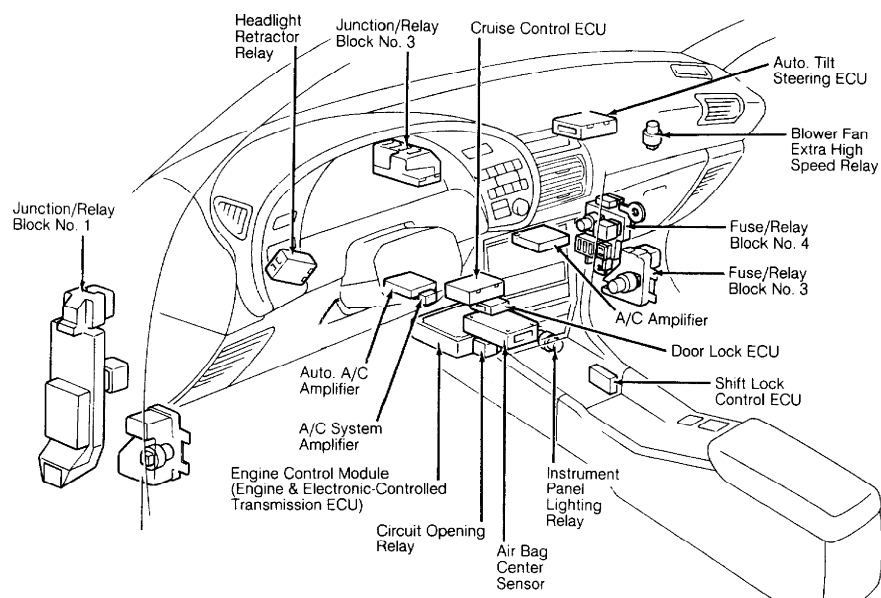


94A31468
Component Location

Behind right side of dash,
above glove box.

Bulb Check Relay

On rear of instrument cluster.



94A31468
Circuit Opening Relay

Under center of dash,
forward of engine control
module.

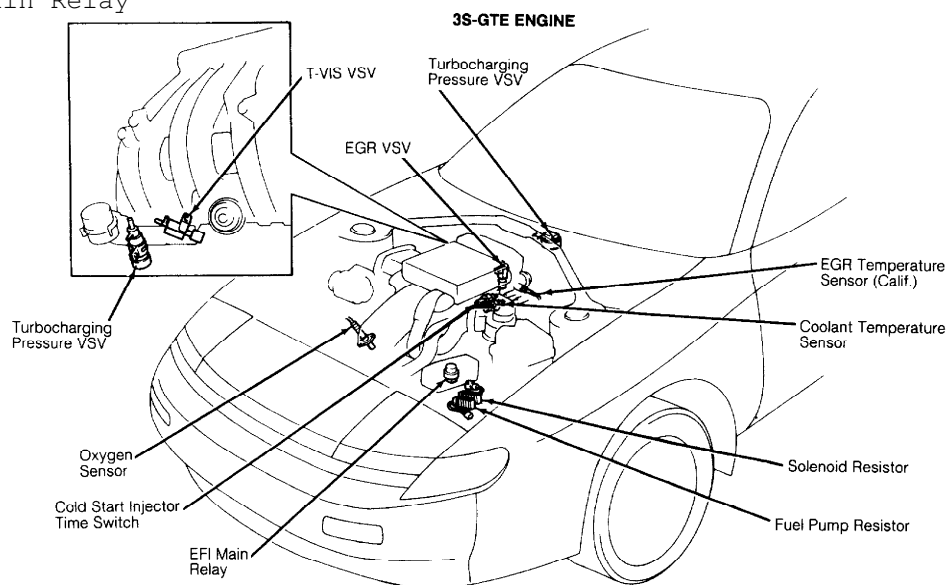
Defogger Relay

On junction/relay block No. 1,
behind left kick panel.

Door Lock Relay

Mounted under center console,
in front of gear selector.

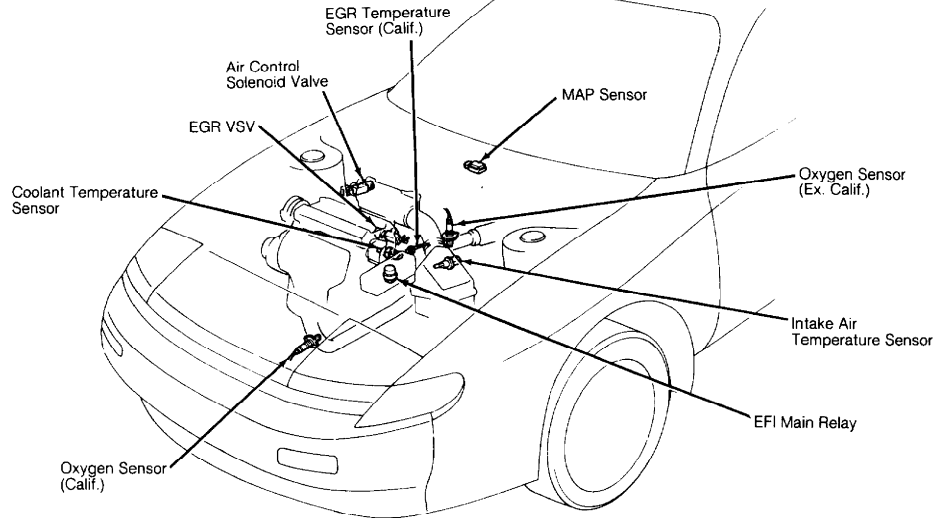
EFI Main Relay



94F31470
(3S-GTE)

On junction/relay block
No. 2, near battery.

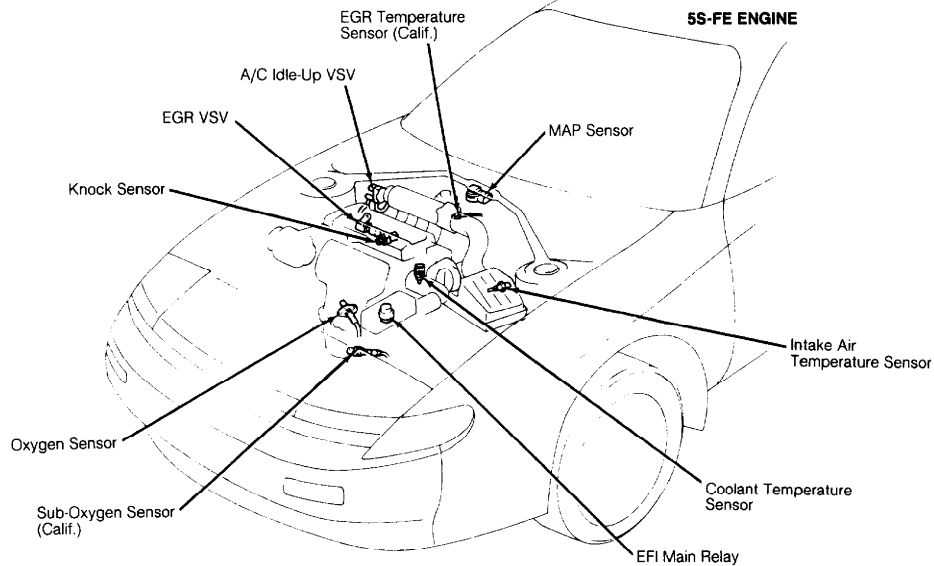
4A-FE ENGINE



(4S-FE) 94F31471

On junction/relay block No. 2, near battery.

5S-FE ENGINE



(5S-FE) 94G31472

On junction/relay block No. 2, near battery.

Engine Main Relay

On junction/relay block No. 2, near battery.

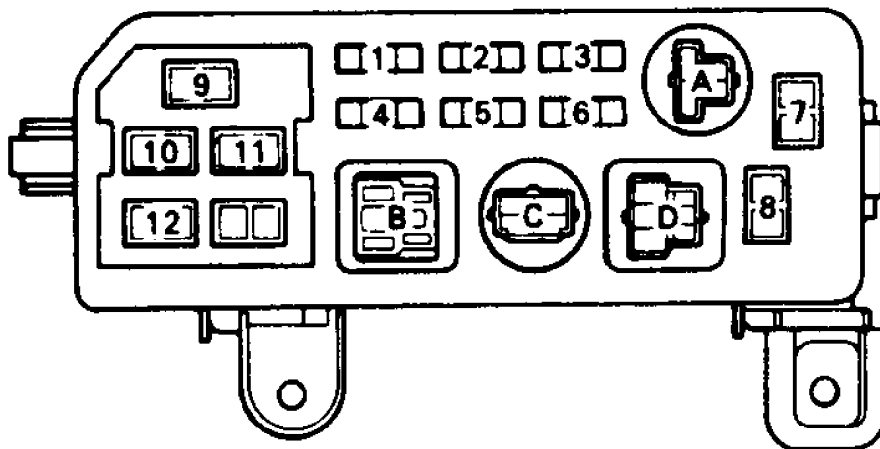
Foglight Relay

On fuse/relay block No. 3, right side kick panel.

Fuel Pump Relay (All-Track/4WD)

On relay block No. 5, right front of engine compartment.

4A-FE & 5S-FE SHOWN; 3S-GTE SIMILAR



JUNCTION RELAY BLOCK NO. 2

FUSES & FUSIBLE LINKS (FL)

1. Headlight (LH)
2. Headlight Retractor
3. Headlight (RH)
4. EFI
5. Dome
6. Hazard-Horn
7. Radiator Cooling Fan (FL)
8. Condenser Cooling Fan (FL)
9. ALT (FL)
10. AM2 (FL)
11. AM1 (FL)
12. ABS (FL)

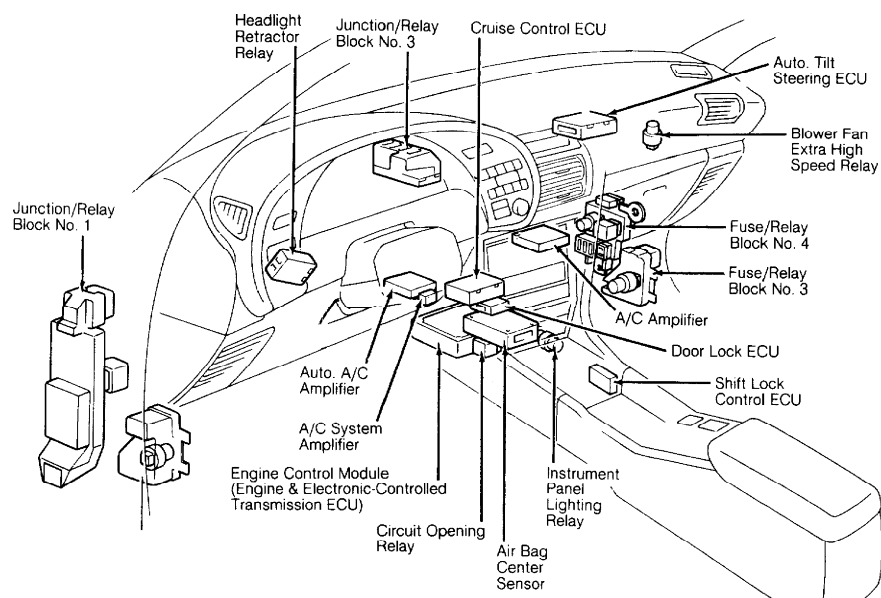
RELAYS

- A. A/C Fan Relay No. 1
- B. Headlight Control Relay
- C. EFI Main Relay
- D. Engine Main Relay

93A27565

Headlight Control Relay

On junction/relay block No.
2, near battery.



94A31468
Headlight Retractor Relay

Behind left side of dash.

