



TOYOTA

Service Bulletin

Section : Body
Electrical
Ref. No. : BE-1009

Date : Apr., 2001
Page : 1 of 1

Area Application : Europe

Model Name : TOYOTA RAV4

Model Code : CLA20

Subject : ELECTRICAL WIRING DIAGRAM

This Service Bulletin is to inform you of the Electrical Wiring Diagram for RAV4 equipped with 1CD-FTV engine.

The attached pages will be applied to the following manual.

Pub. No.	Publication Name
EWD416F	RAV4 Electrical Wiring Diagram

Production Effective :

VIN	Production Date
---	From May, 2001



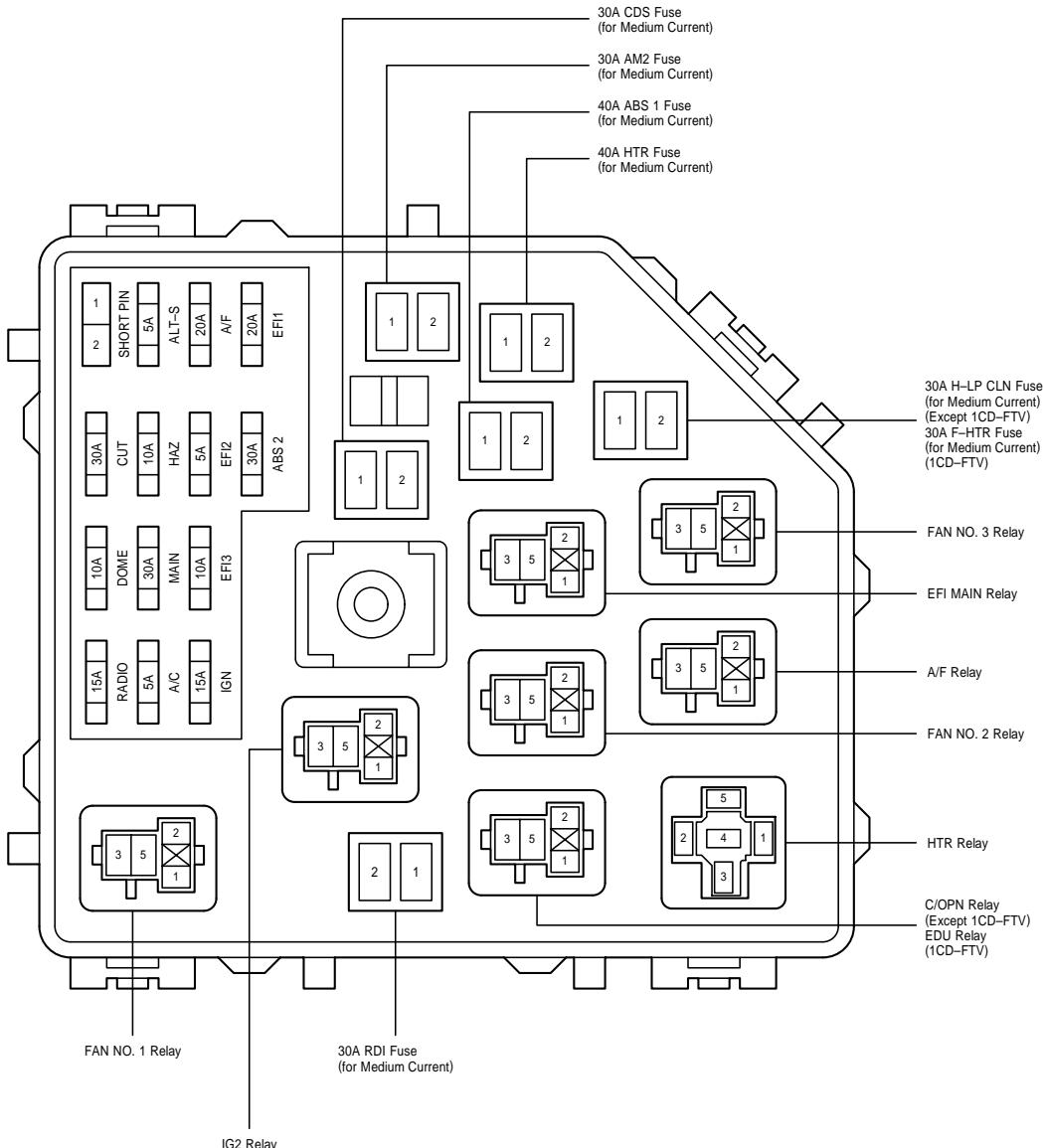
TOYOTA MOTOR CORPORATION

Overseas Service Division

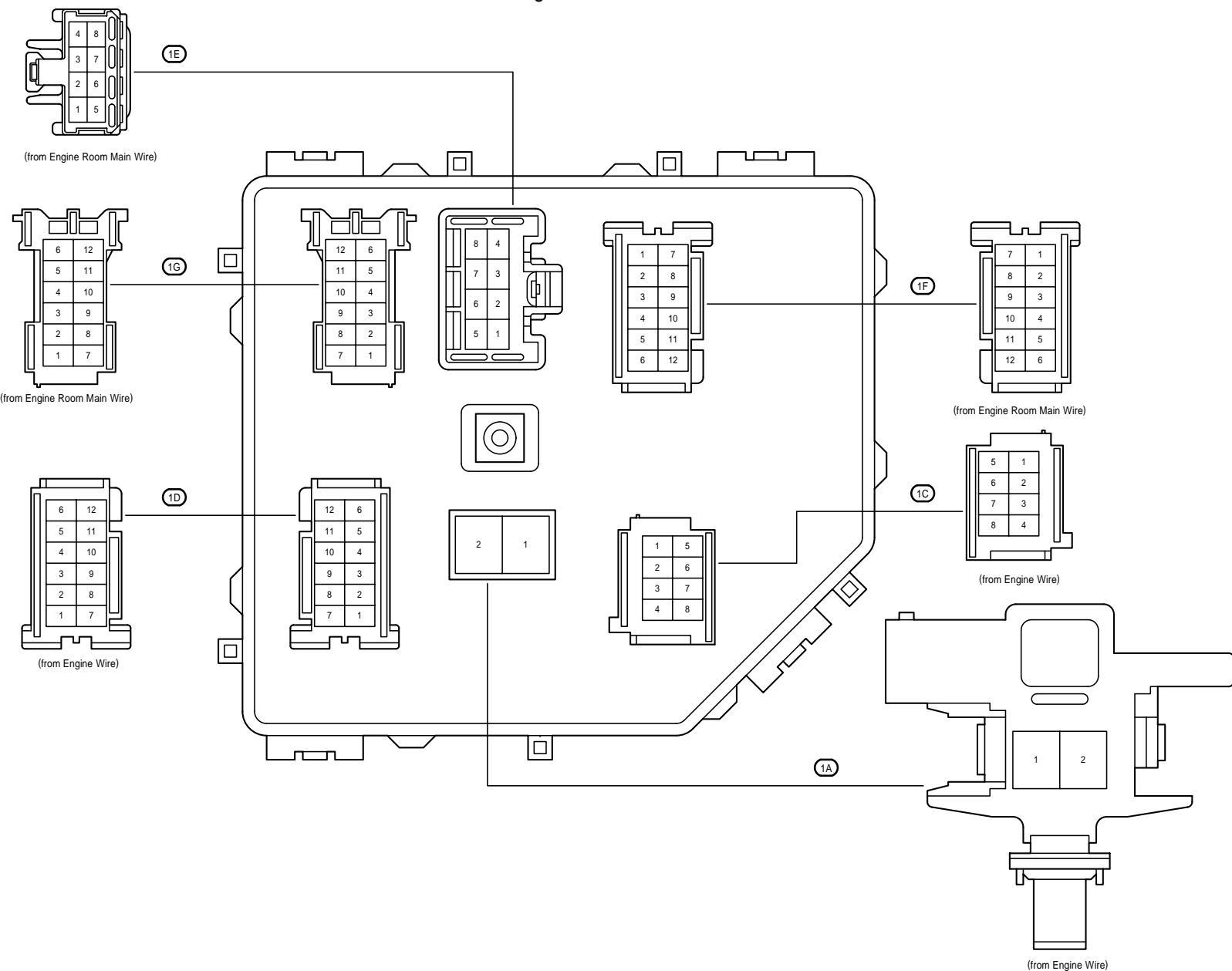
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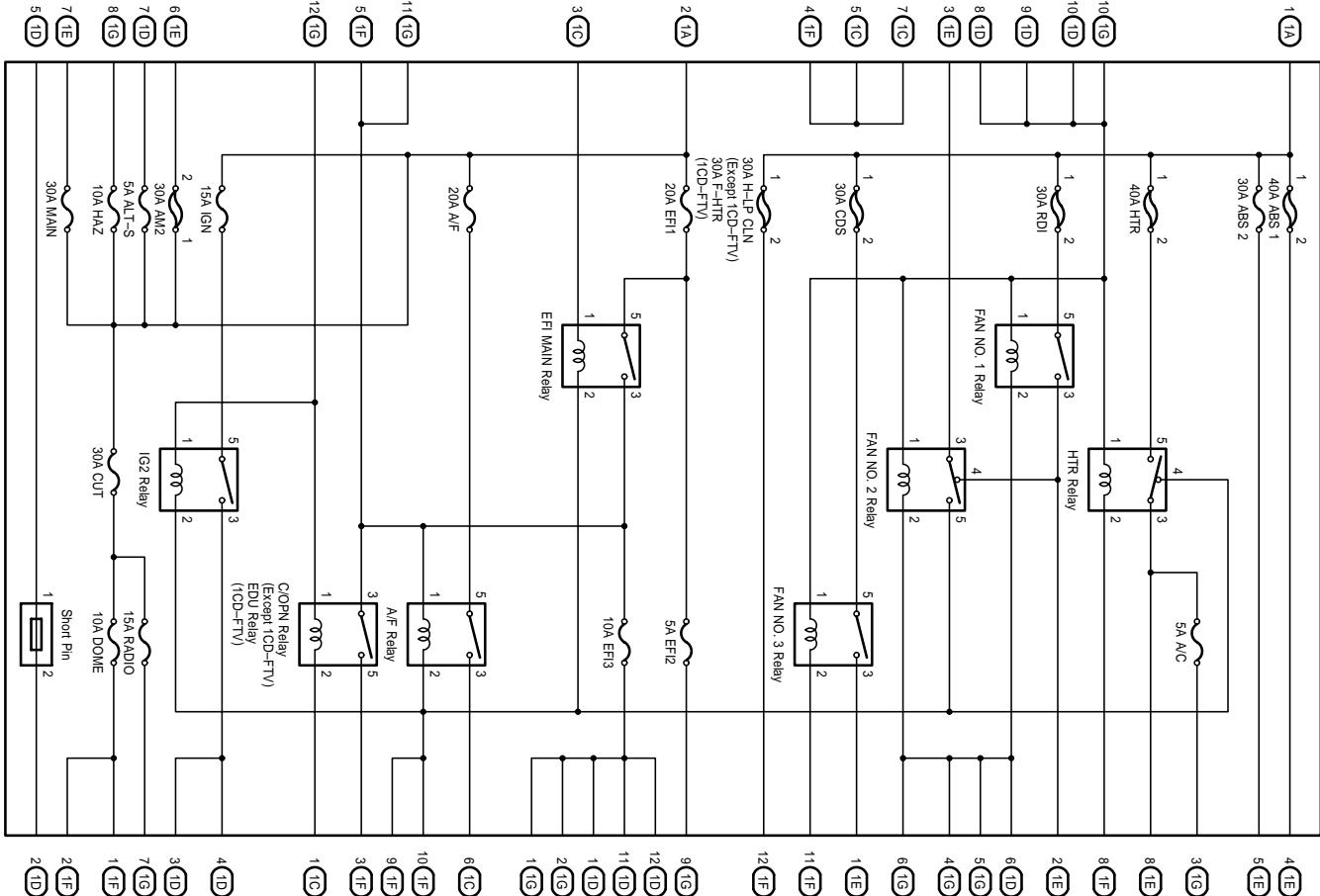
Engine Room J/B



