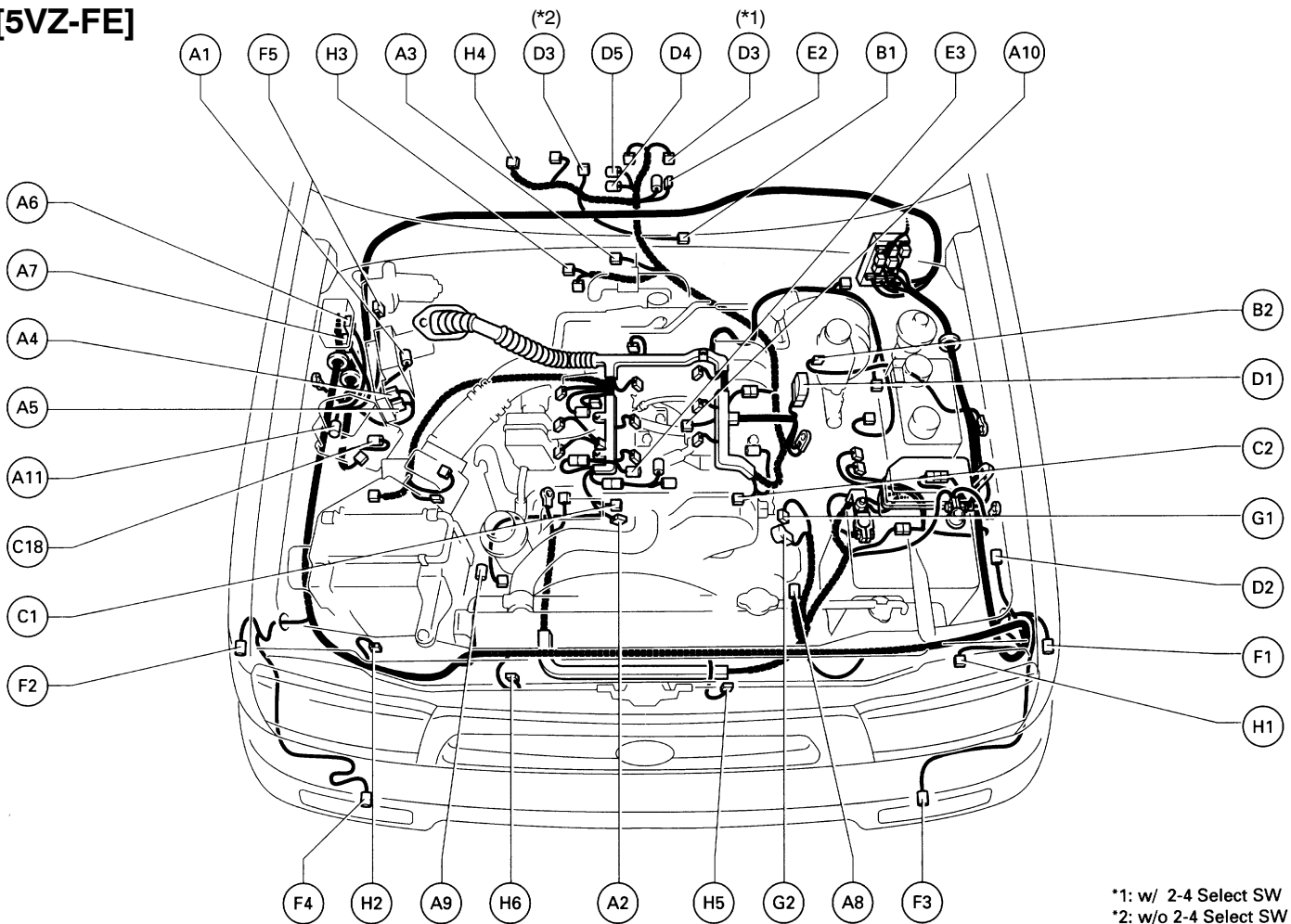


# G ELECTRICAL WIRING ROUTING

## Position of Parts in Engine Compartment

[5VZ-FE]