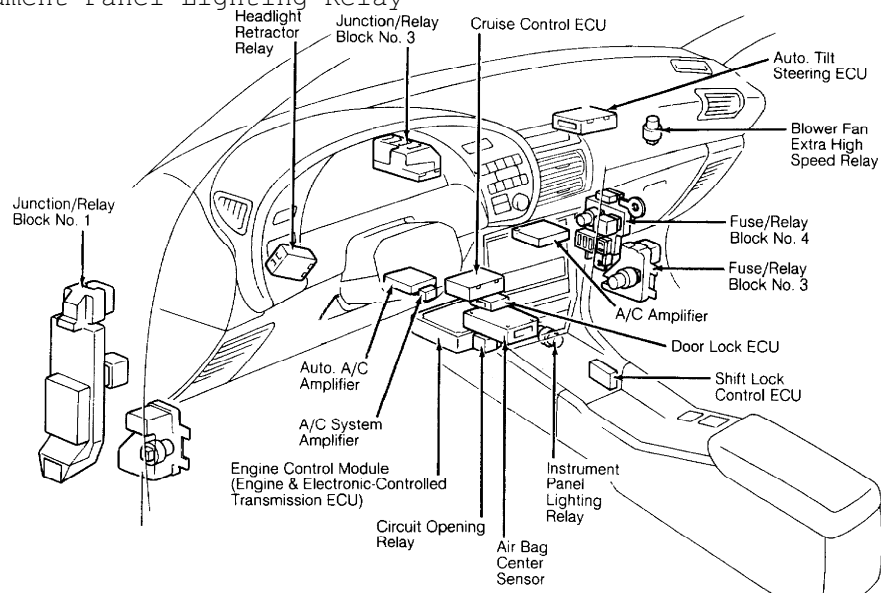
Heater Relay

On fuse/relay block No. 4,
behind right kick panel.

Horn Relay

On relay block No. 5, right
front of engine compartment.

Instrument Panel Lighting Relay



94A31468
Component Location

Behind center of dash,
mounted near right rear of
ashtray bracket.

Integration Relay

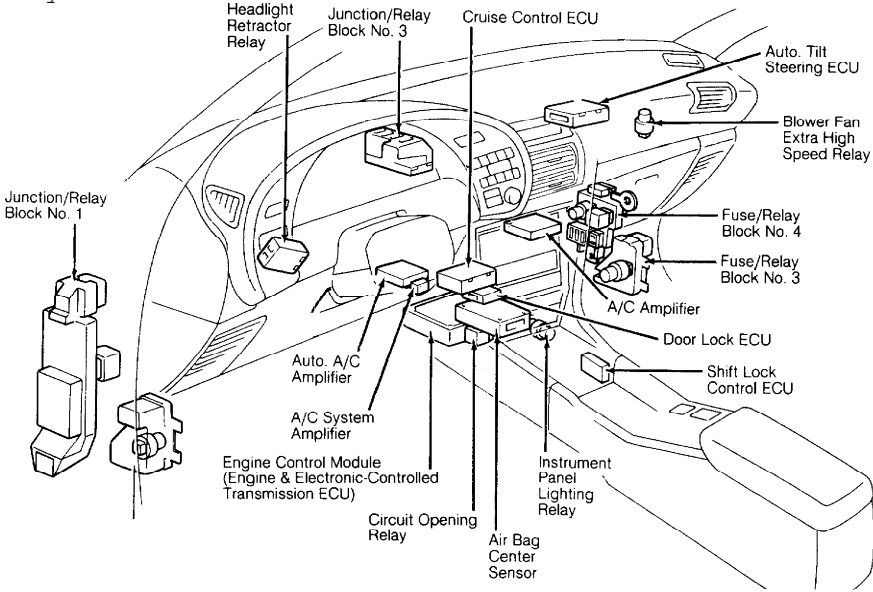
On back side of junction/relay
block No. 1.

Power Main Relay

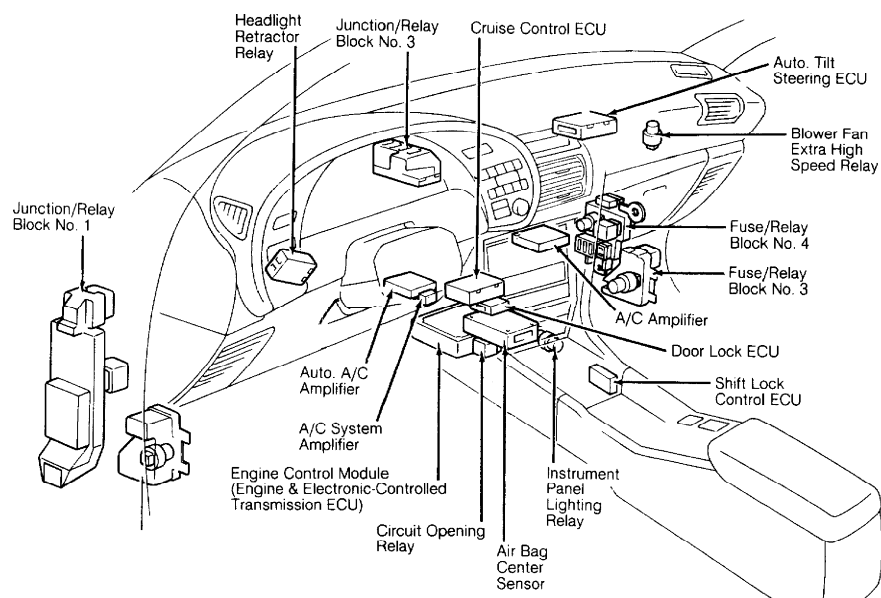
On fuse/relay block No. 2,

	behind left kick panel.
Radiator Fan Relay No. 1	On junction block No. 2, near battery.
Rear Wiper Relay	Inside liftgate, on rear window wiper motor.
Starter Relay (M/T)	On fuse/relay block No. 4, behind right side kick panel.
Sun Roof Control Relay	In front of sun roof opening.
Taillight Control Relay	On junction/relay block No. 1, behind left kick panel.
Turn Signal/Hazard Flasher Relay	On junction/relay block No. 1, behind left kick panel.
Turn Signal/Hazard Flasher Relay	On junction/relay block No. 1, behind left kick panel.

CIRCUIT PROTECTION DEVICES

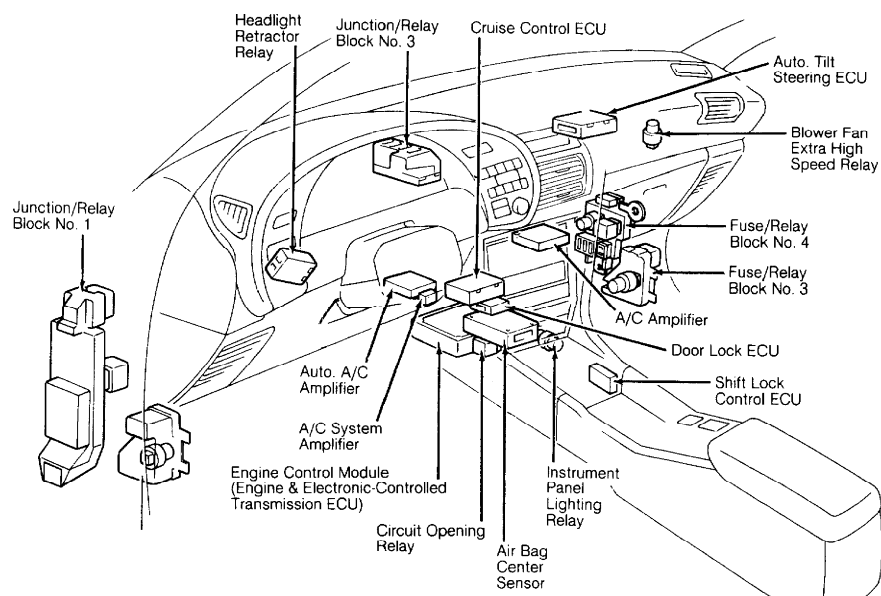
Component	Component Location
Fuse/Relay Blocks	 The diagram shows the internal components of the fuse/relay block area. Labeled components include: Headlight Retractor Relay, Junction/Relay Block No. 3, Cruise Control ECU, Auto. Tilt Steering ECU, Blower Fan Extra High Speed Relay, Fuse/Relay Block No. 4, Fuse/Relay Block No. 3, A/C Amplifier, Door Lock ECU, Shift Lock Control ECU, Instrument Panel Lighting Relay, Air Bag Center Sensor, Circuit Opening Relay, Engine Control Module (Engine & Electronic-Controlled Transmission ECU), A/C System Amplifier, Auto. A/C Amplifier, and Junction/Relay Block No. 1.
No. 2	Beside junction/relay block No. 1, behind left kick panel.

94A31468



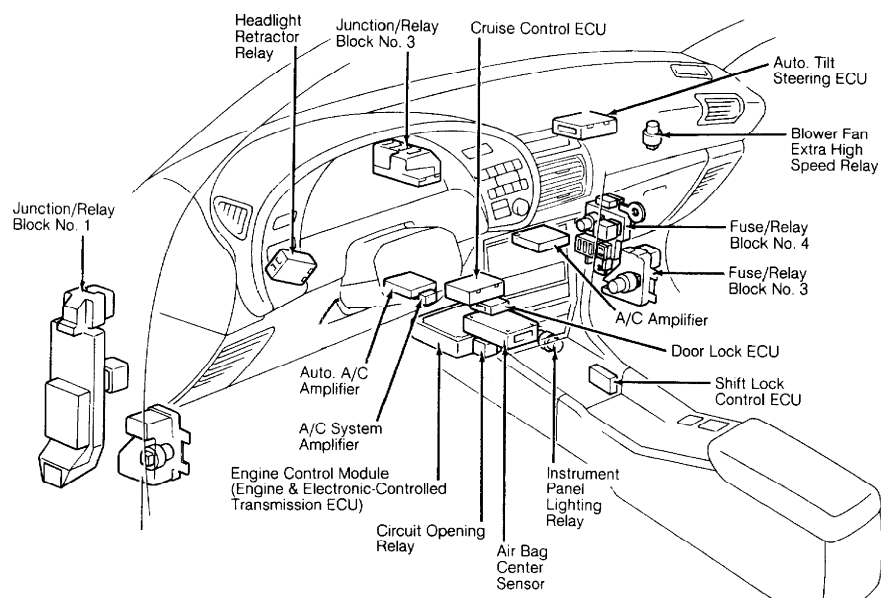
No. 3 94A31468

Behind right kick panel.



No. 4 94A31468

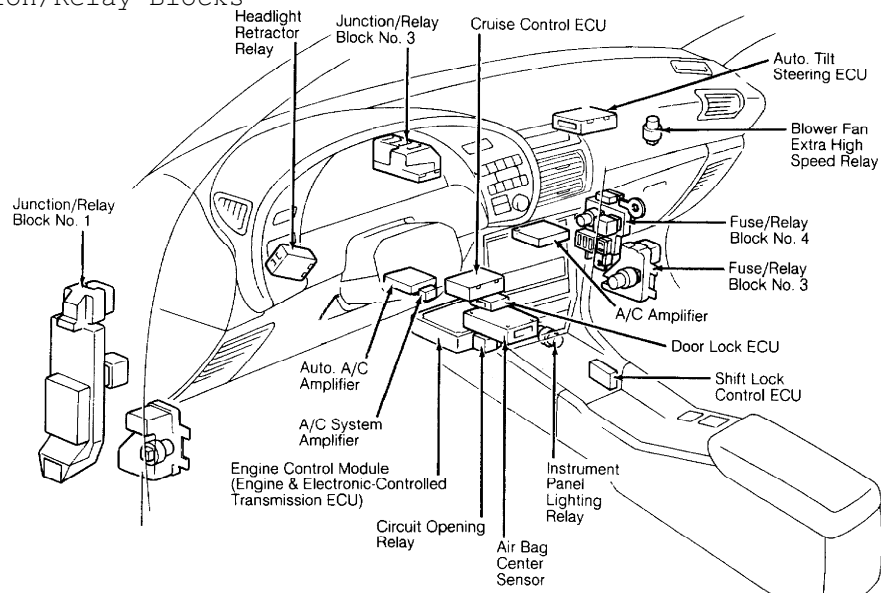
Behind right kick panel.



No. 5 94A31468

Right front corner of engine compartment.