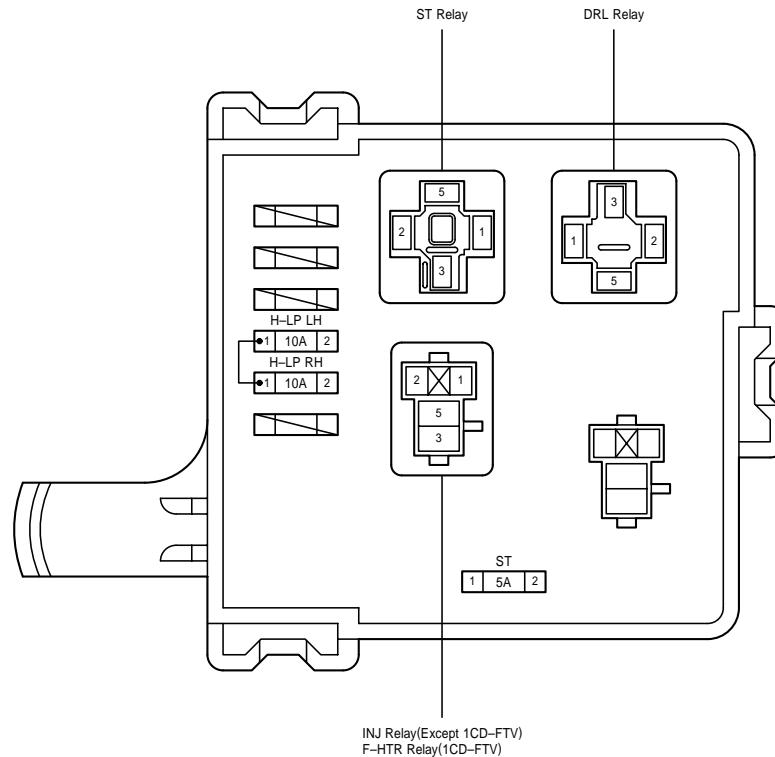
Engine Room J/B



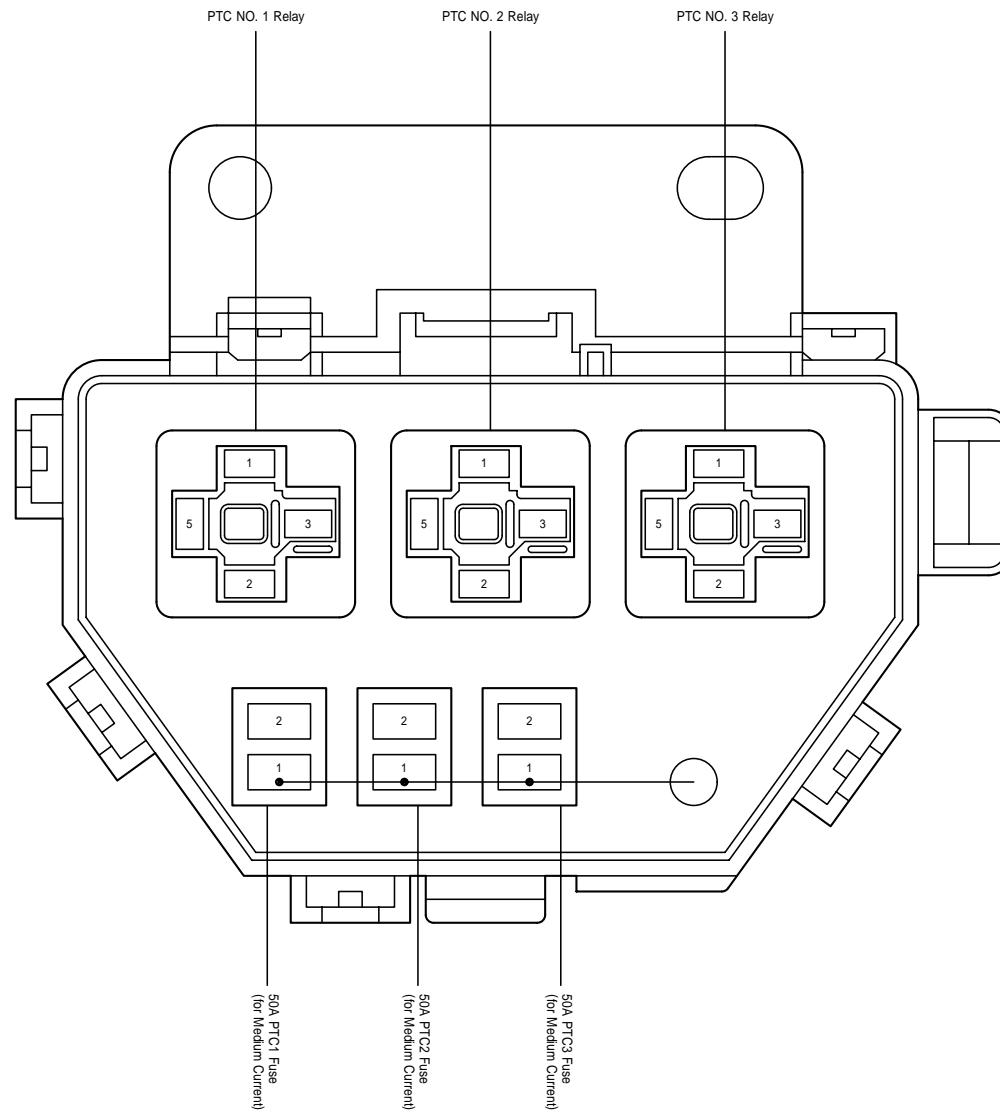
Engine Room J/B Inner Circuit



Engine Room R/B