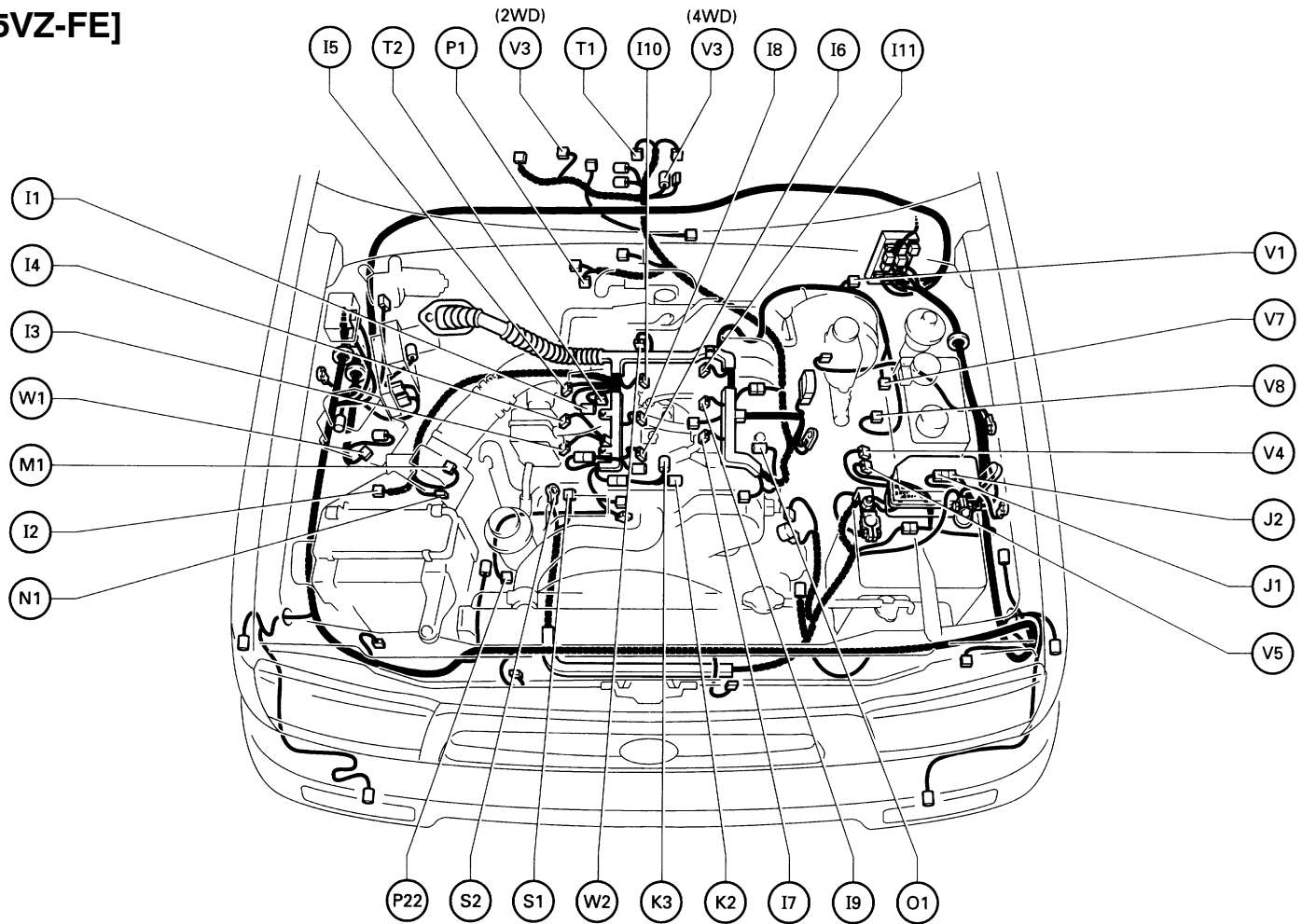


\*1: w/ 2-4 Select SW  
\*2: w/o 2-4 Select SW

- |      |                                      |     |   |
|------|--------------------------------------|-----|---|
| A 1  | A/C Dual Pressure SW                 | D 4 | Detection SW (Transfer L4 Position)             |
| A 2  | A/C Magnetic Clutch                  | D 5 | Detection SW (Transfer Neutral Position)        |
| A 3  | A/T Fluid Temp. Sensor               | E 2 | Electronically Controlled Transmission Solenoid |
| A 4  | ABS Actuator                         | E 3 | Engine Coolant Temp. Sensor                     |
| A 5  | ABS Actuator                         | F 1 | Front Parking Light LH                          |
| A 6  | ABS Relay                            | F 2 | Front Parking Light LH                          |
| A 7  | ABS Relay                            | F 3 | Front Turn Signal Light LH                      |
| A 8  | ABS Speed Sensor Front LH            | F 4 | Front Turn Signal Light RH                      |
| A 9  | ABS Speed Sensor Front RH            | F 5 | Front Wiper Motor                               |
| A 10 | ADD Indicator SW                     | G 1 | Generator                                       |
| A 11 | Auto Antenna Motor                   | G 2 | Generator                                       |
| B 1  | Back-Up Light SW                     | H 1 | Headlight LH                                    |
| B 2  | Brake Fluid Level Warning SW         | H 2 | Headlight RH                                    |
| C 1  | Camshaft Position Sensor             | H 3 | Heated Oxygen Sensor (Bank 1 Sensor 1)          |
| C 2  | Crankshaft Position Sensor           | H 4 | Heated Oxygen Sensor (Bank 1 Sensor 2)          |
| C 18 | Cruise Control Actuator with ECU     | H 5 | Horn LH   |
| D 1  | Data Link Connector 1                | H 6 | Horn RH   |
| D 2  | Daytime Running Light Resistor       |     |   |
| D 3  | Detection SW (Transfer 4WD Position) |     |   |