Junction/Relay Blocks

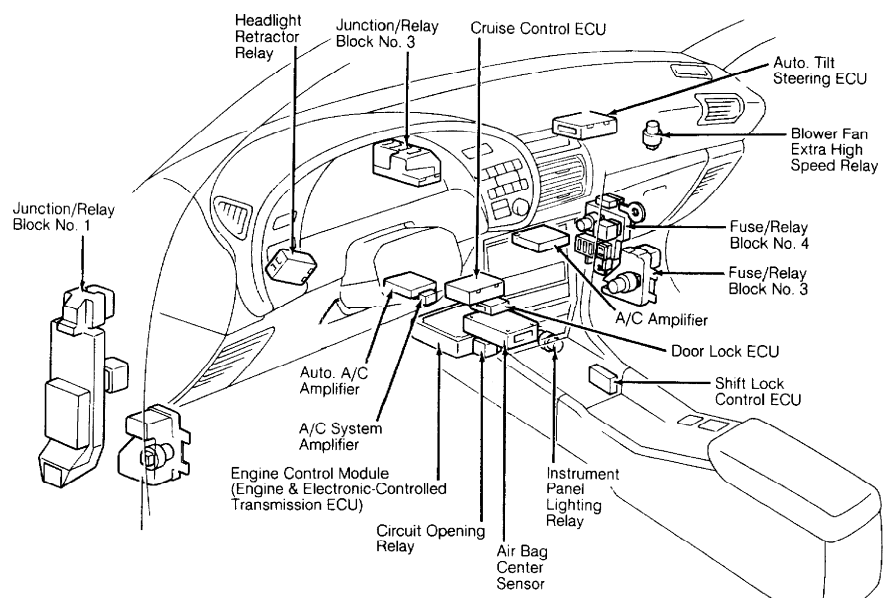


No. 1 94A31468

Behind left kick panel.

No. 4

In engine compartment, near battery.

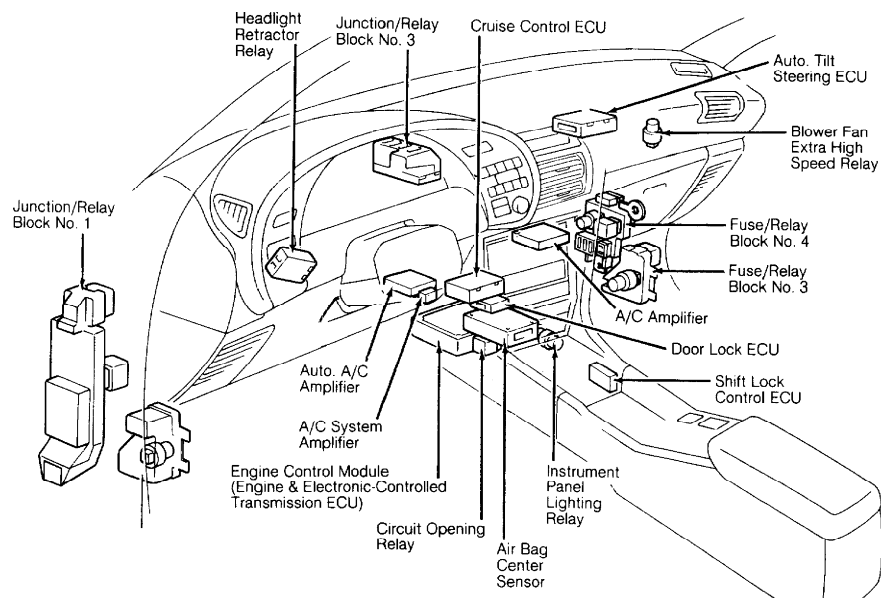


No. 3 94A31468

Behind left side of dash,
behind instrument cluster.

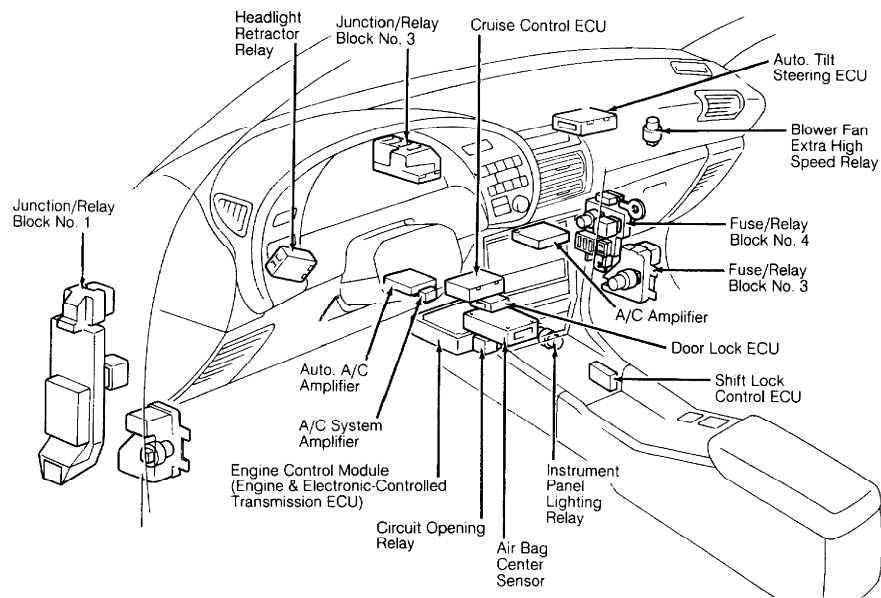
CONTROL UNITS

Component	Component Location
ABS ECU (Convertible)	In trunk, behind left rear quarter panel.
ABS ECU (Except Convertible)	In trunk, behind right rear quarter panel.



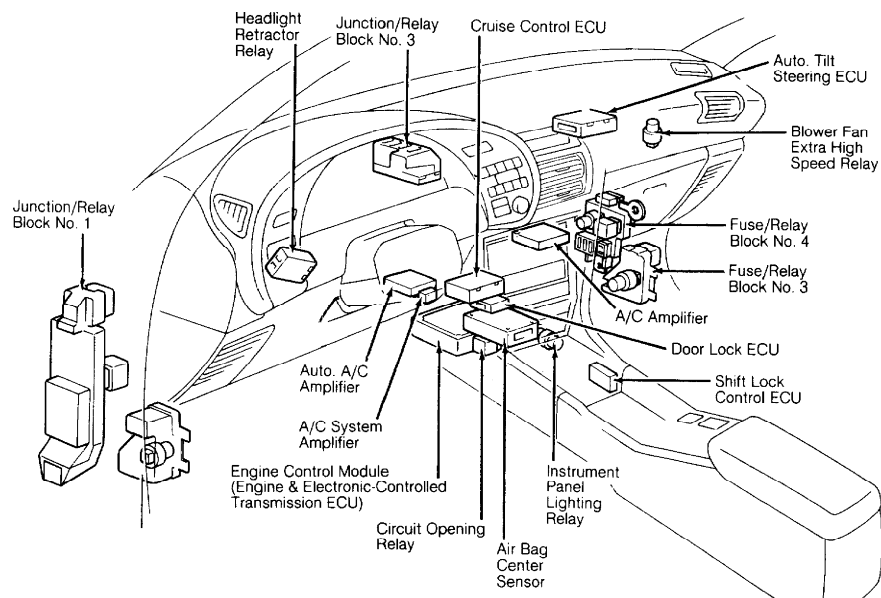
94A31468
Auto. Tilt Steering ECU

Behind right side of dash,
above glove box.



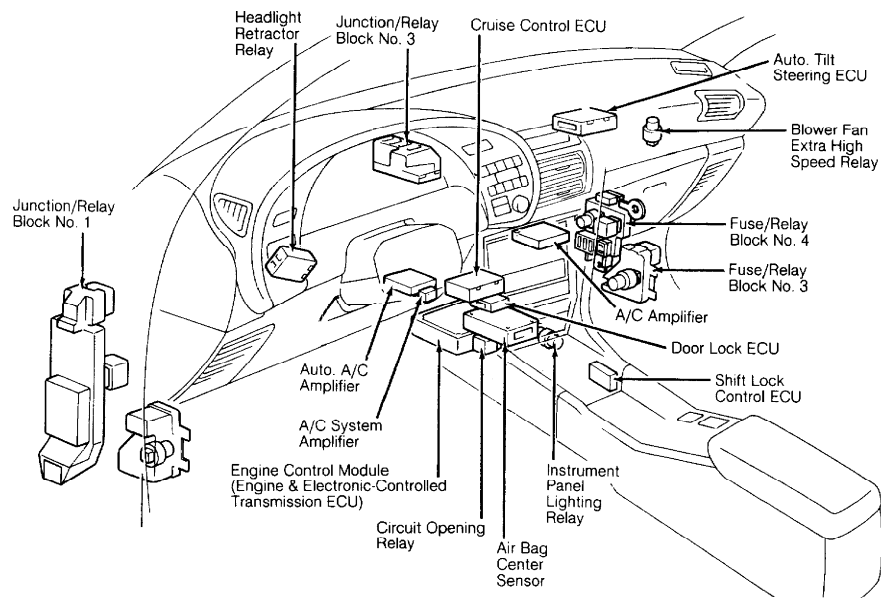
94A31468
Cruise Control ECU

Behind center of dash, below
radio.



94A31468
Door Lock ECU

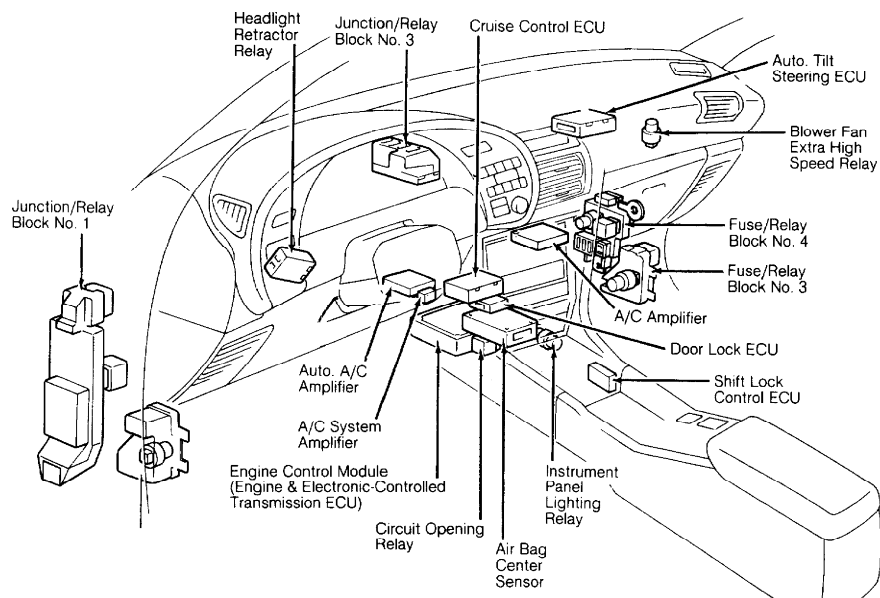
Behind center of dash behind
ashtray.



94A31468
Engine Control Module (ECM)

Behind front of center
console.

Electronic-Controlled
Transmission (ECU)

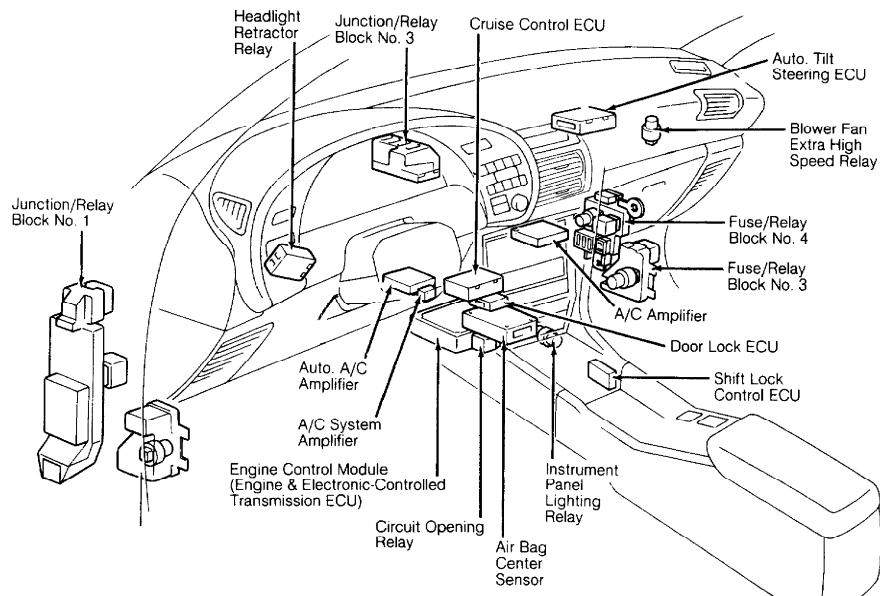


94A31468
Component Location

Integrated within engine control module.

