

ELECTRICAL COMPONENT LOCATOR - 3.4L

1998 Toyota 4Runner

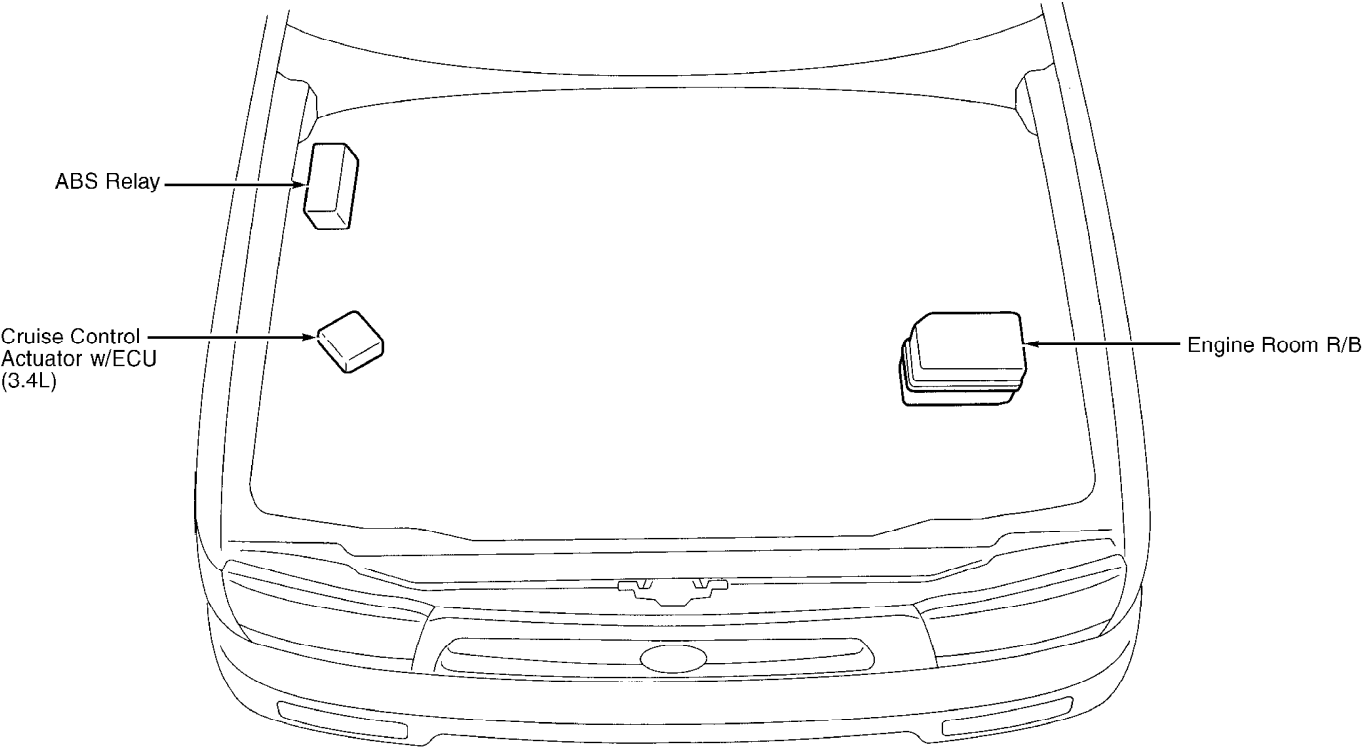
1998 ELECTRICAL COMPONENT LOCATION
Toyota - Electrical Components - 3.4L
4Runner

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.

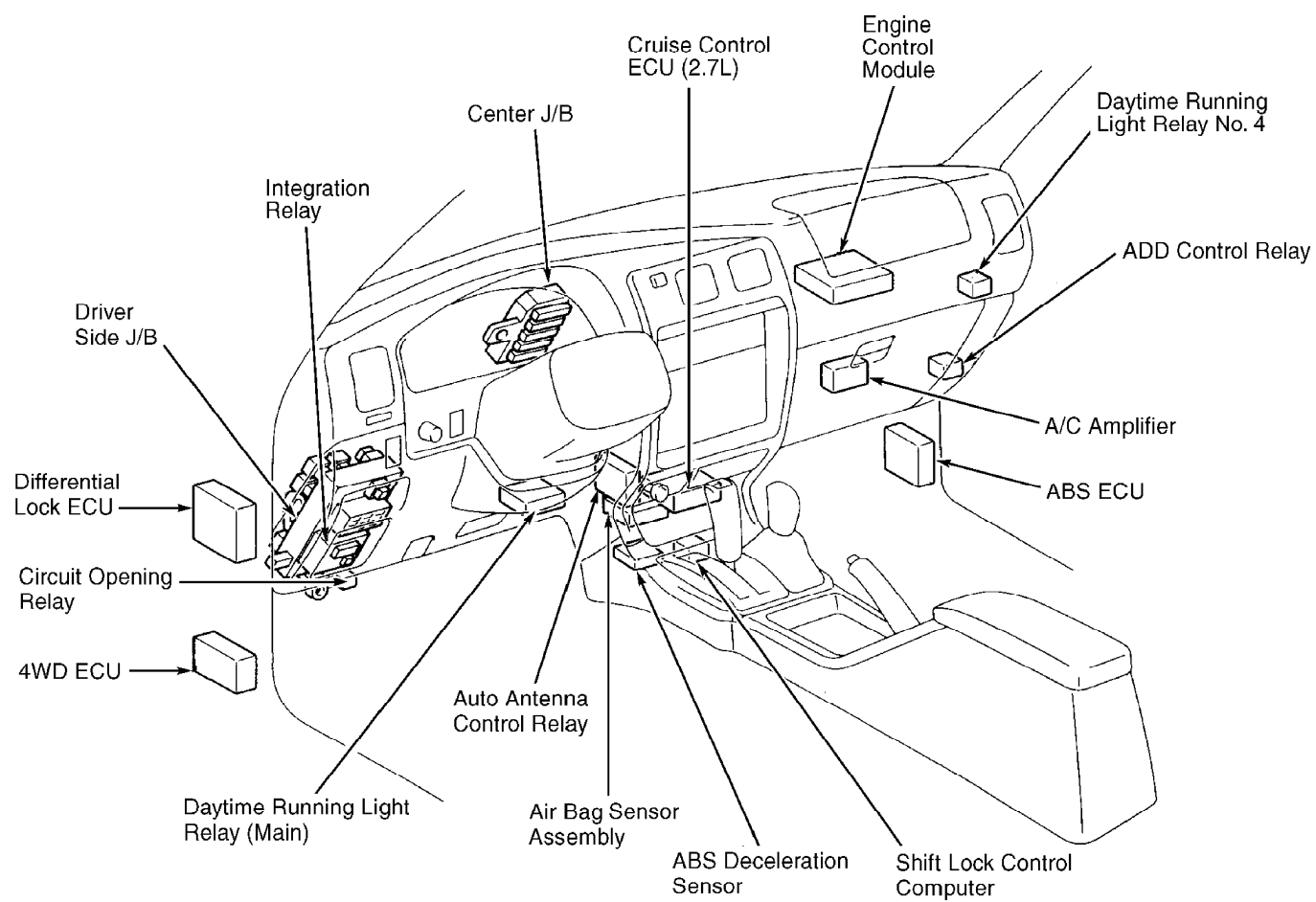
BUZZERS, RELAYS & TIMERS

Component	Component Location
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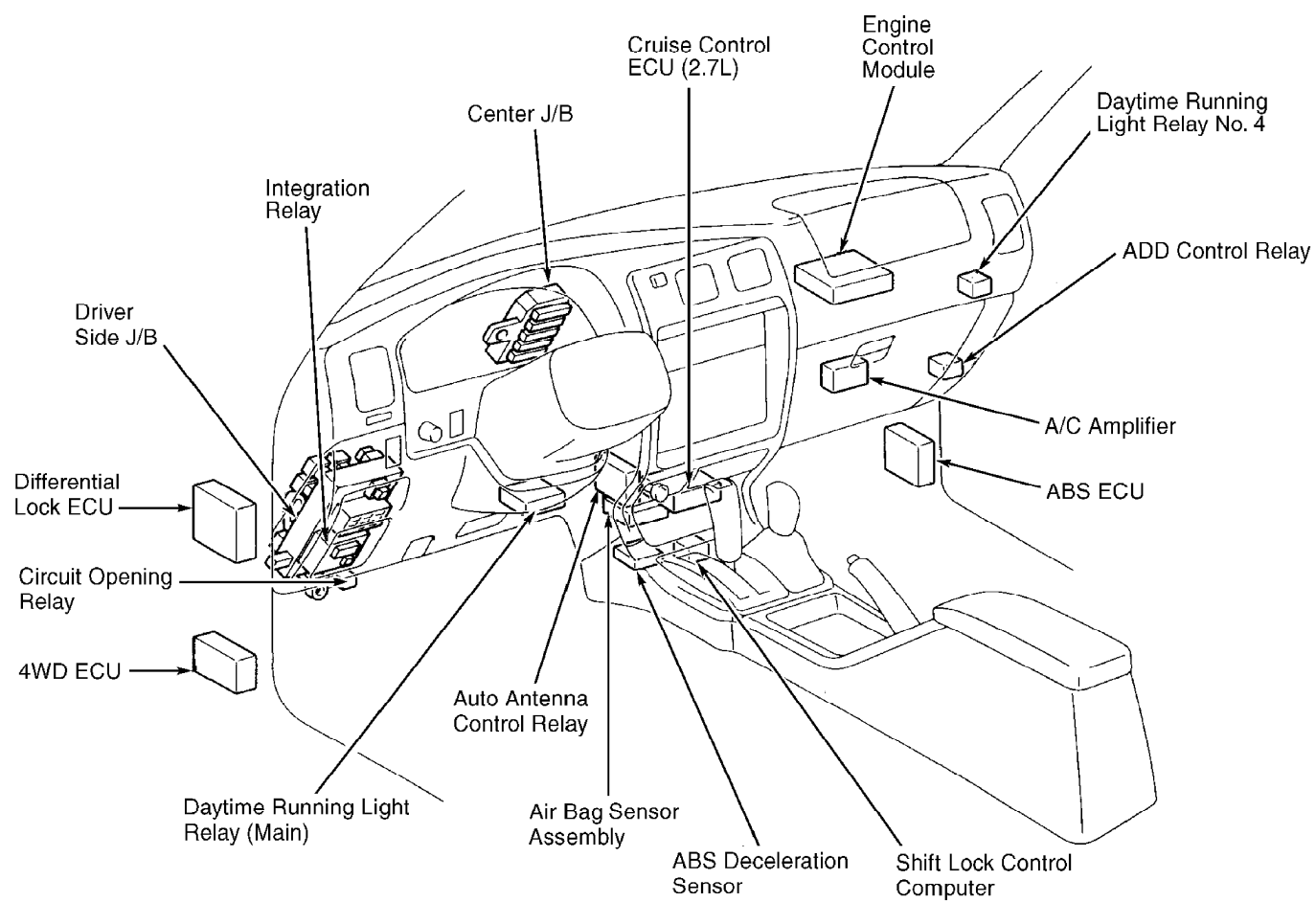
98H02286
ABS Relay

On right rear of engine compartment, on inner fender panel.



98B02288
ADD Control Relay

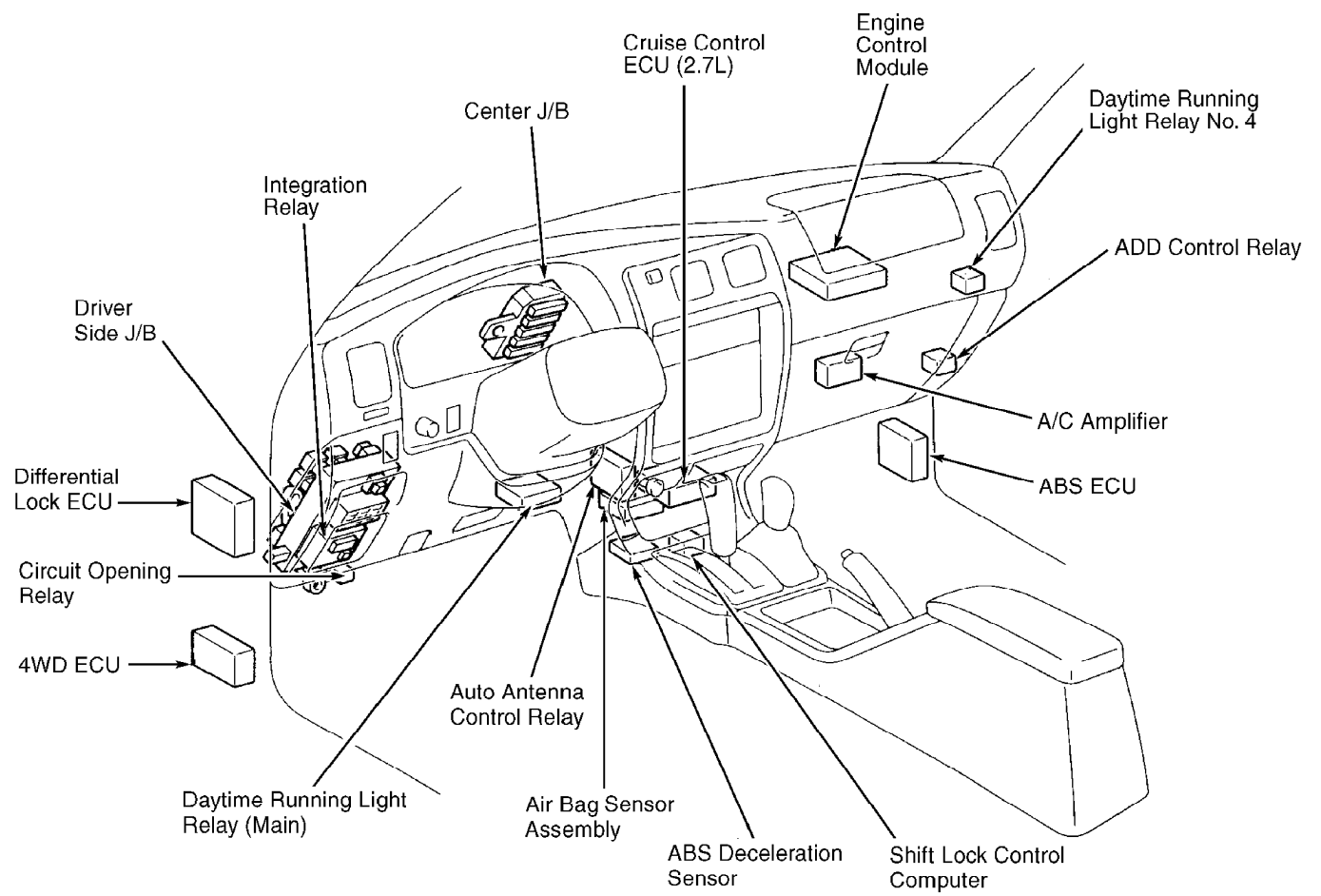
Behind right side of dash.



98B02288

Auto Antenna Control Relay

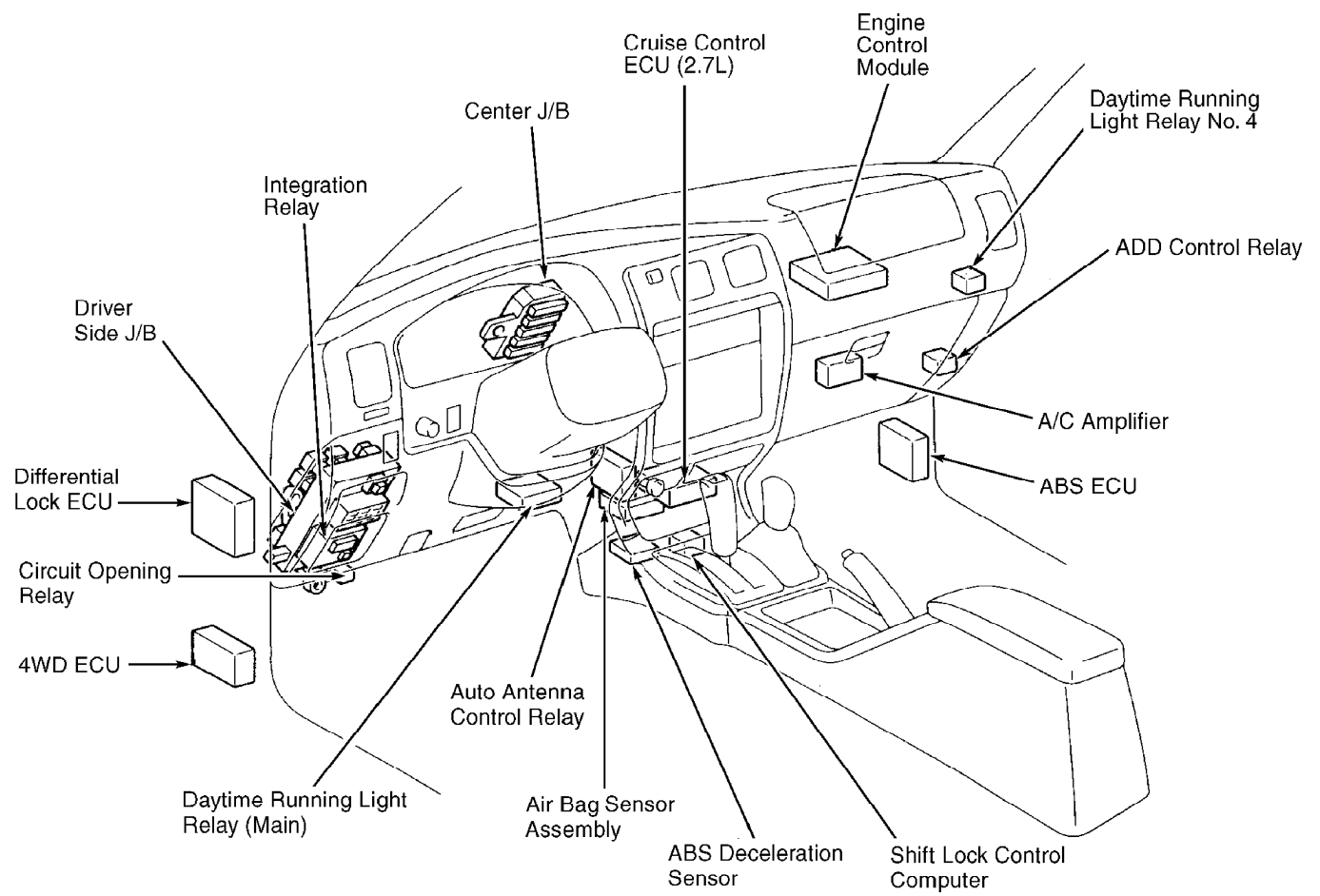
Behind center of dash, near front of console.



98B02288

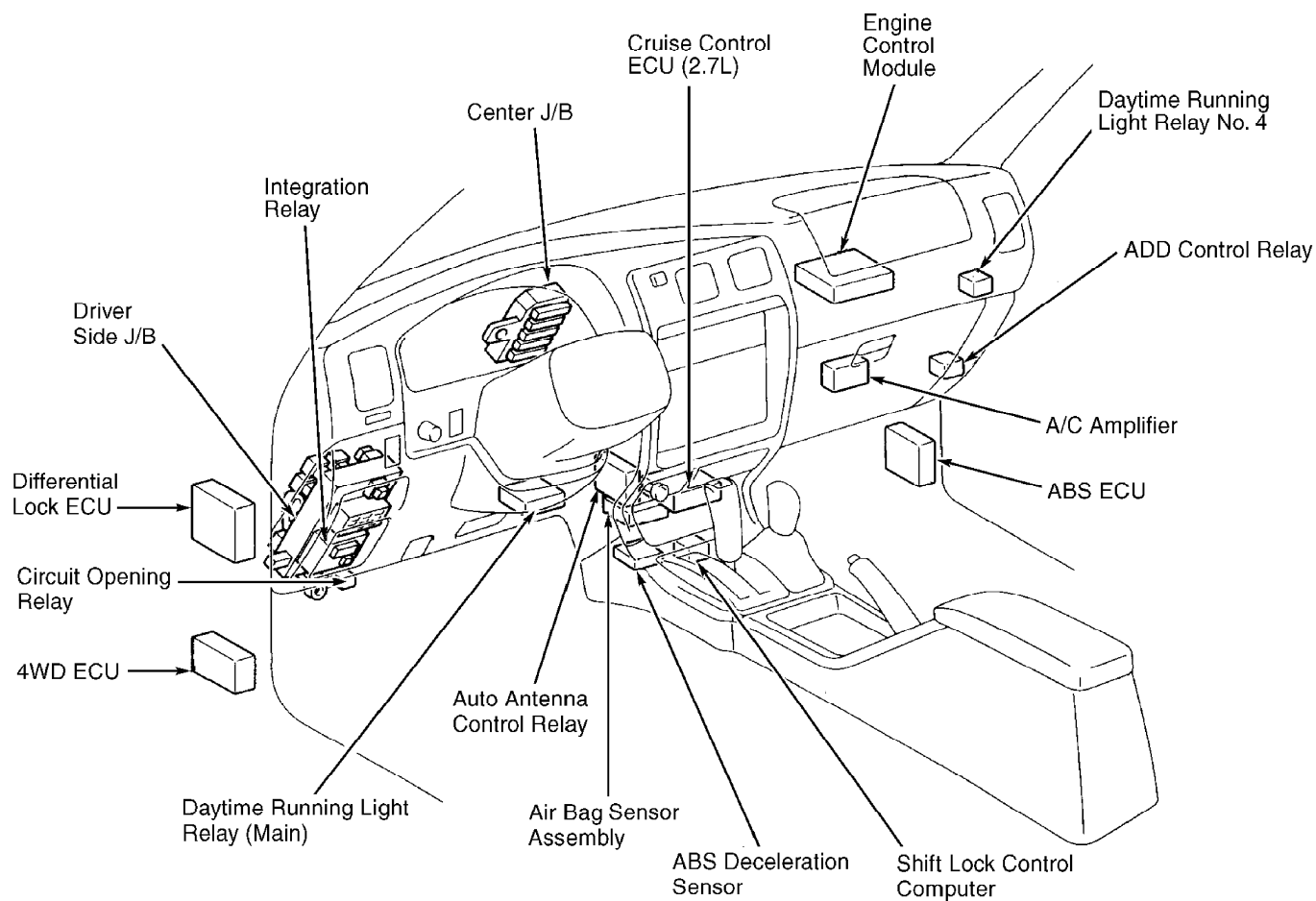
Circuit Opening Relay

Behind lower left side of dash.



98B02288
Daytime Running Light Relay
(Main)

Behind left side of dash,
right of steering column.



98B02288
Daytime Running Light Relay
No. 4

Behind right side of dash.

Defogger Relay

On driver side J/B.

DIMMER Relay (Canada)

On engine room R/B.

EFI Relay

On engine room R/B.

HEAD Relay

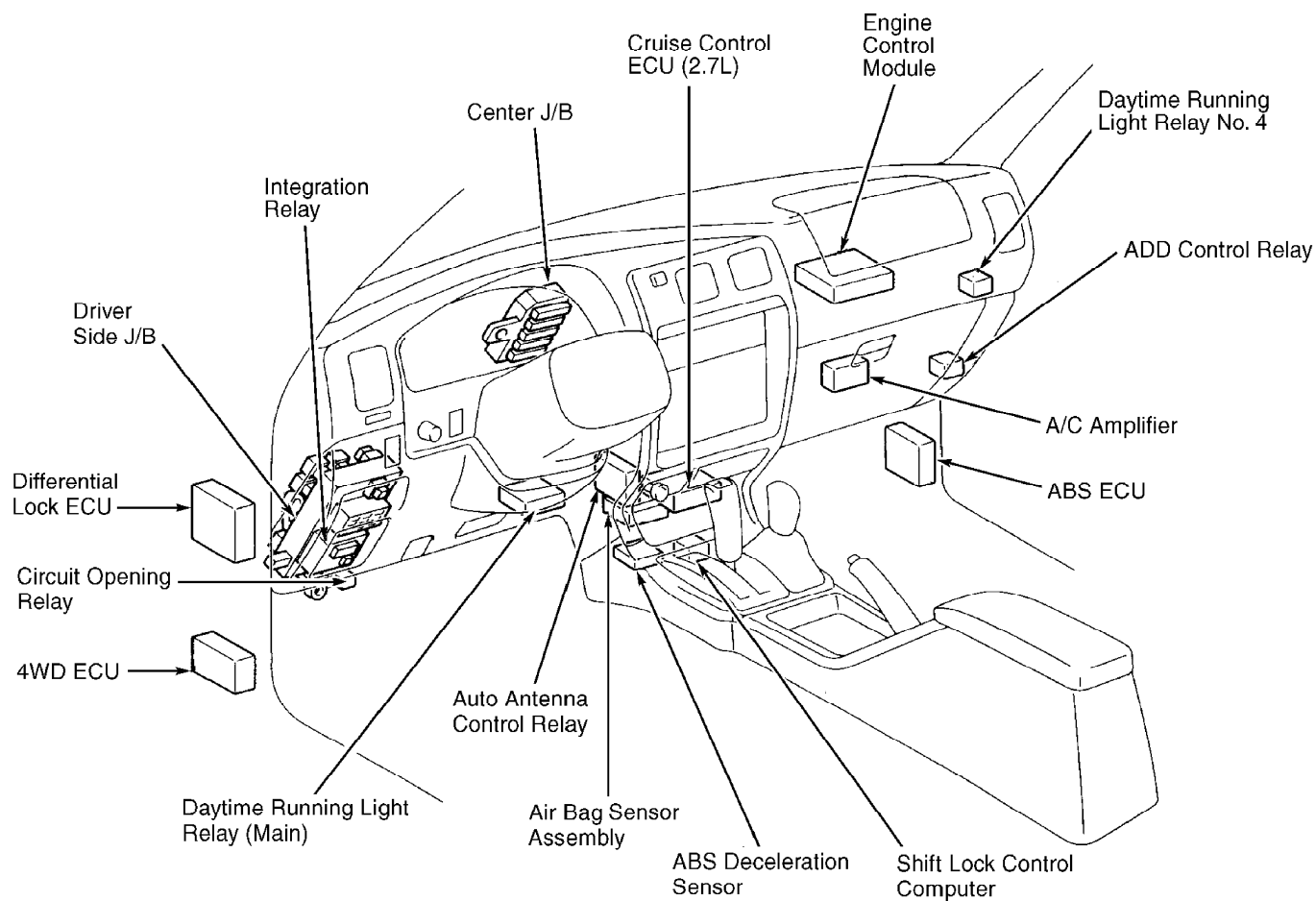
On engine room R/B.

HEATER Relay

On engine room R/B.

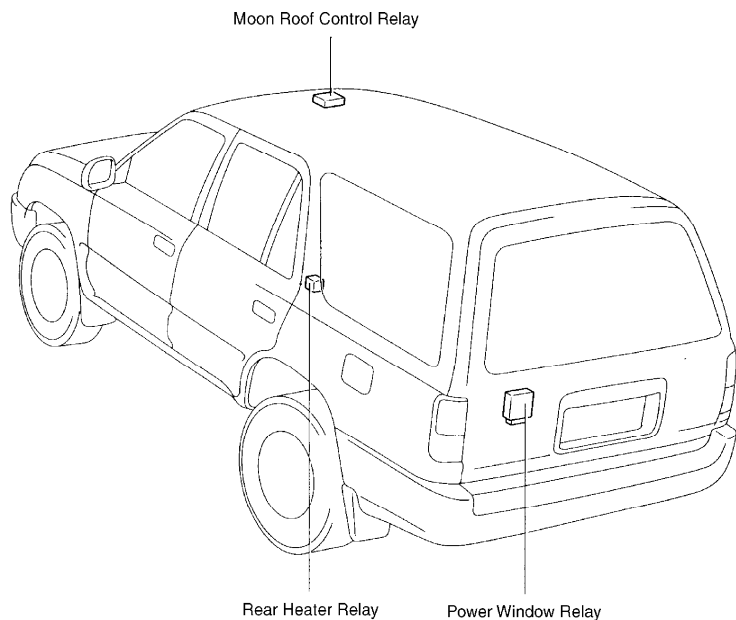
Horn Relay

On driver side J/B.



98B02288
Integration Relay

On driver side J/B.