## Position of Parts in Engine Compartment

**[5VZ-FE]**



I 1 Idle Air Control Valve  
 I 2 Igniter  
 I 3 Ignition Coil No. 1  
 I 4 Ignition Coil No. 2  
 I 5 Ignition Coil No. 3  
 I 6 Injector No. 1  
 I 7 Injector No. 2  
 I 8 Injector No. 3  
 I 9 Injector No. 4  
 I 10 Injector No. 5  
 I 11 Injector No. 6

J 1 Junction Connector  
 J 2 Junction Connector

K 2 Knock Senosr No. 1  
 K 3 Knock Senosr No. 2

M 1 Mass Air Flow Meter

N 1 Noise Filter

O 1 Oil Pressure SW

P 1 Park/Neutral Position SW  
 P 22 Power Steering Oil Pressure SW

S 1 Starter  
 S 2 Starter

T 1 2-4 Select Motor  
 T 2 Throttle Position Sensor

V 1 Vapor Pressure Sensor  
 V 3 Vehicle Speed Sensor (Electronically Controlled Transmission)  
 V 4 VSV (2WD, ADD)  
 V 5 VSV (4WD, ADD)  
 V 7 VSV (EVAP)  
 V 8 VSV (Vapor Pressure Sensor)

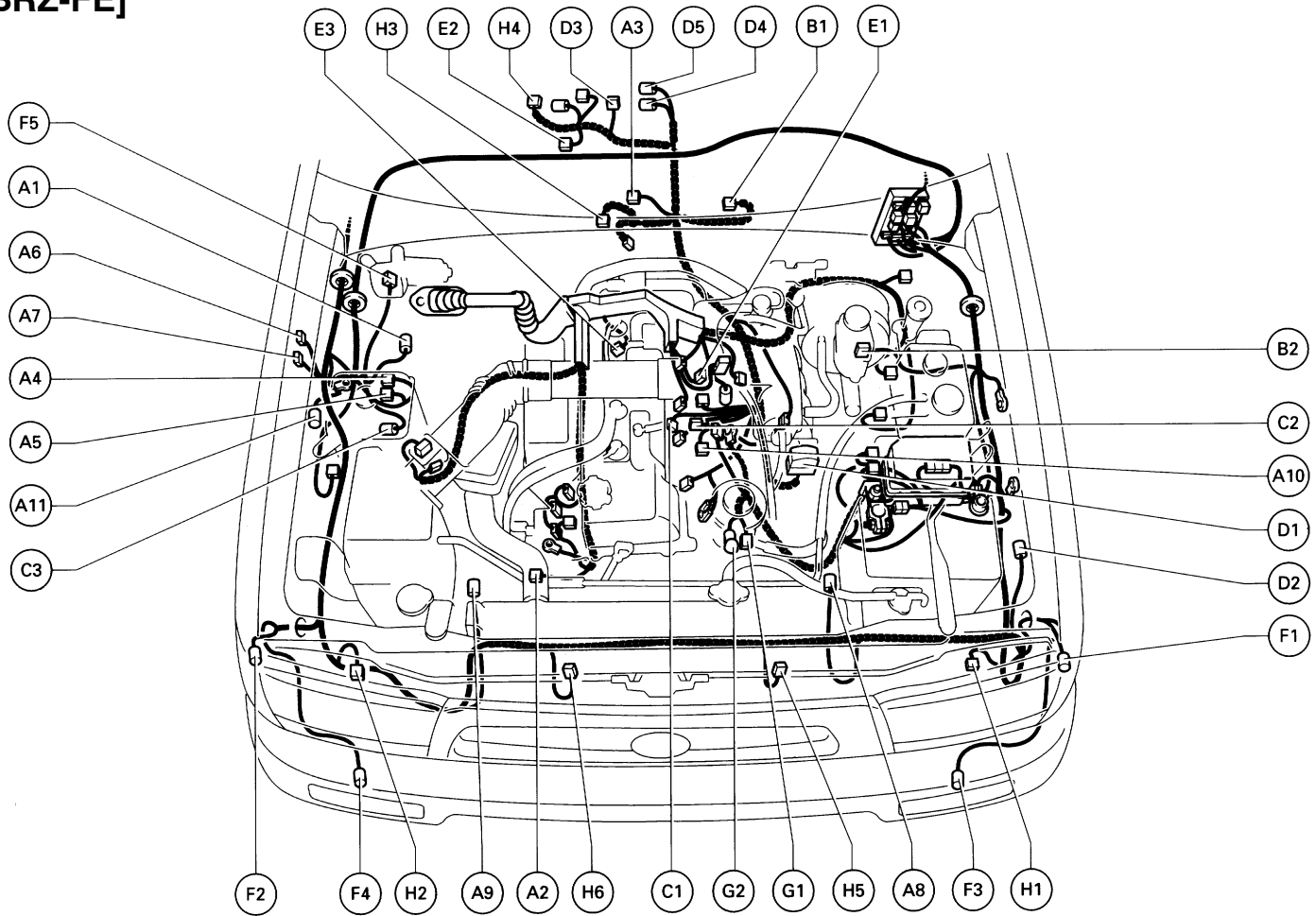
W 1 Washer Motor (USA), Washer Motor and Washer Level Warning SW (Canada)