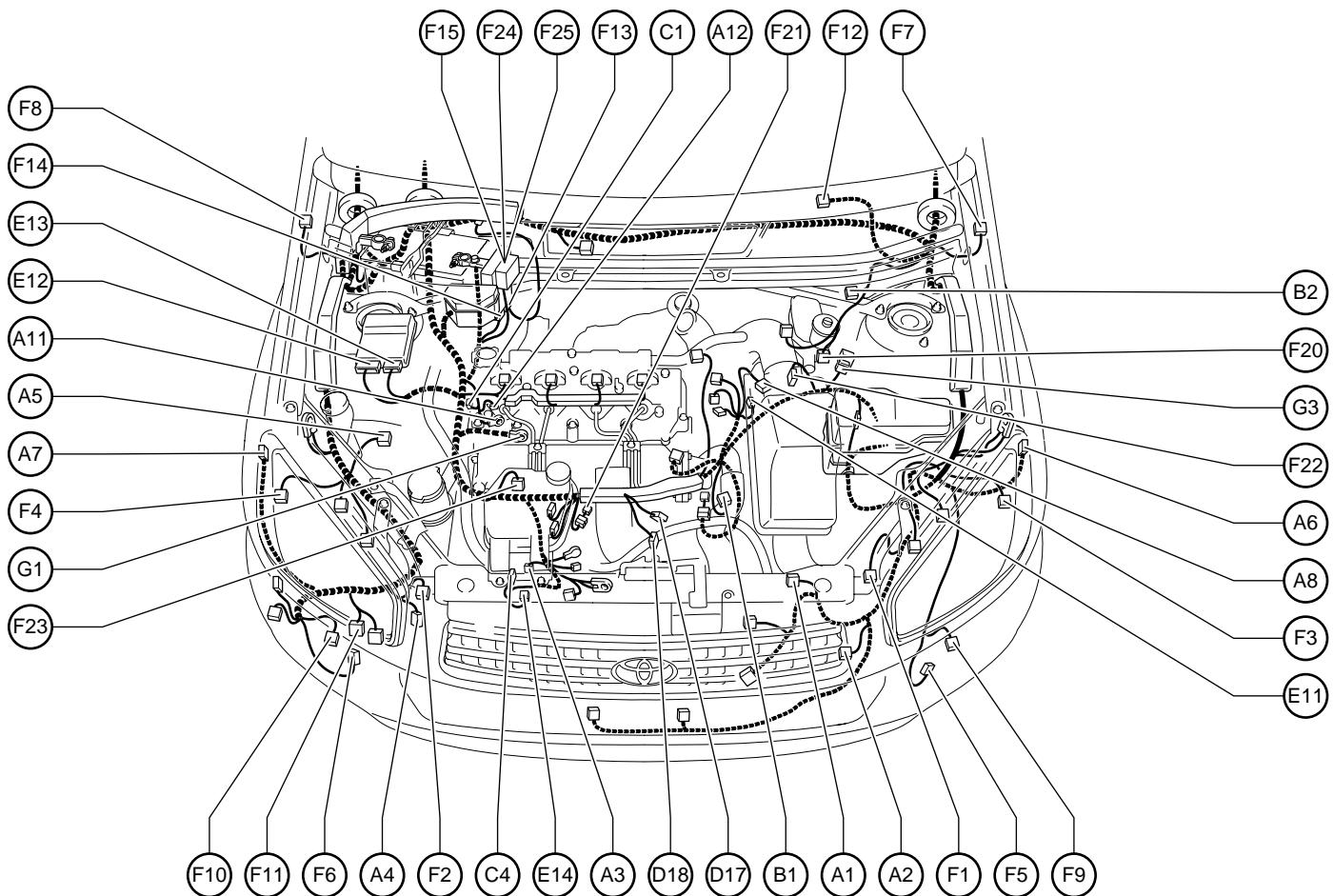


Engine Room R/B No. 2



Position of Parts in Engine Compartment

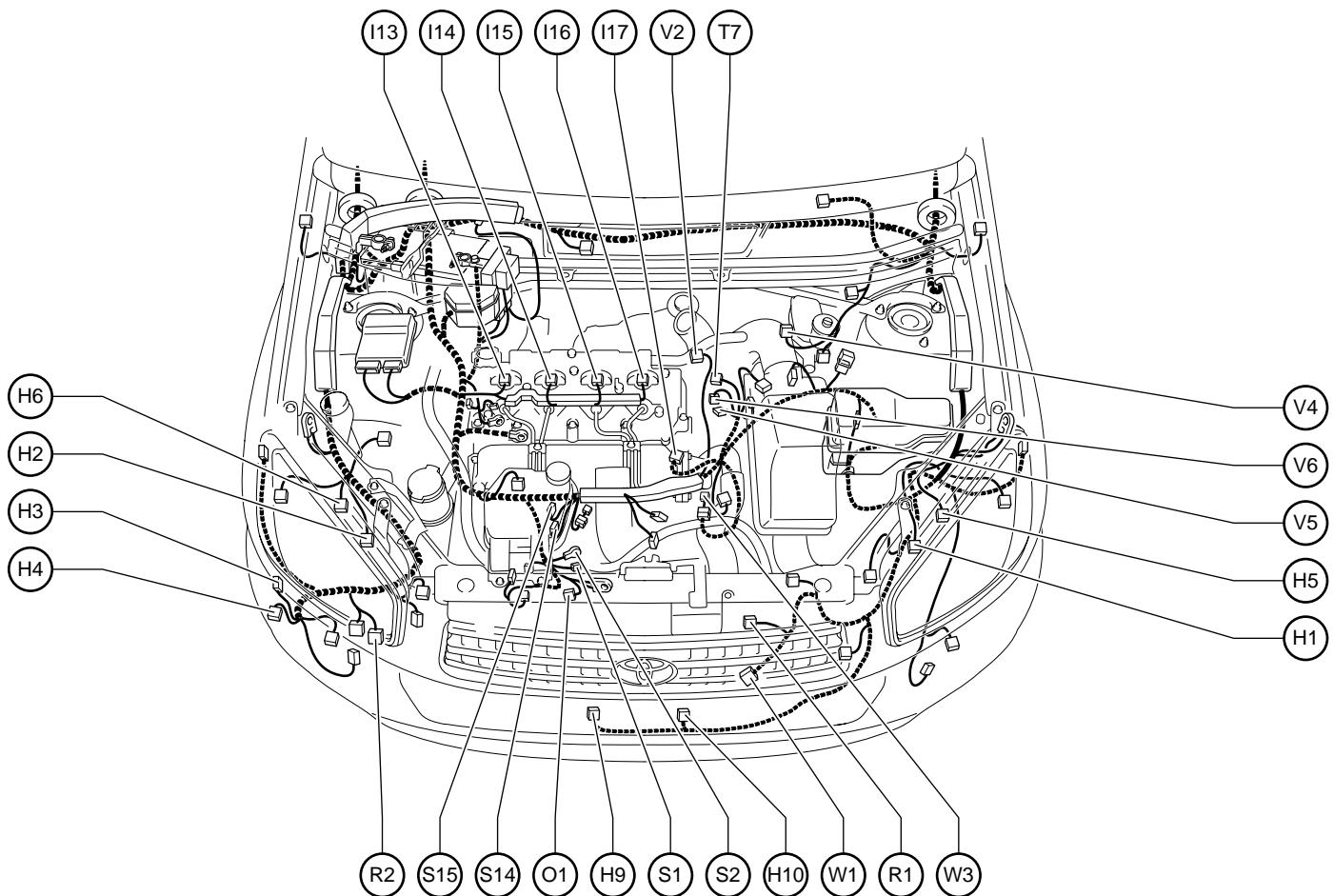
[LHD : 1CD-FTV]