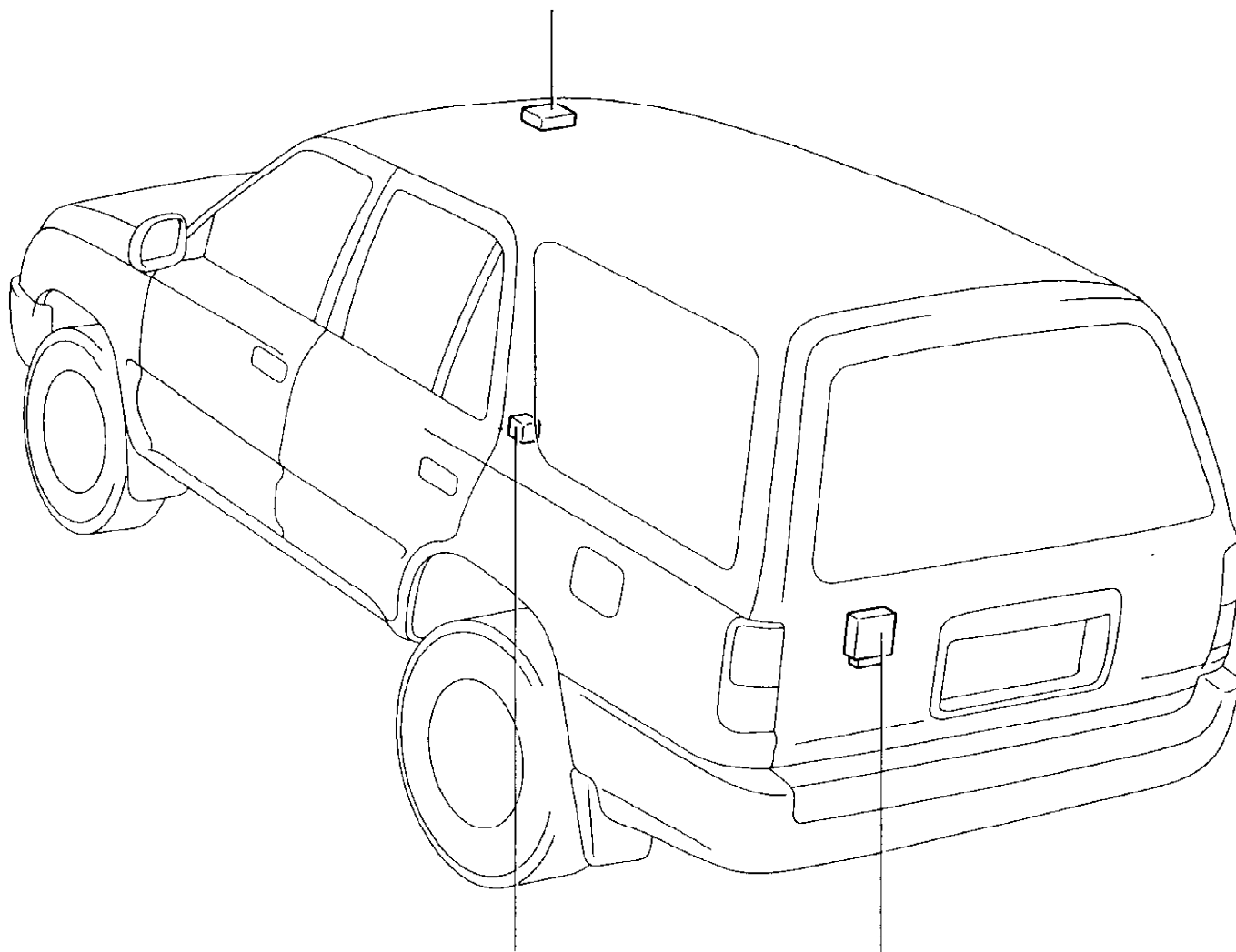
96J03710
Moon Roof Control Relay

Above headliner, on top front center of roof.

Power Relay

On driver side J/B.

Moon Roof Control Relay



Rear Heater Relay

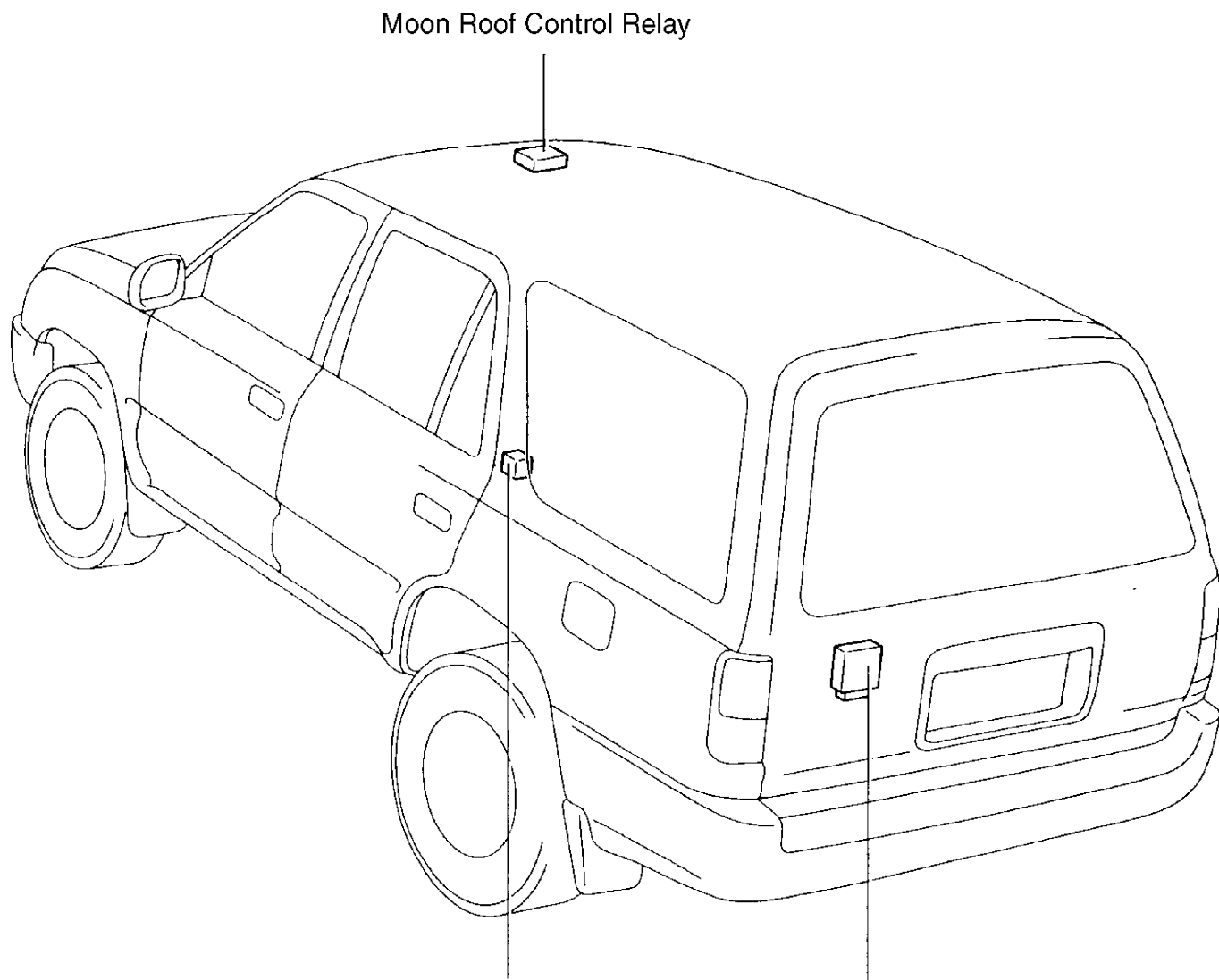
Power Window Relay

96J03710
Power Window Relay

On left side of back door.

PWR OUTLET Relay

On engine room R/B.



Moon Roof Control Relay

Rear Heater Relay

Power Window Relay

96J03710
Rear Heater Relay

On rear heater unit.

STARTER Relay

On engine room R/B.

TAIL Relay

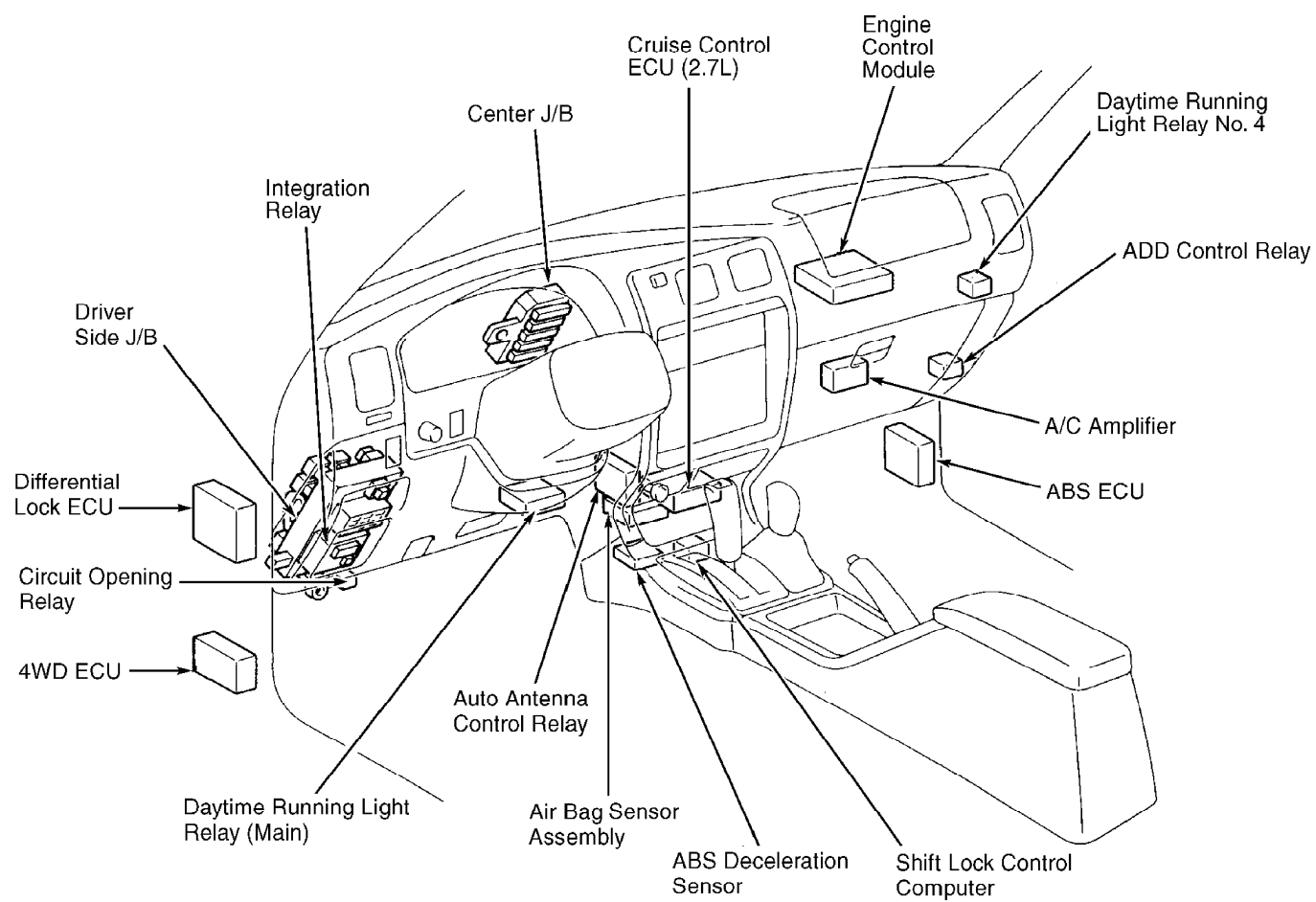
On engine room R/B.

Turn Signal Flasher

On driver side J/B.

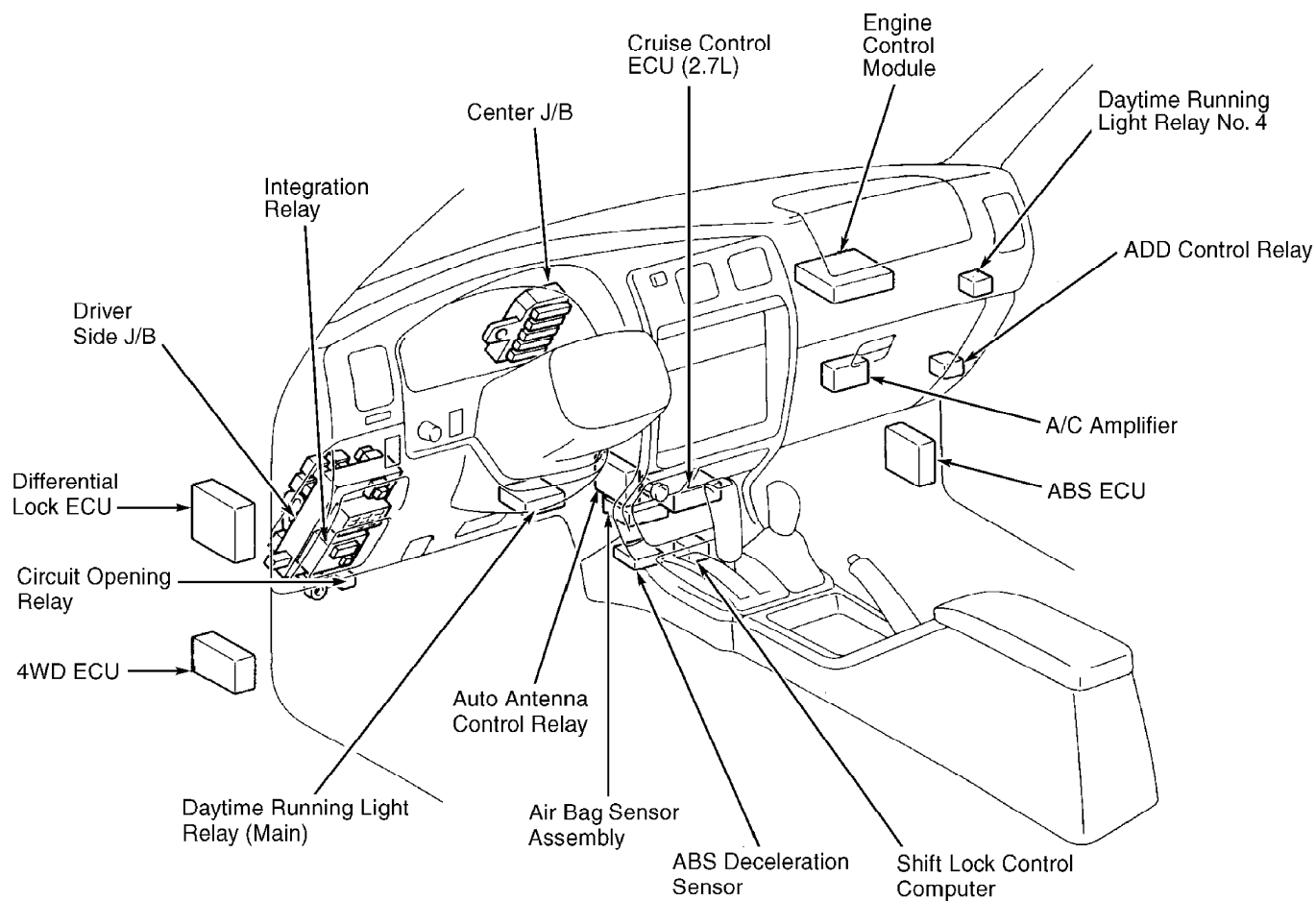
CIRCUIT PROTECTION DEVICES

Component	Component Location
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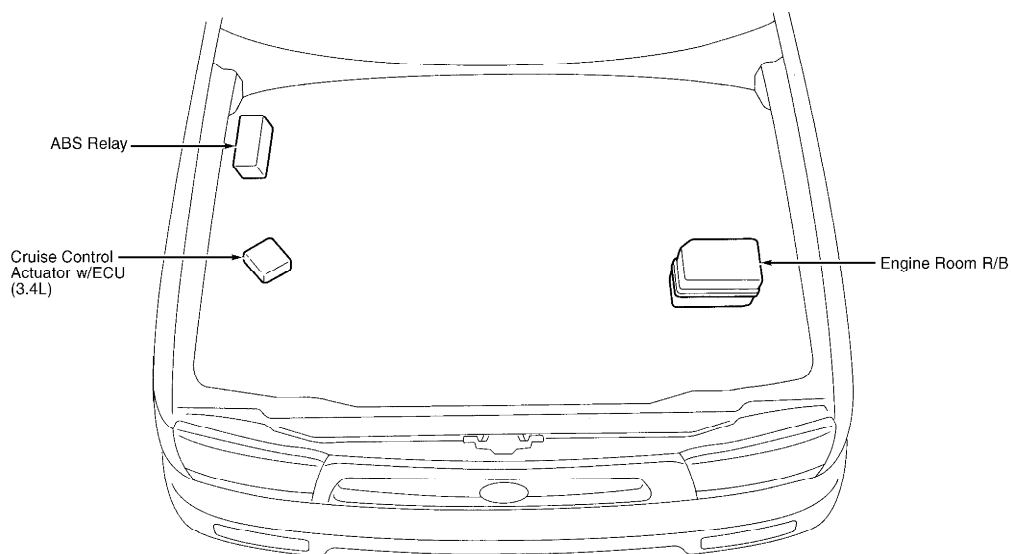
98B02288
Center J/B

Behind left side of dash,
to right of steering column.



98B02288
Driver Side J/B

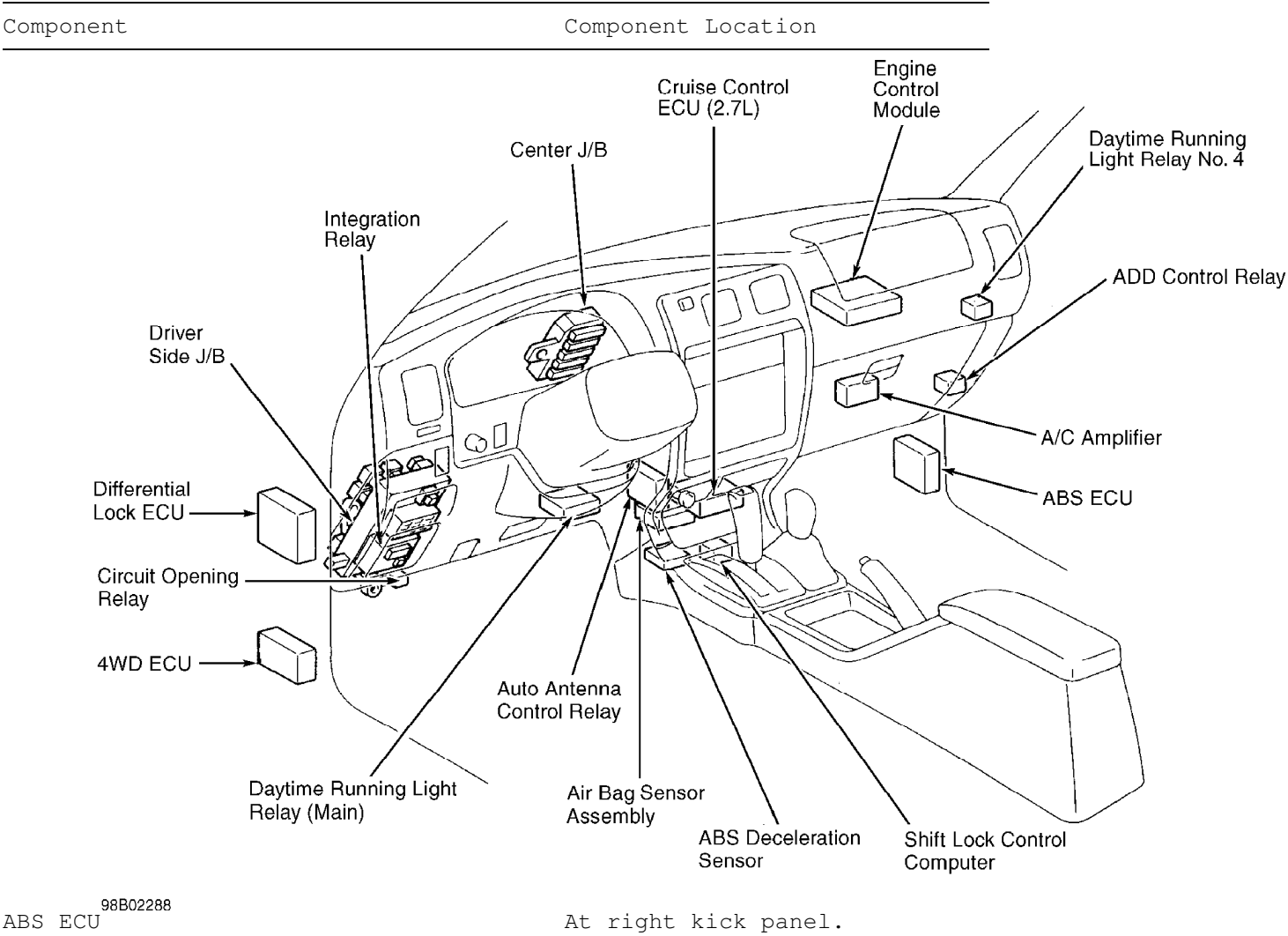
On lower left side of dash.

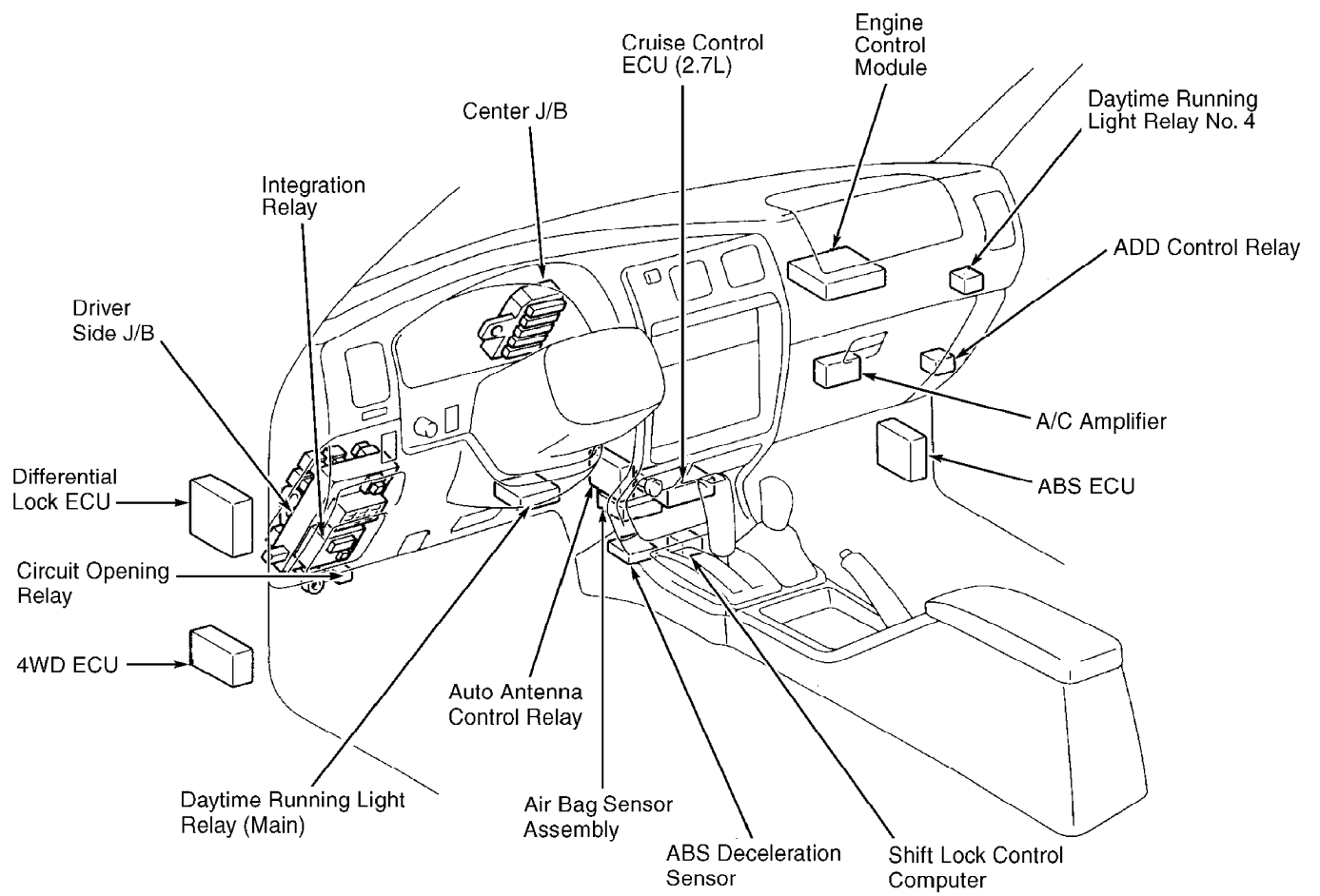


98H02286
Engine Room R/B

On left side of engine compartment, on inner fender panel.

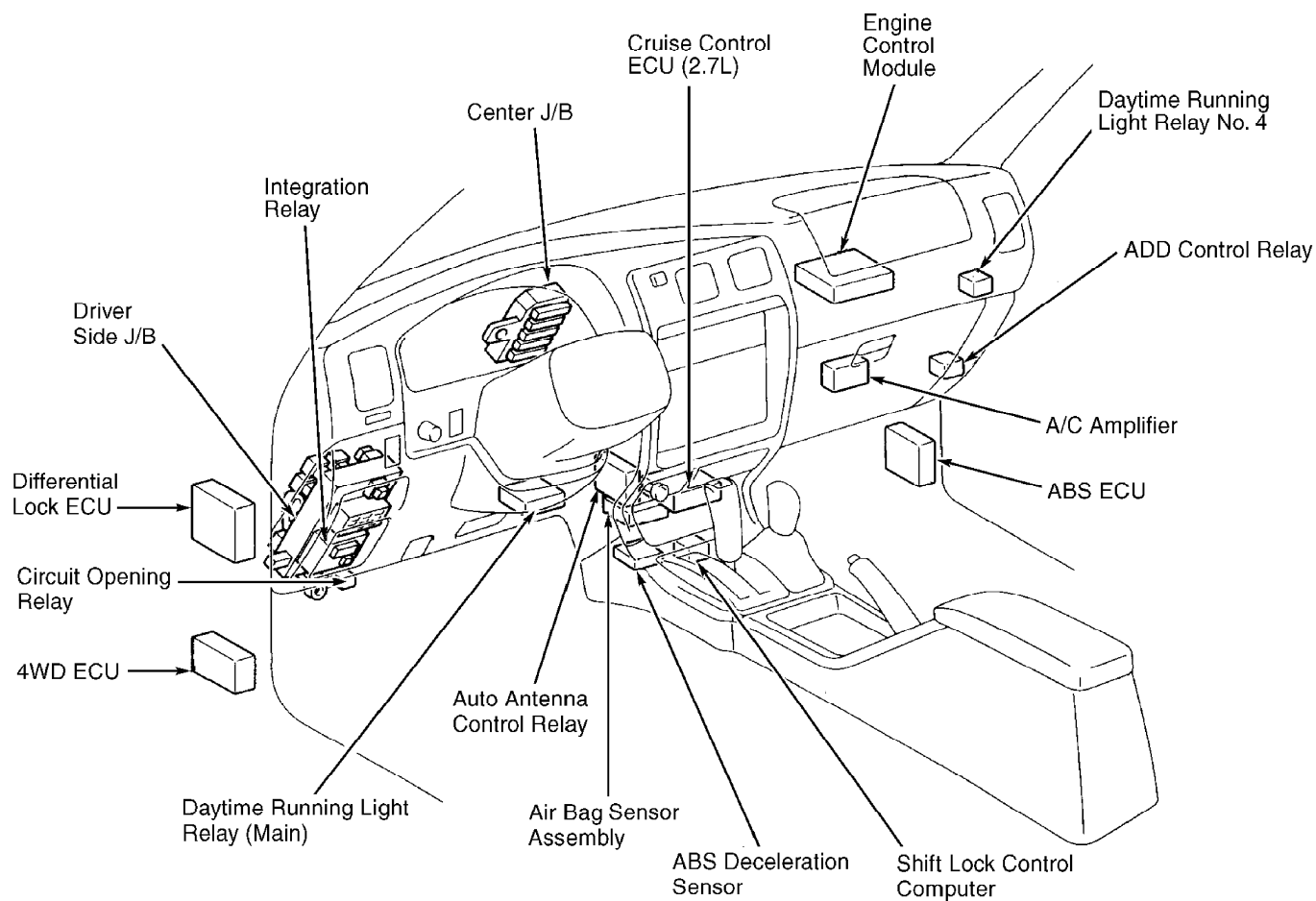
CONTROL UNITS





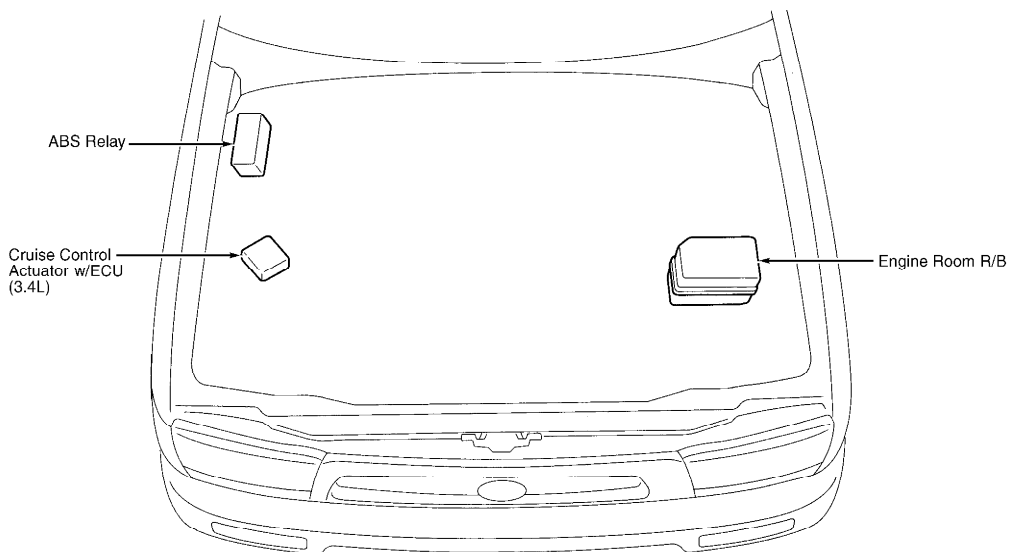
98B02288
A/C Amplifier

Behind right side of dash.