W 2 Water Temp. Sender

# G ELECTRICAL WIRING ROUTING

## Position of Parts in Engine Compartment

[3RZ-FE]



- A 1 A/C Dual Pressure SW
- A 2 A/C Magnetic Clutch
- A 3 A/T Fluid Temp. SW
- A 4 ABS Actuator
- A 5 ABS Actuator
- A 6 ABS Relay
- A 7 ABS Relay
- A 8 ABS Speed Sensor Front LH
- A 9 ABS Speed Sensor Front RH
- A 10 ADD Indicator SW
- A 11 Auto Antenna Motor

- B 1 Back-Up Light SW
- B 2 Brake Fluid Level Warning SW

- C 1 Camshaft Position Sensor
- C 2 Crankshaft Position Sensor
- C 3 Cruise Control Actuator

- D 1 Data Link Connector 1
- D 2 Daytime Running Light Resistor
- D 3 Detection SW (Transfer 4WD Position)

- D 4 Detection SW (Transfer L4 Position)
- D 5 Detection SW (Transfer Neutral Position)

- E 1 EGR Gas Temp. Sensor
- E 2 Electronically Controlled Transmission Solenoid
- E 3 Engine Coolant Temp. Sensor

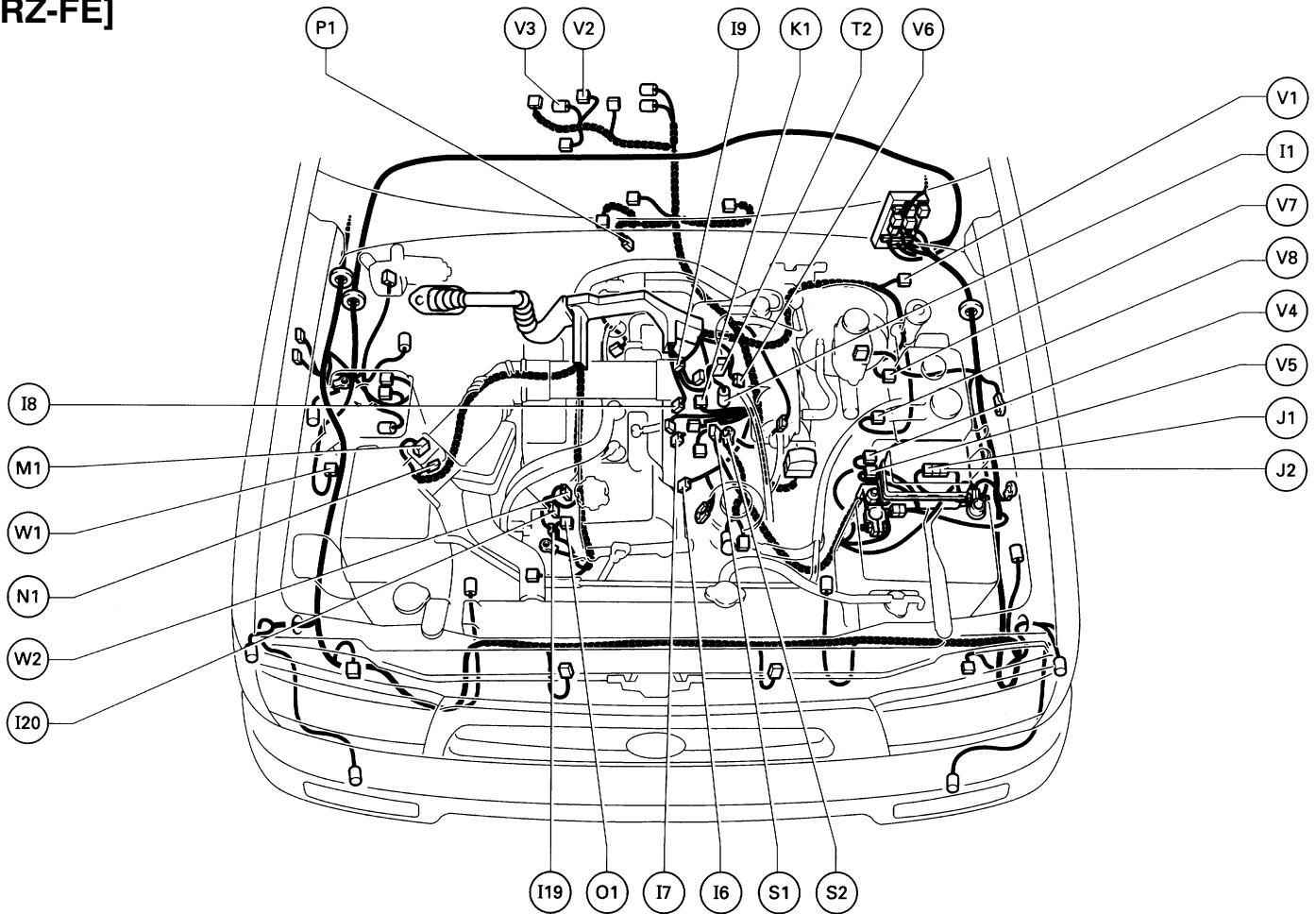
- F 1 Front Parking Light LH
- F 2 Front Parking Light RH
- F 3 Front Turn Signal Light LH
- F 4 Front Turn Signal Light RH
- F 5 Front Wiper Motor