Engine Oil Level ECU

Behind rear seat, mounted to floor in trunk.



94A31468
Shift Lock ECU

Under center floor console, at base of gear selector.

MOTORS

Component

Component Location

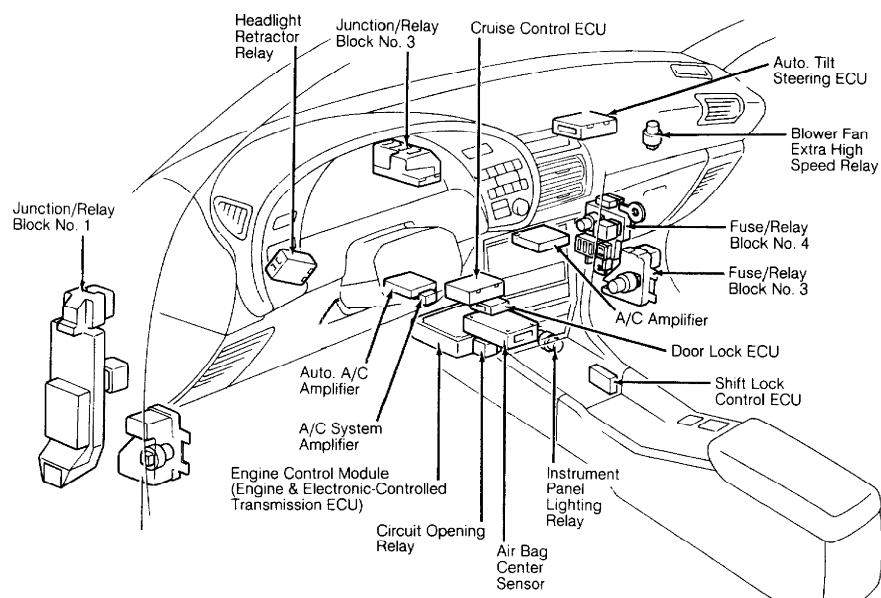
ABS Actuator

Right front corner of engine

	compartment.
A/C-Heater System Air Inlet Servomotor	Behind glove box, on top left side of blower housing.
Air Mix Control Servomotor	Under center of dash, on front of A/C-heater core housing.
Airflow Mode Control Servomotor	Above accelerator pedal, mounted to A/C-heater housing.
Auto. Tilt Steering Motor	Inside steering column tilt assembly.
Front Wiper Motor	On left rear corner of engine compartment, near brake booster.
Rear Wiper Motor	Inside liftgate.
Sun Roof Motor	In front of sun roof opening, above control switch.
Windshield Washer Motor	On right front corner of engine compartment.

SENDING UNITS & SENSORS

Component	Component Location
ABS Deceleration Sensor (4WD)	Behind rear seat, mounted to floor of trunk.
ABS Speed Sensors	One sensor mounted to each wheel hub.
A/C-Heater System Ambient Temp. Sensor	On front grille of vehicle, near receiver-drier.
Coolant Temp. Sensor (Auto. A/C)	On heater core housing.
In-Car Temp. Sensor (Auto. A/C)	Behind A/C control panel.
Revolution Sensor	On rear of A/C compressor.
Solar Sensor (Auto. A/C)	On top right side of dash.
Air Bag	



94A31468
Center Sensor

Mounted under center console,
in front of gear selector.

Impact Sensors

On top of left and right inner
fender panels.

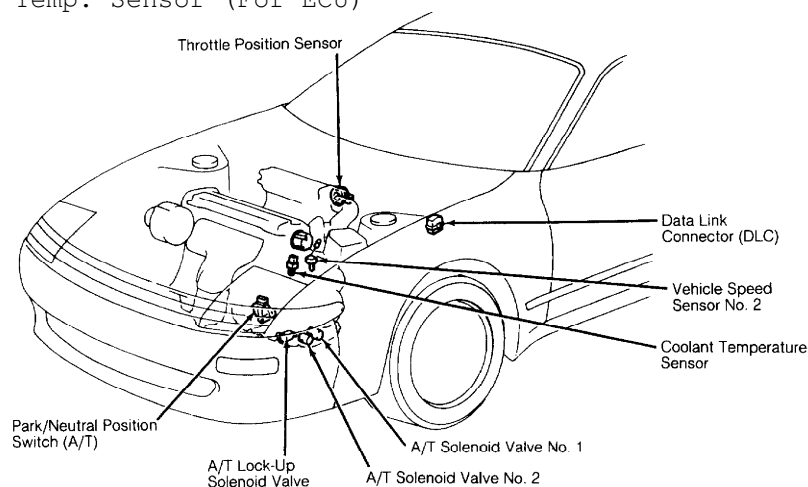
Coolant Temp. Gauge Sending Unit
3S-GTE & 5S-FE

Threaded into under side of
coolant outlet flange.

4A-FE

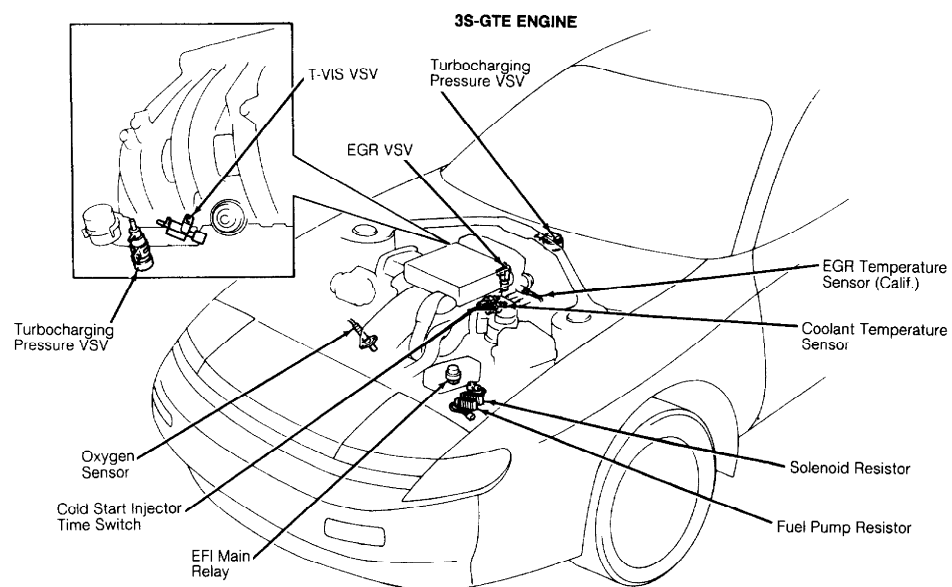
Threaded into top of coolant
outlet flange.

Coolant Temp. Sensor (For ECU)



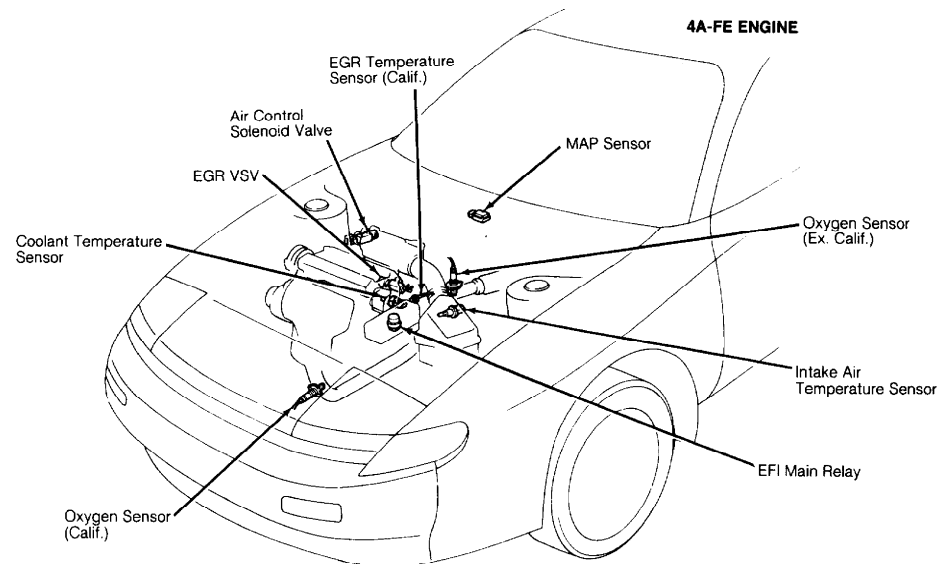
94B31469
(3S-GTE)

Threaded into top of coolant
outlet flange nearest cylinder
head.



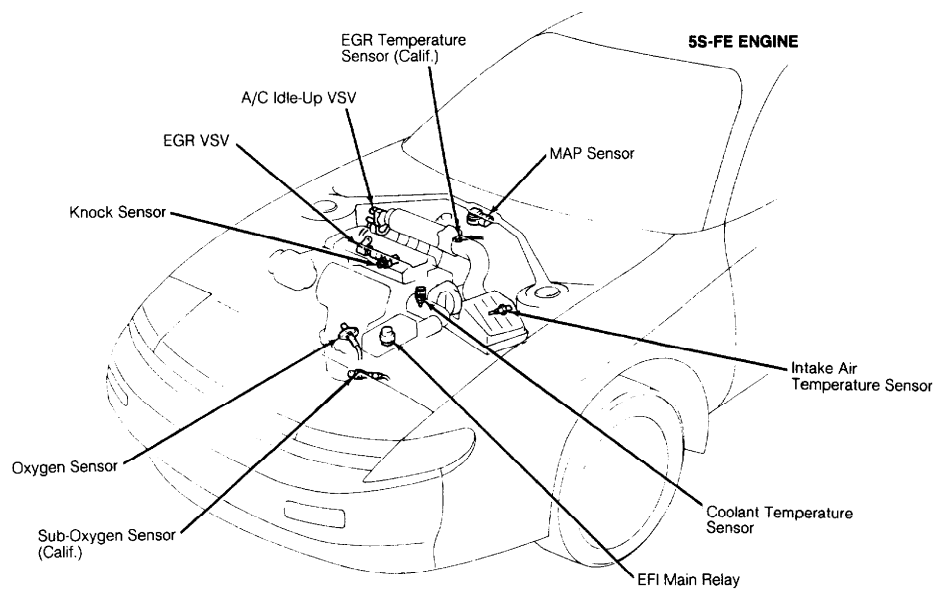
94F31470
(3S-GTE)

Threaded into top of coolant outlet flange nearest cylinder head.



94F31471
(4A-FE)

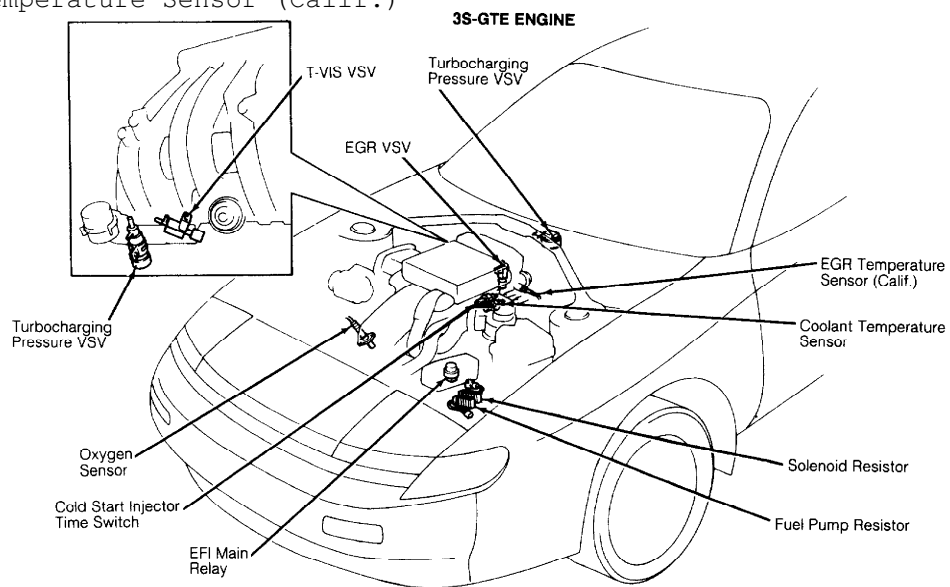
Threaded into top of coolant outlet flange nearest cylinder head.