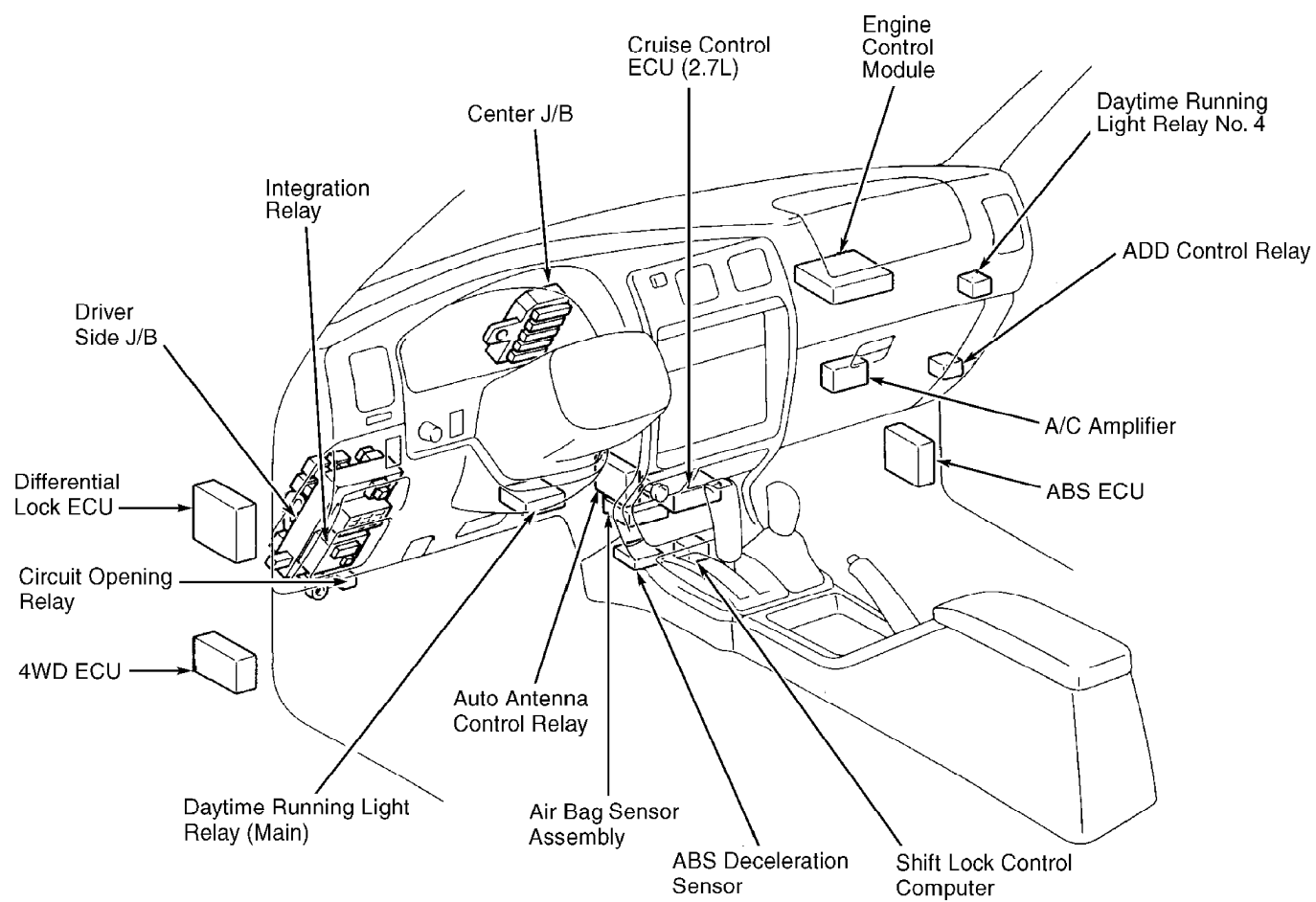
98B02288
Air Bag Sensor Assembly

Behind lower center of dash.



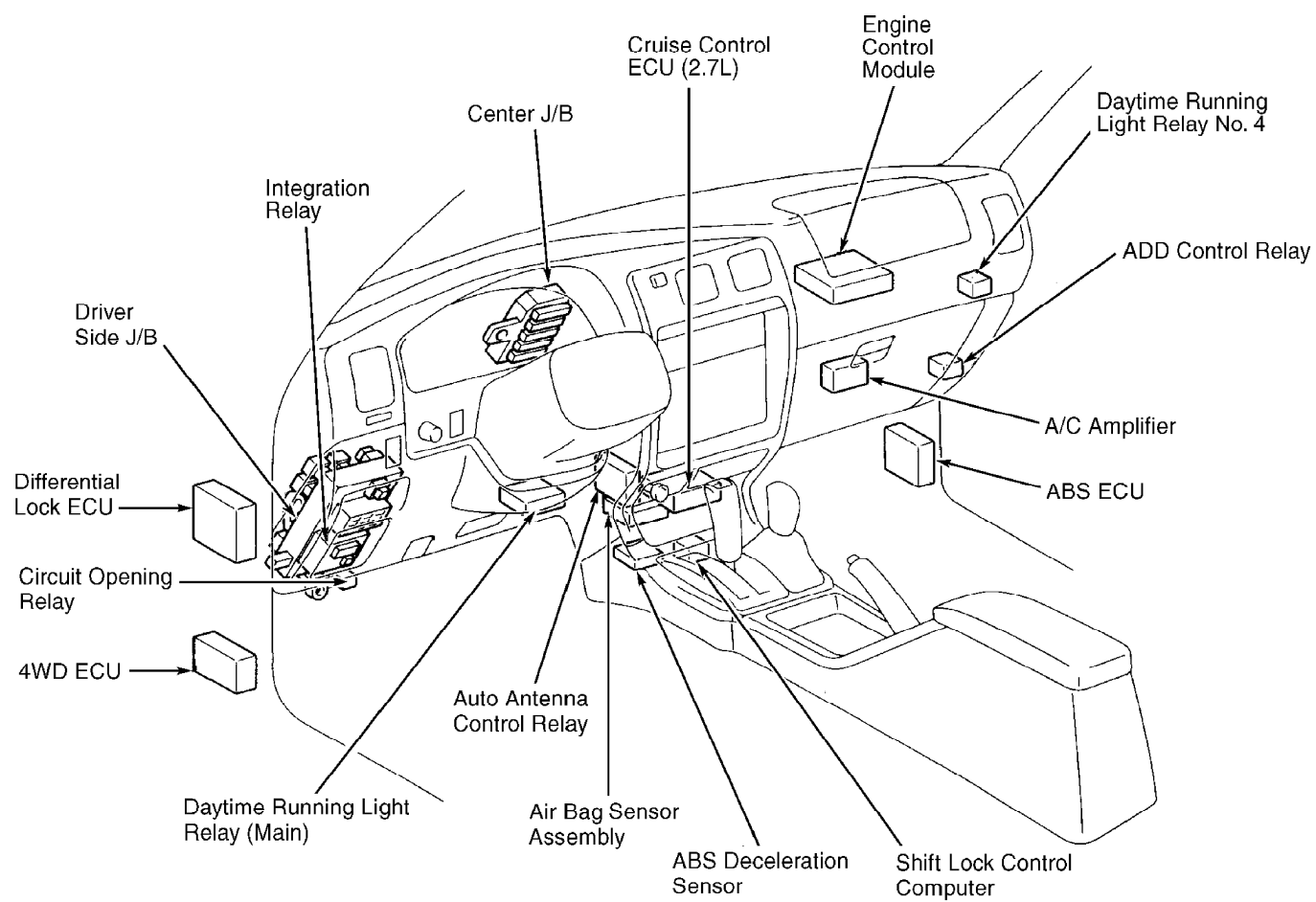
98H02286
Cruise Control Actuator With ECU

On right side of engine compartment.



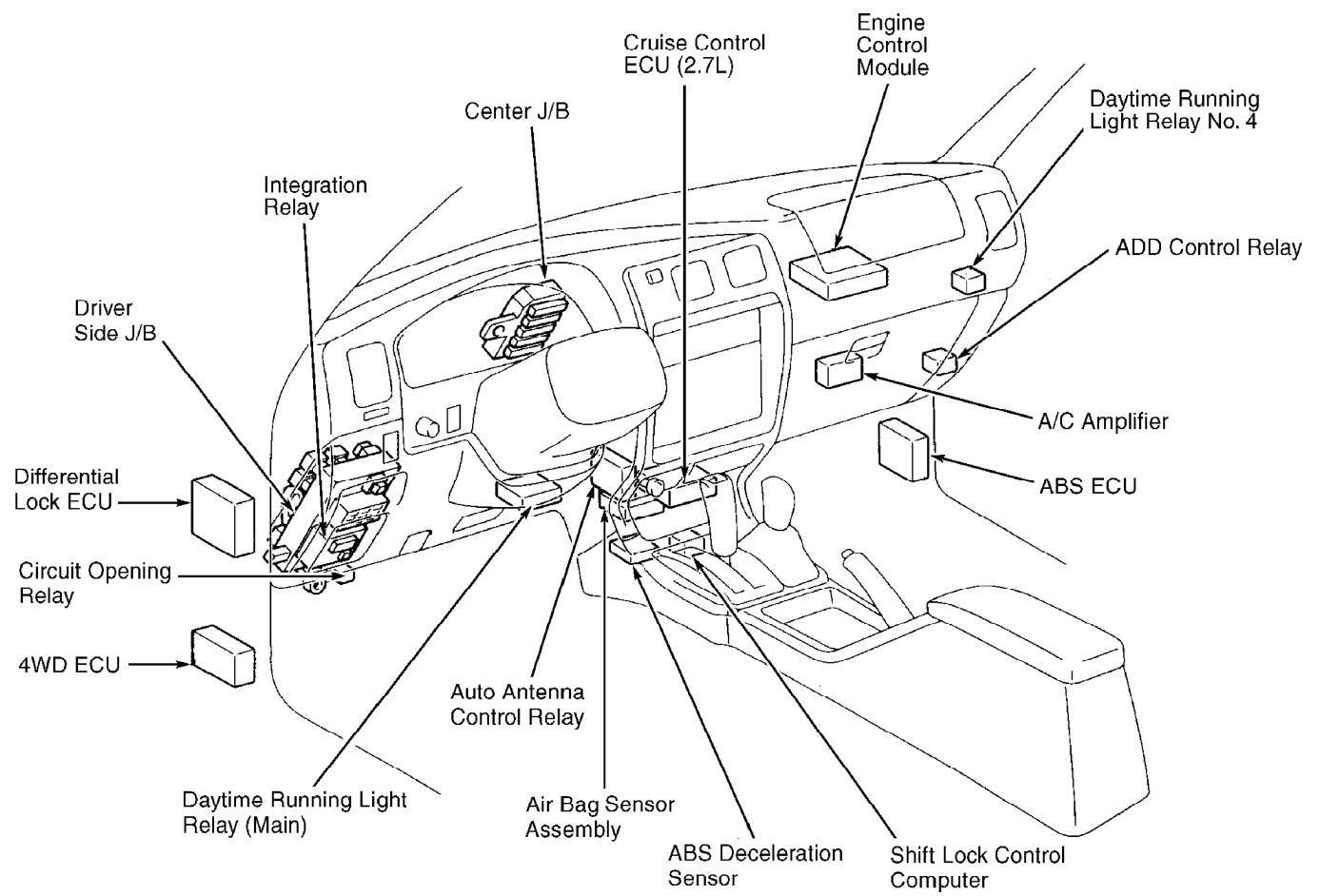
98B02288
Differential Lock ECU

At left kick panel.



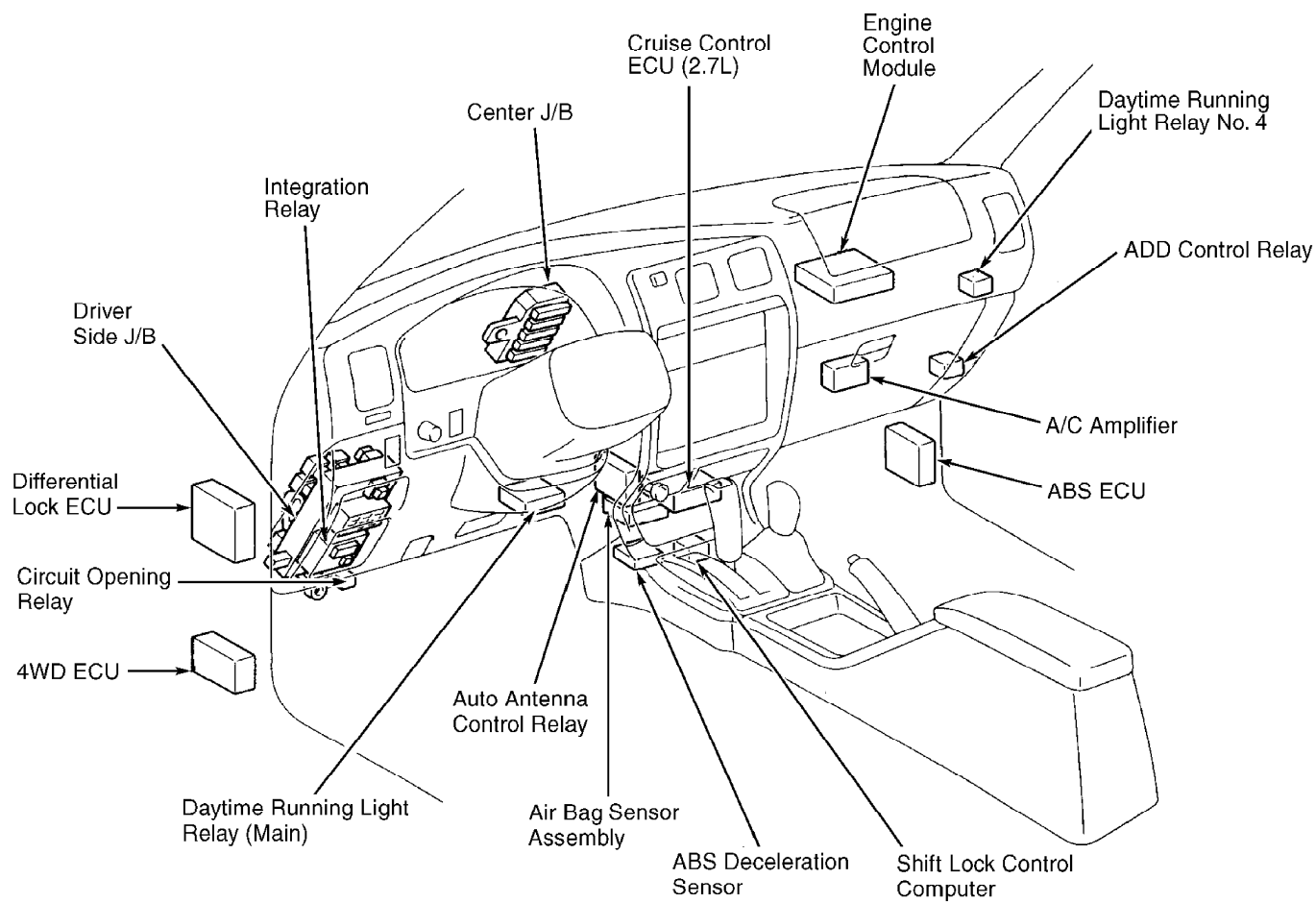
98B02288
Engine Control Module

Behind right side of dash.



98B02288
Shift Lock Control Computer

Under center of dash, near
front of center console.



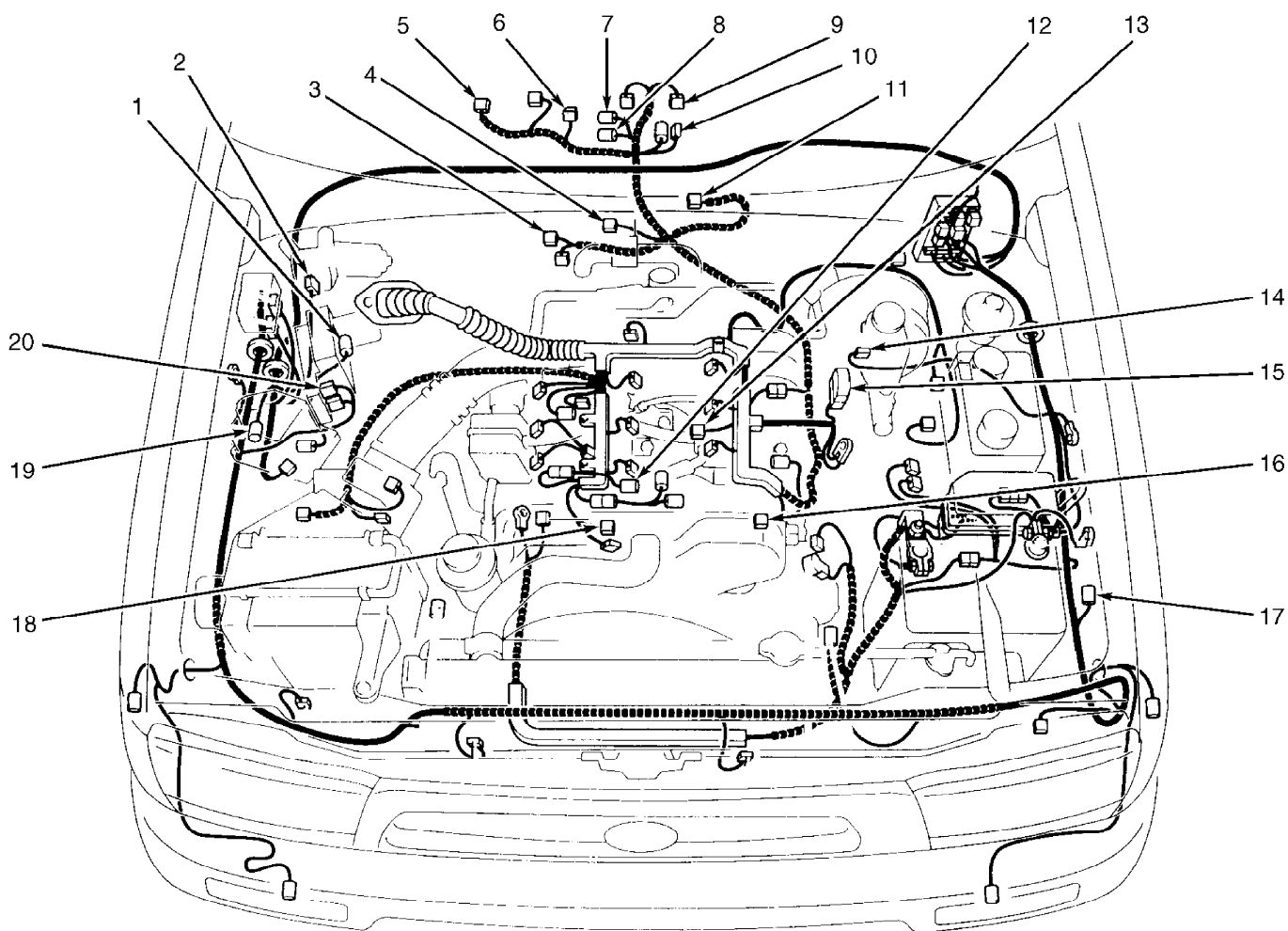
98B02288
4WD ECU

At left kick panel.

MOTORS

Component

Component Location



3.4L

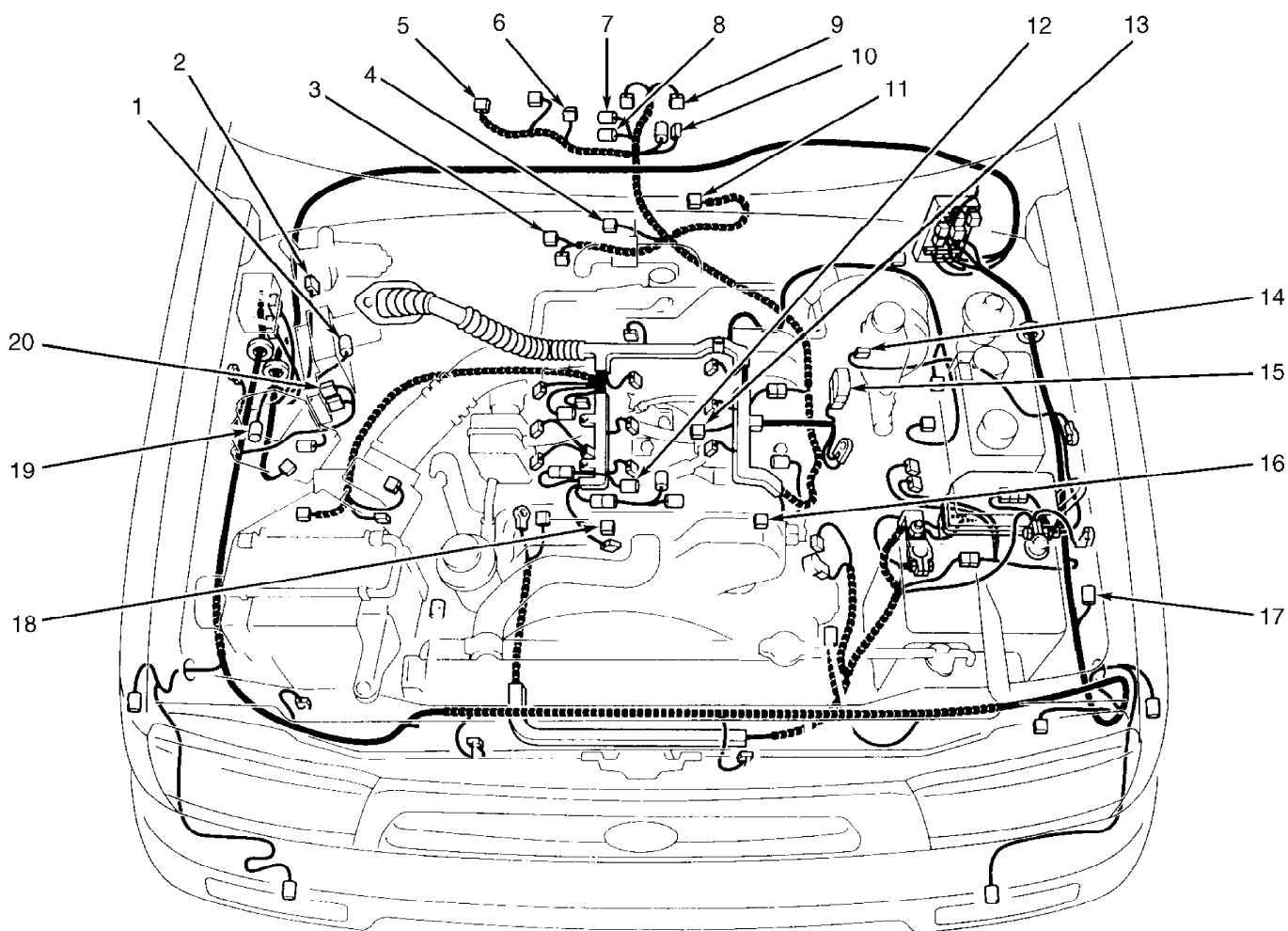
- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
Auto Antenna Motor

On right side fender panel.

Blower Motor

Behind right side of dash.



3.4L

- | | |
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| | 20. ABS Actuator |

98D02294
Front Wiper Motor

On right side of firewall.

Fuel Sender & Fuel Pump

In fuel tank.

Moon Roof Control Motor & Limit
Switch

Above headliner, front center
of roof.

Rear Differential Lock Motor

Under vehicle, on

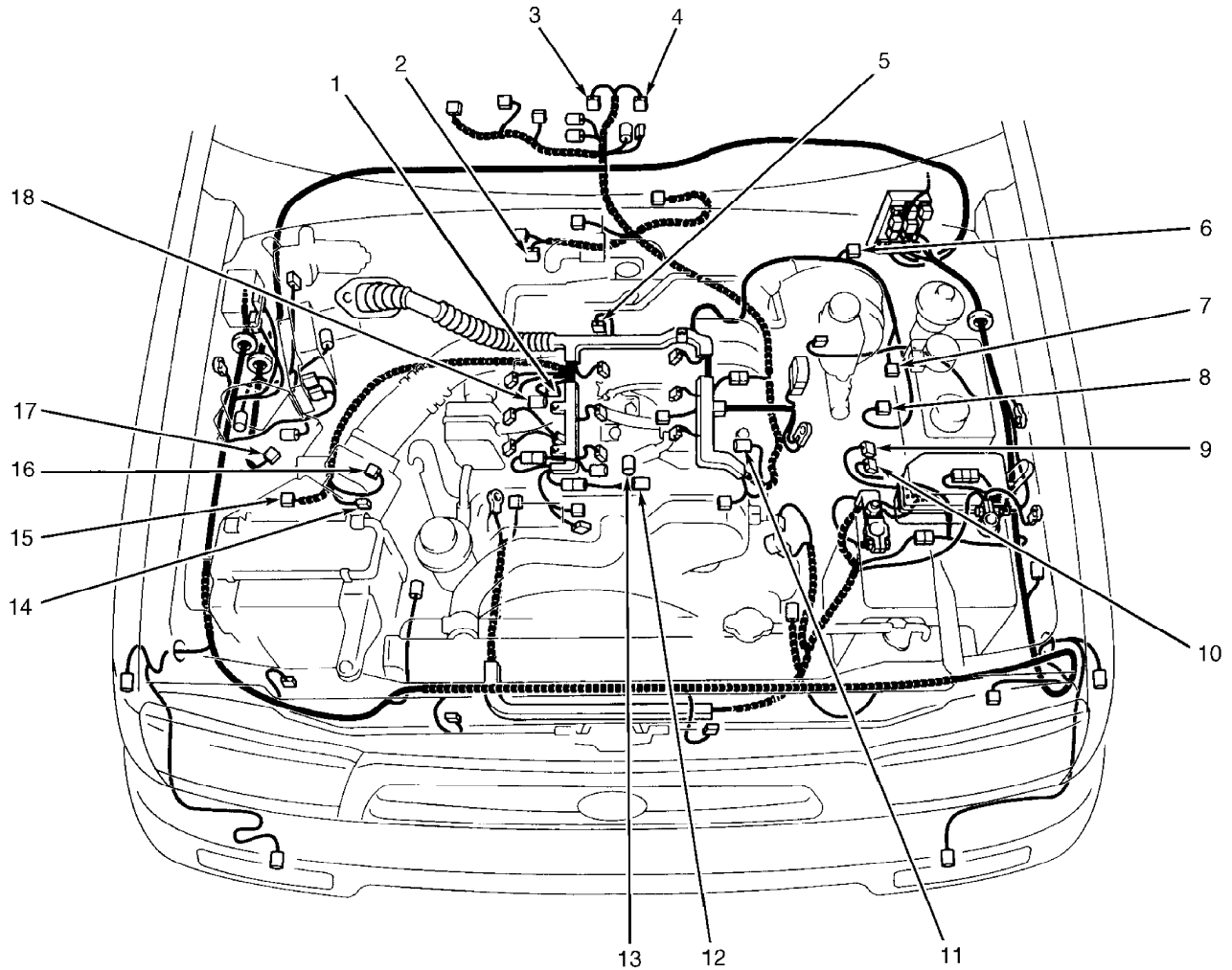
differential.

Rear Heater Blower Motor

On rear heater unit.

Rear Wiper Motor

On top center of back door.



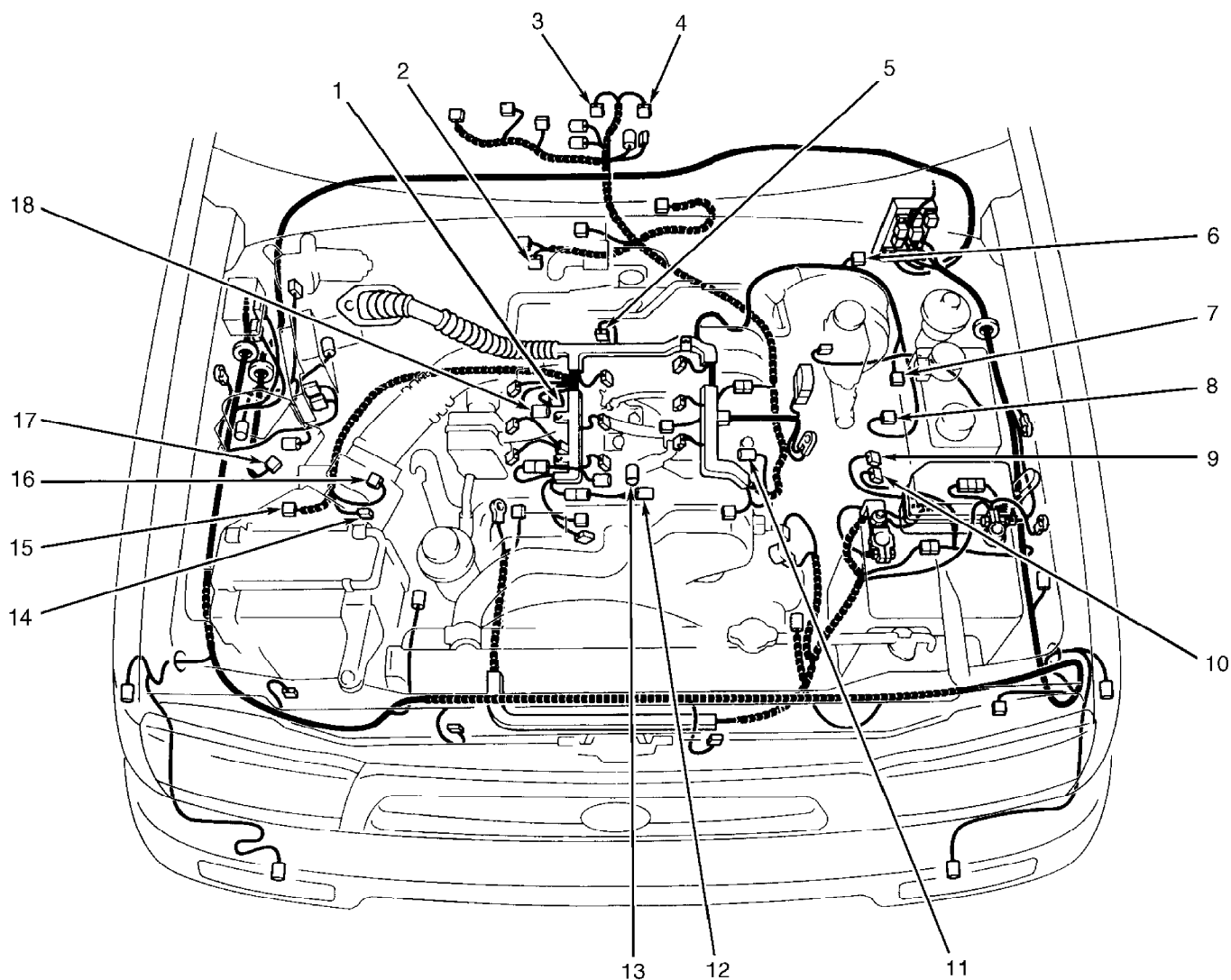
3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296

Washer Motor (USA)

On right side inner fender
panel.