- G 1 Generator
- G 2 Generator

- H 1 Headlight LH
- H 2 Headlight RH
- H 3 Heated Oxygen Sensor (Bank 1 Sensor 1)
- H 4 Heated Oxygen Sensor (Bank 1 Sensor 2)
- H 5 Horn LH
- H 6 Horn RH

## Position of Parts in Engine Compartment

[3RZ-FE]



I 1 Idle Air Control Valve  
 I 6 Injector No. 1  
 I 7 Injector No. 2  
 I 8 Injector No. 3  
 I 9 Injector No. 4  
 I 19 Ignition Coil and Igniter No. 1  
 I 20 Ignition Coil and lighter No. 2

J 1 Junction Connector  
 J 2 Junction Connector

K 1 Knock Sensor

M 1 Mass Air Flow Meter

N 1 Noise Filter

O 1 Oil Pressure SW

P 1 Park/Neutral Position SW

S 1 Starter  
 S 2 Starter

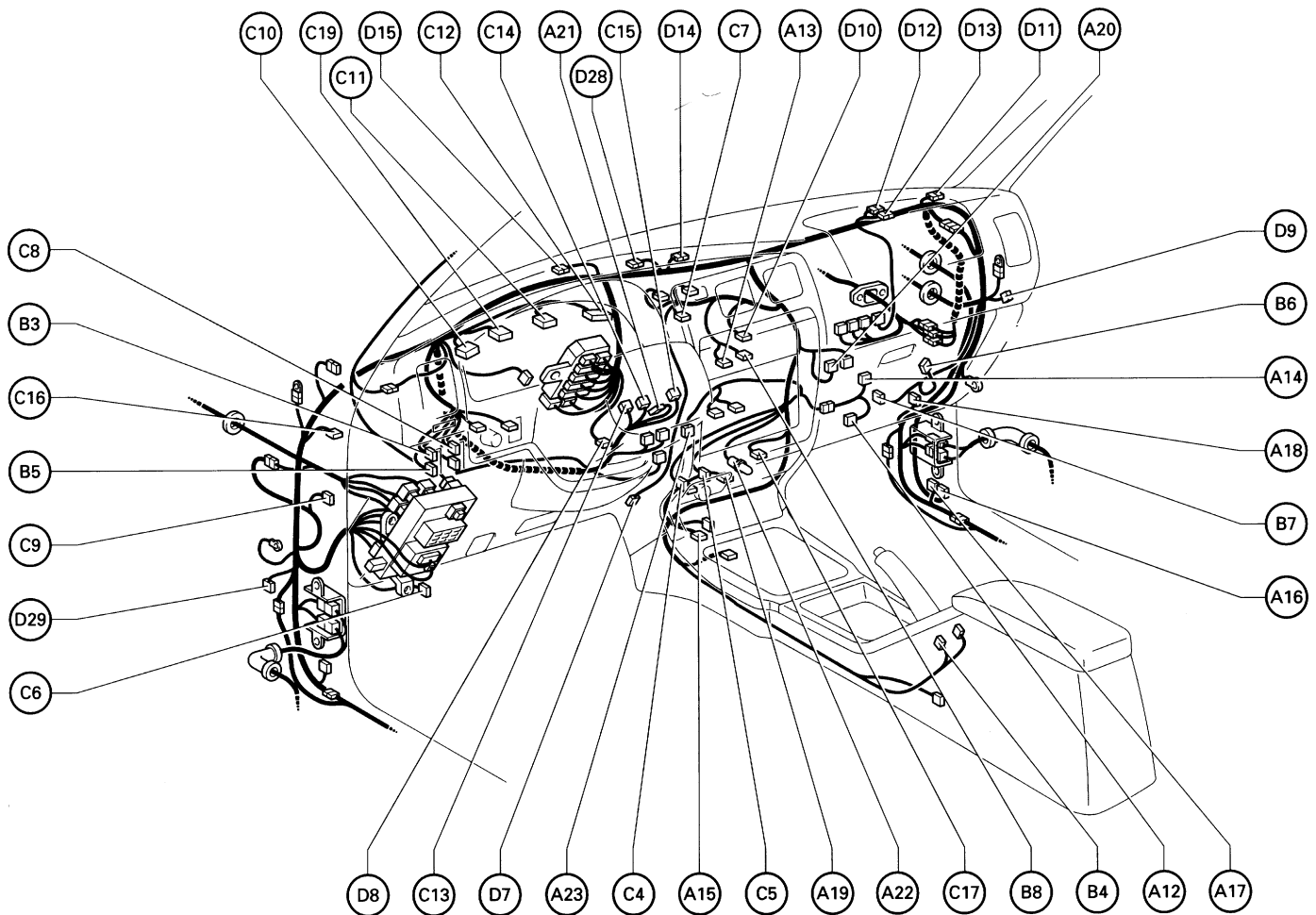
T 2 Throttle Position Sensor

V 1 Vapor Pressure Sensor  
 V 2 Vehicle Speed Sensor (Combination Meter)  
 V 3 Vehicle Speed Sensor (Electronically Controlled Transmission)  
 V 4 VSV (2WD, ADD)  
 V 5 VSV (4WD, ADD)  
 V 6 VSV (EGR)  
 V 7 VSV (EVAP)  
 V 8 VSV (Vapor Pressure Sensor)

W 1 Washer Motor (USA), Washer Motor and Washer Level Warning SW (Canada)  
 W 2 Water Temp. Sender