94G31472
(5S-FE)

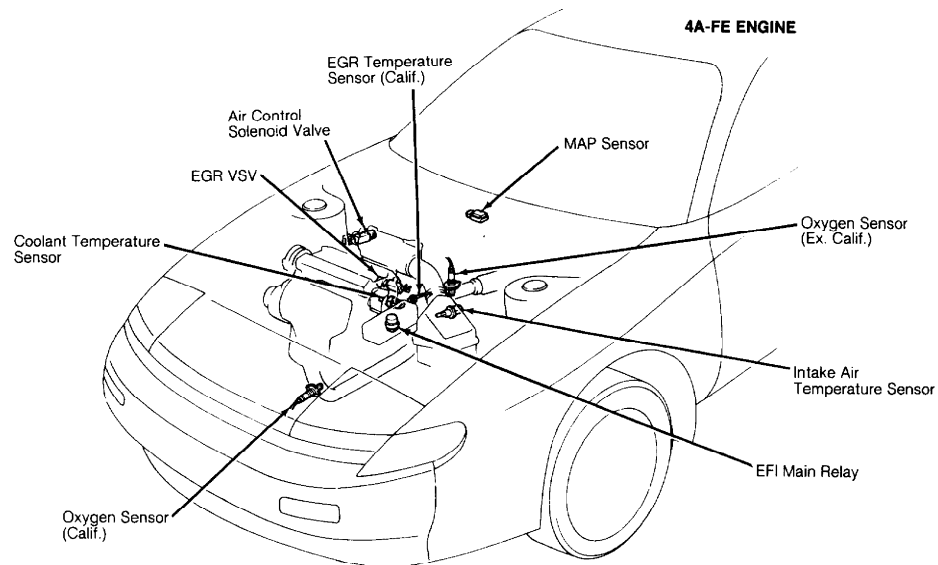
Threaded into top of coolant outlet flange nearest cylinder head.

EGR Temperature Sensor (Calif.)



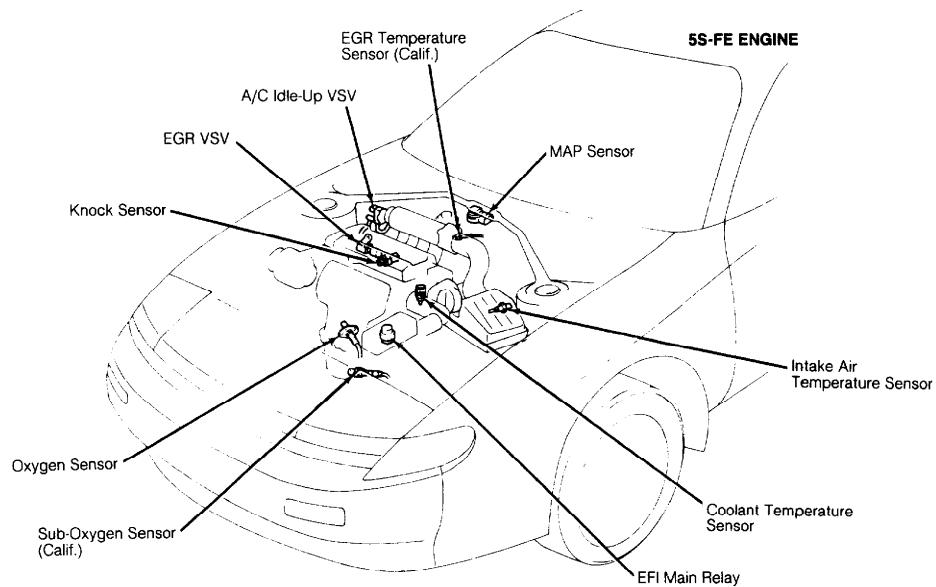
94F31470
(3S-GTE)

Mounted on side of EGR valve.



(5S-FE) 94F31471

Mounted on side of EGR valve.

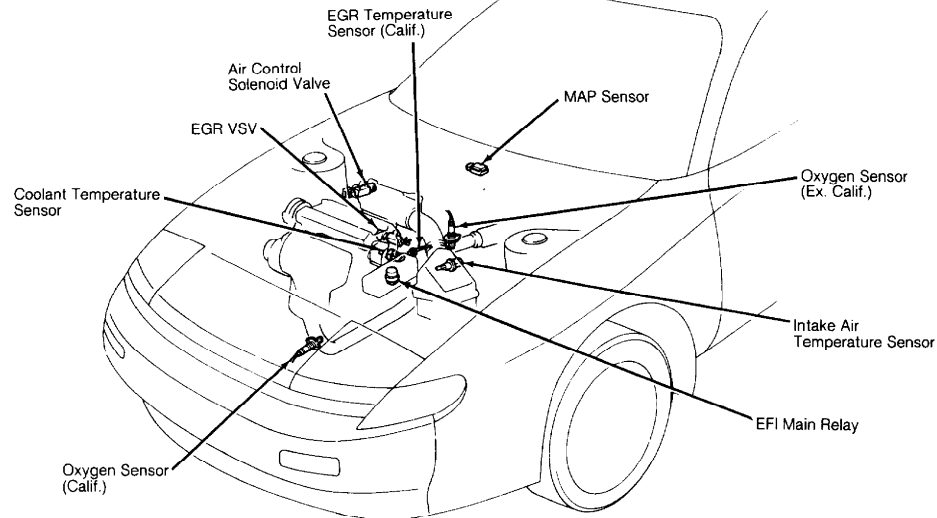


(5S-FE) 94G31472

Mounted on side of EGR valve.

Intake Air Temperature Sensor

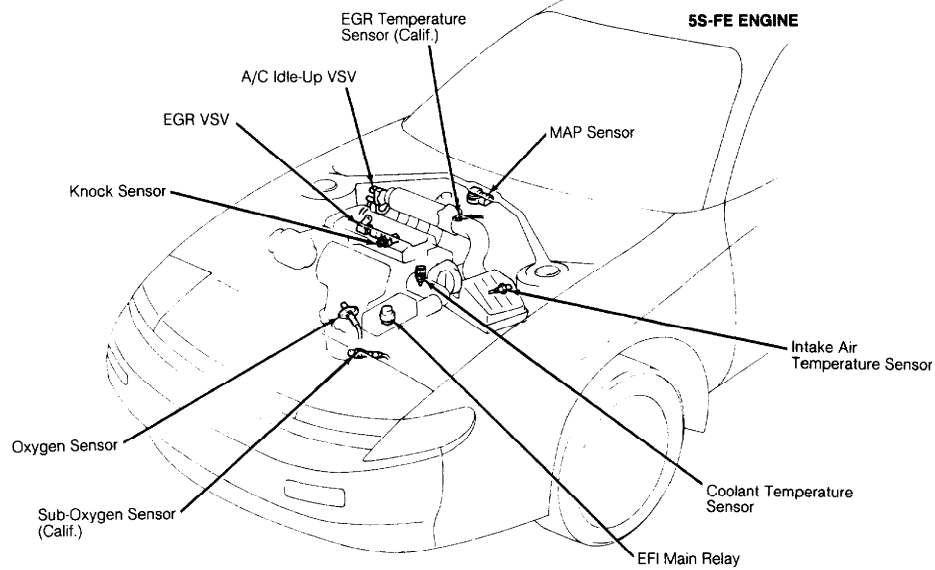
4A-FE ENGINE



94F31471
(4E-FE)

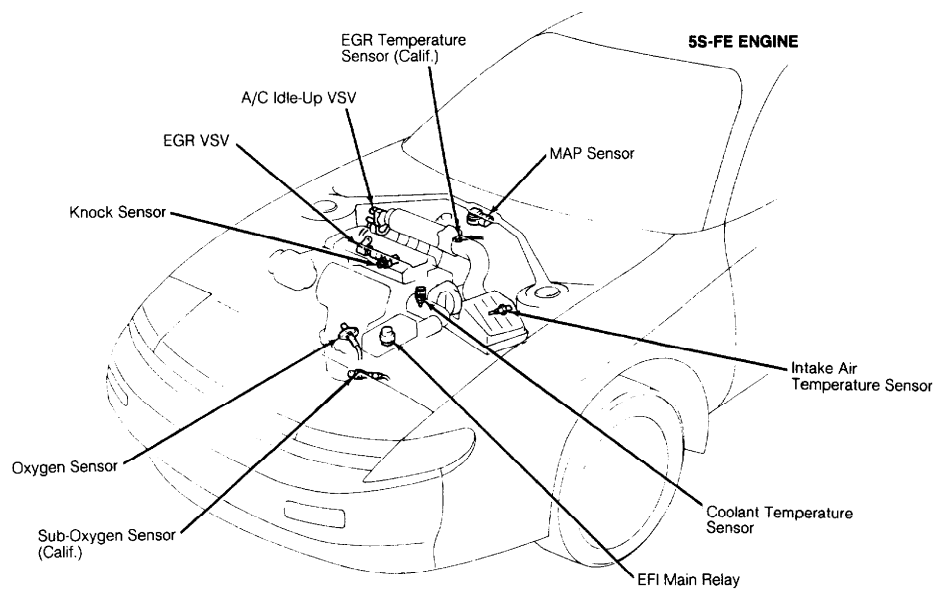
Mounted to air cleaner
assembly or in air intake
duct.

5S-FE ENGINE



94G31472
(5E-FE)

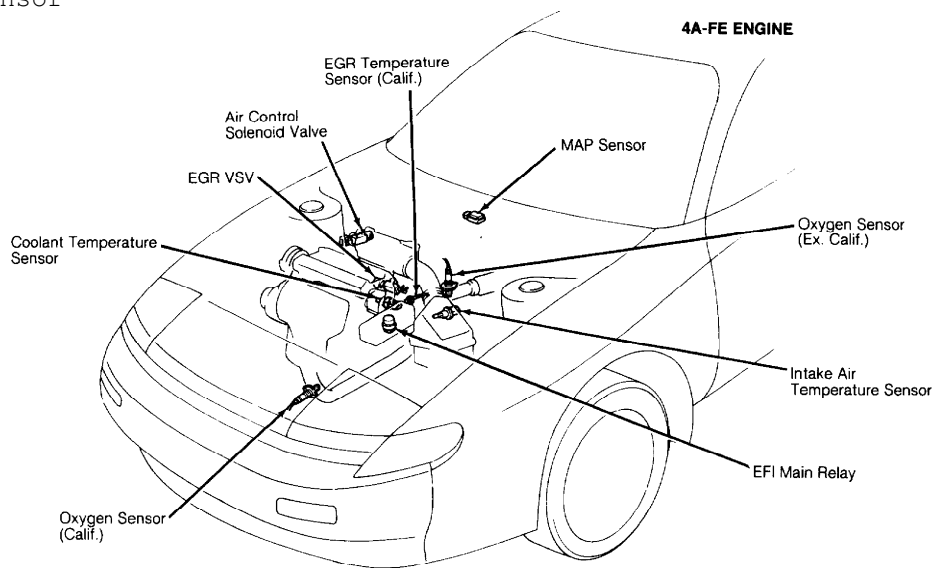
Mounted to air cleaner
assembly or in air intake
duct.



94G31472
Knock Sensor (3S-GTE & 5S-FE)

On intake side of cylinder block, near No. 1 cylinder.