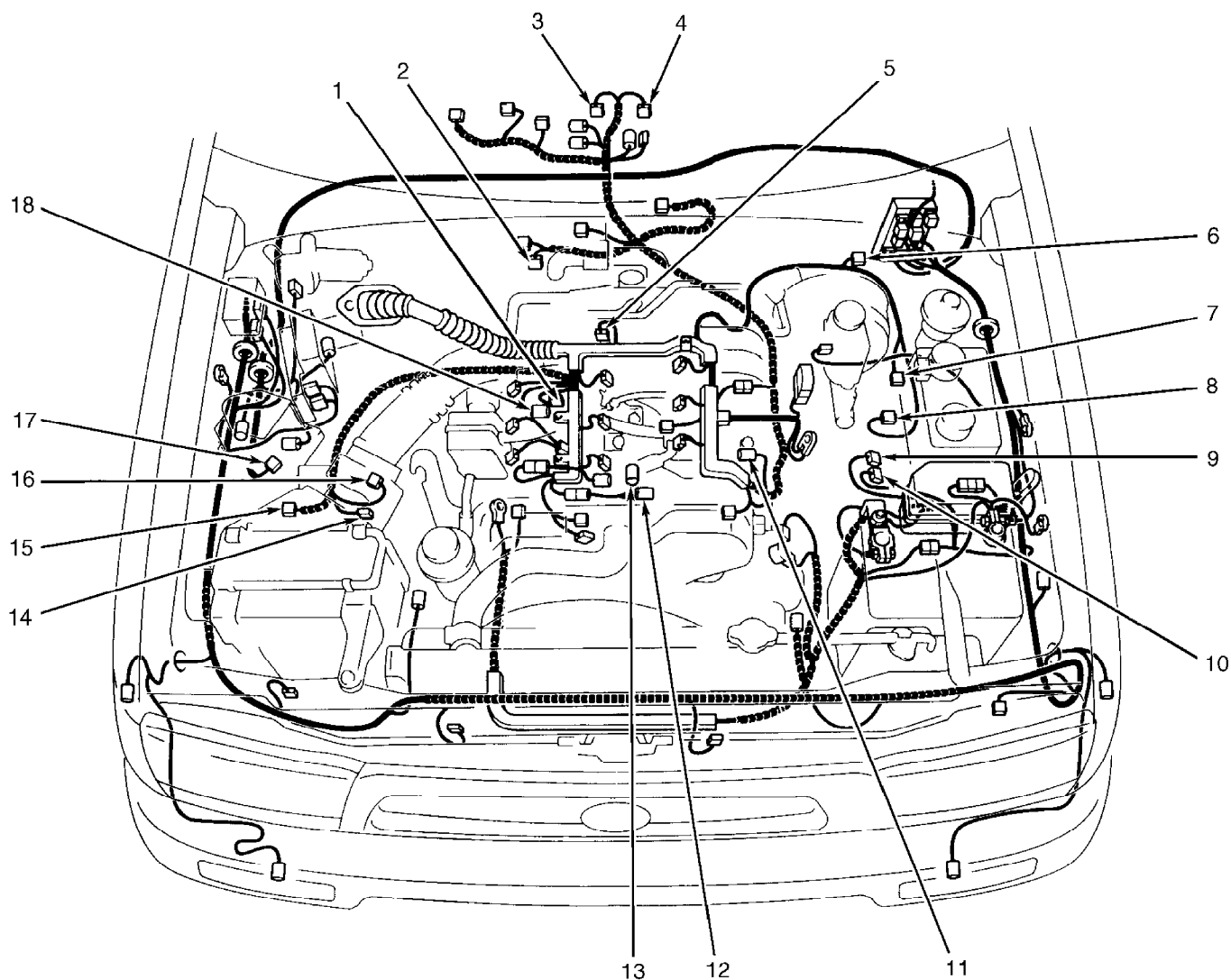


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| 7. VSV (EVAP) | Washer Motor & Washer Level |
| 8. VSV (Vapor Pressure Sensor) | Warning Switch (Canada) |
| 9. VSV (2WD, ADD) | 18. Idle Air Control Valve |
| 10. VSV (4WD, ADD) | |

98102296
Washer Motor & Washer Level
Warning Switch (Canada)

On right side inner fender
panel.



3.4L

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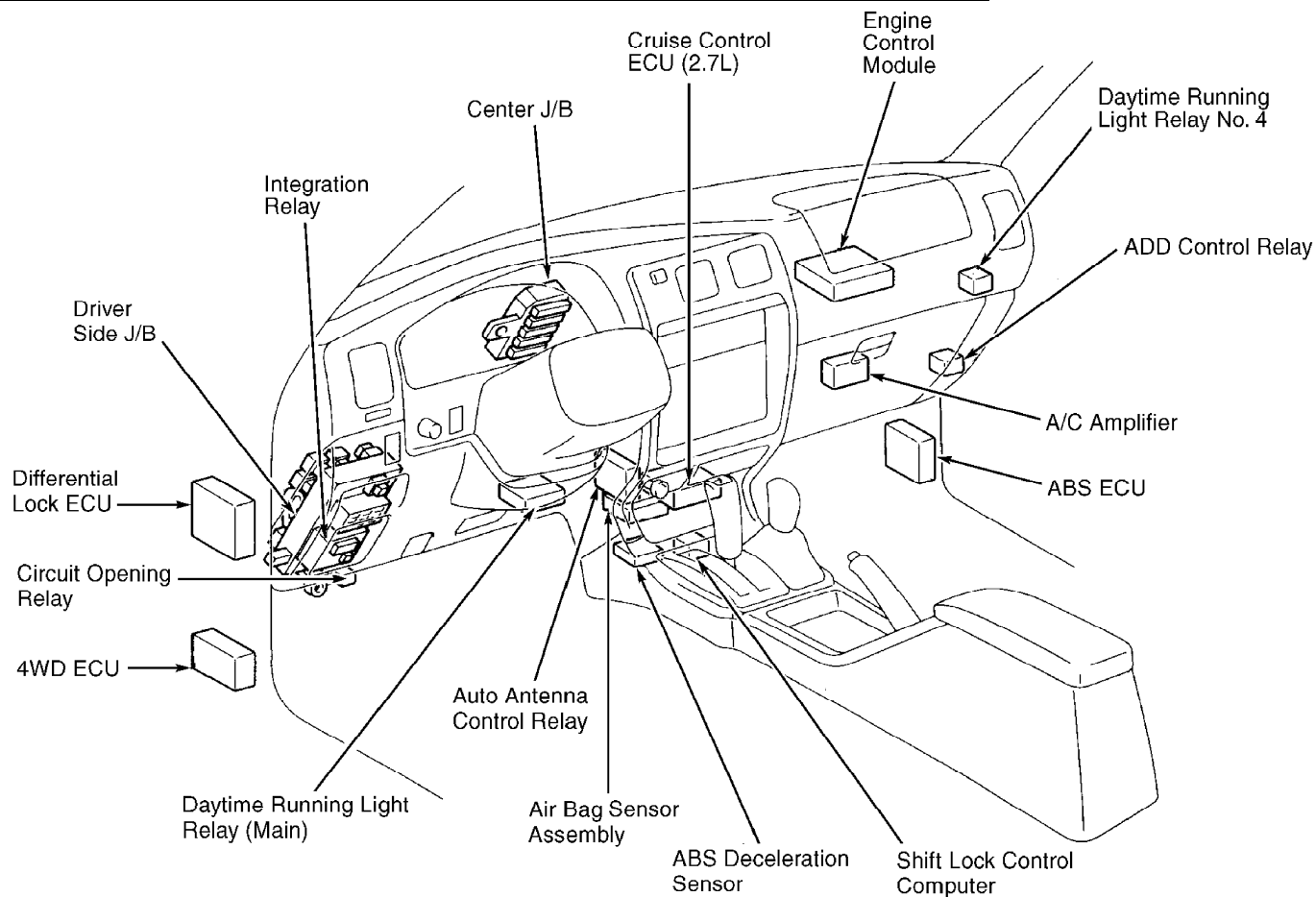
98102296
2-4 Select Motor

On transmission/transfer case
assembly.

SENDING UNITS & SENSORS

Component

Component Location



98B02288

ABS Deceleration Sensor

Behind center of dash,
front of center console.

ABS Speed Sensor (Front Left)

On left front wheel
hub/spindle assembly.

ABS Speed Sensor (Front Right)

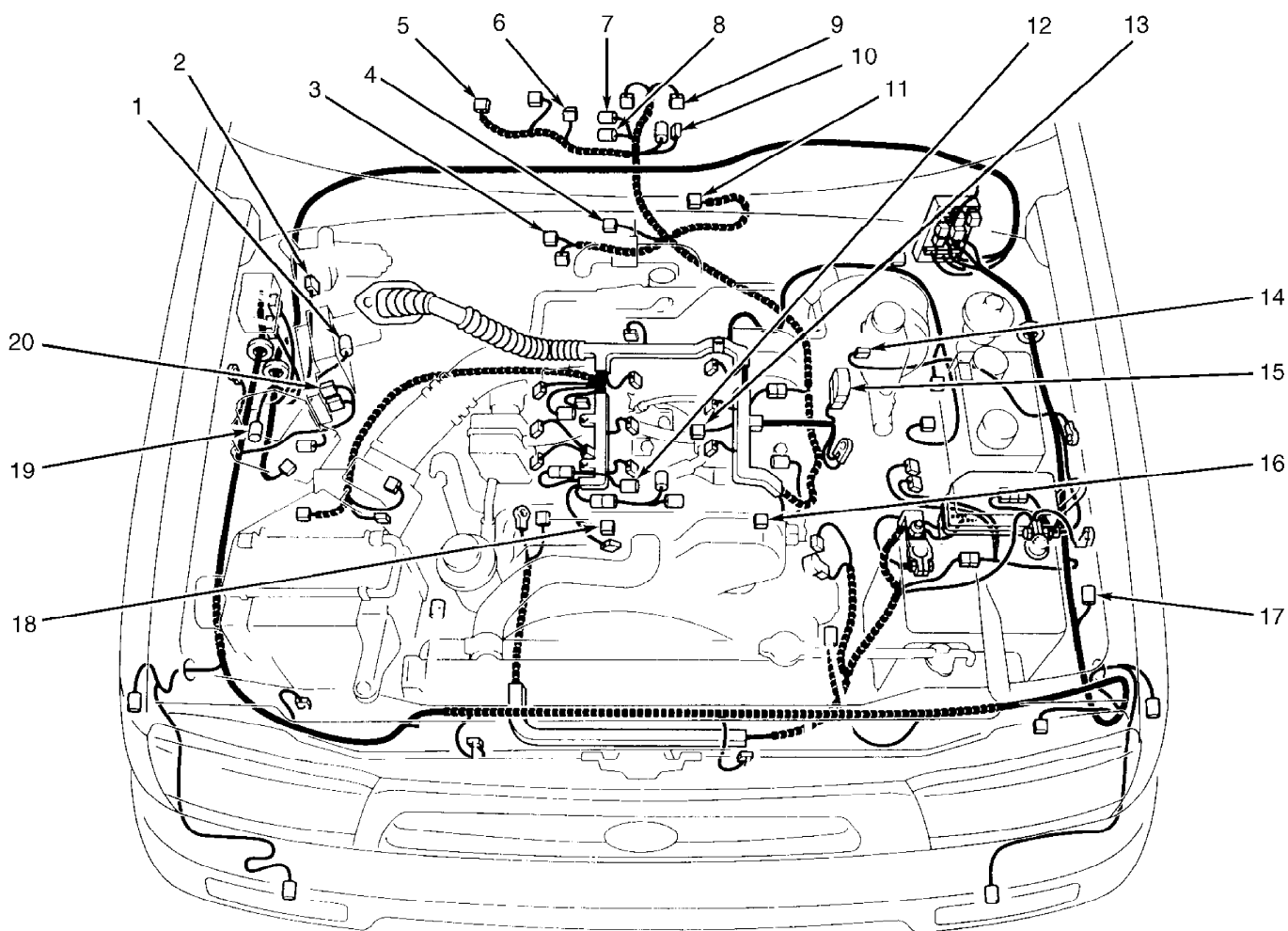
On right front wheel
hub/spindle assembly.

ABS Speed Sensor (Rear Left)

On left rear wheel hub/spindle
assembly.

ABS Speed Sensor (Rear Right)

On right rear wheel
hub/spindle assembly.



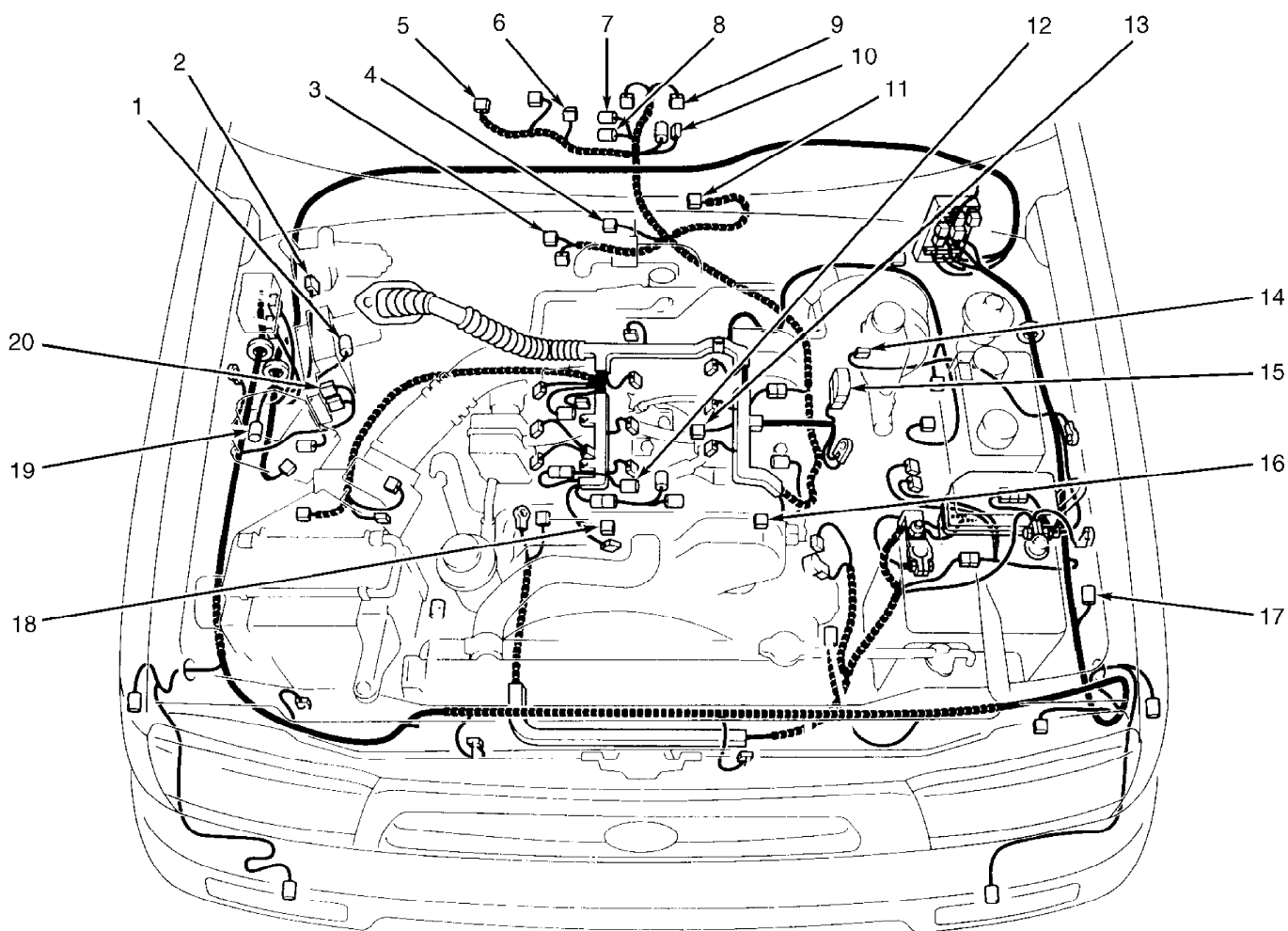
3.4L

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| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
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| 6. Detection Switch (Transfer 4WD Position)
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| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294

A/T Fluid Temperature Sensor

On transmission.

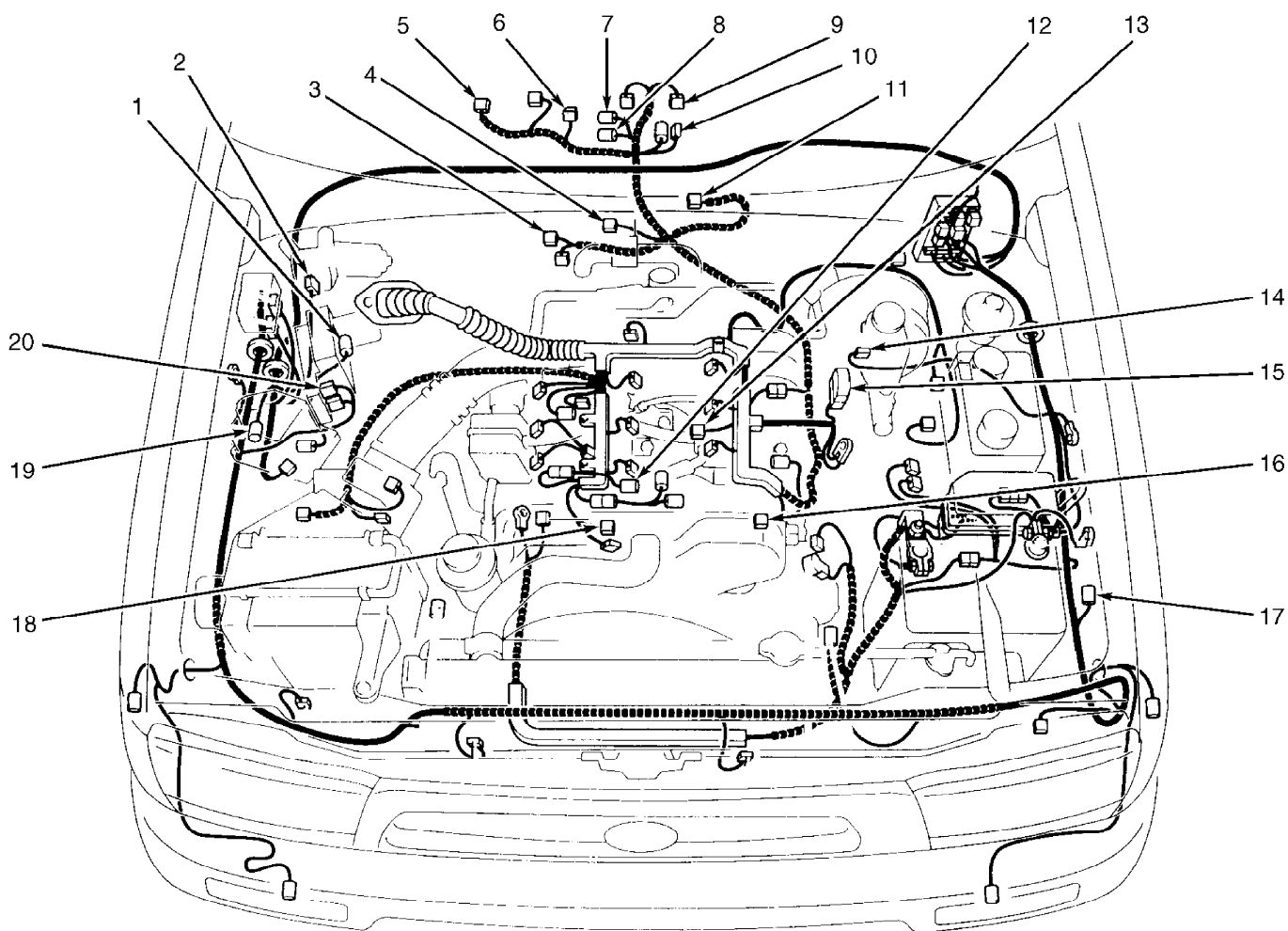


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98D02294
Camshaft Position Sensor

On top front of engine.

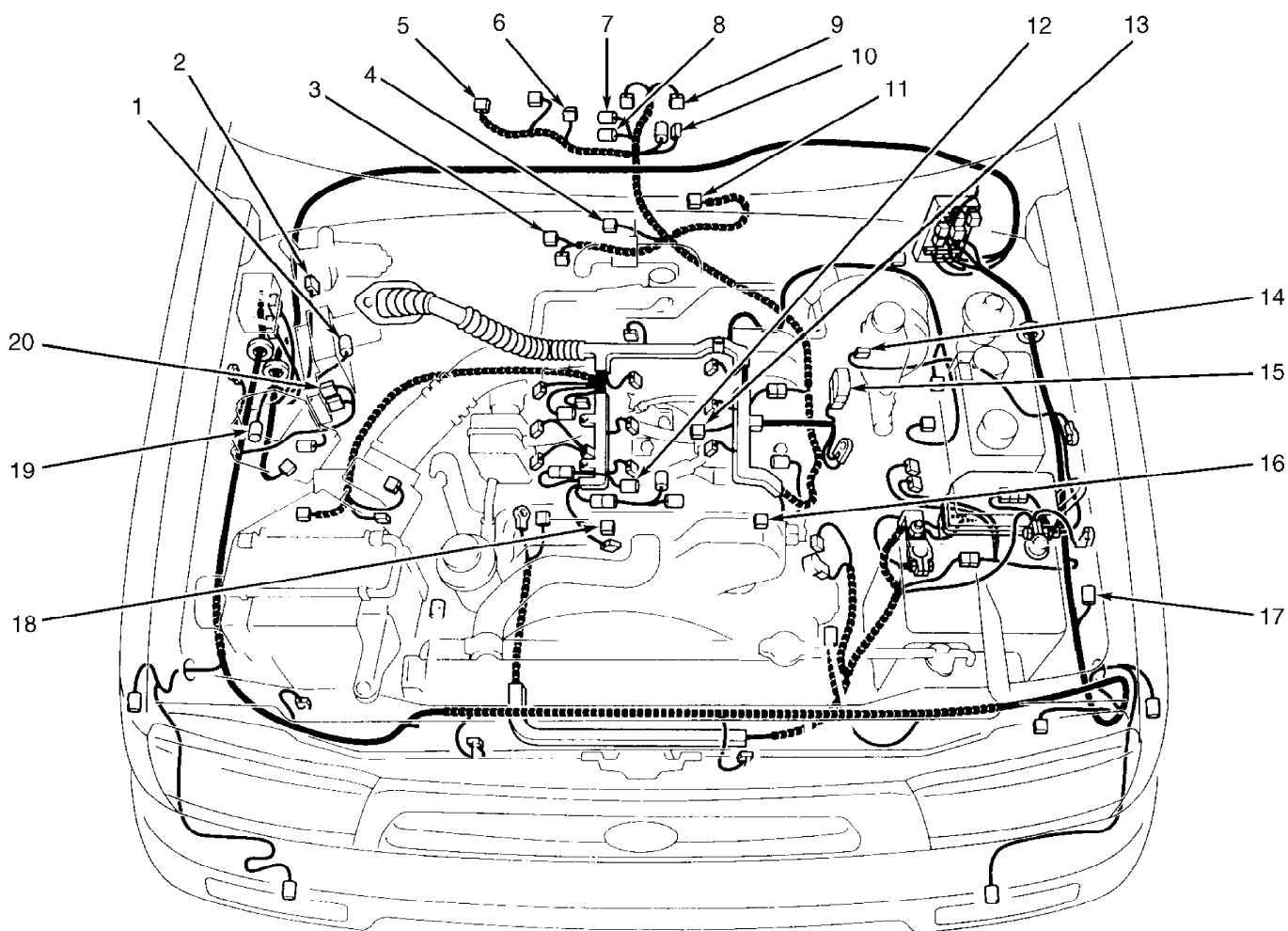


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98D02294
Crankshaft Position Sensor

On front of engine.



3.4L

- | | |
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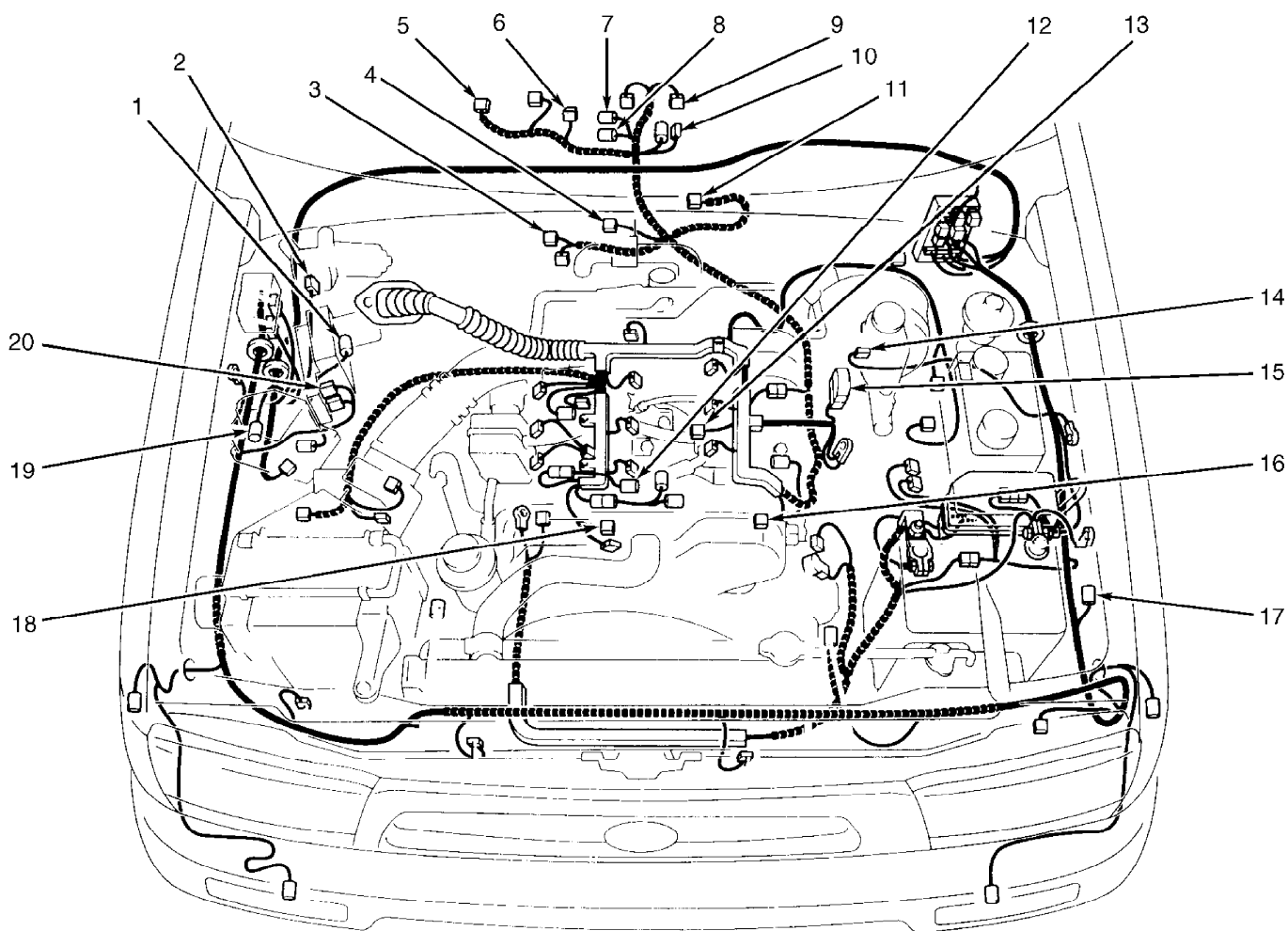
98D02294

Engine Coolant Temperature
Sensor

On top front of engine.

Fuel Sender & Fuel Pump

In fuel tank.