# G ELECTRICAL WIRING ROUTING

## Position of Parts in Instrument Panel

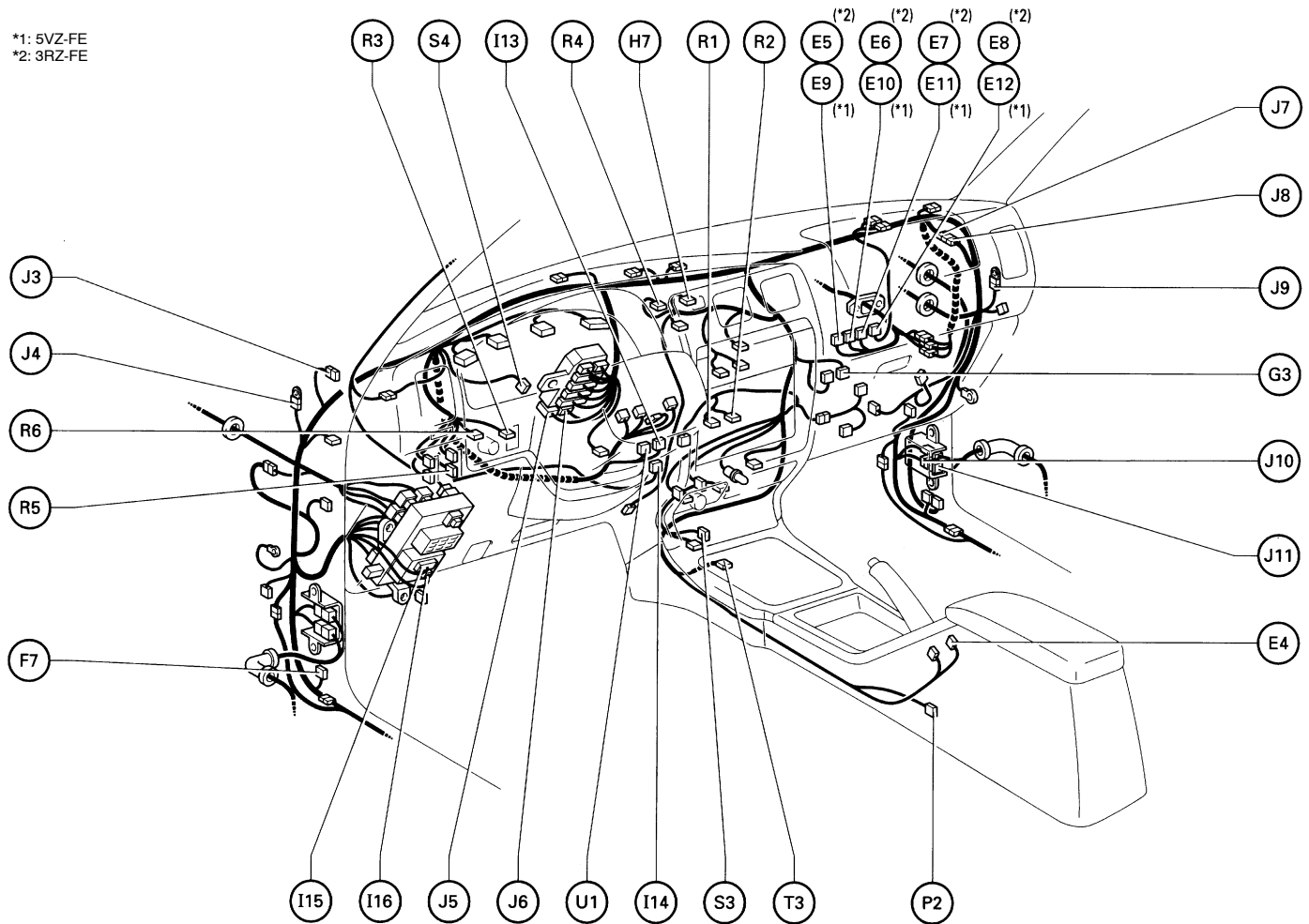


- A 12 A/C Amplifier
- A 13 A/C SW
- A 14 A/C Thermistor
- A 15 ABS Deceleration Sensor
- A 16 ABS ECU
- A 17 ABS ECU
- A 18 ADD Control Relay
- A 19 Airbag Sensor Assembly
- A 20 Airbag Squib (Front Passenger Airbag Assembly)
- A 21 Airbag Squib (Steering Wheel Pad)
- A 22 Ashtray Illumination
- A 23 Auto Antenna Control Relay
  
- B 3 Back Door Lock Control SW
- B 4 Back Window Control SW
- B 5 Back Window Lock SW
- B 6 Blower Motor
- B 7 Blower Resistor
- B 8 Blower SW
  
- C 4 Cigarette Lighter
- C 5 Cigaretter Lighter Illumination
- C 6 Circuit Opening Relay

- C 7 Clock
- C 8 Clutch Start Cancel SW
- C 9 Clutch Start SW
- C 10 Combination Meter
- C 11 Combination Meter
- C 12 Combination Meter
- C 13 Combination SW
- C 14 Combination SW
- C 15 Combination SW
- C 16 Cruise Control Clutch SW
- C 17 Cruise Control ECU
- C 19 Combination Meter
  
- D 7 Data Link Connector 3
- D 8 Daytime Running Light Relay (Main)
- D 9 Daytime Running Light Relay No. 4
- D 10 Defroster Mode SW
- D 11 Diode (Back Window)