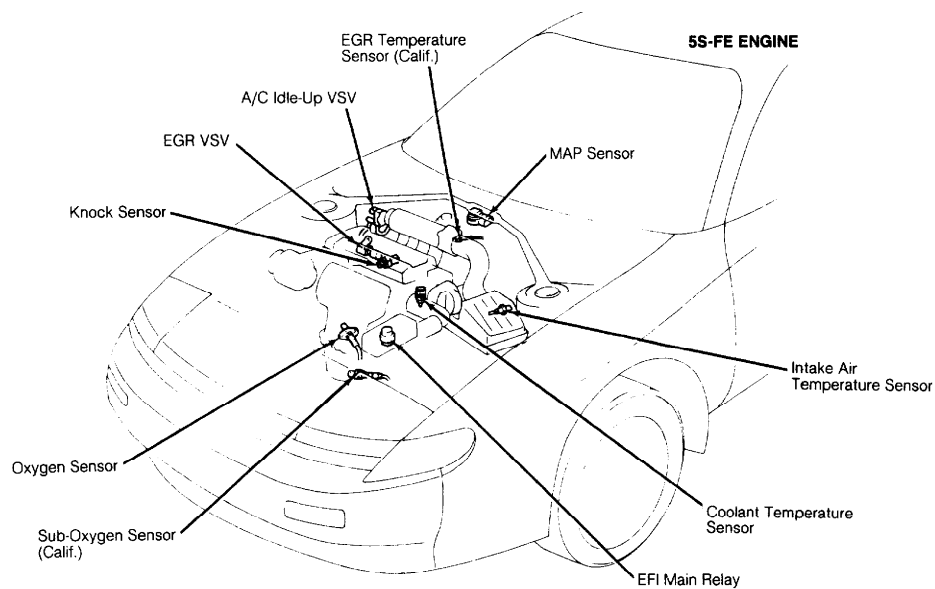
MAP Sensor



94F31471
(4S-FE Shown 4S-FE Similar)

In engine compartment, near center of firewall.

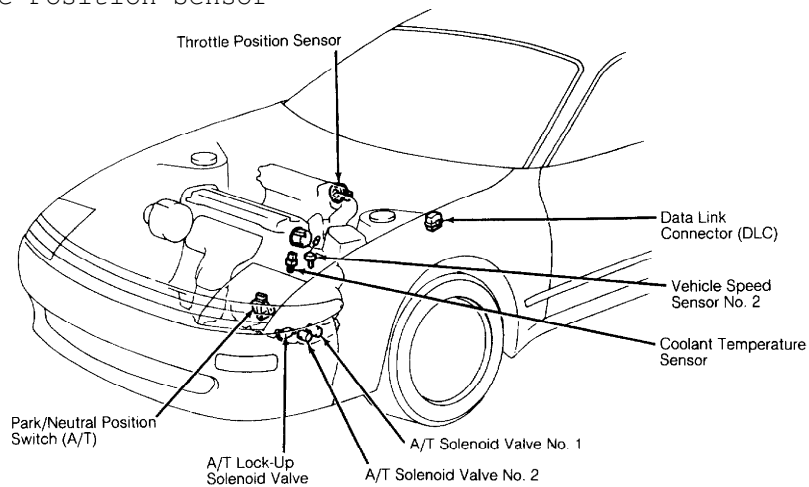
Speed Sensor



94G31472
(5S-FE)

On rear of speedometer
assembly.

Throttle Position Sensor



94B31469
(5S-FE Shown 4S-FE Similar)

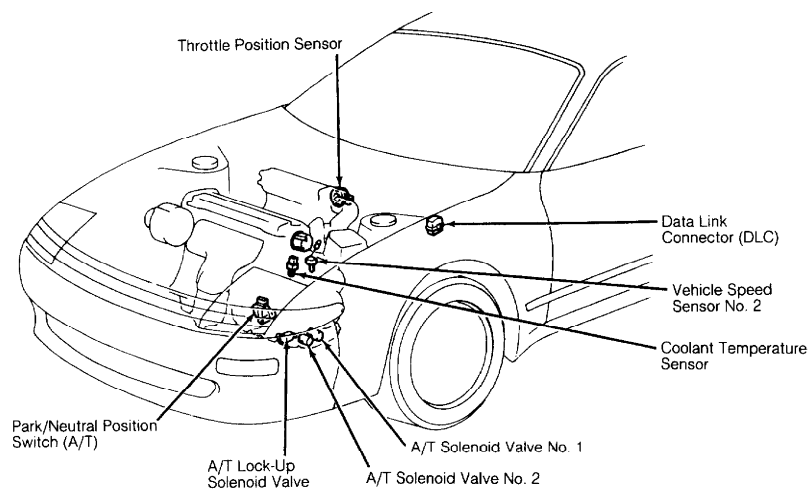
On throttle body housing.

Turbo Pressure Sensor (3S-GTE)

On center of firewall.

Vehicle Speed Sensors No. 1

On rear of speedometer
assembly.



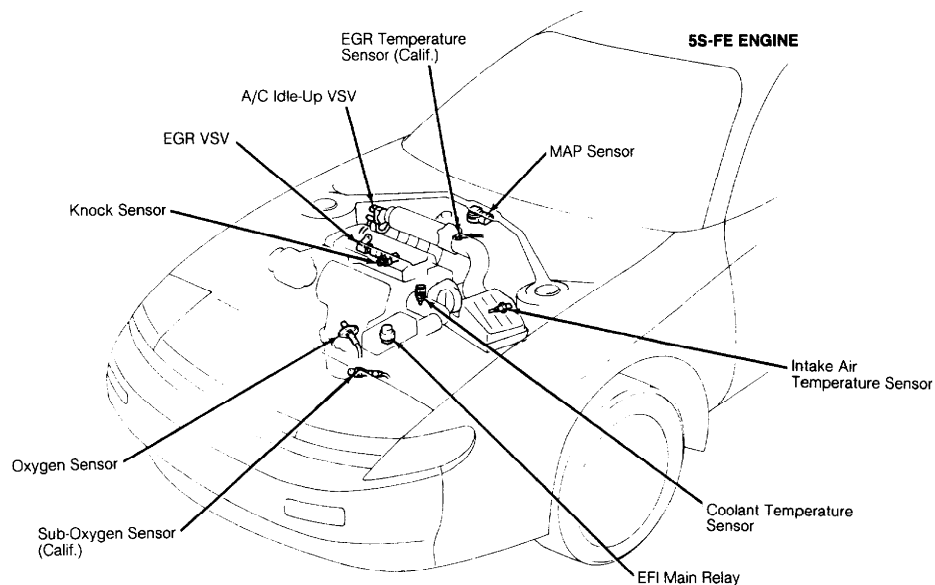
No. 2 94B31469

Mounted to top of transaxle.

SOLENOIDS & SOLENOID VALVES

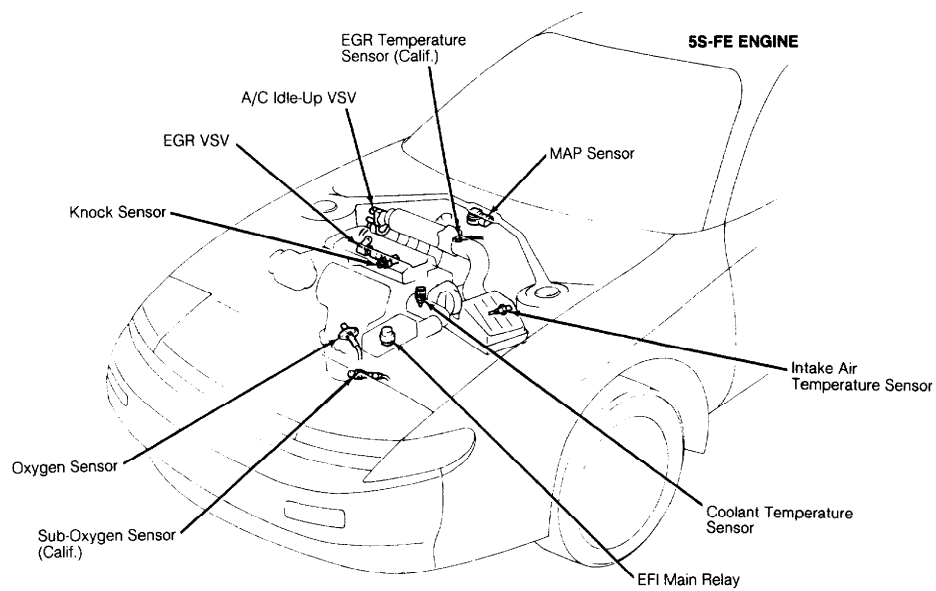
Component

Component Location



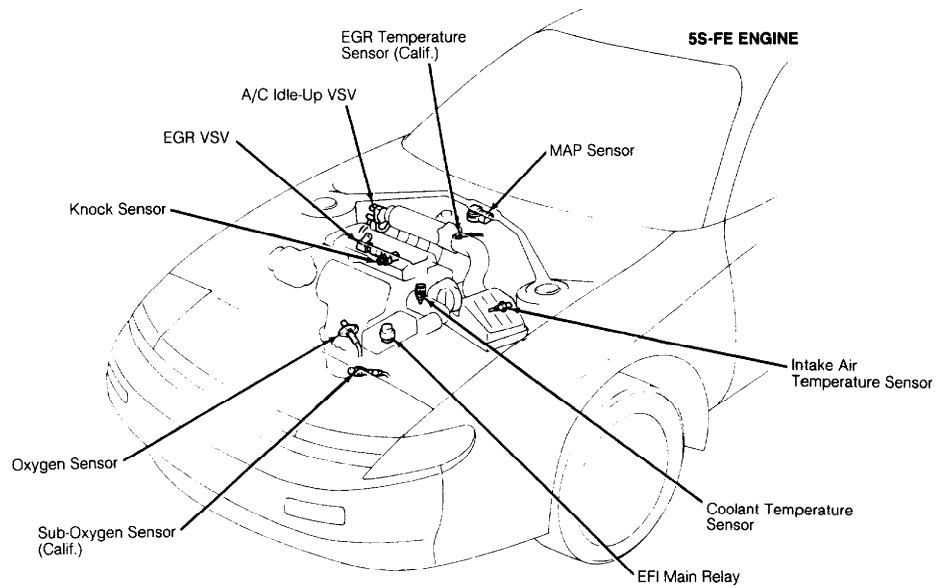
94G31472
A/C Idle-Up Vacuum
Switching Valve (VSV)

In engine compartment, on
right side of firewall, behind
shock tower.



94G31472
Air Control Solenoid Valve

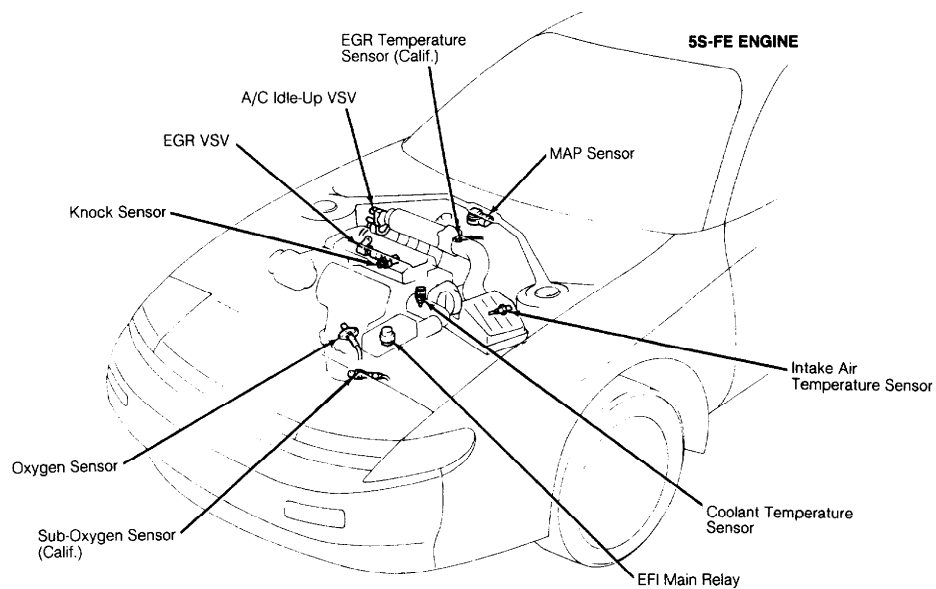
In right rear corner of engine compartment.