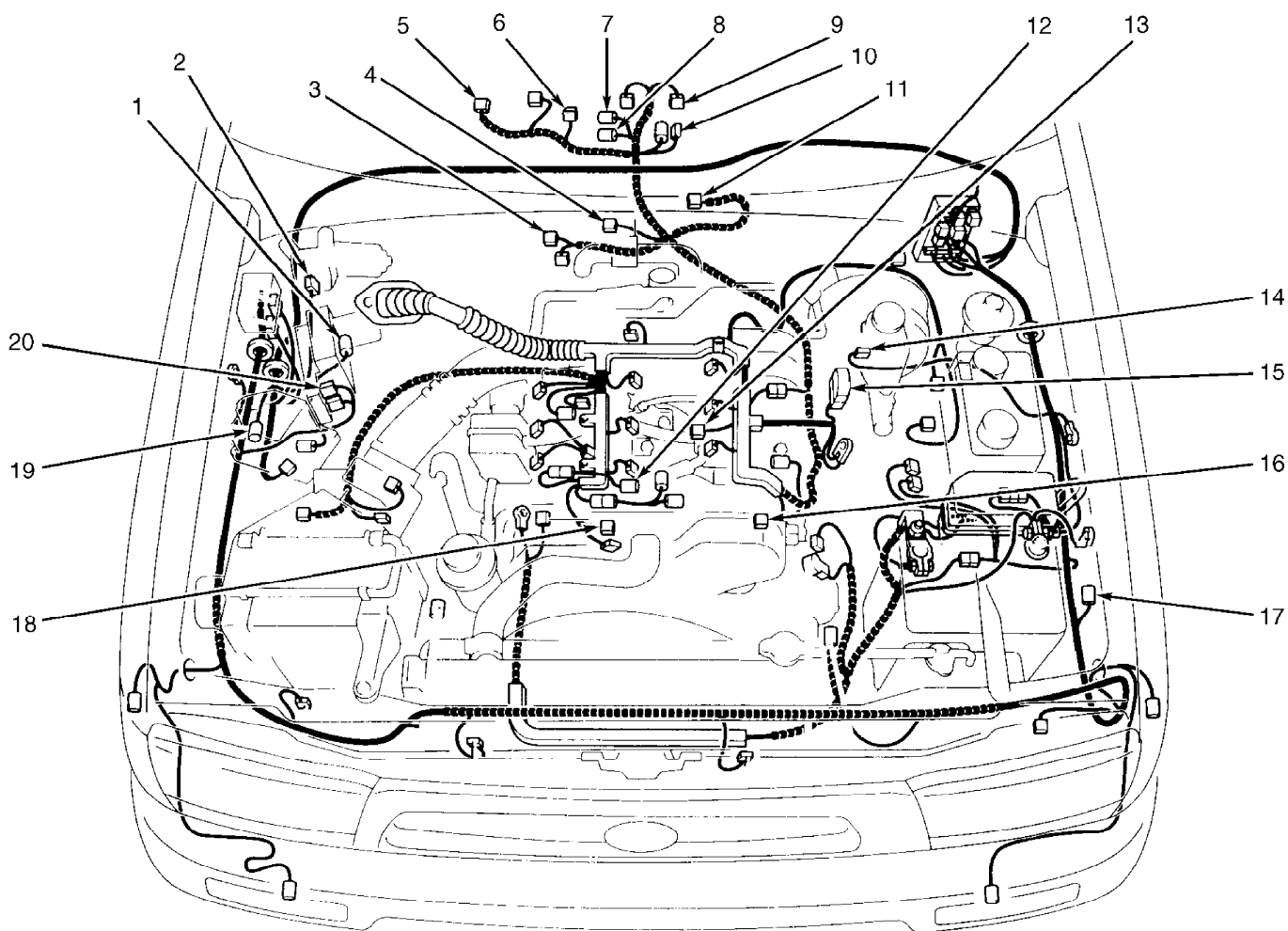


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98D02294
Heated Oxygen Sensor
(Bank 1 Sensor 1)

Rear underside of engine
compartment, in exhaust.

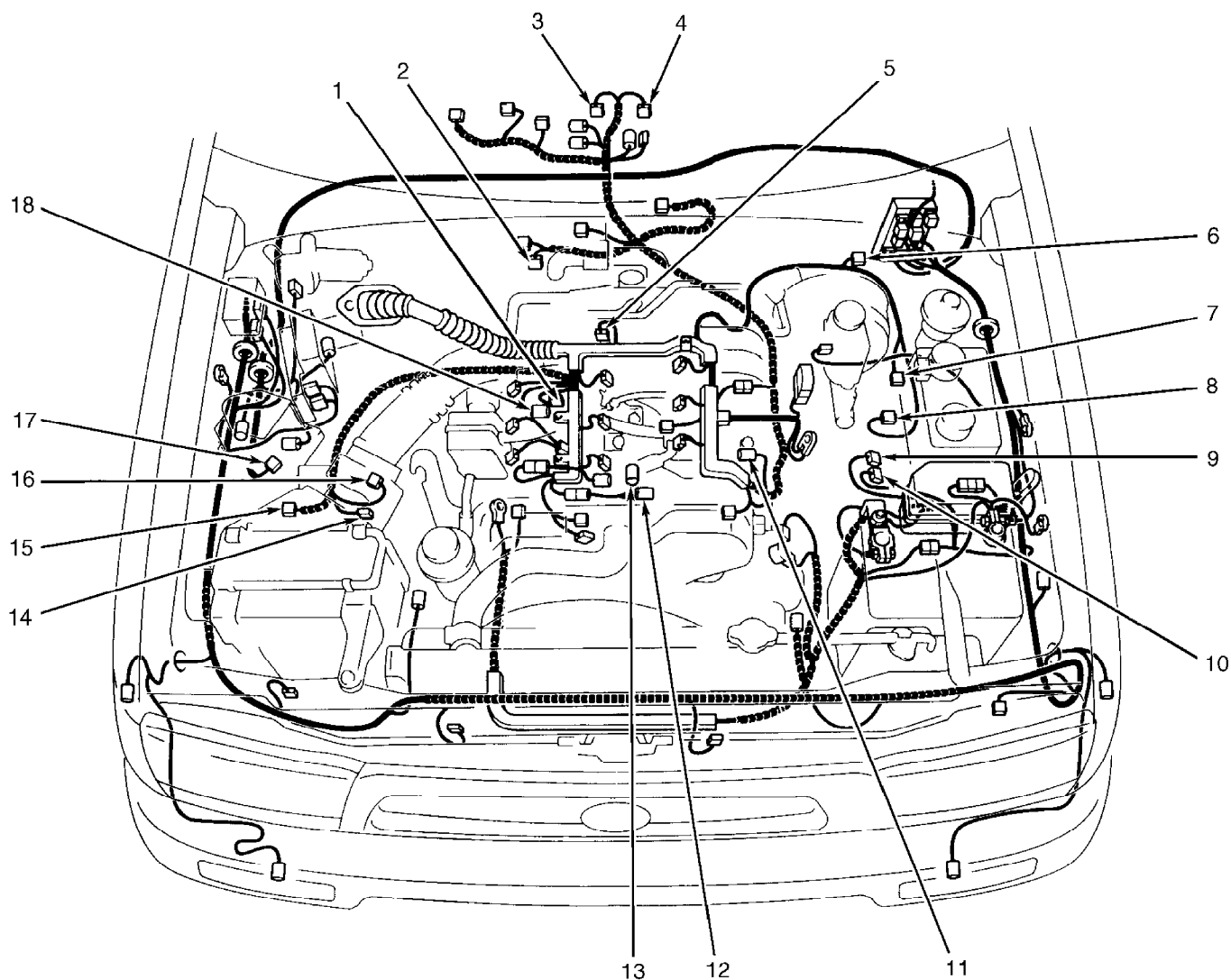


3.4L

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98D02294
Heated Oxygen Sensor (Bank 1
Sensor 2)

Underside of vehicle, in
exhaust.

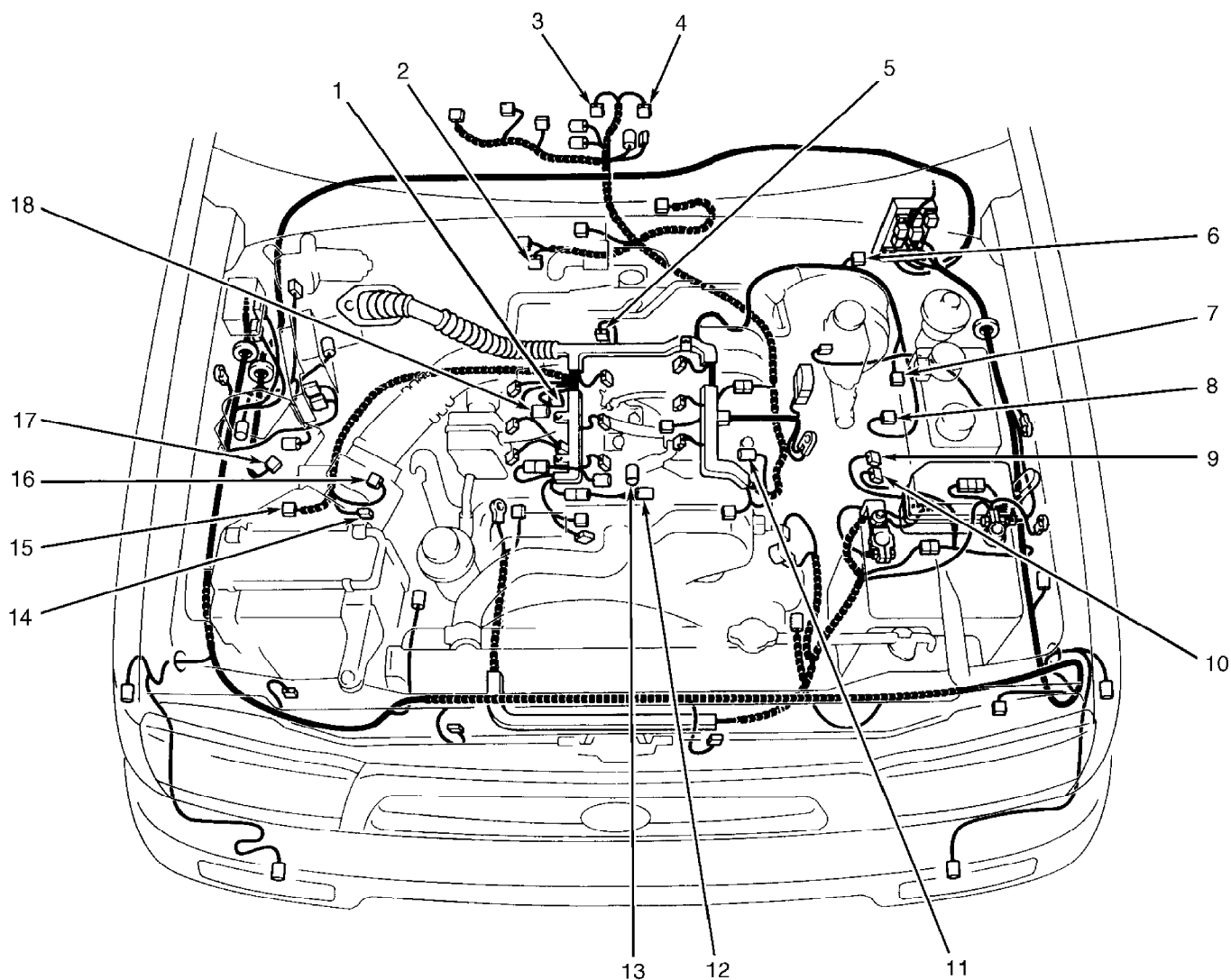


3.4L

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| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

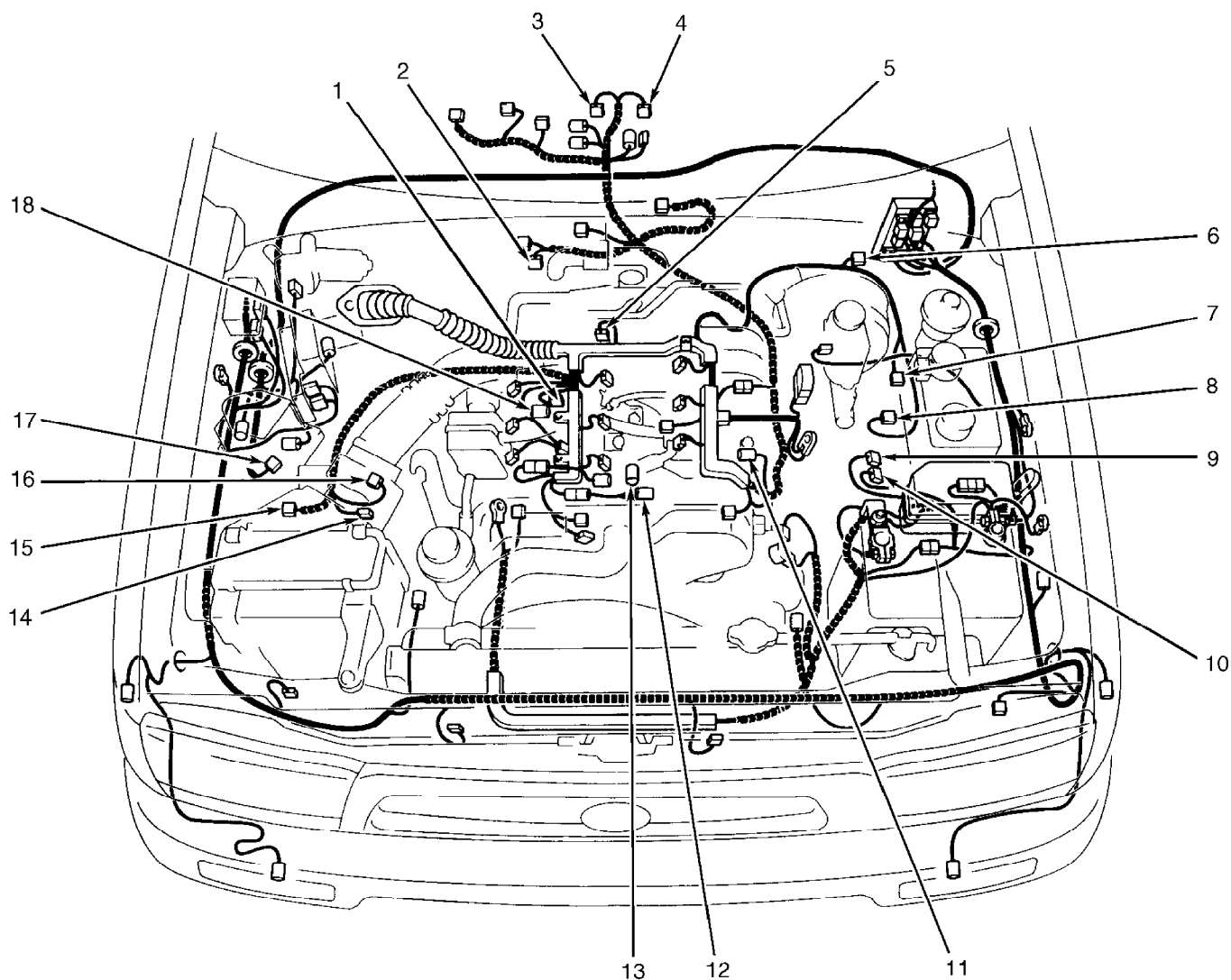
98I02296
Knock Sensor No. 1

On middle of engine.



3.4L

- | | |
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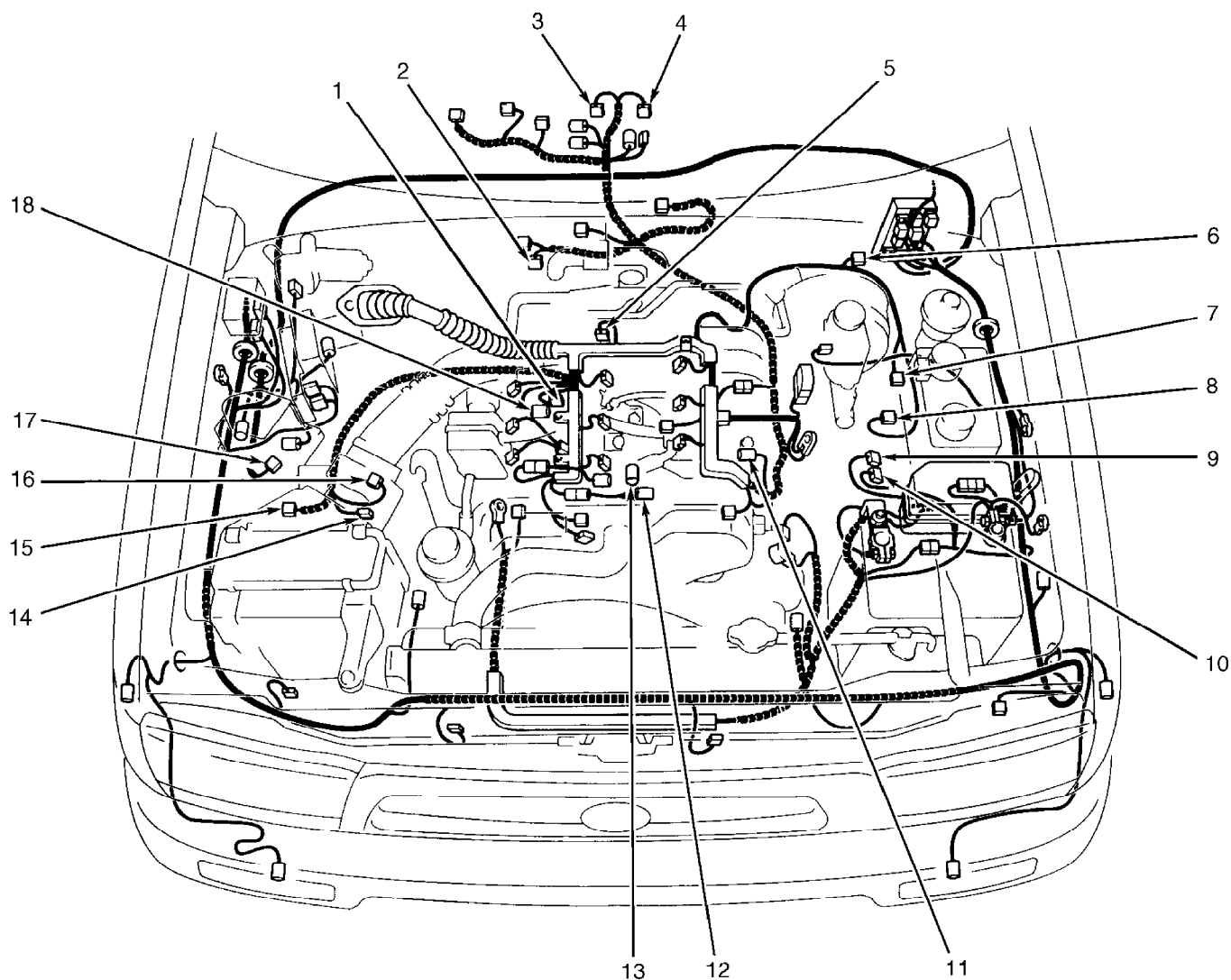


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| 10. VSV (4WD, ADD) | |

98102296
Mass Airflow Meter

On right side of engine
compartment, in air intake.



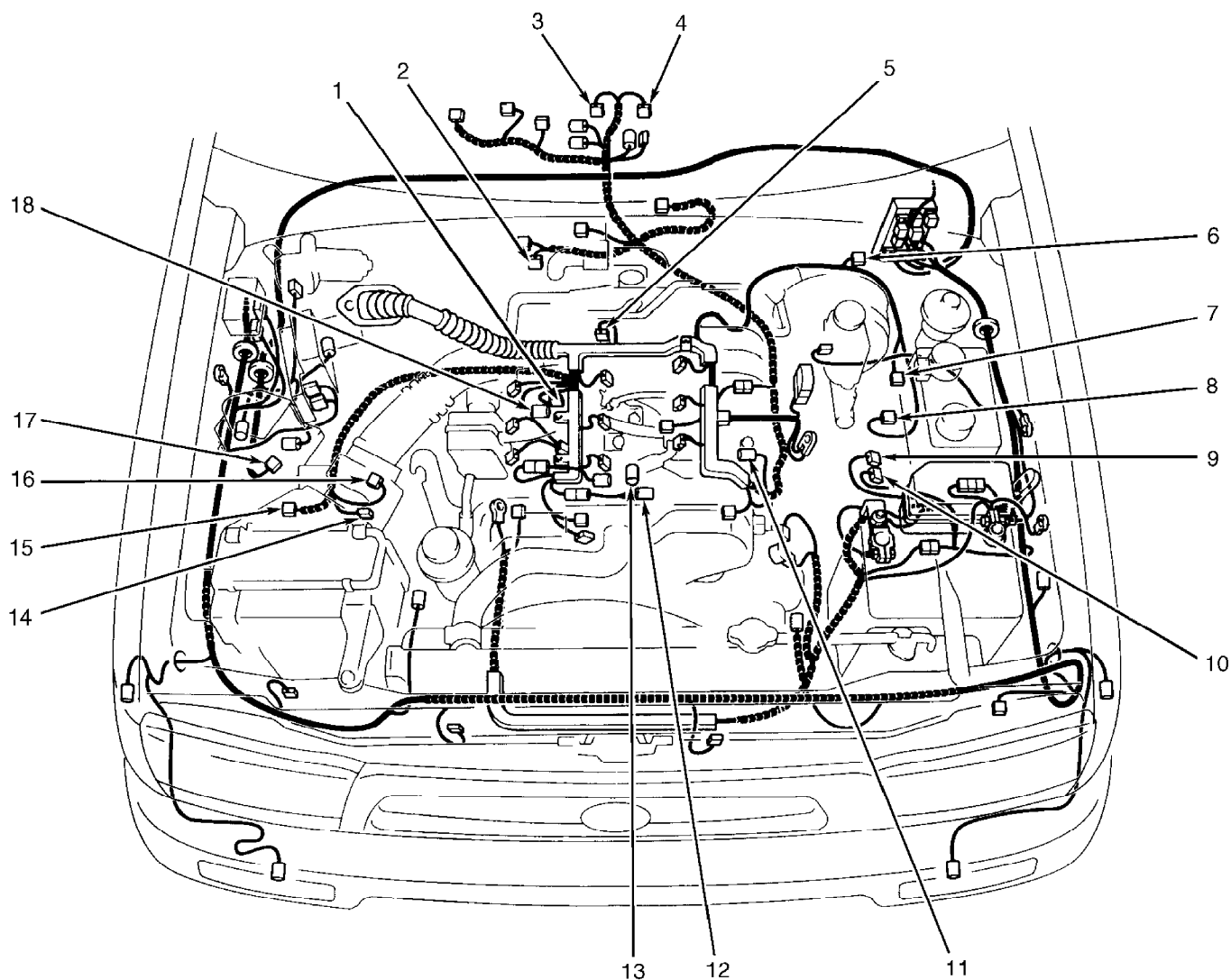
3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296

Throttle Position Sensor

On throttle body assembly.

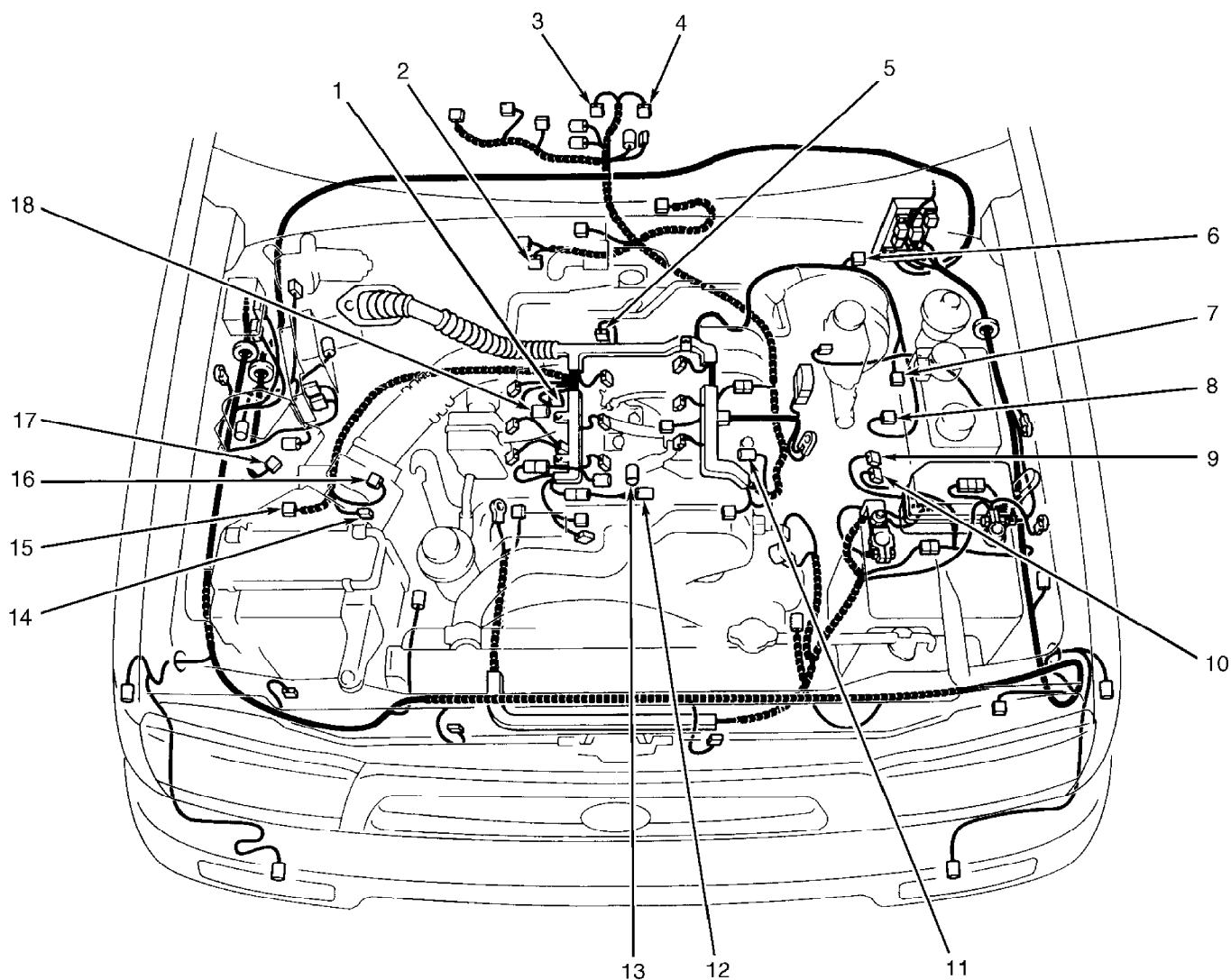


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
Vapor Pressure Sensor

On left rear of engine
compartment.

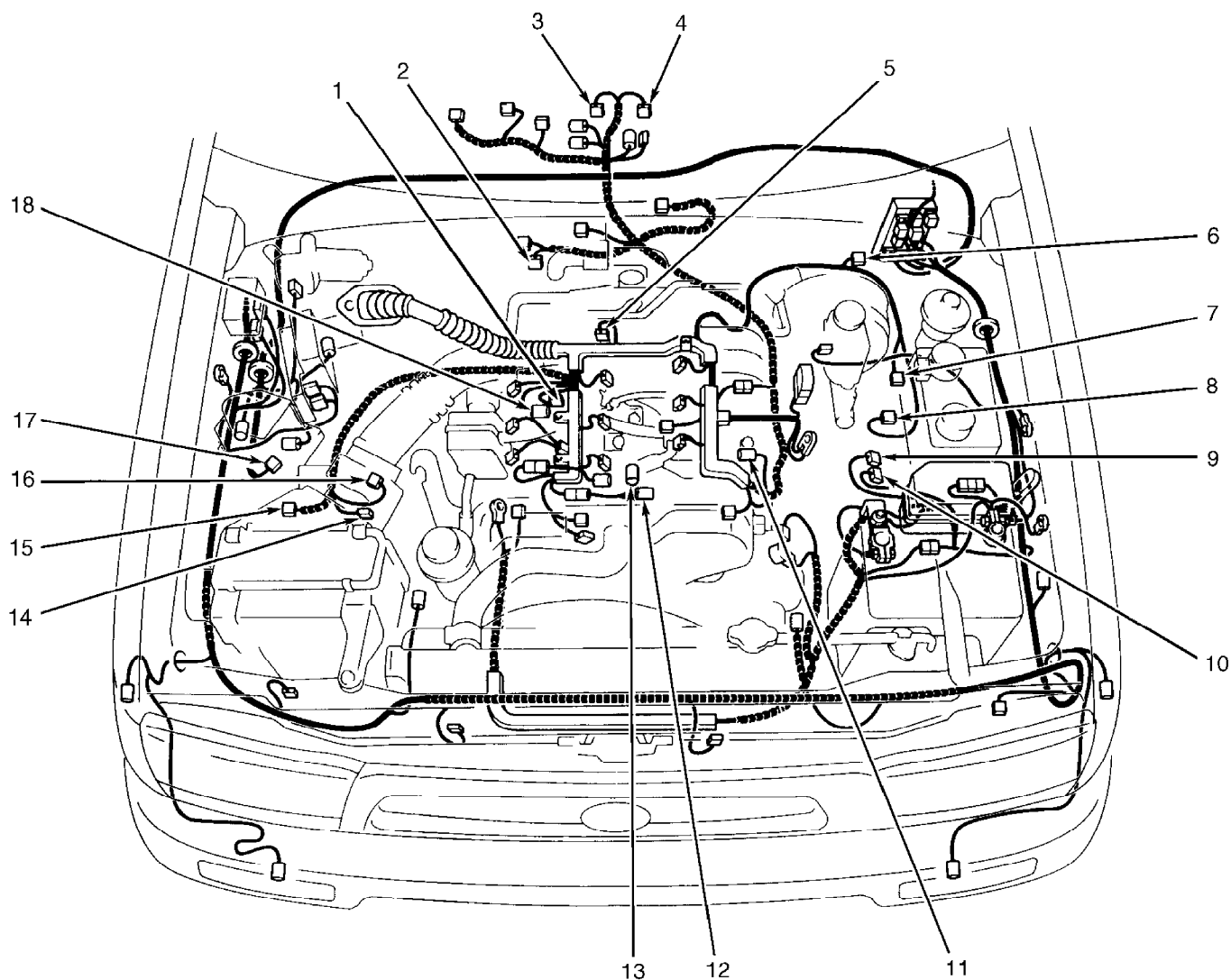


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
Vehicle Speed Sensor
(Electronically Controlled
Transmission)

On transmission.