- D 12 Diode (Daytime Running Light No. 1)
- D 13 Diode (Daytime Running Light No. 2)
- D 14 Diode (Door Courtesy)
- D 15 Diode (Power Window)
- D 28 Diode (Idle-Up)
- D 29 Diff. Lock ECU

## Position of Parts in Instrument Panel

\*1: 5VZ-FE  
\*2: 3RZ-FE



E 4 Electronically Controlled Transmission Pattern Select SW

E 5 Engine Control Module  
E 6 Engine Control Module  
E 7 Engine Control Module  
E 8 Engine Control Module  
E 9 Engine Control Module  
E 10 Engine Control Module  
E 11 Engine Control Module  
E 12 Engine Control Module

F 7 4WD ECU

G 3 Glove Box Light

H 7 Hazard SW

I 13 Ignition Key Cylinder Light

I 14 Ignition SW

I 15 Integration Relay

I 16 Integration Relay

J 3 Junction Connector

J 4 Junction Connector

J 5 Junction Connector

J 6 Junction Connector

J 7 Junction Connector

J 8 Junction Connector

J 9 Junction Connector

J 10 Junction Connector

J 11 Junction Connector

P 2 Parking Brake SW

R 1 Radio and Player (Built-In Type Amplifier) or Stereo Power Amplifier (Separate Type Amplifier)

R 2 Radio and Player (Built-In Type Amplifier) or Stereo Power Amplifier (Separate Type Amplifier)