- | | |
|---|-------------------------------------|
| A 1 A/C Condenser Fan Motor | F 1 Front Airbag Sensor LH |
| A 2 A/C Evaporator Temp. Sensor | F 2 Front Airbag Sensor RH |
| A 3 A/C Magnetic Clutch and Lock Sensor | F 3 Front Clearance Light LH |
| A 4 A/C Triple Pressure SW
(A/C Dual and Single Pressure SW) | F 4 Front Clearance Light RH |
| A 5 ABS Actuator and ECU | F 5 Front Fog Light LH |
| A 6 ABS Speed Sensor Front LH | F 6 Front Fog Light RH |
| A 7 ABS Speed Sensor Front RH | F 7 Front Side Turn Signal Light LH |
| A 8 Air Flow Meter | F 8 Front Side Turn Signal Light RH |
| A 11 Alternator | F 9 Front Turn Signal Light LH |
| A 12 Alternator | F 10 Front Turn Signal Light RH |
|
 | F 11 Front Washer Motor |
| B 1 Back-Up Light SW | F 12 Front Wiper Motor |
| B 2 Brake Fluid Level Warning SW | F 13 Fusible Link Block |
|
 | F 14 Fusible Link Block |
| C 1 Camshaft Position Sensor | F 15 Fusible Link Block |
| C 4 Crankshaft Position Sensor | F 20 Fuel Heater |
|
 | F 21 Fuel Pressure Sensor |
| D17 Diesel Throttle Position Sensor | F 22 Fuel Sedimentary SW |
| D18 Diesel Throttle Control Motor | F 23 Fuel Temp. Sensor |
|
 | F 24 Fusible Link Block (GLOW) |
| E 11 EGR Valve Control Motor | F 25 Fusible Link Block (PTC) |
| E 12 Electronic Driver Unit |
 |
| E 13 Electronic Driver Unit |
 |
| E 14 Engine Oil Level Sensor |
 |
|
 | G 1 Glow Plug |
|
 | G 3 Glow Relay |

Position of Parts in Engine Compartment

[LHD : 1CD-FTV]



H 1 Headlight Beam Level Control Actuator LH
 H 2 Headlight Beam Level Control Actuator RH
 H 3 Headlight Cleaner Control Relay
 H 4 Headlight Cleaner Motor
 H 5 Headlight LH
 H 6 Headlight RH
 H 9 Horn (High)
 H10 Horn (Low)

I 13 Injector No.1
 I 14 Injector No.2
 I 15 Injector No.3
 I 16 Injector No.4
 I 17 Intake Air Temp. Sensor

O 1 Oil Pressure SW

R 1 Radiator Fan Motor
 R 2 Rear Washer Motor
 S 1 Starter
 S 2 Starter
 S14 Suction Control Valve No.1
 S15 Suction Control Valve No.2