94G31472
A/T Lock-Up Solenoid
A/T Overdrive Solenoid

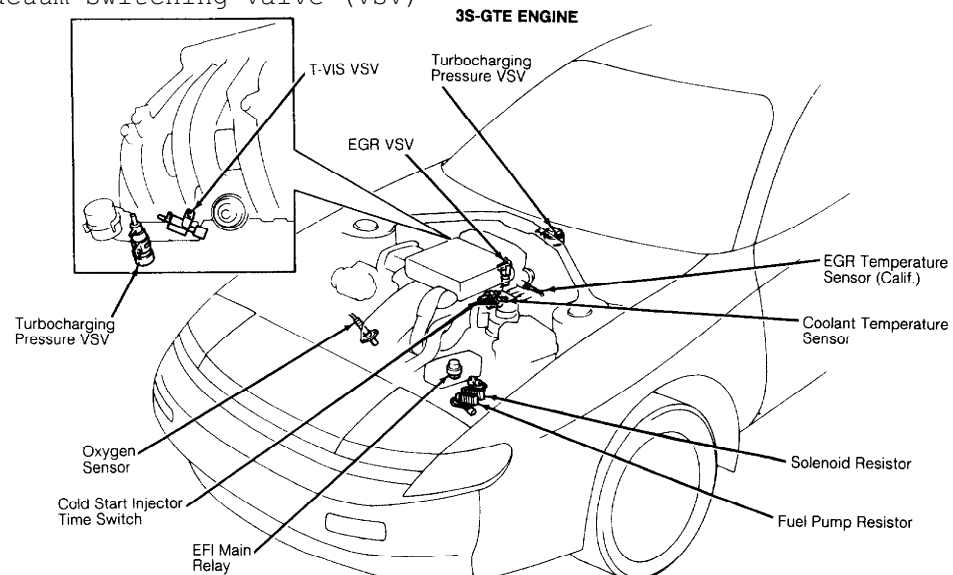
On transaxle valve body.

On transaxle valve body.

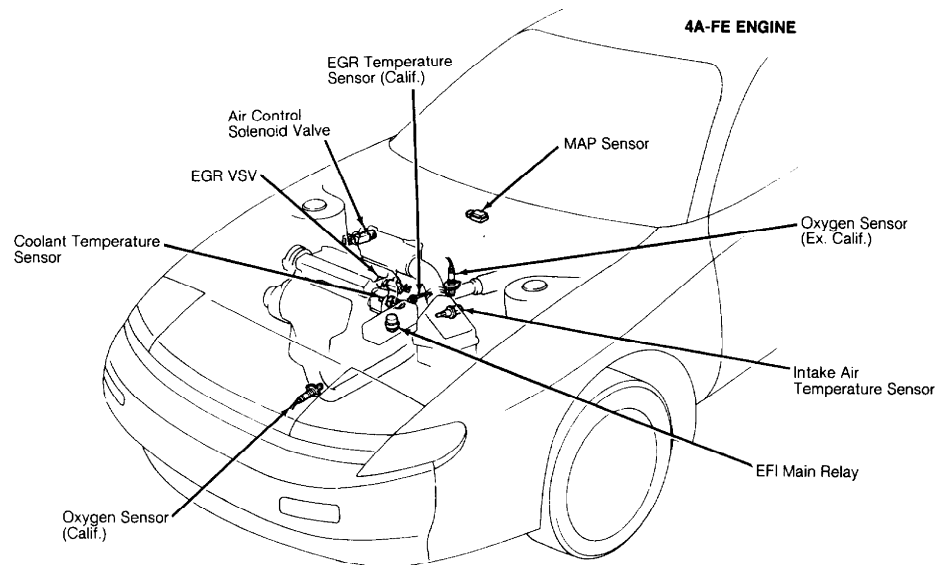


94G31472
A/T Solenoid Valves No. 1 & 2 On transaxle valve body.

EGR Vacuum Switching Valve (VSV)



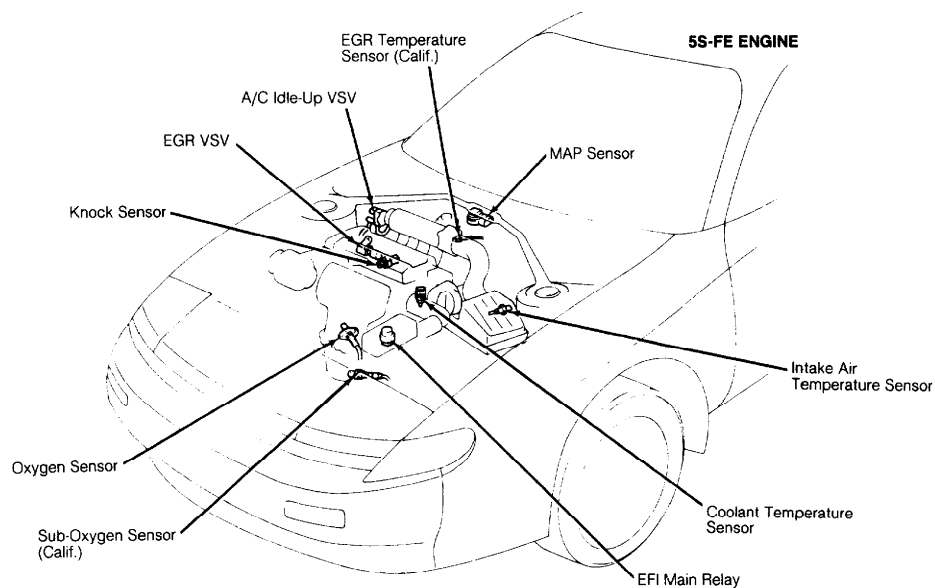
94F31470
3S-GTE Near EGR Valve.



4A-FE

94F31471

Near EGR Valve.



5S-FE

94G31472

Near EGR Valve.

Idle Air Control (IAC) Valve
(3S-GTE & 5S-FE)

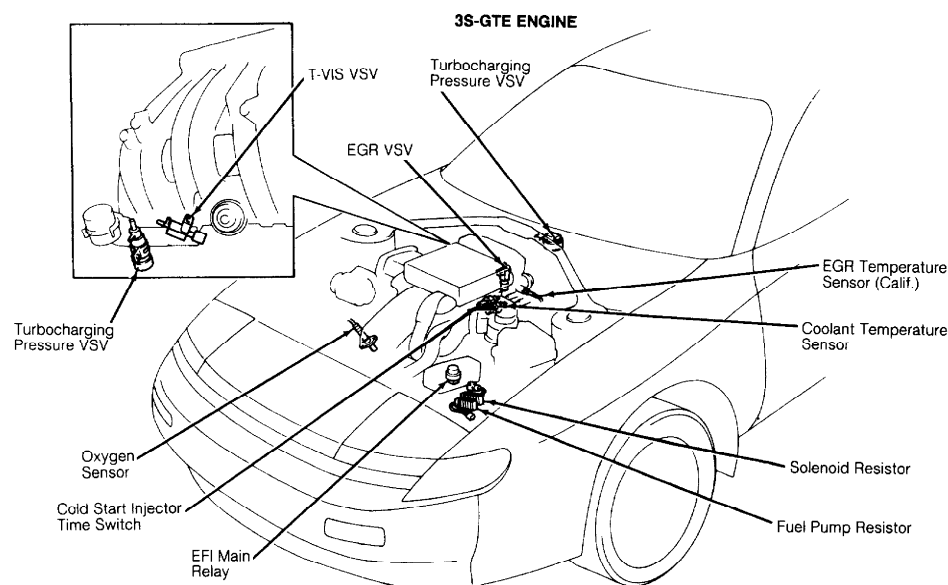
On throttle body.

Key Interlock Solenoid

On steering column, mounted to
lock cylinder assembly.

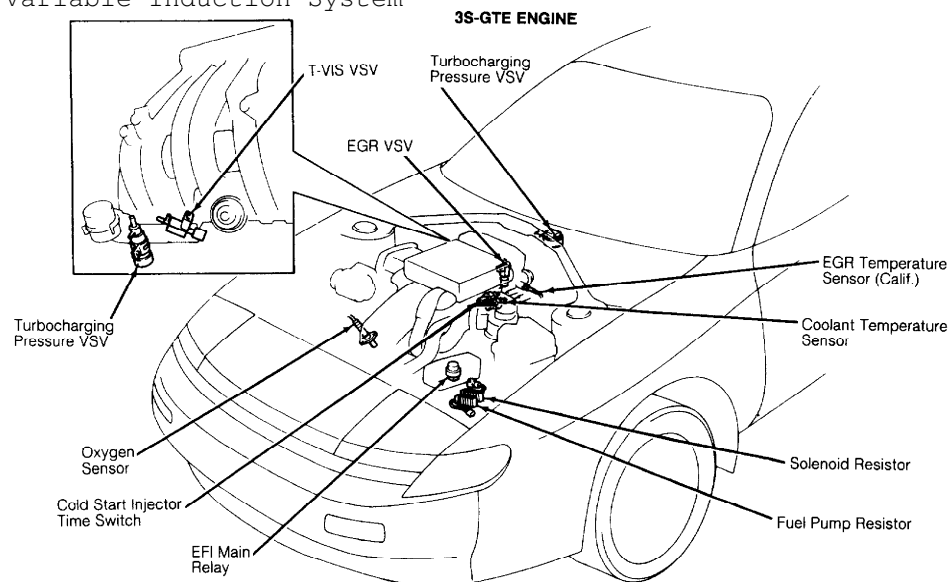
Shift Lock Solenoid (A/T)

Under center floor console
at base of gear selector.



94F31470
Turbocharging Pressure (3S-GTE) On center of firewall.

Turbo-Variable Induction System

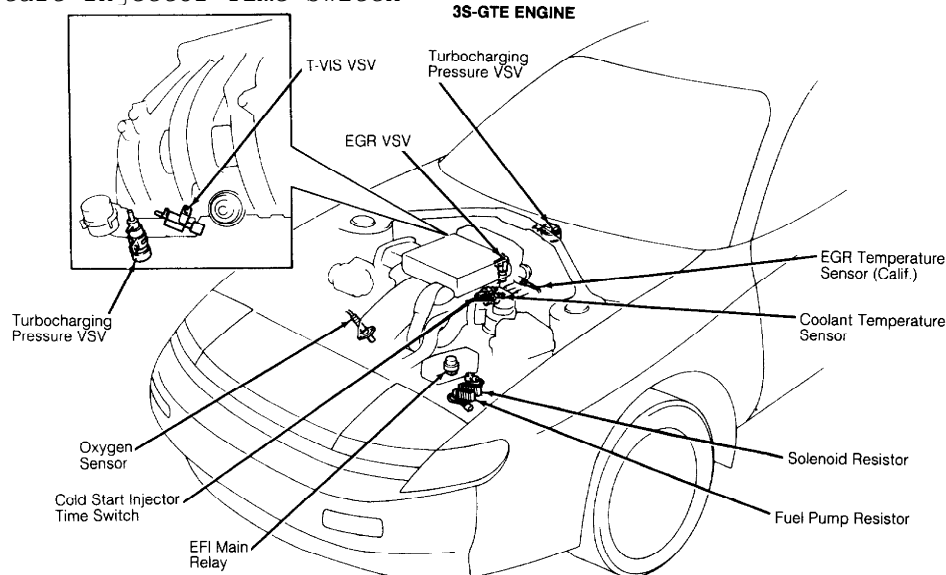


3S-GTE 94F31470
On intake manifold, near turbocharging pressure VSV.

SWITCHES

Component	Component Location
A/C Cooling Fan Temp. Switch	On top of radiator.
A/C Pressure Switch	On A/C line, in right rear corner of engine compartment.
Back-Up Light Switch (M/T)	On transaxle.