3.4L

- | | |
|--|-----------------------------|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor | 14. Noise Filter |
| (Electronically Controlled Transmission) | 15. Ignitor |
| 5. Water Temperature Sender | 16. Mass Airflow Meter |
| 6. Vapor Pressure Sensor | 17. Washer Motor (USA), |
| 7. VSV (EVAP) | Washer Motor & Washer Level |
| 8. VSV (Vapor Pressure Sensor) | Warning Switch (Canada) |
| 9. VSV (2WD, ADD) | 18. Idle Air Control Valve |
| 10. VSV (4WD, ADD) | |

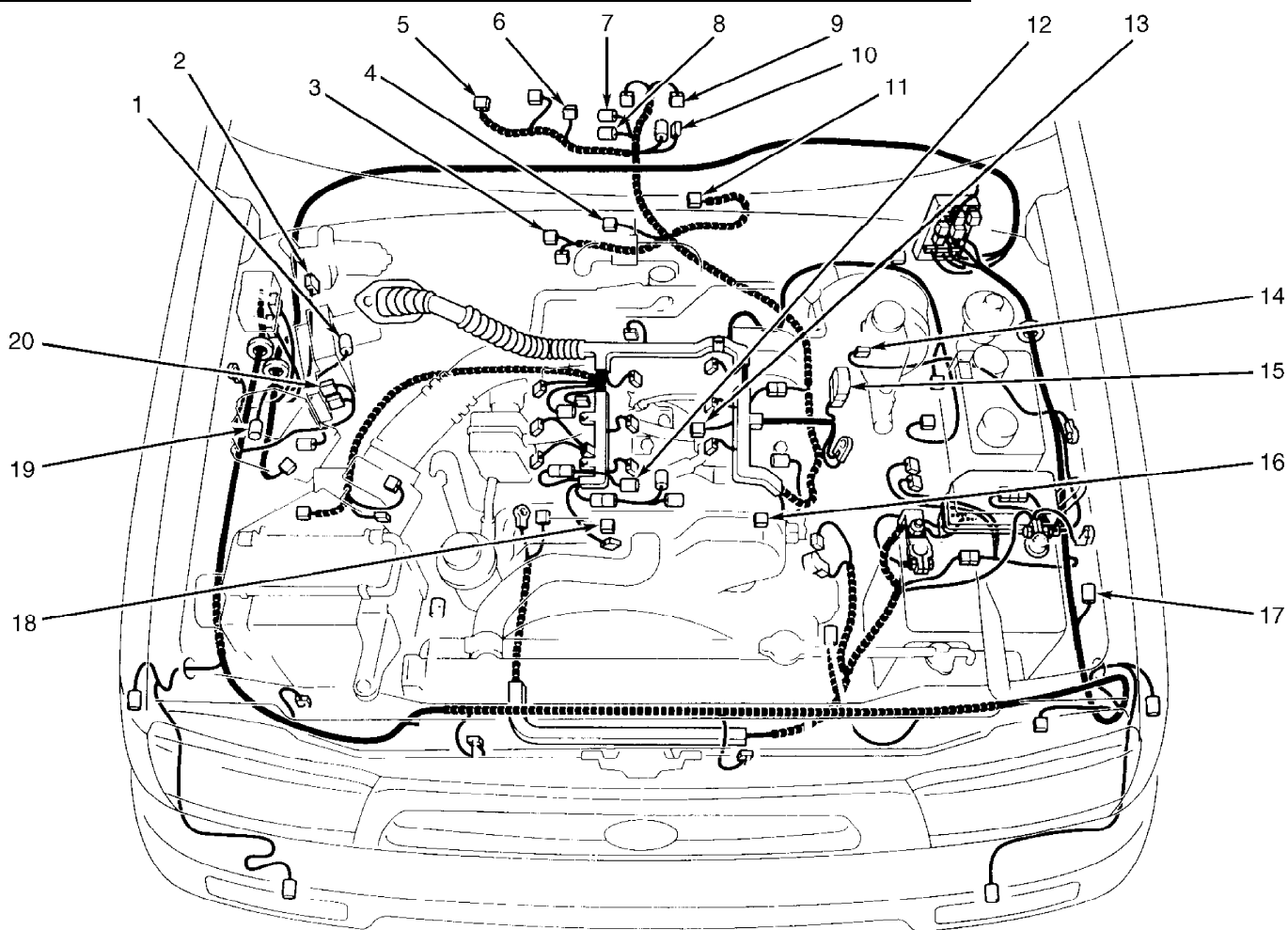
98102296
Water Temperature Sender

On top rear of engine.

SOLENOIDS & SOLENOID VALVES

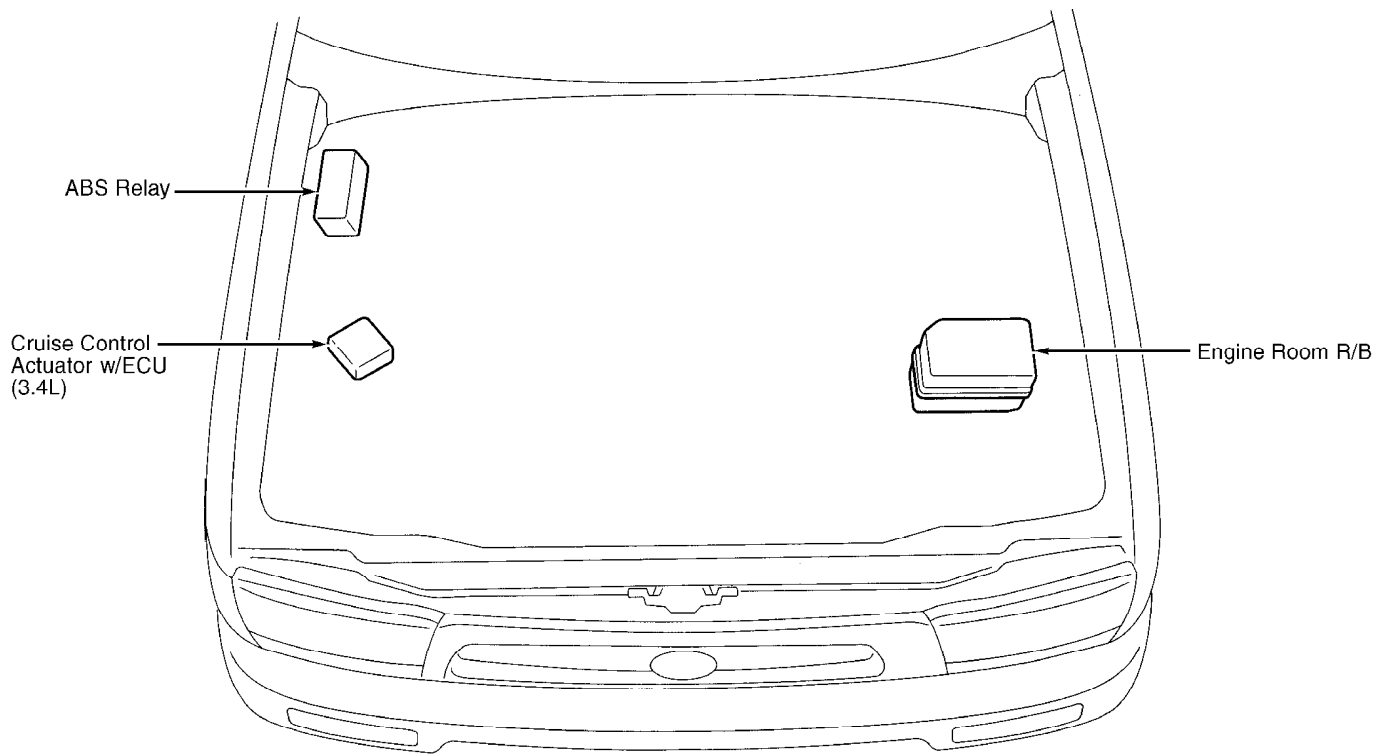
Component

Component Location



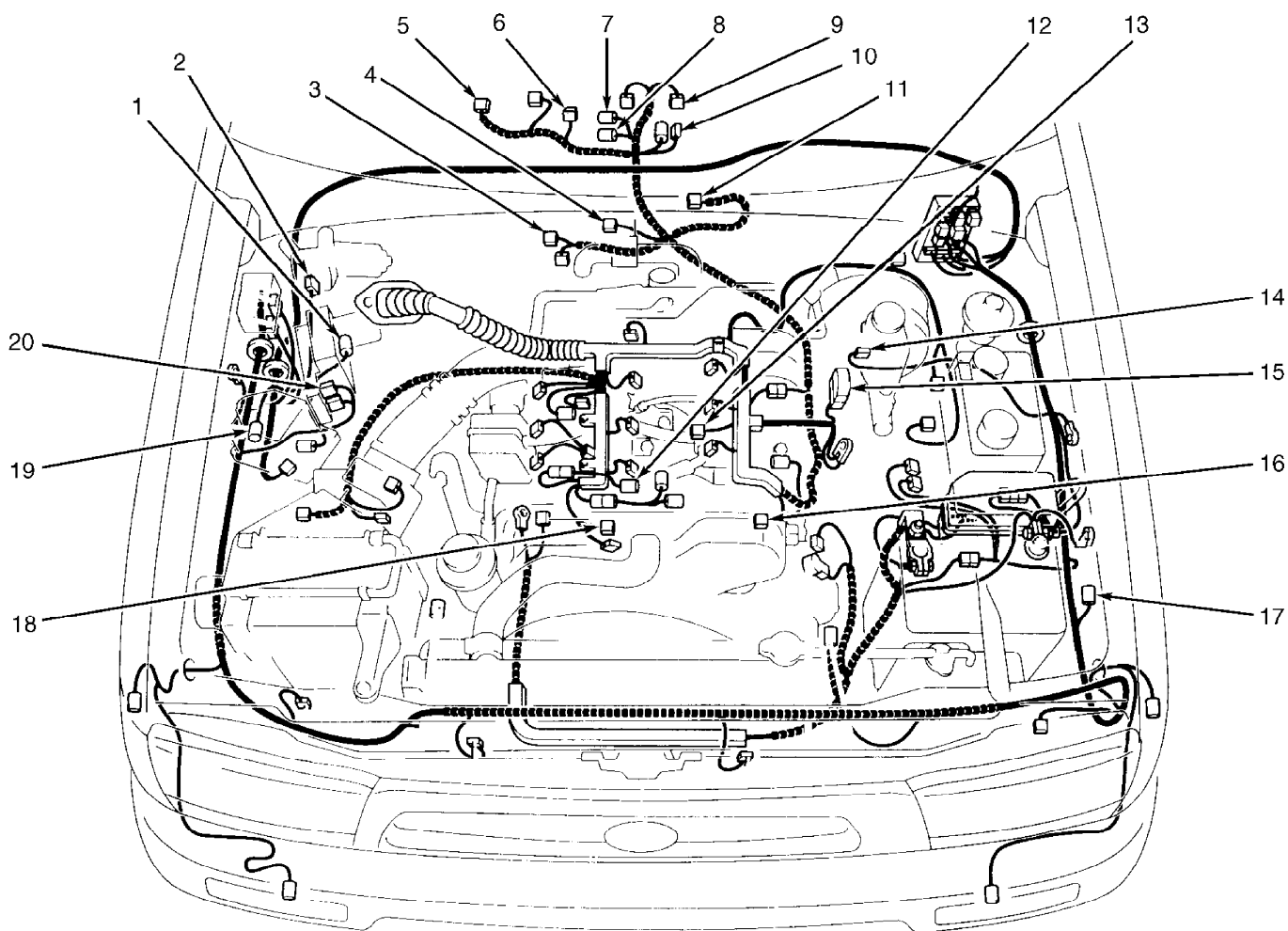
3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |



98H02286
Cruise Control Actuator
With ECU

On right inner fender panel.

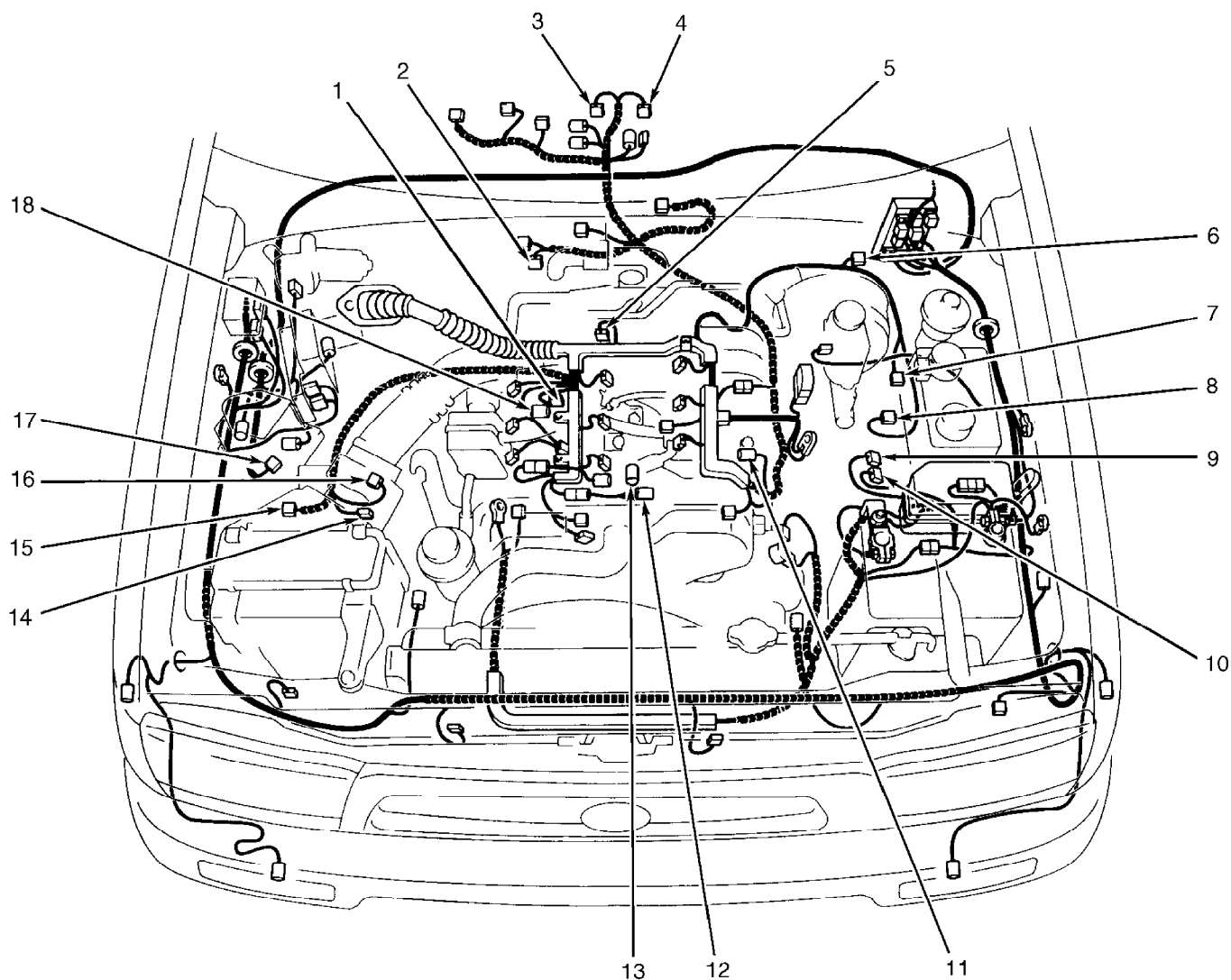


3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
Electronically Controlled
Transmission Solenoid

In transmission.

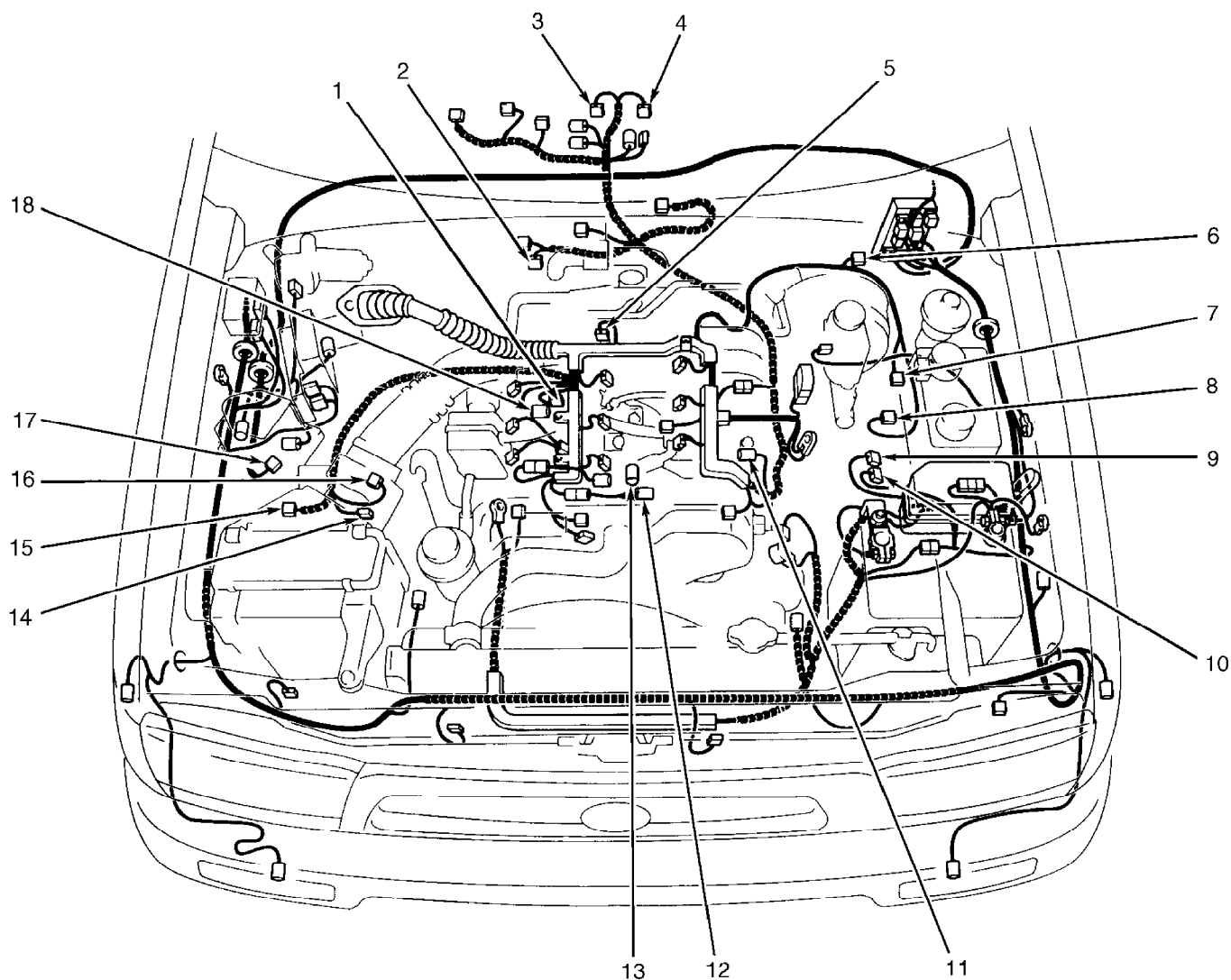


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
Idle Air Control Valve

On top right side of engine.

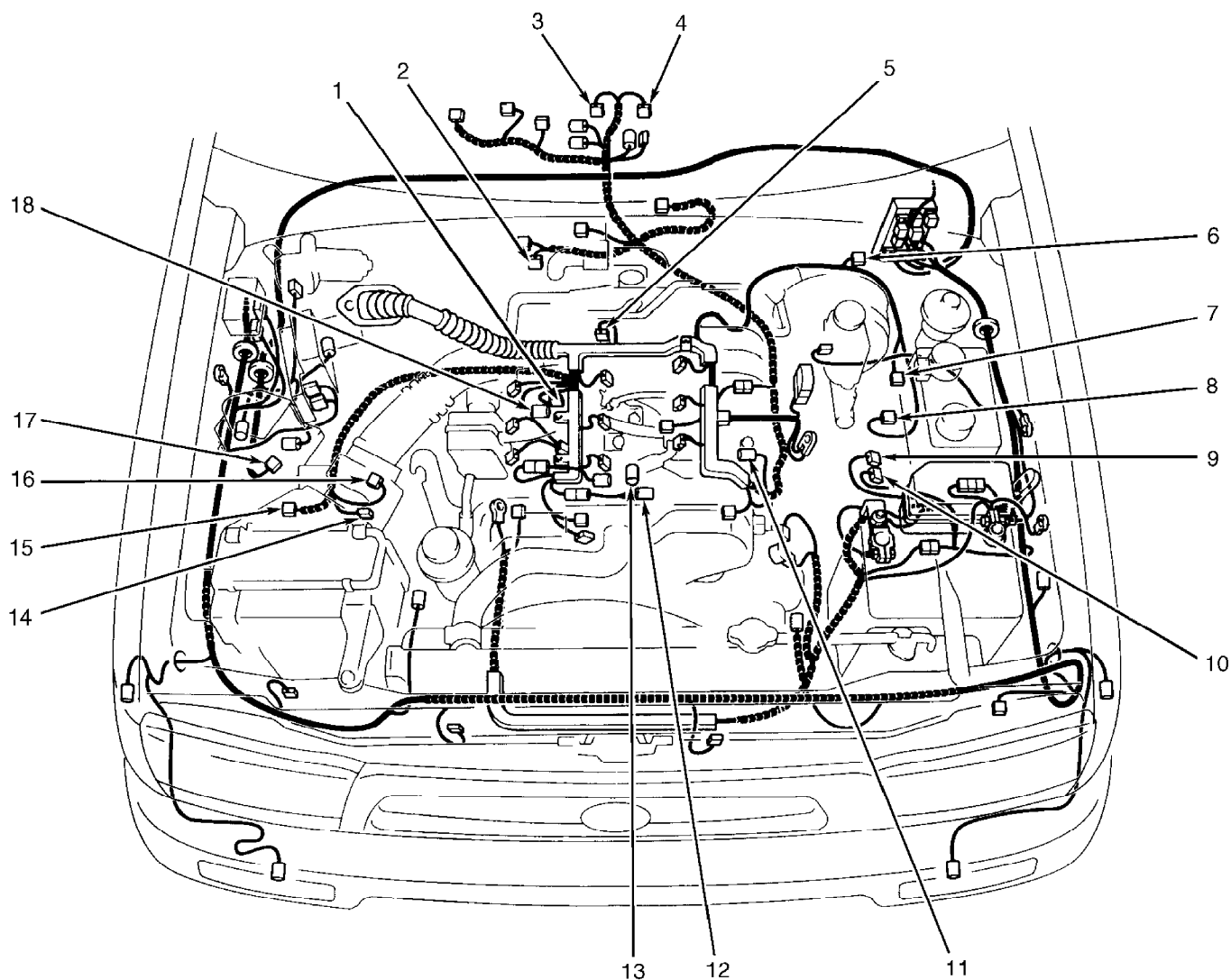


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
VSV (EVAP)

On left side of engine
compartment.

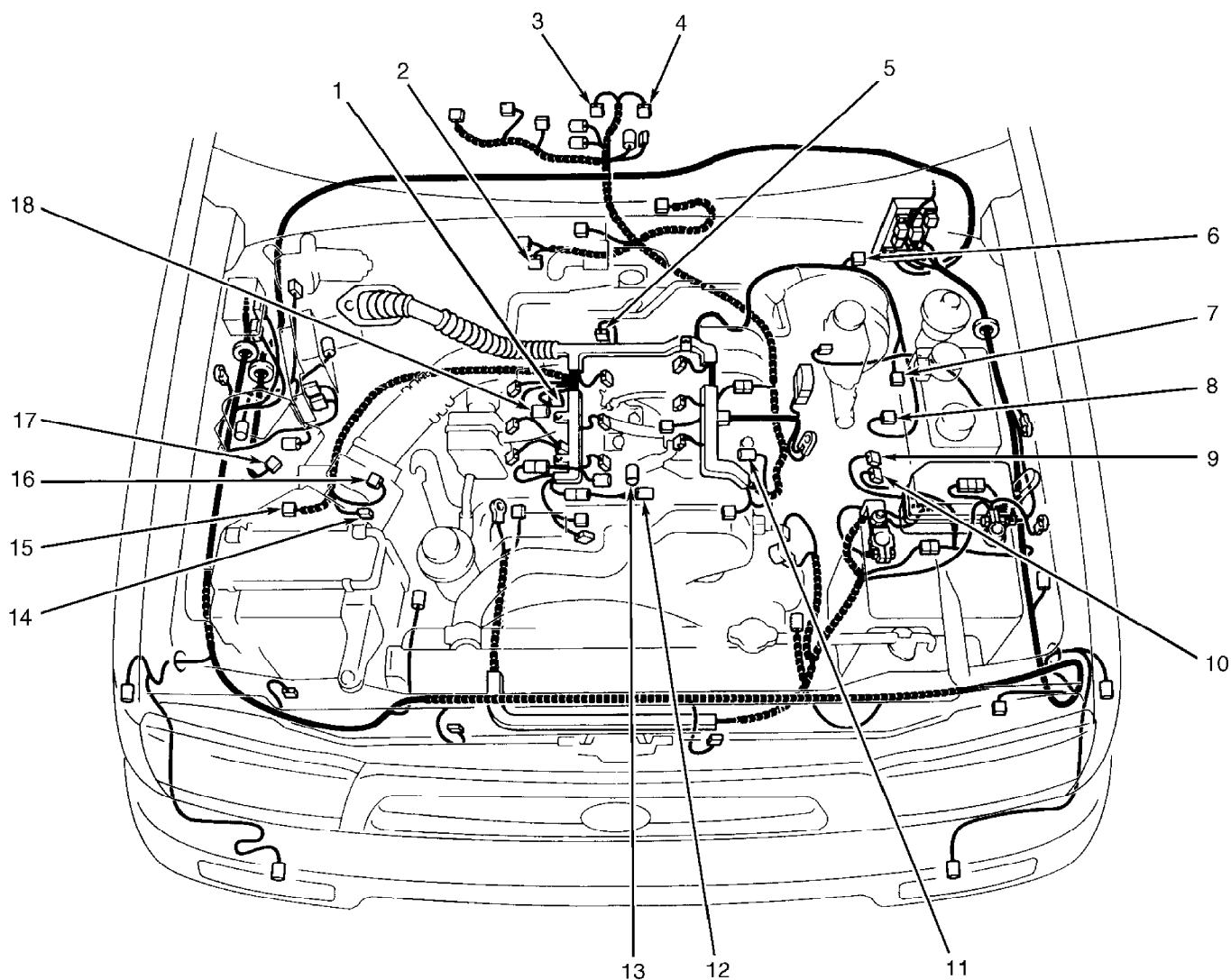


3.4L

- | | |
|--|-----------------------------|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor | 14. Noise Filter |
| (Electronically Controlled Transmission) | 15. Ignitor |
| 5. Water Temperature Sender | 16. Mass Airflow Meter |
| 6. Vapor Pressure Sensor | 17. Washer Motor (USA), |
| 7. VSV (EVAP) | Washer Motor & Washer Level |
| 8. VSV (Vapor Pressure Sensor) | Warning Switch (Canada) |
| 9. VSV (2WD, ADD) | 18. Idle Air Control Valve |
| 10. VSV (4WD, ADD) | |

98102296
VSV (Vapor Pressure Sensor)

On left side of engine
compartment.