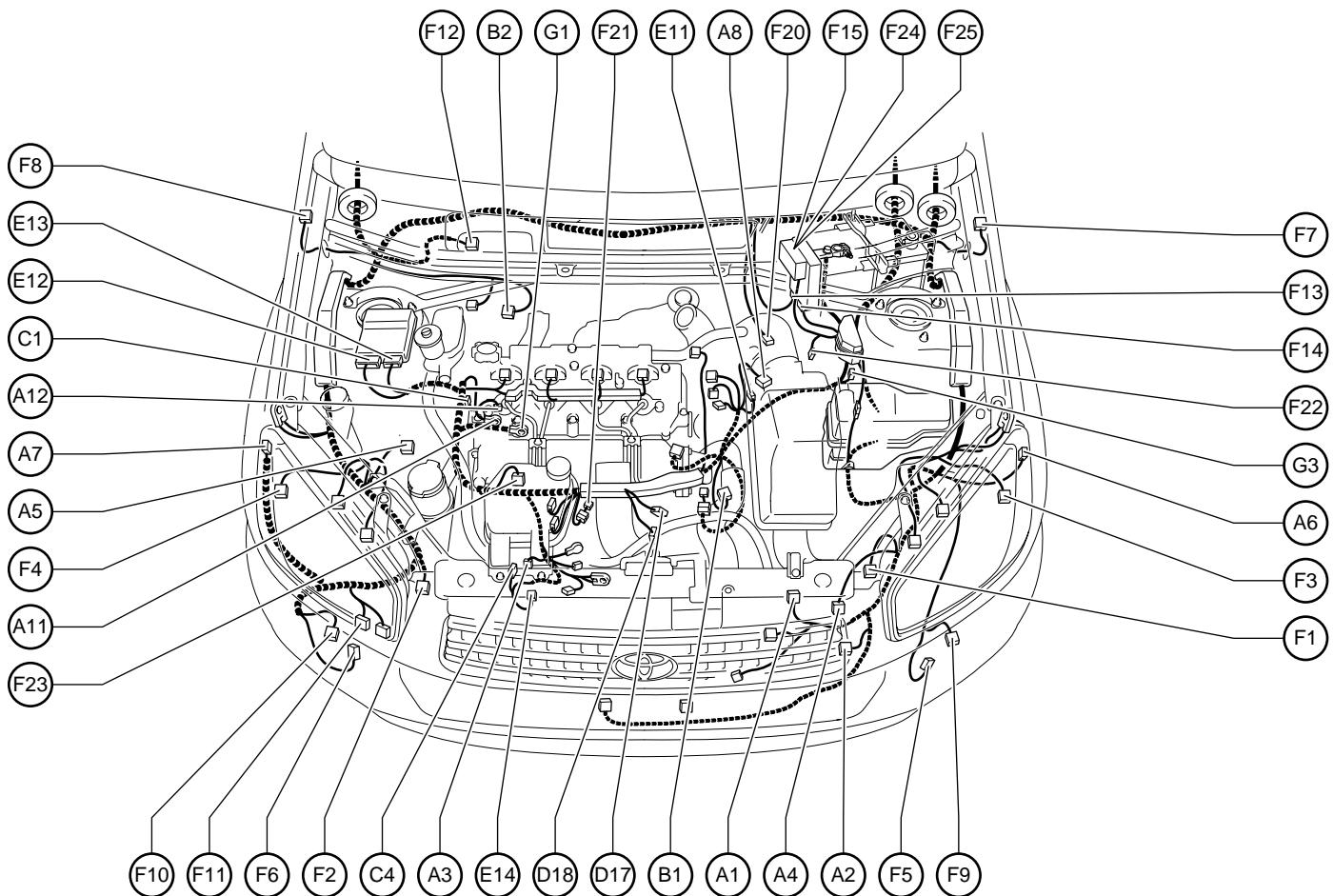
T 7 Turbo Pressure Sensor

V 2 Vehicle Speed Sensor (Combination Meter)
 V 4 Vacuum SW
 V 5 VRV (EGR)
 V 6 VSV (Turbo Pressure Sensor)

W 1 Water Temp. SW
 W 3 Water Temp. Sensor

Position of Parts in Engine Compartment

[RHD : 1CD-FTV]



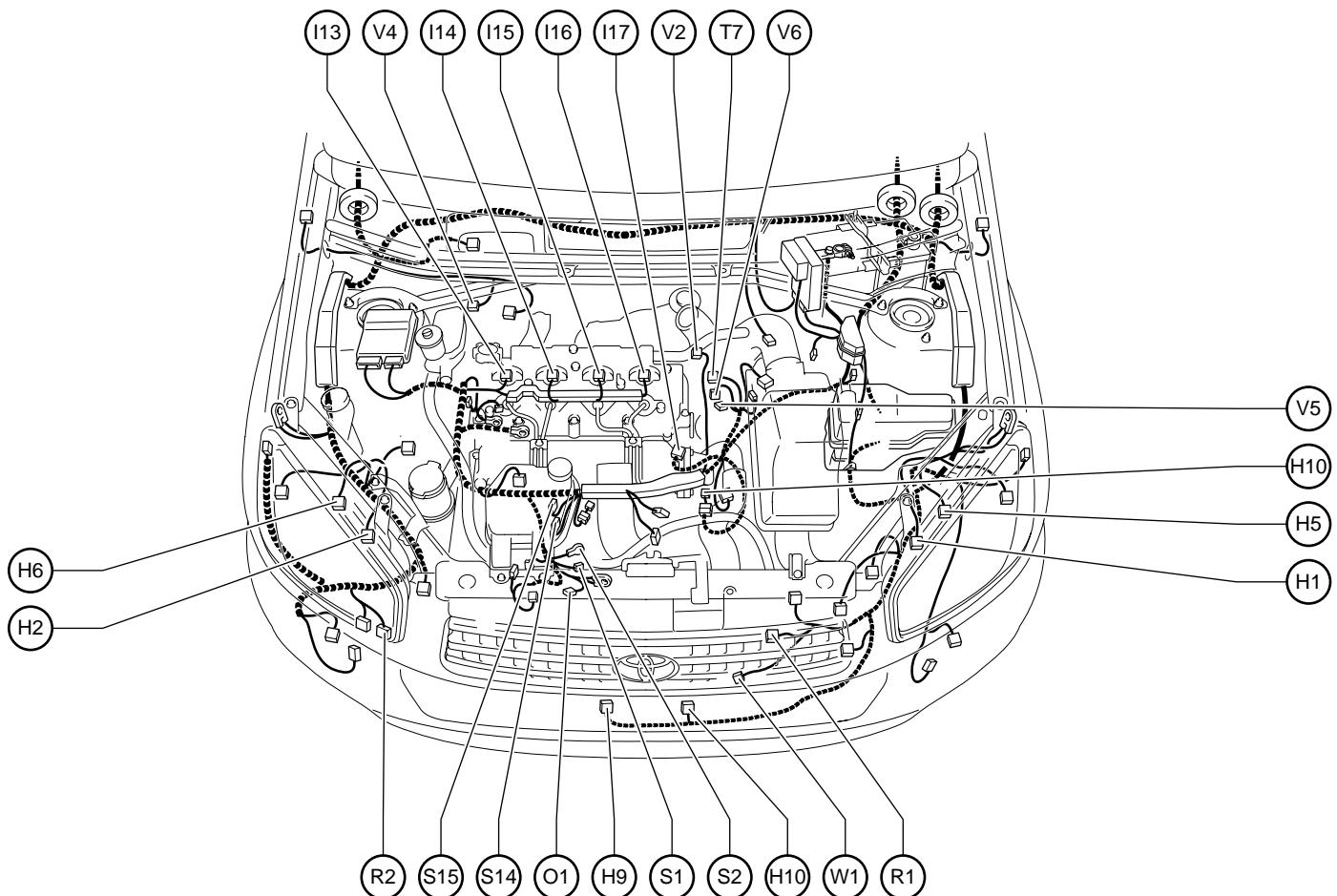
- A 1 A/C Condenser Fan Motor
- A 2 A/C Evaporator Temp. Sensor
- A 3 A/C Magnetic Clutch and Lock Sensor
- A 4 A/C Triple Pressure SW
(A/C Dual and Single Pressure SW)
- A 5 ABS Actuator and ECU
- A 6 ABS Speed Sensor Front LH
- A 7 ABS Speed Sensor Front RH
- A 8 Air Flow Meter
- A 11 Alternator
- A 12 Alternator
- B 1 Back-Up Light SW
- B 2 Brake Fluid Level Warning SW
- C 1 Camshaft Position Sensor
- C 4 Crankshaft Position Sensor
- D17 Diesel Throttle Position Sensor
- D18 Diesel Throttle Control Motor
- E 11 EGR Valve Control Motor
- E 12 Electronic Driver Unit
- E 13 Electronic Driver Unit
- E 14 Engine Oil Level Sensor