Brake Fluid Warning Switch	On cap of brake fluid reservoir.
Brake/Stoplight Switch	On brake pedal bracket.
Clutch Start Switch	On clutch pedal bracket.
Cold Start Injector Time Switch	

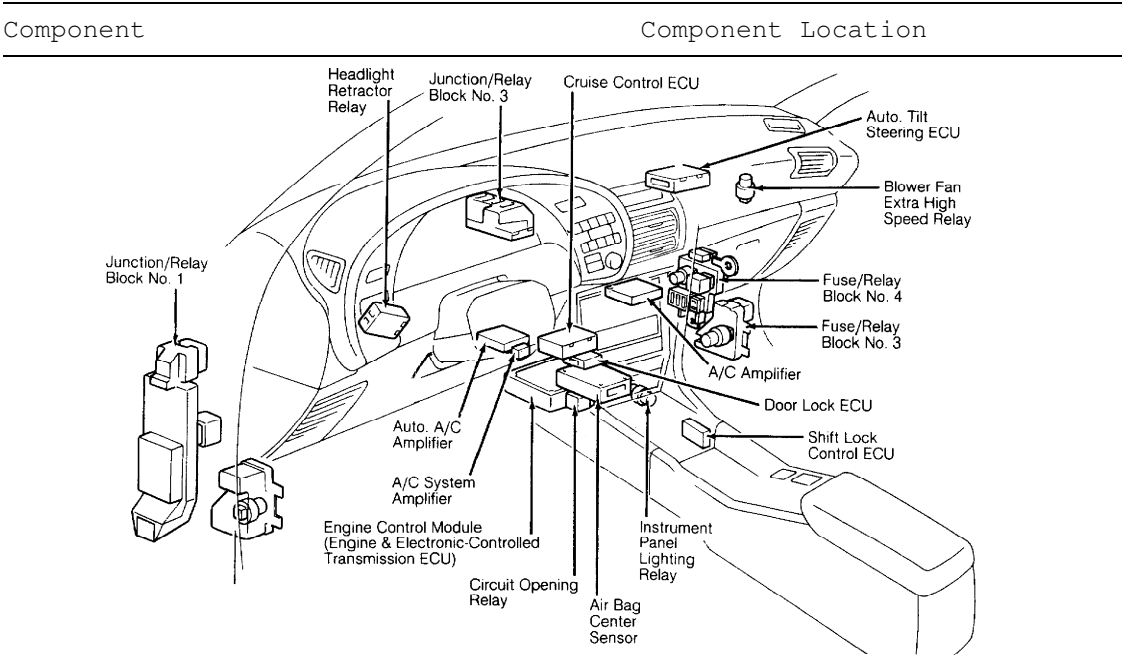


94F31470
(3S-GTE)

On left side of engine,
on coolant outlet.

Coolant Temperature Switch 3S-GTE & 5S-FE 4A-FE	In radiator. Threaded into top of coolant outlet flange.
Key Unlock Warning Switch	On steering column, next to ignition switch.
Low Oil Pressure Warning Switch 3S-GTE	On rear of engine, near distributor.
4A-FE	On left side of engine, near oil filter.
5S-FE	On left rear of cylinder head.
Par/Neutral Position Switch (A/T)	On left side of transaxle.
Parking Brake Switch	At base of parking brake lever
Seat Belt Buckle Switch	At base of seat belt buckle.
Shift Lock Control Switch (A/T)	Under center floor console, at base of gear selector.
Sun Roof Control & Limit Switches	In sun roof front opening rail, near sun roof motor.

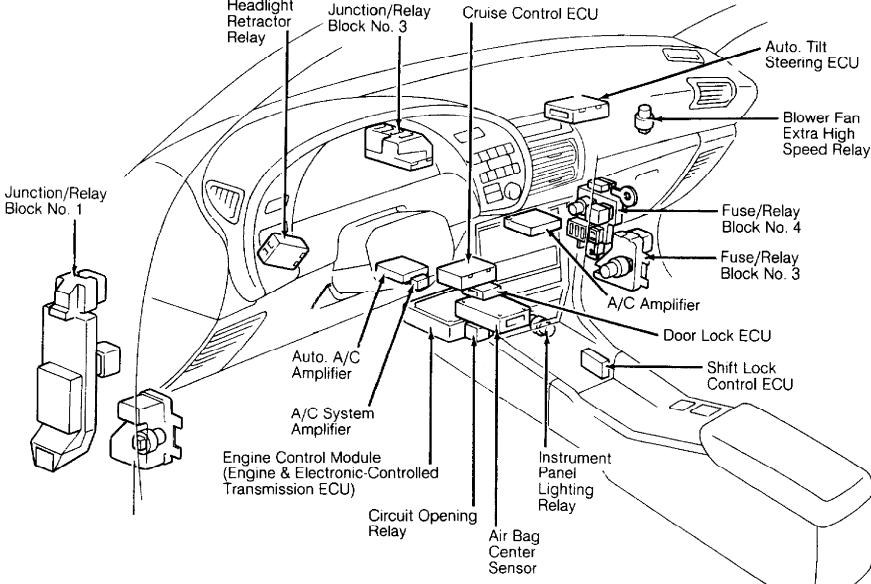
MISCELLANEOUS



94A31468
A/C Amplifier

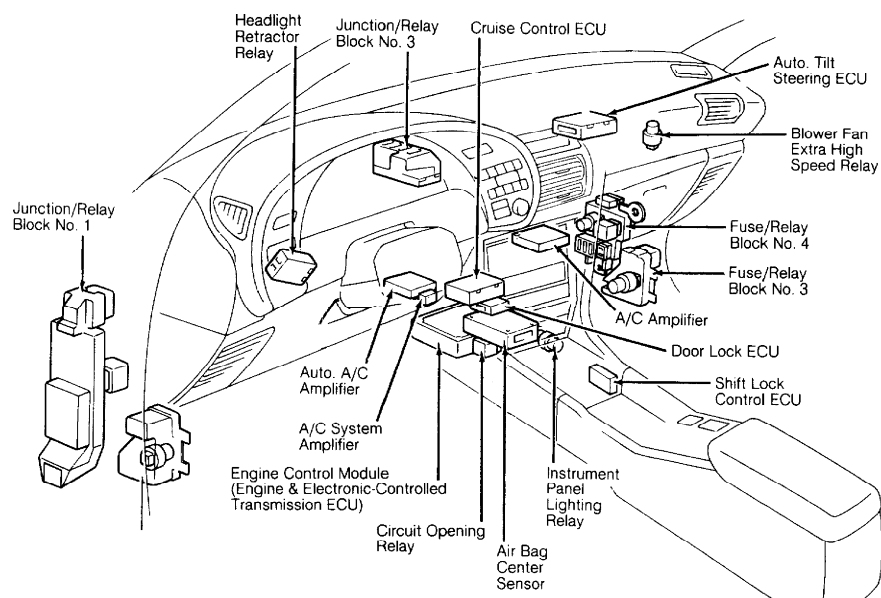
Behind glove box, attached to bottom of evaporator housing.

A/C System Amplifier



94A31468
(Push-Button Control Switch)

Behind center of dash, in front of Auto. A/C Amplifier.



94A31468
Auto. A/C Amplifier

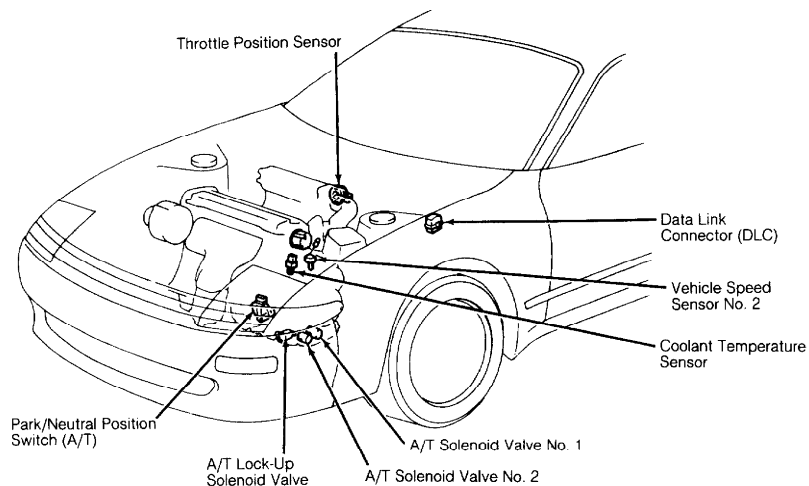
Behind center of dash, on
bottom left of heater core
housing.

Auto. A/C Power Transistor

Behind glove box, mounted to
right rear side of evaporator
housing.

Blower Resistor

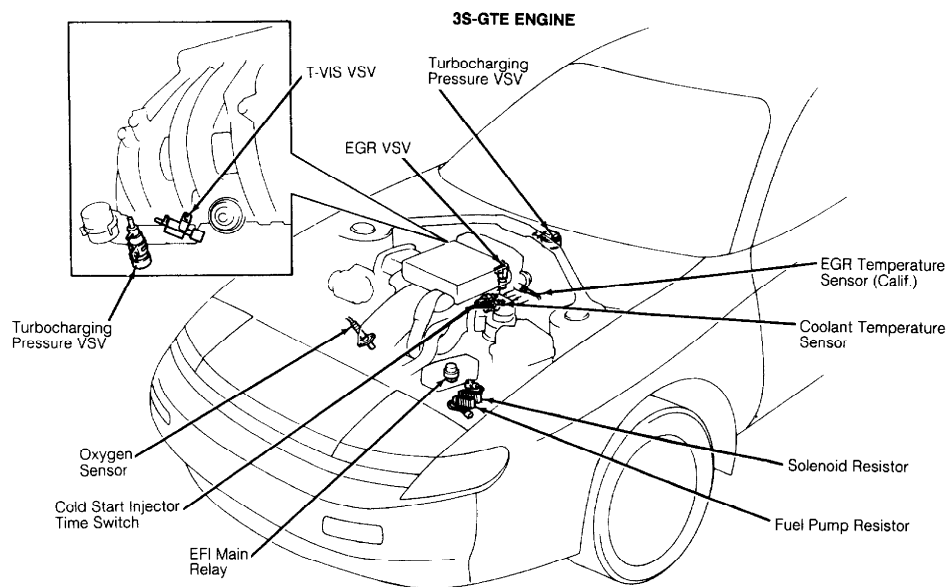
Behind glove box, mounted to
right front side of evaporator
housing.



94B31469
Data Link Connector

In left rear of engine
compartment, behind strut
tower.

Fuel Pump Resistor



94F31470
(3S-GTE)

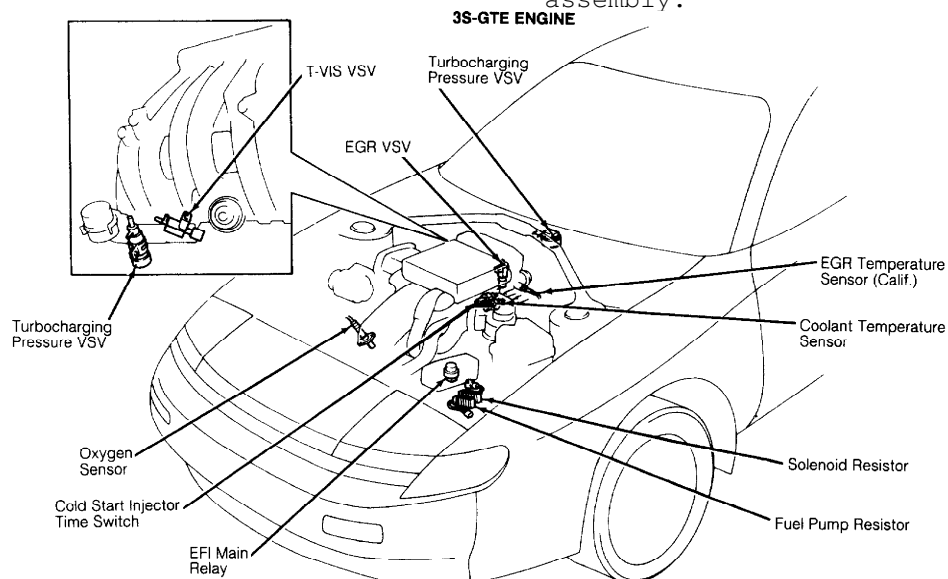
On left front corner of engine compartment.

Igniter
3S-GTE

On left side of firewall.

4A-FE

Integrated within distributor assembly.



94F31470
Solenoid Resistor

On left front corner of engine compartment.