R 3 Rear Diff. Lock Control SW

R 4 Rear Window Defogger SW

R 5 Remote Control Mirror SW

R 6 Rheostat

S 3 Shift Lock Control Computer

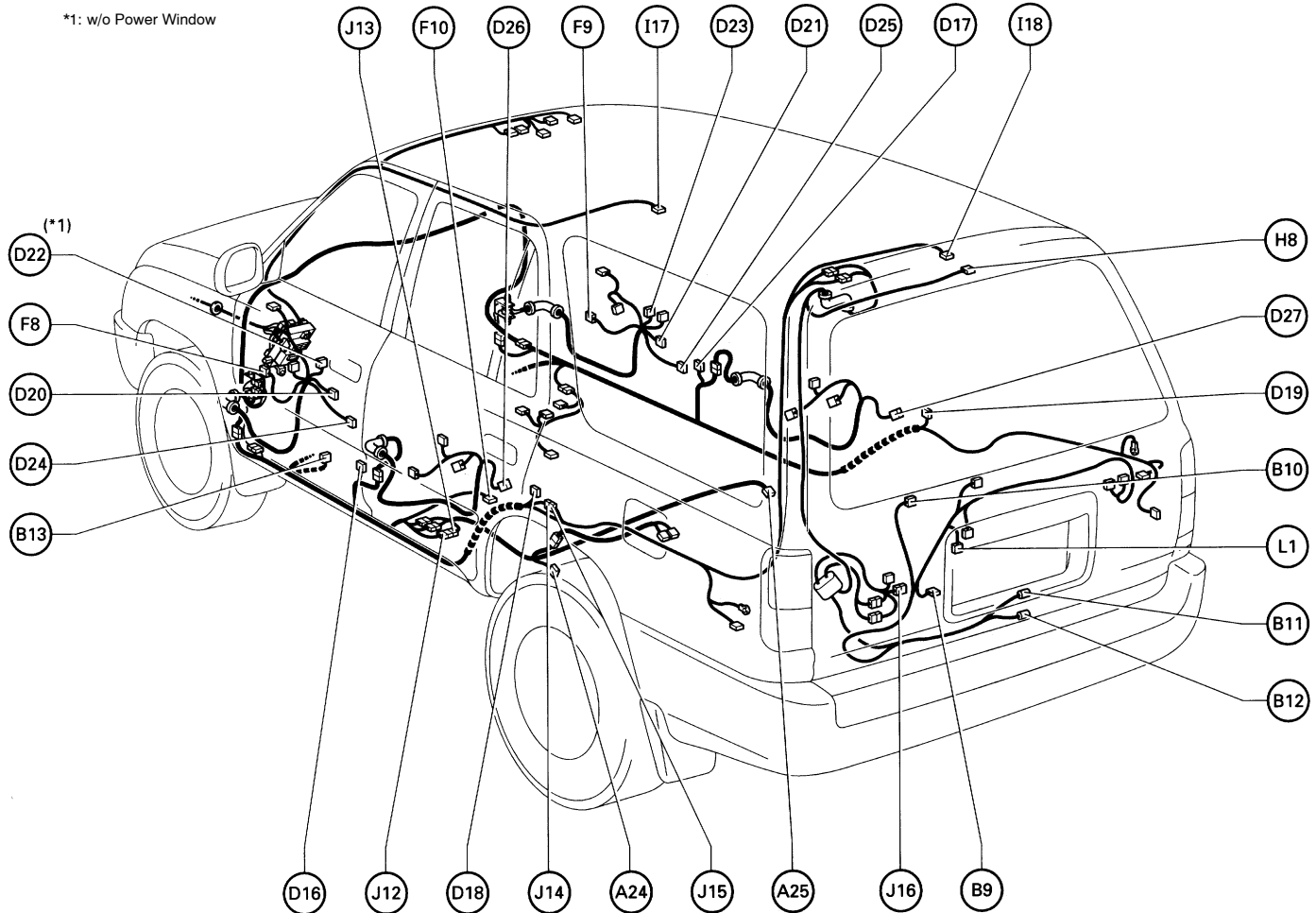
S 4 Stop Light SW

T 3 2-4 Select SW

U 1 Unlock Warning SW

# G ELECTRICAL WIRING ROUTING

## Position of Parts in Body



A 24 ABS Speed Sensor Rear LH  
A 25 ABS Speed Sensor Rear RH

B 9 Back Door Courtesy SW  
B 10 Back Door Lock Motor  
B 11 Back Window Limit SW  
B 12 Back Window Motor  
B 13 Buckle SW (w/o Power Seat)

D 16 Door Courtesy SW Front LH  
D 17 Door Courtesy SW Front RH  
D 18 Door Courtesy SW Rear LH  
D 19 Door Courtesy SW Rear RH  
D 20 Door Key Lock and Unlock SW Front LH  
D 21 Door Key Lock and Unlock SW Front RH  
D 22 Door Lock Control SW Front LH (w/o Power Window)  
D 23 Door Lock Control SW Front RH  
D 24 Door Lock Motor and Door Unlock Detection SW Front LH  
D 25 Door Lock Motor and Door Unlock Detection SW Front RH

D 26 Door Lock Motor Rear LH  
D 27 Door Lock Motor Rear RH

F 8 Front Door Speaker LH  
F 9 Front Door Speaker RH  
F 10 Fuel Sender and Fuel Pump

H 8 High Mounted Stop Light

I 17 Interior Light (Front)  
I 18 Interior Light (Rear)

J 12 Junction Connector  
J 13 Junction Connector  
J 14 Junction Connector  
J 15 Junction Connector  
J 16 Junction Connector

L 1 License Plate Light