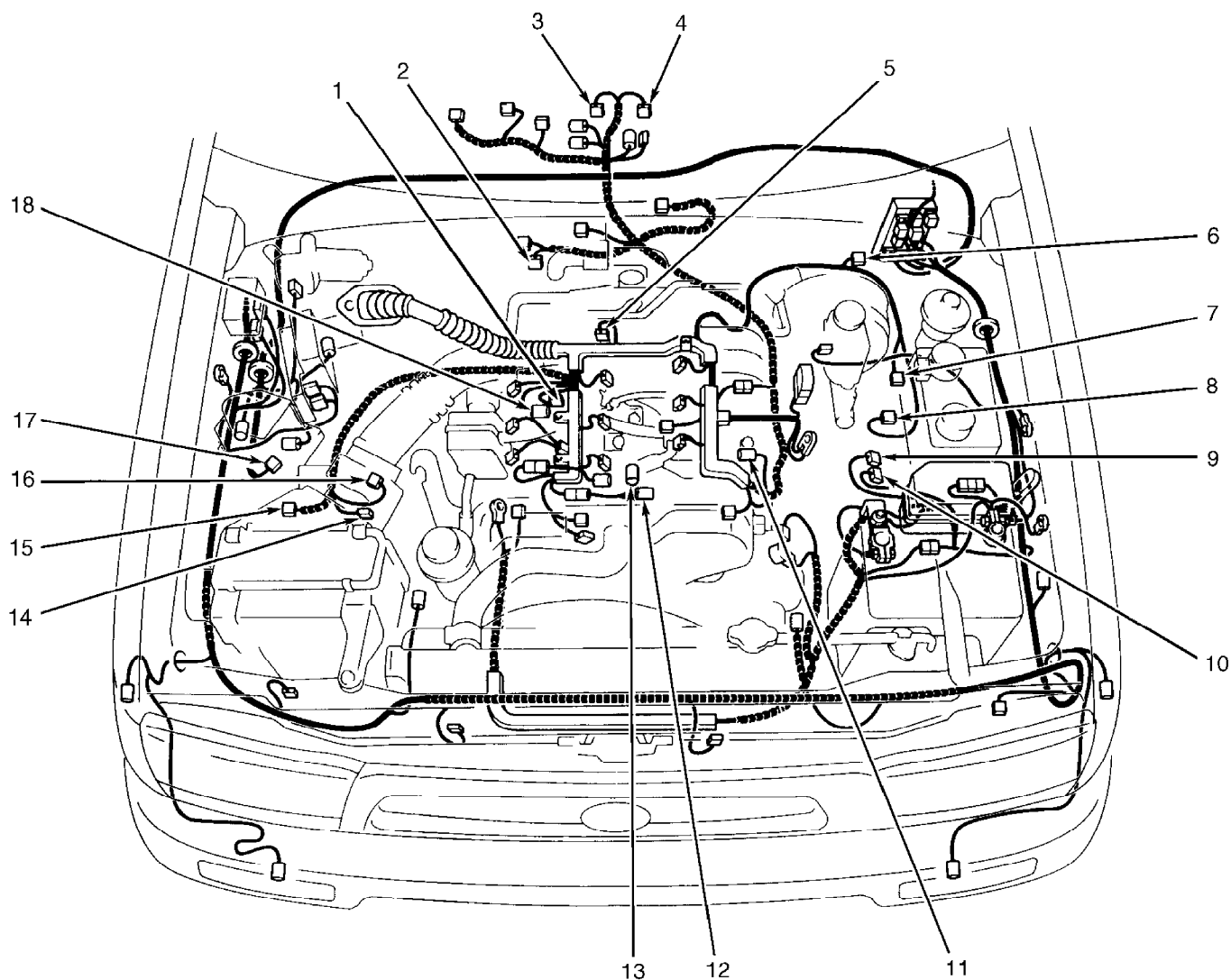


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
VSV (2WD, ADD)

On left side of engine
compartment.



3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

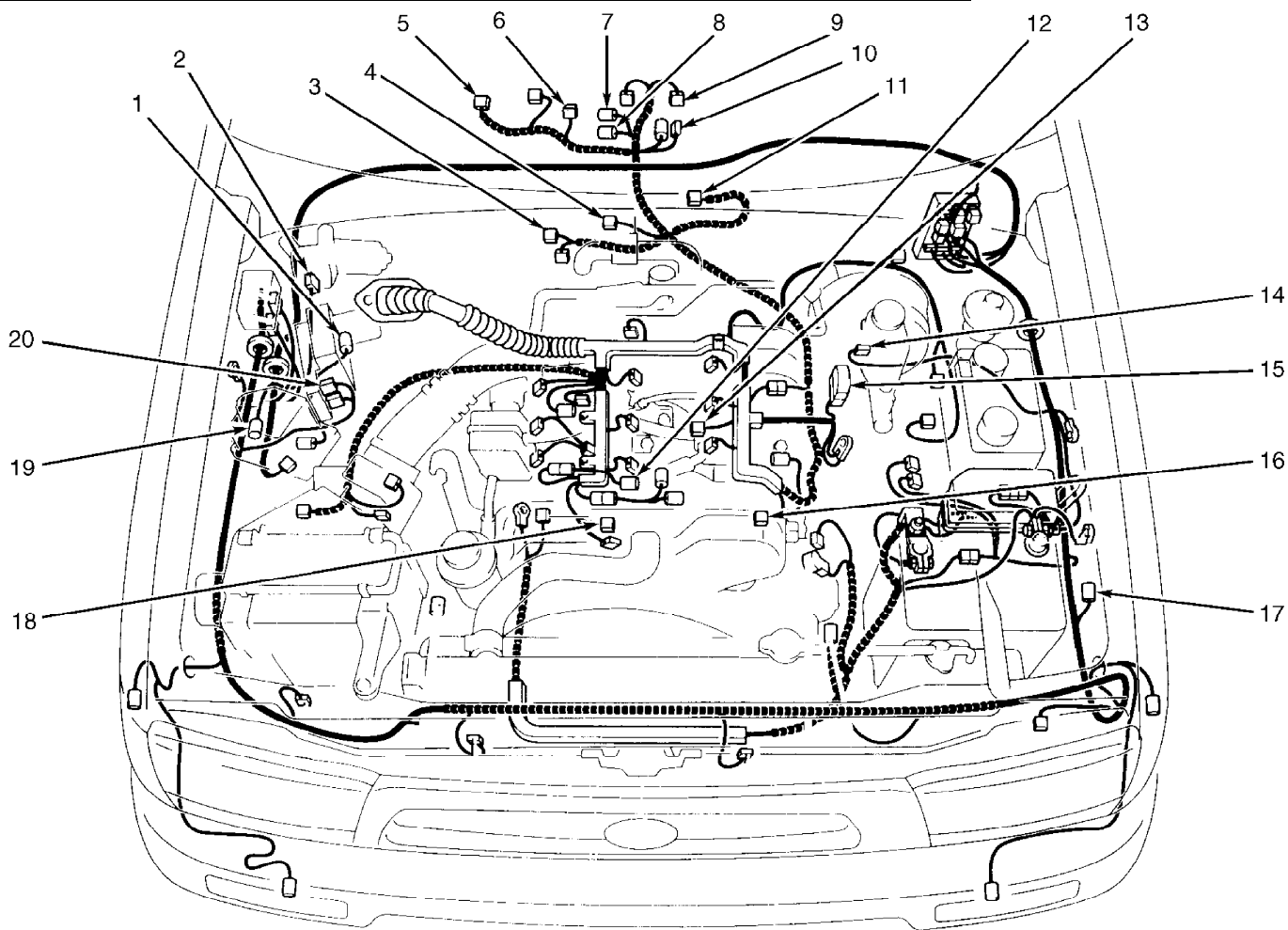
98102296
VSV (4WD, ADD)

On left side of engine
compartment.

SWITCHES

Component

Component Location



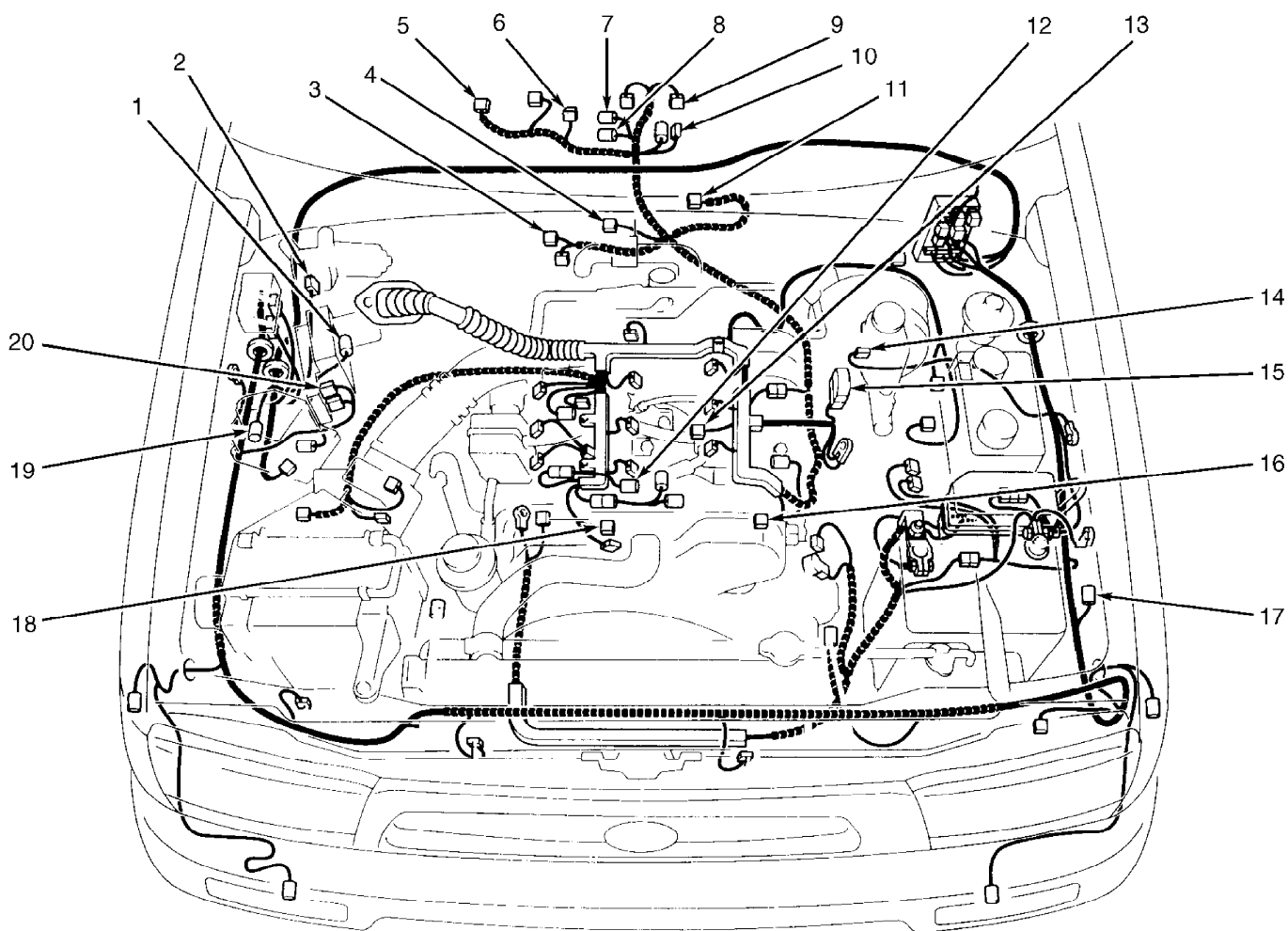
3.4L

1. A/C Dual Pressure Switch
2. Front Wiper Motor
3. Heated Oxygen Sensor (Bank 1 Sensor 1)
4. A/T Fluid Temperature Sensor
5. Heated Oxygen Sensor (Bank 1 Sensor 2)
6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch)
7. Detection Switch (Transfer Neutral Position)
8. Detection Switch (Transfer L4 Position)
9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch)
10. Electronically Controlled Transmission Solenoid
11. Back-Up Light Switch
12. Engine Coolant Temperature Sensor
13. ADD Indicator Switch
14. Brake Fluid Level Warning Switch
15. Data Link Connector (DLC) No. 1
16. Crankshaft Position Sensor
17. Daytime Running Light Resistor
18. Camshaft Position Sensor
19. Auto Antenna Motor
20. ABS Actuator

98D02294

A/C Dual Pressure Switch

On right rear of engine compartment.

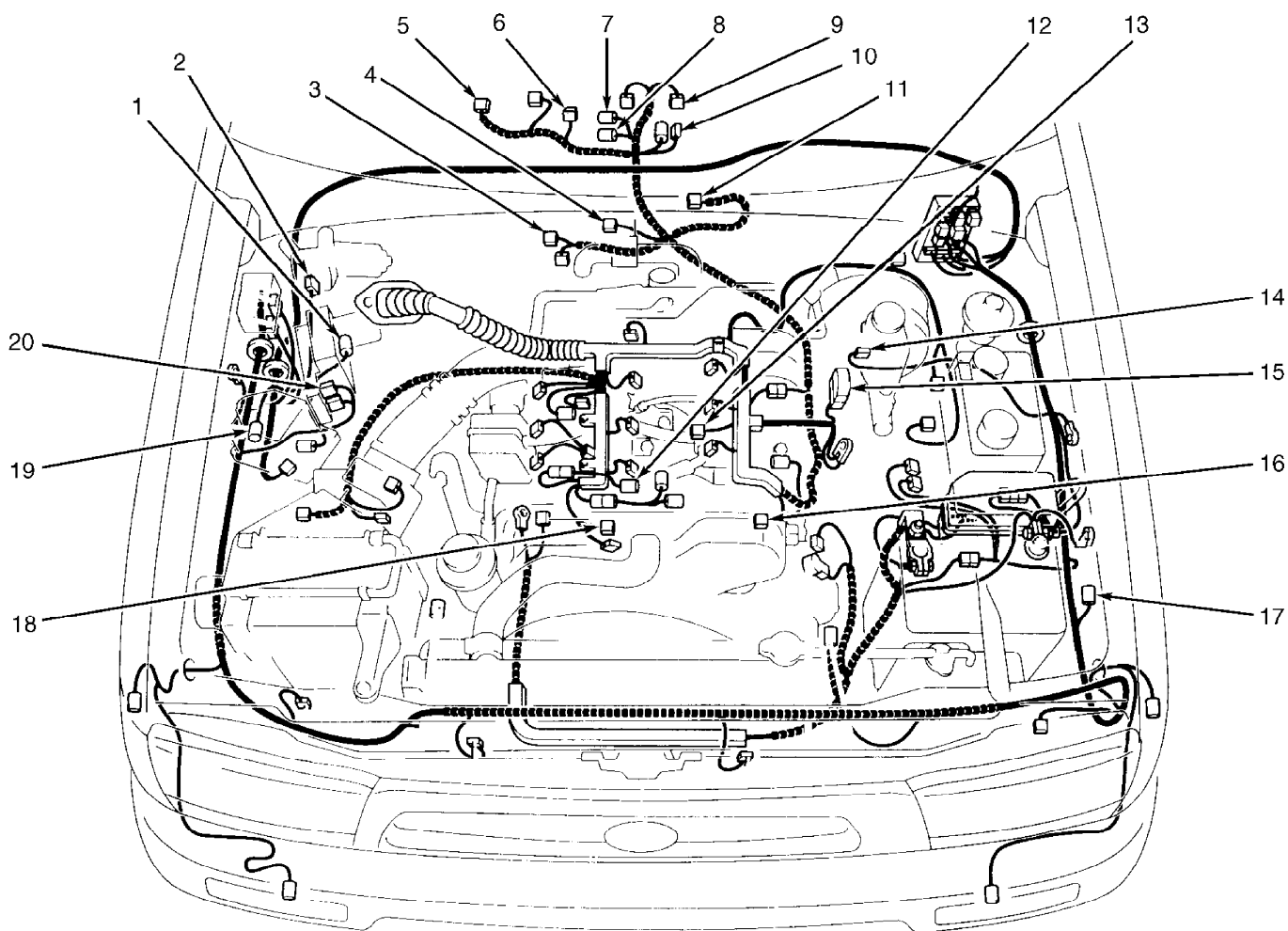


3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
ADD Indicator Switch

On center middle of engine
compartment.

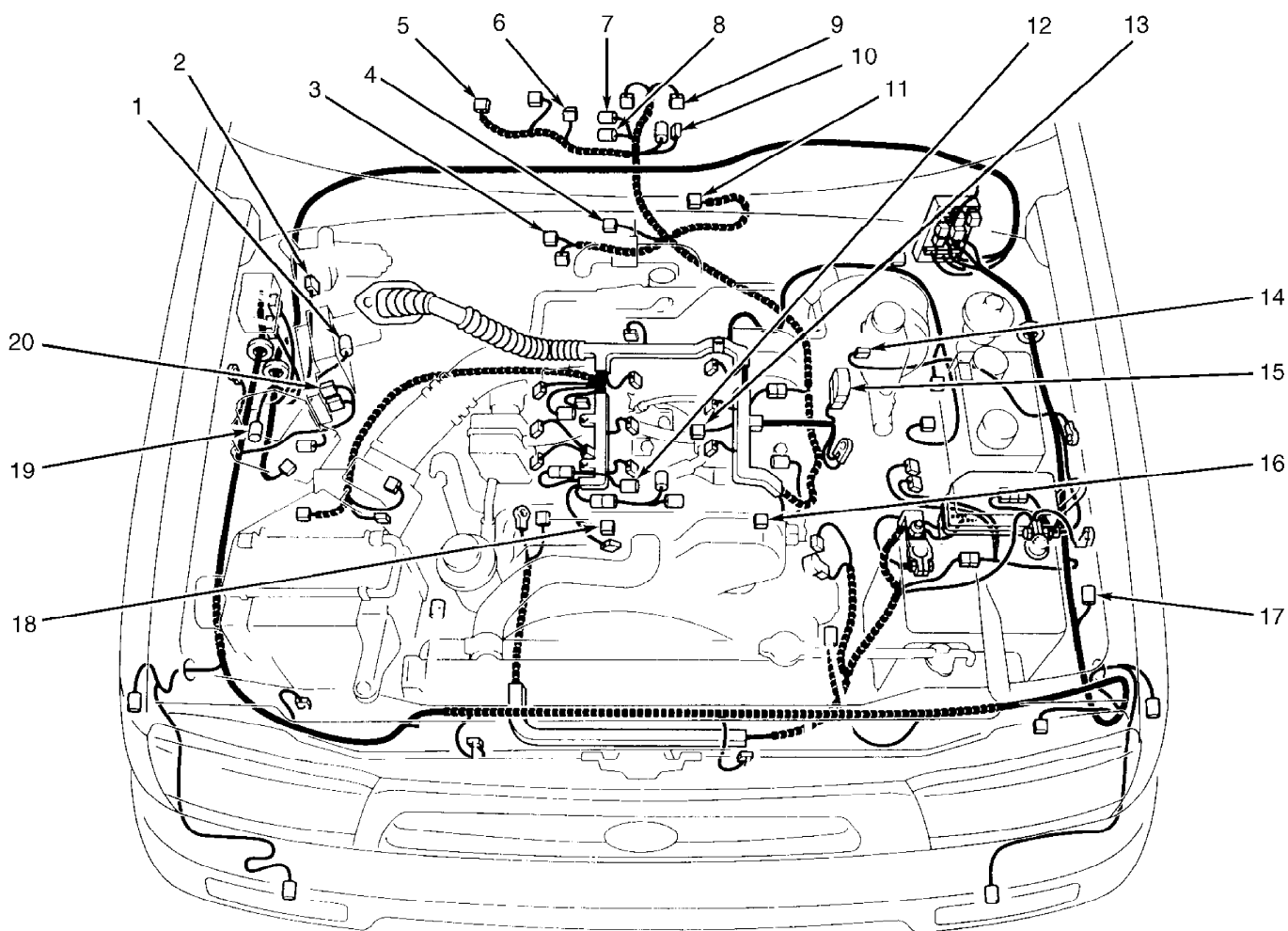


3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
Back-Up Light Switch

On transmission.



3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294

Brake Fluid Level Warning Switch

On brake fluid reservoir.

Buckle Switch

On driver's seat belt buckle.

Clutch Start Cancel Switch

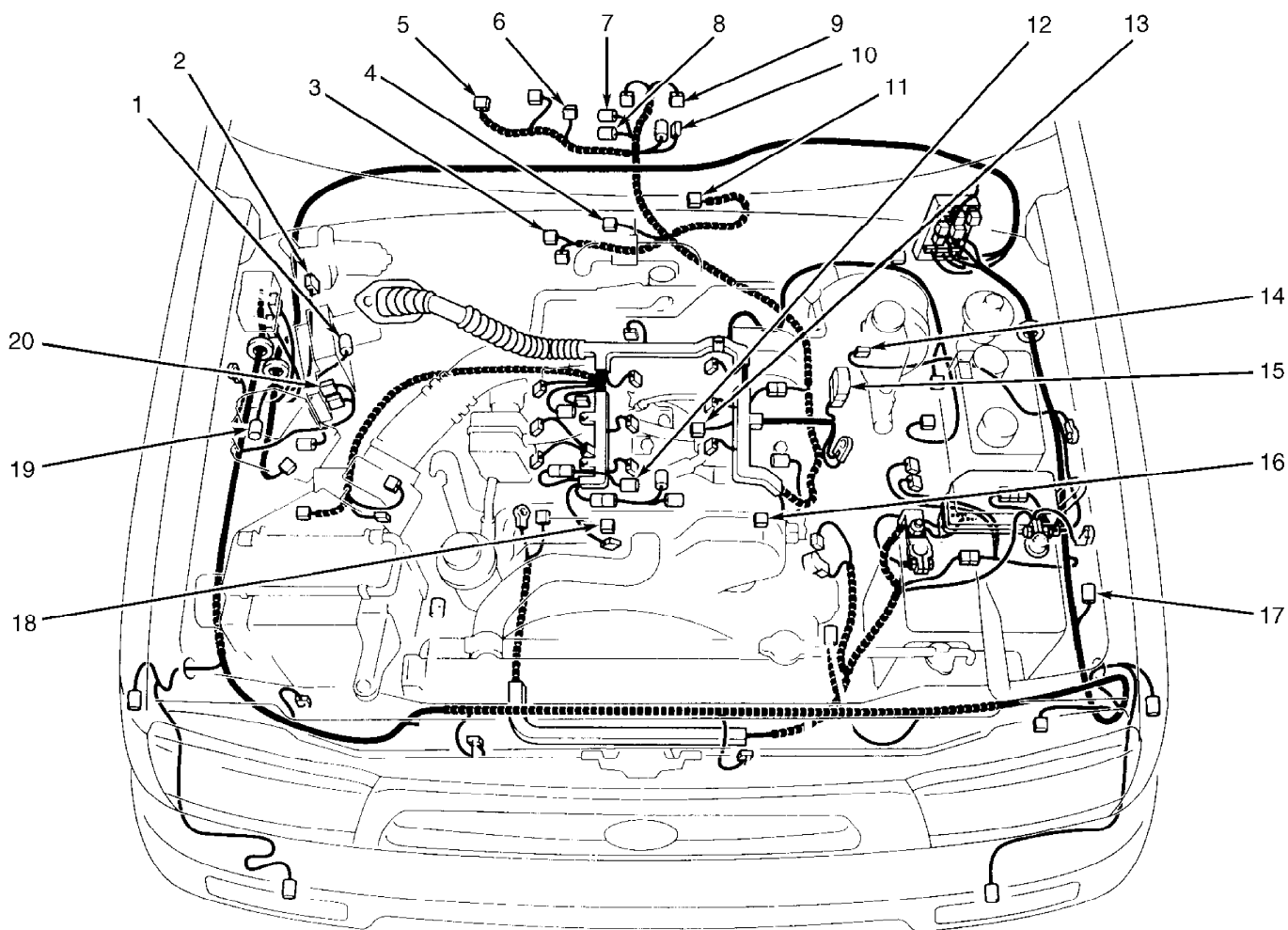
Under left side of dash.

Clutch Start Switch

Under left side of dash.

Cruise Control Clutch Switch

Under left side of dash.



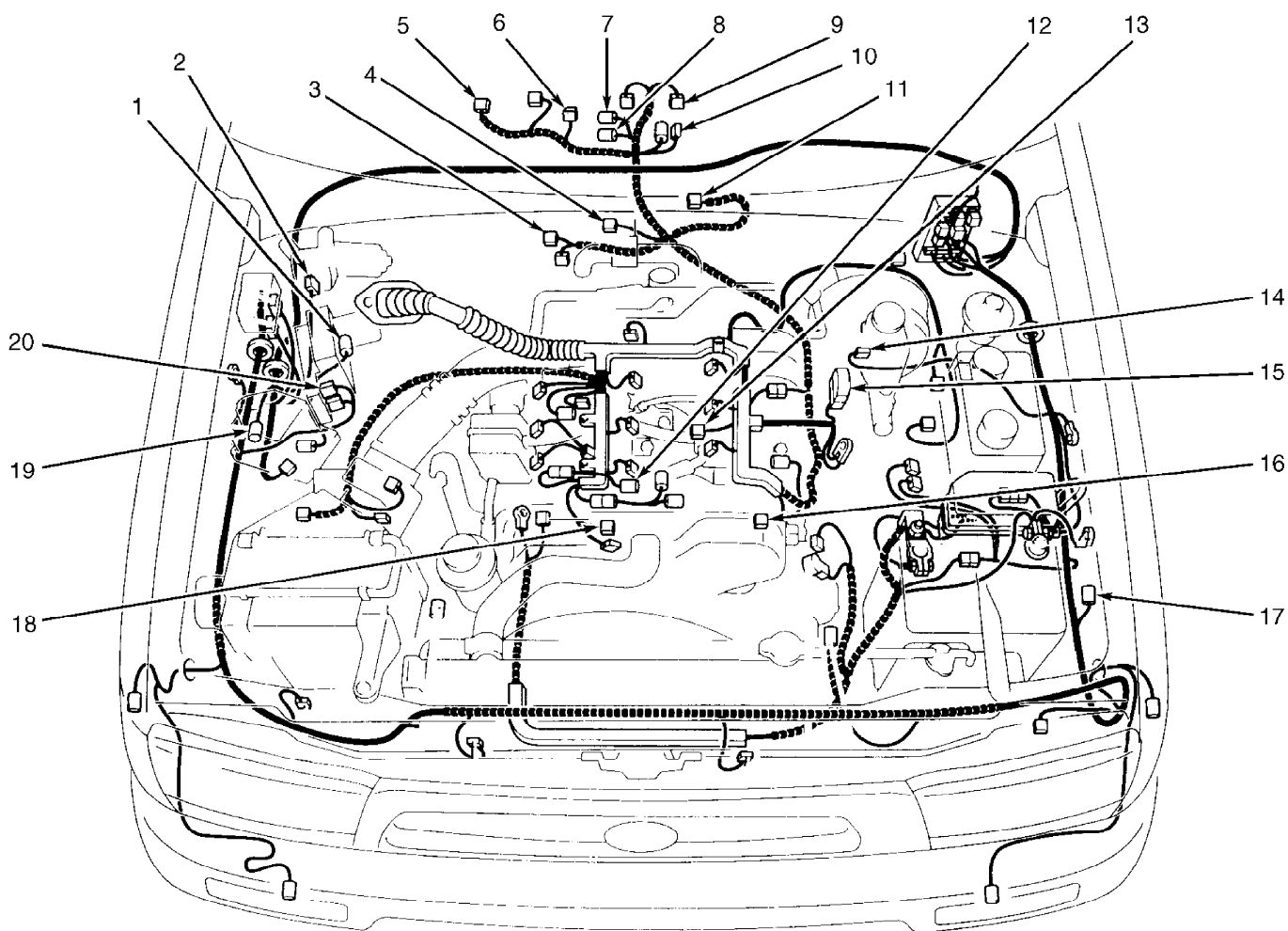
3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294

Detection Switch (Transfer 4WD
Position) (w/2-4 Select Switch)

On transmission/transfer case
assembly.



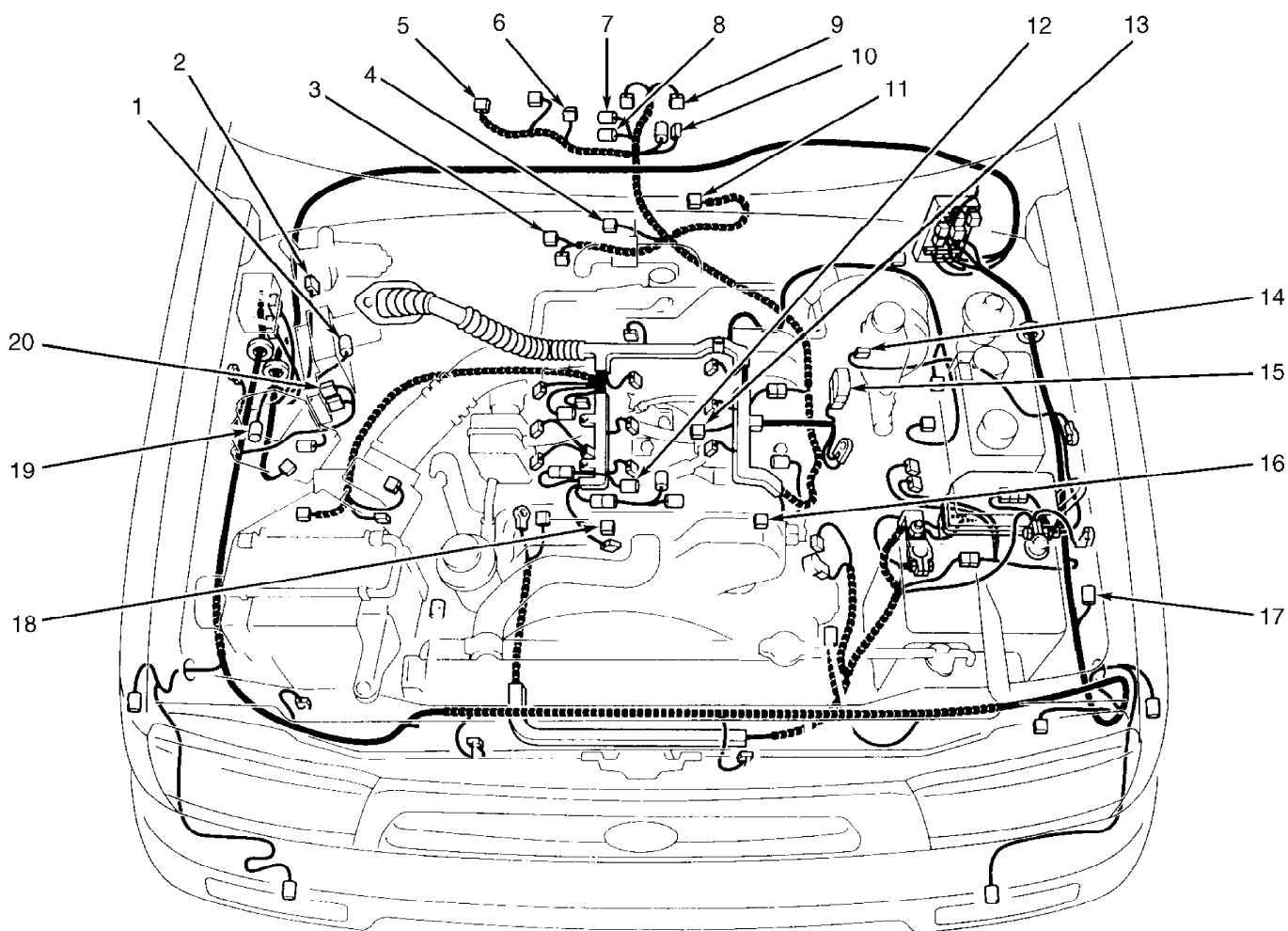
3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294

Detection Switch (Transfer 4WD
Position) (w/o 2-4 Select Switch)

On transmission/transfer case
assembly.