- F 1 Front Airbag Sensor LH
- F 2 Front Airbag Sensor RH
- F 3 Front Clearance Light LH
- F 4 Front Clearance Light RH
- F 5 Front Fog Light LH
- F 6 Front Fog Light RH
- F 7 Front Side Turn Signal Light LH
- F 8 Front Side Turn Signal Light RH
- F 9 Front Turn Signal Light LH
- F 10 Front Turn Signal Light RH
- F 11 Front Washer Motor
- F 12 Front Wiper Motor
- F 13 Fusible Link Block
- F 14 Fusible Link Block
- F 15 Fusible Link Block
- F 20 Fuel Heater
- F 21 Fuel Pressure Sensor
- F 22 Fuel Sedimentary SW
- F 23 Fuel Temp. Sensor
- F 24 Fusible Link Block (GLOW)
- F 25 Fusible Link Block (PTC)

- G 1 Glow Plug
- G 3 Glow Relay

Position of Parts in Engine Compartment

[RHD : 1CD-FTV]



H 1 Headlight Beam Level Control Actuator LH
 H 2 Headlight Beam Level Control Actuator RH
 H 5 Headlight LH
 H 6 Headlight RH
 H 9 Horn (High)
 H10 Horn (Low)

I 13 Injector No.1
 I 14 Injector No.2
 I 15 Injector No.3
 I 16 Injector No.4
 I 17 Intake Air Temp. Sensor

O 1 Oil Pressure SW

R 1 Radiator Fan Motor
 R 2 Rear Washer Motor

S 1 Starter
 S 2 Starter
 S14 Suction Control Valve No.1
 S15 Suction Control Valve No.2

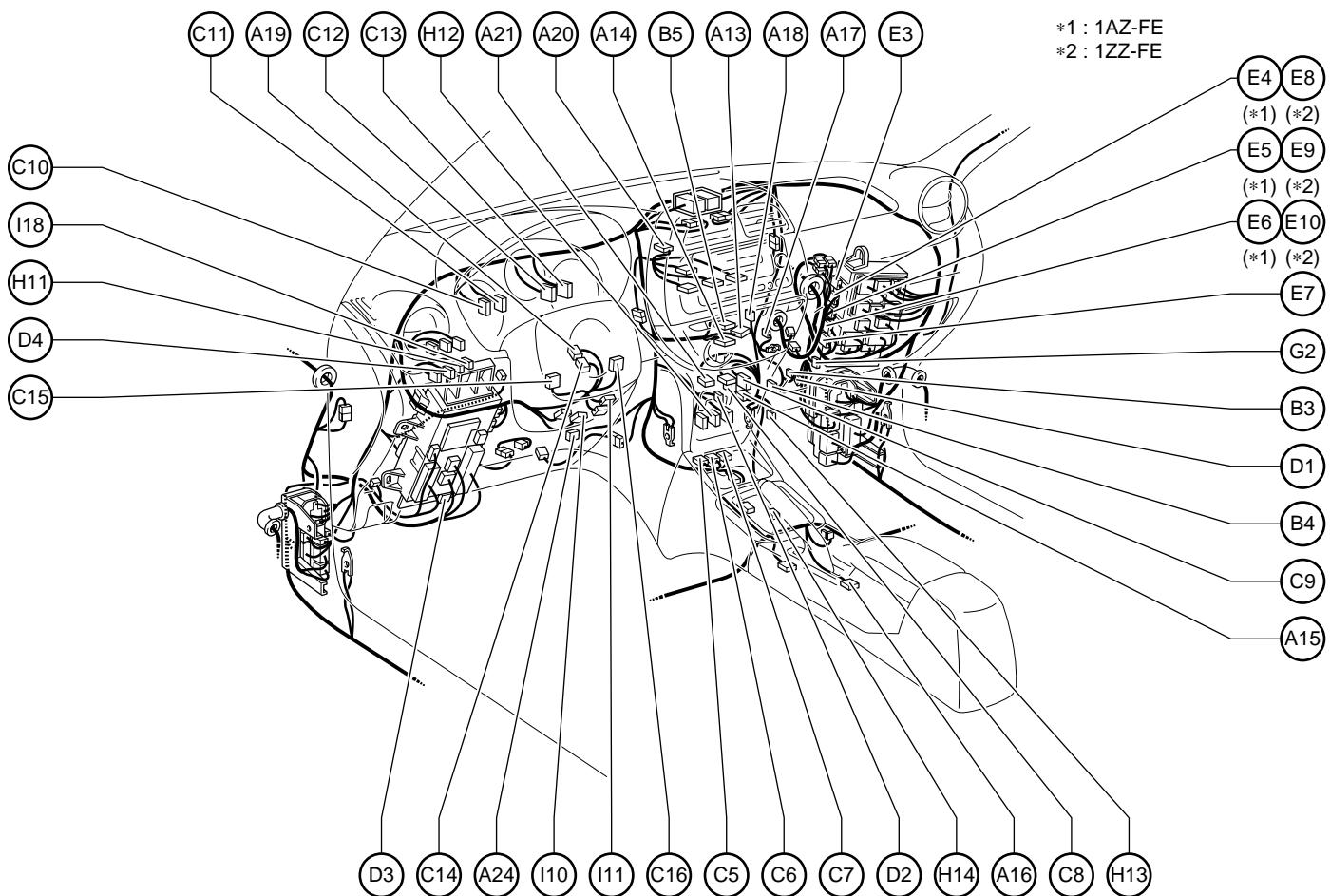
T 7 Turbo Pressure Sensor

V 2 Vehicle Speed Sensor (Combination Meter)
 V 4 Vacuum SW
 V 5 VRV (EGR)
 V 6 VSV (Turbo Pressure Sensor)

W 1 Water Temp. SW
 W 3 Water Temp. Sensor

Position of Parts in Instrument Panel

[LHD]



A13 A/C Amplifier
 A14 A/C Control SW
 A15 A/C Thermistor
 A16 ABS Deceleration Sensor
 A17 Air Inlet Control Servo Motor
 A18 Airbag Squib (Front Passenger's Airbag Assembly)
 A19 Airbag Squib (Steering Wheel Pad)
 A20 Antenna Amplifier
 A21 Ashtray Illumination
 A24 Accelerator Pedal Position Sensor