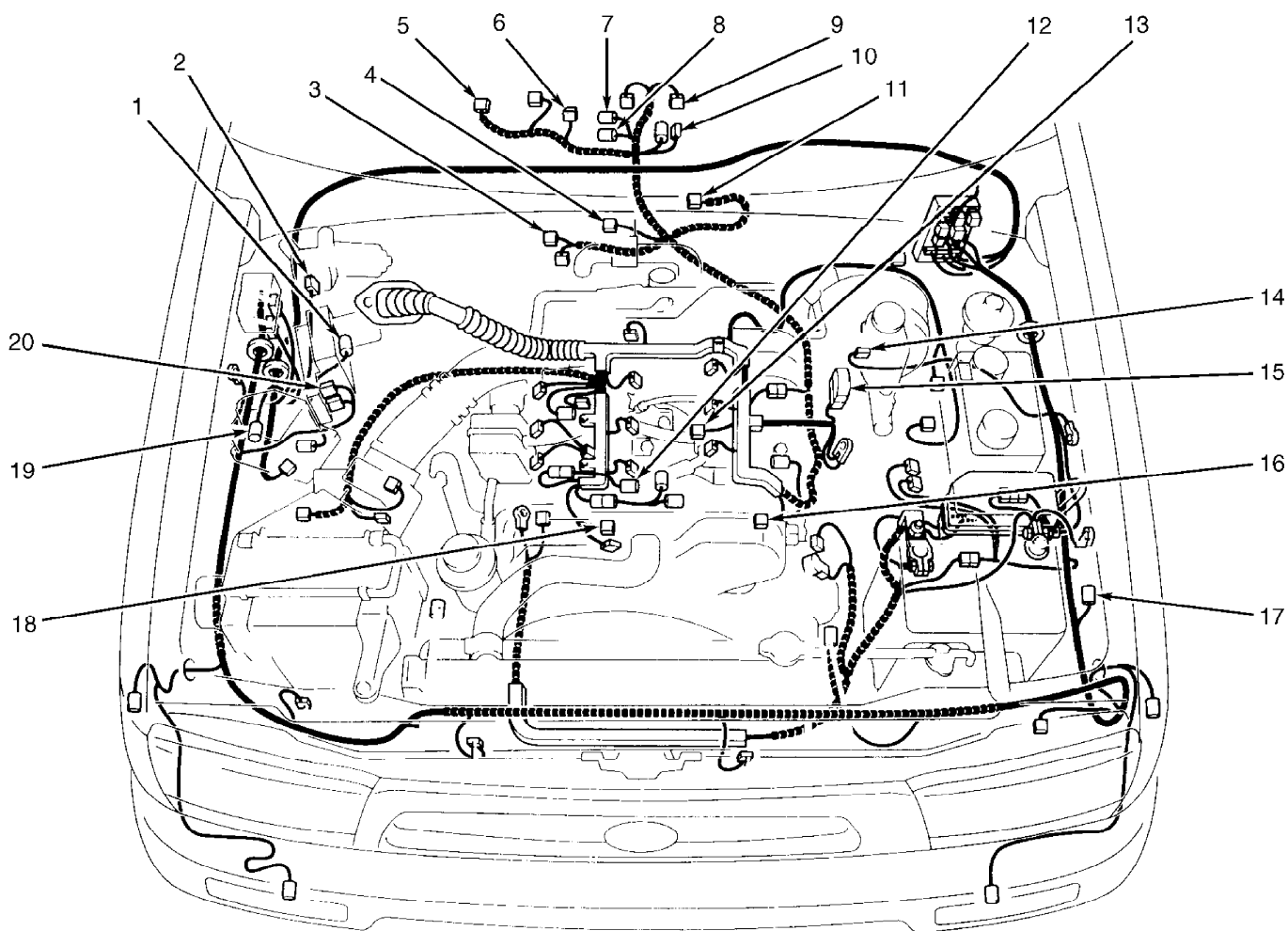


3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
Detection Switch (Transfer L4
Position)

On transmission/transfer case
assembly.

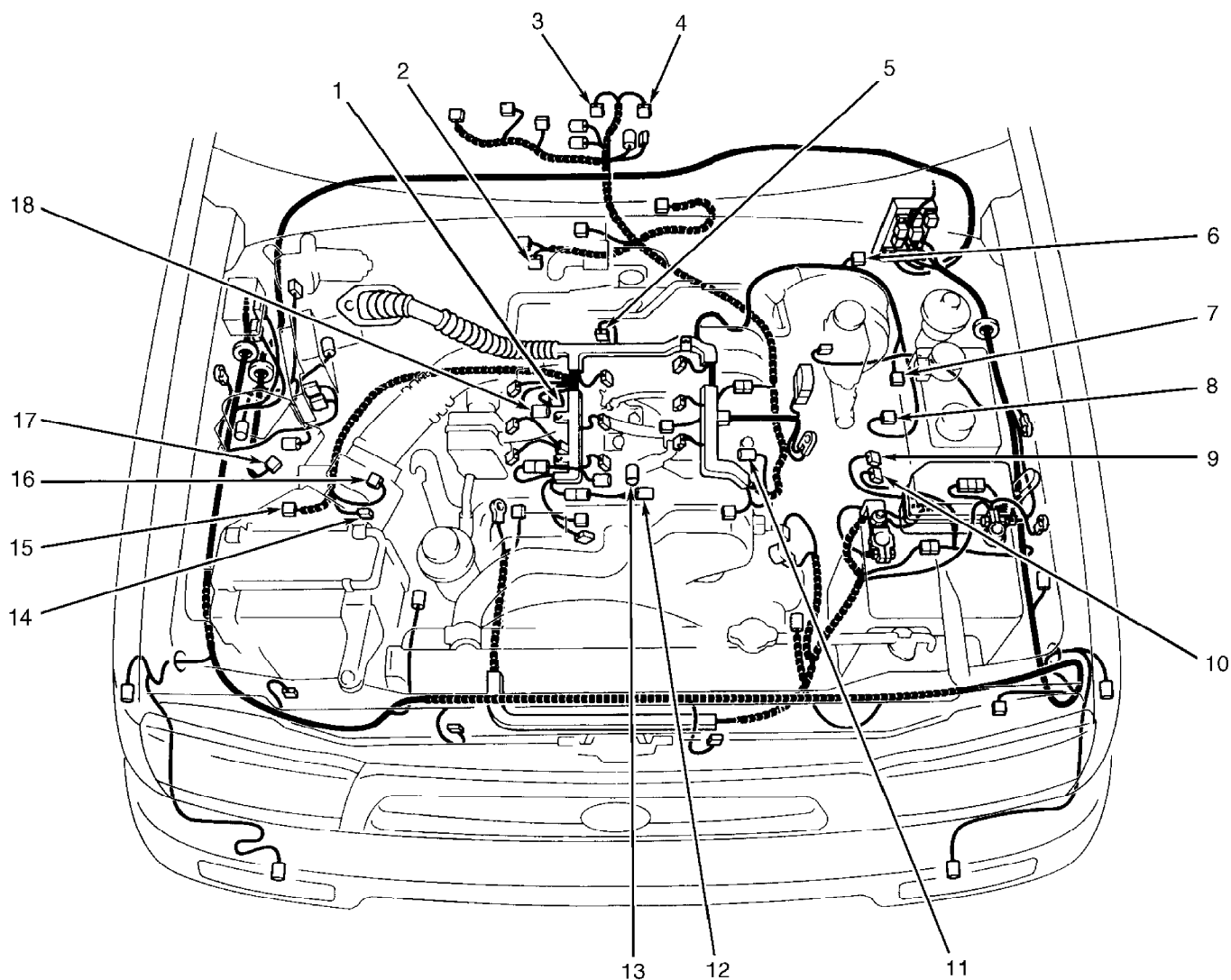


3.4L

- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

98D02294
Detection Switch (Transfer
Neutral Position)

On transmission/transfer case
assembly.

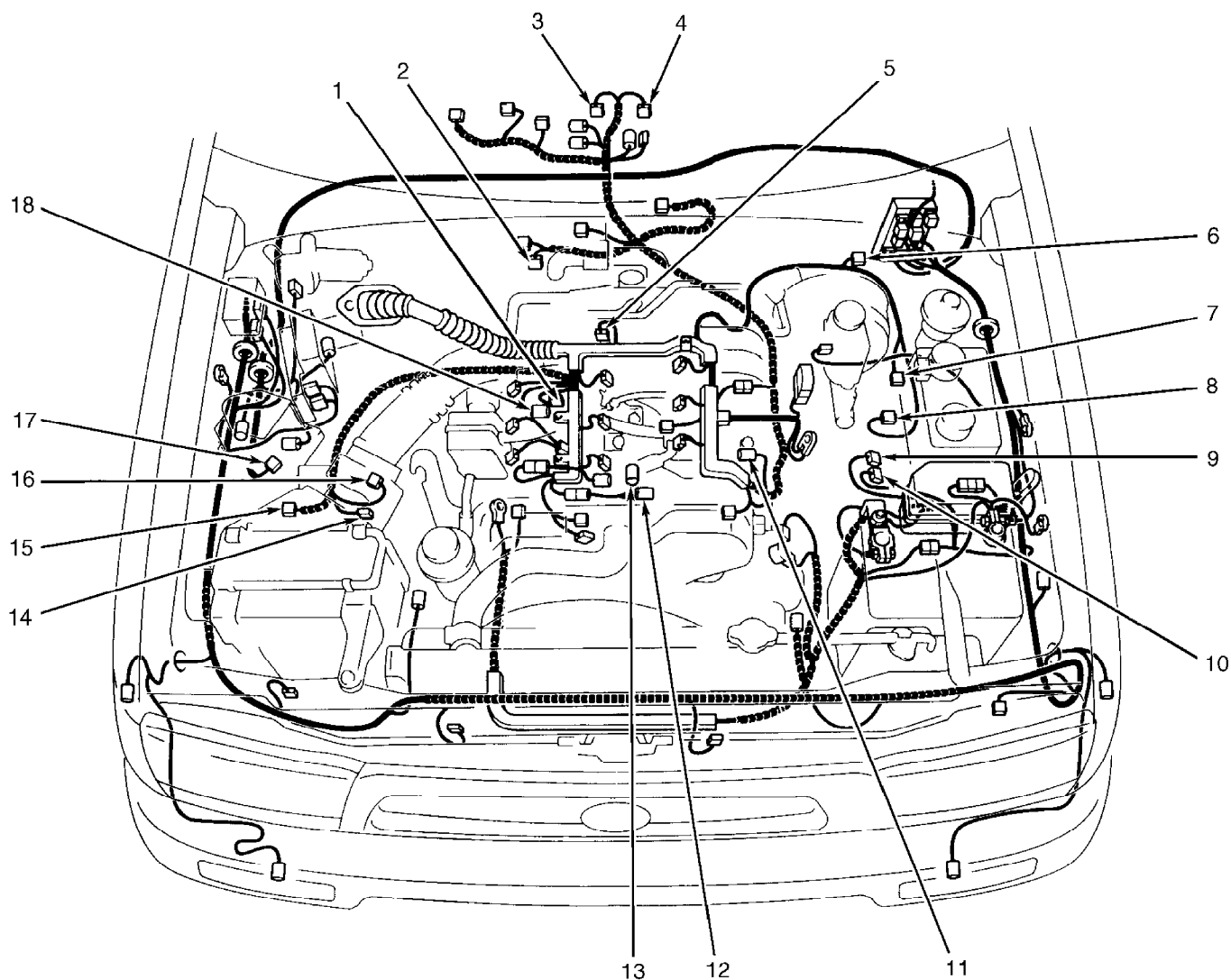


3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
Oil Pressure Switch

On left side of engine.



3.4L

- | | |
|--|-----------------------------|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor | 14. Noise Filter |
| (Electronically Controlled Transmission) | 15. Ignitor |
| 5. Water Temperature Sender | 16. Mass Airflow Meter |
| 6. Vapor Pressure Sensor | 17. Washer Motor (USA), |
| 7. VSV (EVAP) | Washer Motor & Washer Level |
| 8. VSV (Vapor Pressure Sensor) | Warning Switch (Canada) |
| 9. VSV (2WD, ADD) | 18. Idle Air Control Valve |
| 10. VSV (4WD, ADD) | |

98102296
Park/Neutral Position Switch

On transmission.

Parking Brake Switch

Under center console.

Power Steering Oil Pressure Switch

On right front of engine.

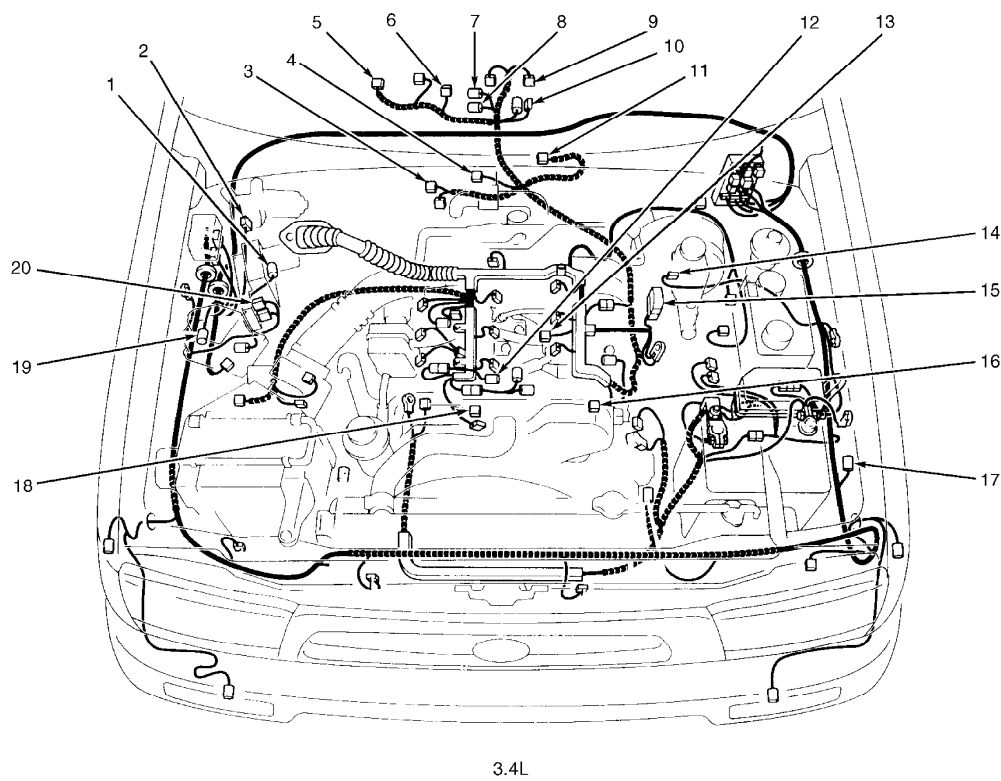
Rear Differential Lock Detection
Switch

Under vehicle, on

	differential.
Rear Heater Blower Switch	On middle center of vehicle.
Stoplight Switch	Under left side of dash.
2-4 Select Switch	Under front of center console.

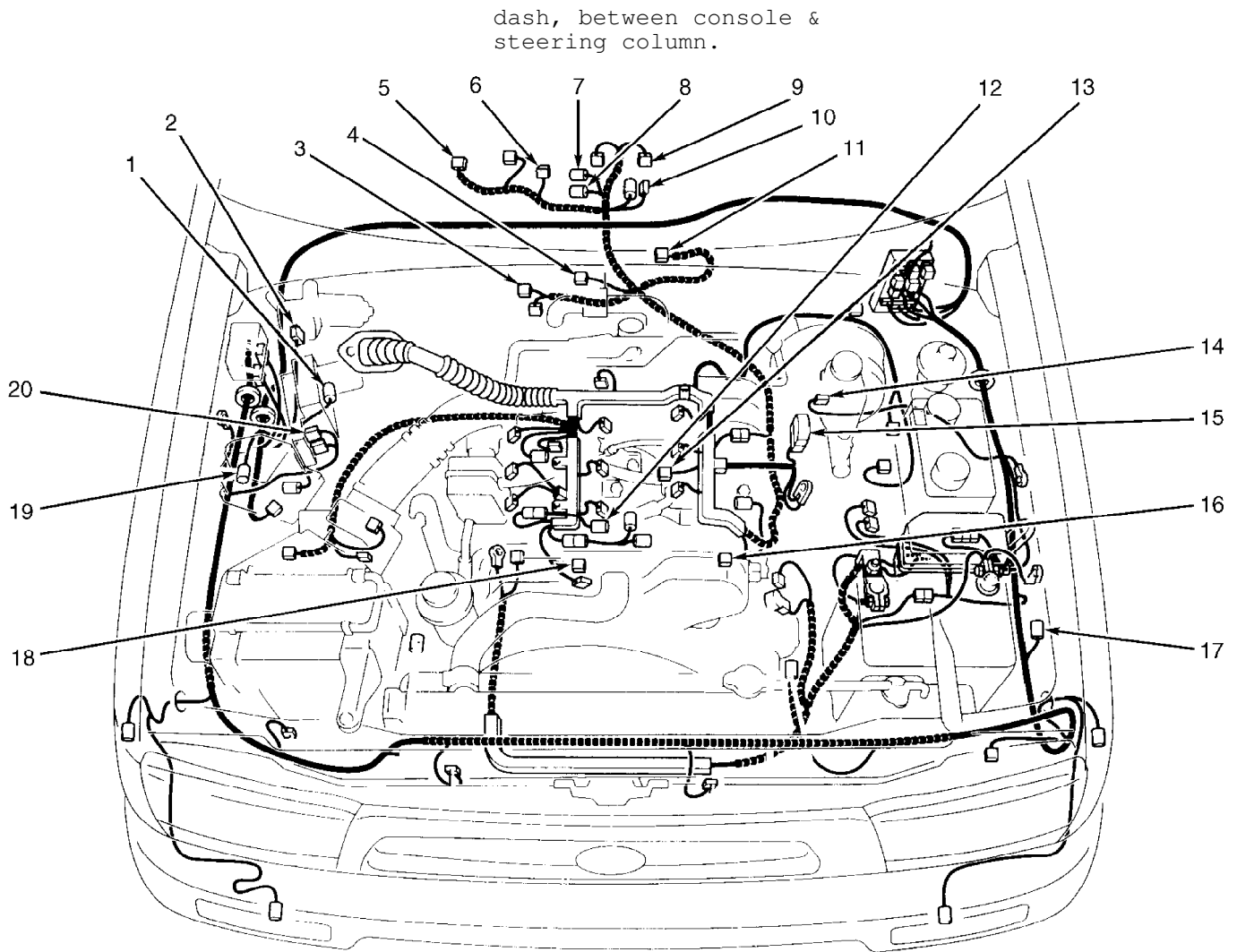
MISCELLANEOUS

Component	Component Location
A/C Thermistor	Behind right side of dash.
Blower Resistor	Behind right side of dash.



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. A/C Dual Pressure Switch 2. Front Wiper Motor 3. Heated Oxygen Sensor (Bank 1 Sensor 1) 4. A/T Fluid Temperature Sensor 5. Heated Oxygen Sensor (Bank 1 Sensor 2) 6. Detection Switch (Transfer 4WD Position) (w/o 2-4 Select Switch) 7. Detection Switch (Transfer Neutral Position) 8. Detection Switch (Transfer L4 Position) 9. Detection Switch (Transfer 4WD Position) (w/2-4 Select Switch) | <ul style="list-style-type: none"> 10. Electronically Controlled Transmission Solenoid 11. Back-Up Light Switch 12. Engine Coolant Temperature Sensor 13. ADD Indicator Switch 14. Brake Fluid Level Warning Switch 15. Data Link Connector (DLC) No. 1 16. Crankshaft Position Sensor 17. Daytime Running Light Resistor 18. Camshaft Position Sensor 19. Auto Antenna Motor 20. ABS Actuator |
|---|---|

98D02294 Data Link Connector (DLC) No. 1	On left side of engine compartment.
Data Link Connector (DLC) No. 3	Under center left side of



- | | |
|--|---|
| 1. A/C Dual Pressure Switch | 10. Electronically Controlled Transmission Solenoid |
| 2. Front Wiper Motor | 11. Back-Up Light Switch |
| 3. Heated Oxygen Sensor (Bank 1 Sensor 1) | 12. Engine Coolant Temperature Sensor |
| 4. A/T Fluid Temperature Sensor | 13. ADD Indicator Switch |
| 5. Heated Oxygen Sensor (Bank 1 Sensor 2) | 14. Brake Fluid Level Warning Switch |
| 6. Detection Switch (Transfer 4WD Position)
(w/o 2-4 Select Switch) | 15. Data Link Connector (DLC) No. 1 |
| 7. Detection Switch (Transfer Neutral Position) | 16. Crankshaft Position Sensor |
| 8. Detection Switch (Transfer L4 Position) | 17. Daytime Running Light Resistor |
| 9. Detection Switch (Transfer 4WD Position)
(w/2-4 Select Switch) | 18. Camshaft Position Sensor |
| | 19. Auto Antenna Motor |
| | 20. ABS Actuator |

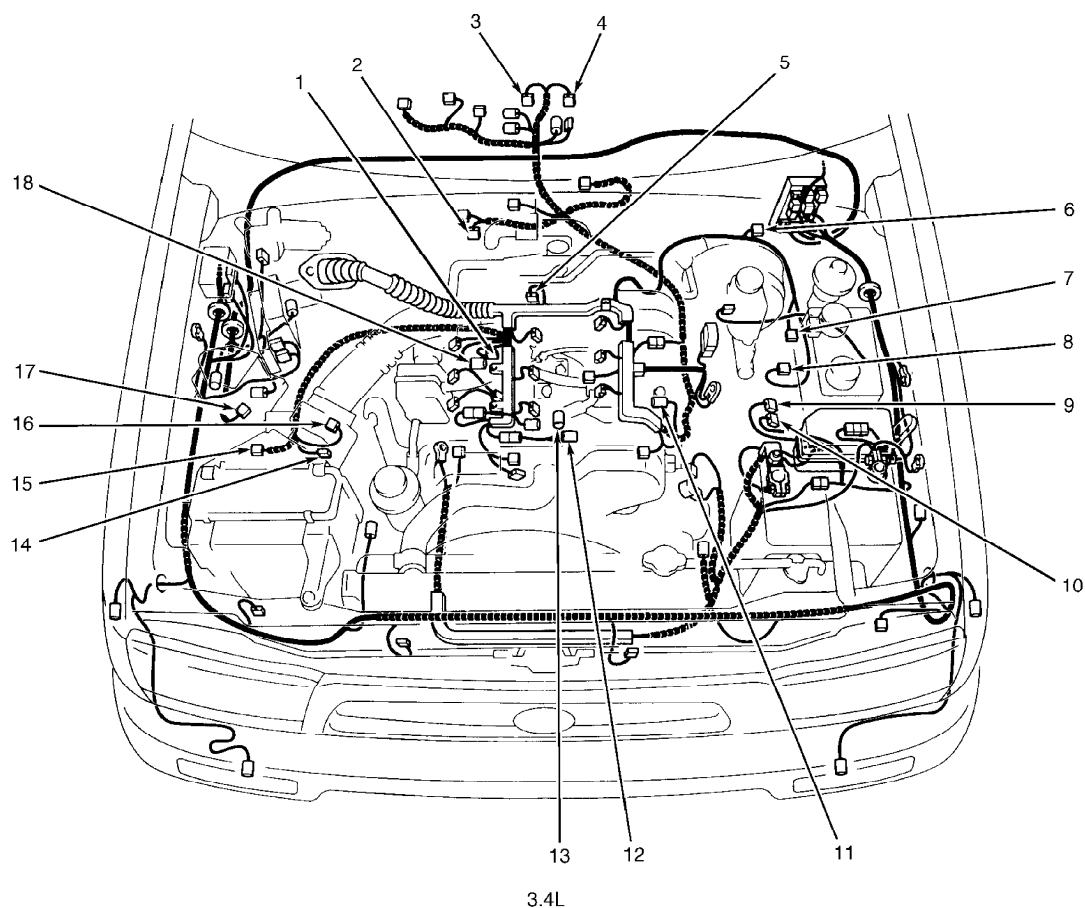
98D02294
Daytime Running Light Resistor

On left front of engine
compartment.

Diode (Back Window)

Behind right side of dash, on
top.

Diode (Daytime Running Light No. 1)	Behind right side of dash, on top.
Diode (Daytime Running Light No. 2)	Behind right side of dash, on top.
Diode (Door Courtesy)	Behind center of dash, on top.
Diode (Idle Up)	Behind center of dash, on top.
Diode (Power Window)	Behind center of dash, on top.
Ignition Coils (3)	On top right side of engine.



- 3.4L
- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

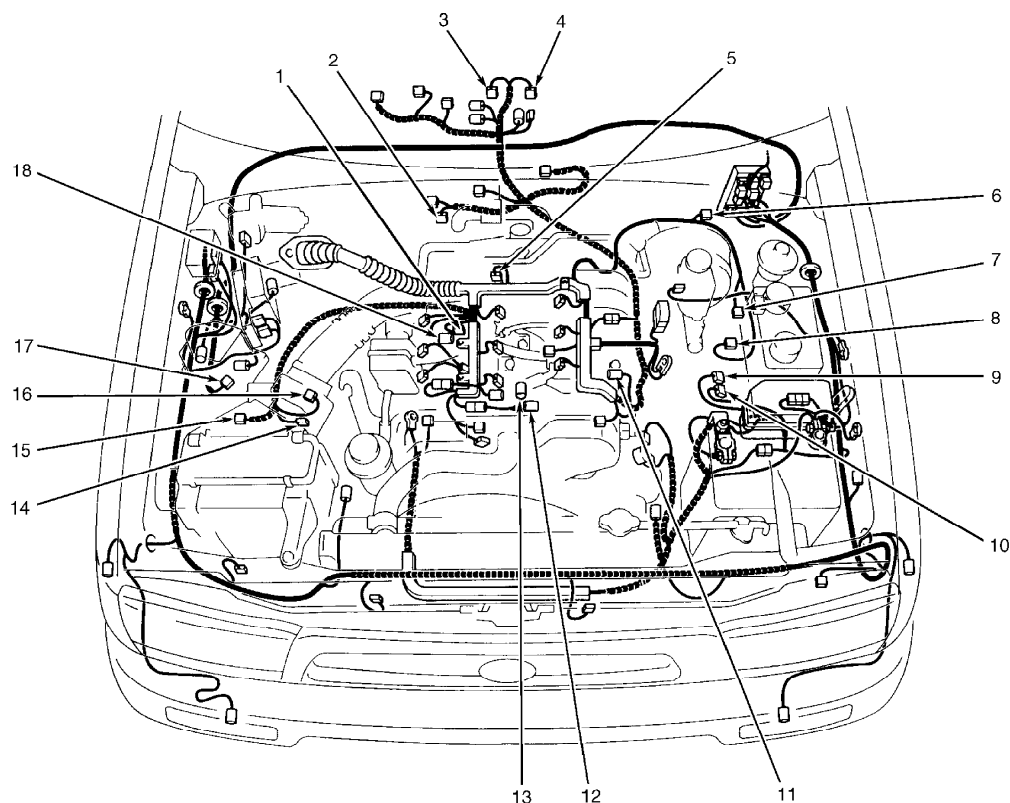
98102296
Ignitor

On right side of engine compartment.

Junction Connector

On left side of rear door.

Junction Connectors (2)	At right kick panel.
Junction Connectors (2)	Behind center left side of dash, on top.
Junction Connectors (2)	Behind left side of dash, on top.
Junction Connectors (2)	On left inner fender panel, front of strut tower.
Junction Connectors (3)	Behind right side of dash, on top.
Junction Connectors (4)	In front of left rear wheel well.



3.4L

- | | |
|---|---|
| 1. Throttle Position Sensor | 11. Oil Pressure Switch |
| 2. Park/Neutral Position Switch | 12. Knock Sensor No. 1 |
| 3. 2-4 Select Motor | 13. Knock Sensor No. 2 |
| 4. Vehicle Speed Sensor
(Electronically Controlled Transmission) | 14. Noise Filter |
| 5. Water Temperature Sender | 15. Ignitor |
| 6. Vapor Pressure Sensor | 16. Mass Airflow Meter |
| 7. VSV (EVAP) | 17. Washer Motor (USA),
Washer Motor & Washer Level
Warning Switch (Canada) |
| 8. VSV (Vapor Pressure Sensor) | 18. Idle Air Control Valve |
| 9. VSV (2WD, ADD) | |
| 10. VSV (4WD, ADD) | |

98102296
Noise Filter

On right side of engine compartment.

Rear Heater Blower Resistor

On rear heater unit.