B 3 Blower Motor
 B 4 Blower Resistor
 B 5 Blower SW

C 5 Center Airbag Sensor Assembly
 C 6 Center Airbag Sensor Assembly
 C 7 Center Airbag Sensor Assembly
 C 8 Cigarette Lighter
 C 9 Cigarette Lighter Illumination
 C10 Combination Meter
 C11 Combination Meter
 C12 Combination Meter
 C13 Combination Meter
 C14 Combination SW
 C15 Combination SW
 C16 Combination SW

D 1 Diode (Fan)
 D 2 Diode (Seat Heater)
 D 3 DLC3
 D 4 Door Lock Control SW (Driver's Side)

 E 3 Engine and ECT ECU (A/T) or Engine ECU (M/T)
 E 4 Engine and ECT ECU (A/T) or Engine ECU (M/T)
 E 5 Engine and ECT ECU (A/T) or Engine ECU (M/T)
 E 6 Engine and ECT ECU (A/T) or Engine ECU (M/T)
 E 7 Engine and ECT ECU (A/T) or Engine ECU (M/T)
 E 8 Engine ECU
 E 9 Engine ECU
 E10 Engine ECU

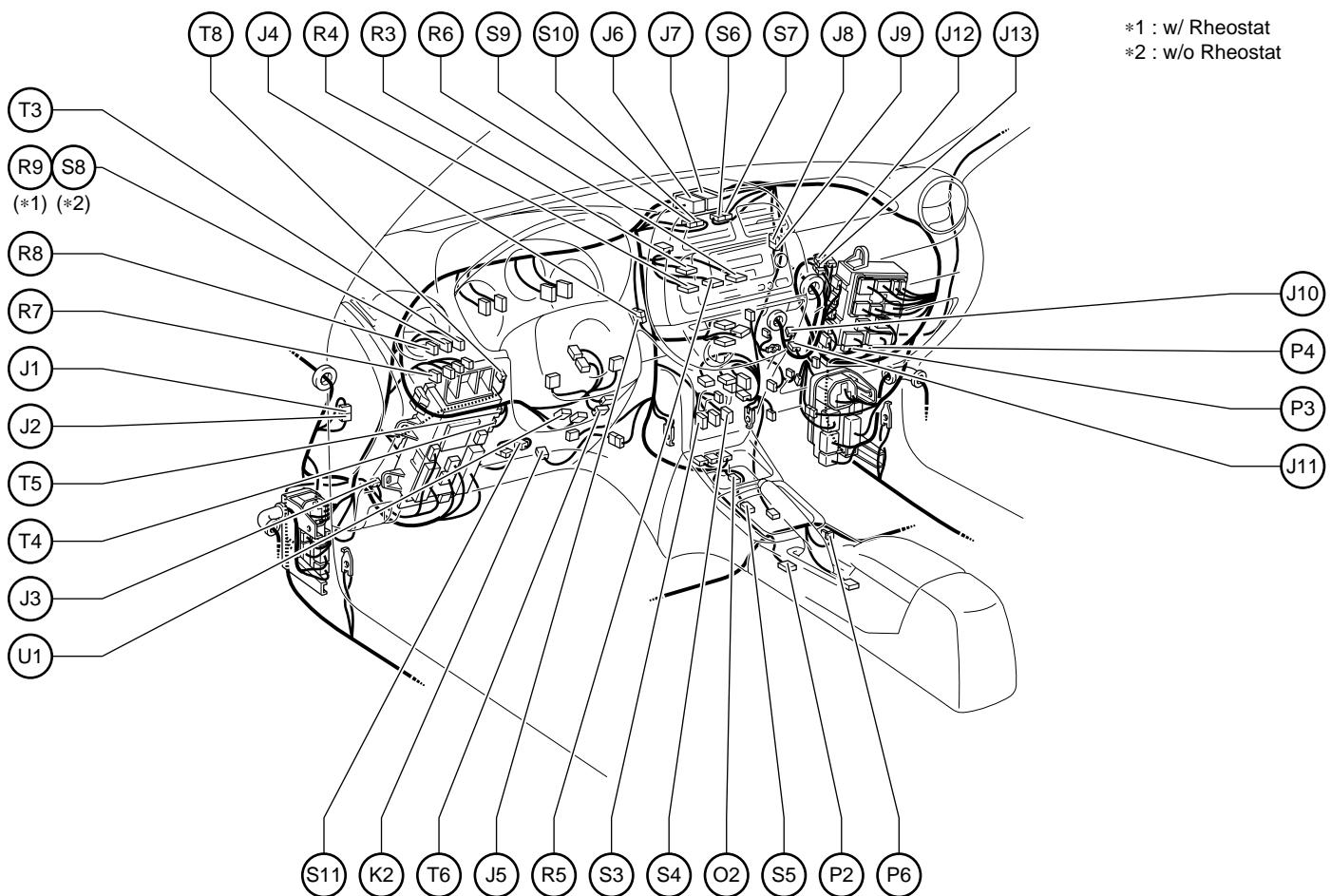
G 2 Glow Plug (Power Heater)

H11 Headlight Beam Level Control SW
 H12 Headlight Cleaner SW
 H13 Heated Oxygen Sensor (Bank 1 Sensor 1)
 H14 Heated Oxygen Sensor (Bank 1 Sensor 2)

I 10 Ignition SW
 I 11 Ignition Key Cylinder Light
 I 18 Idle-Up SW

Position of Parts in Instrument Panel

[LHD]



J 1 Junction Connector
 J 2 Junction Connector
 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
 J 12 Junction Connector
 J 13 Junction Connector

K 2 Kick Down SW

O 2 O/D Main SW

P 2 Parking Brake SW
 P 3 Passenger Side J/B ECU
 P 4 Passenger Side J/B ECU
 P 6 Power Outlet (Front)

R 3 Radio and Player
 R 4 Radio and Player
 R 5 Radio and Player
 R 6 Radio and Player
 R 7 Rear Fog Light SW
 R 8 Remote Control Mirror SW
 R 9 Rheostat

S 3 Seat Heater SW (Driver's Side)
 S 4 Seat Heater SW (Front Passenger's Side)
 S 5 Shift Lock ECU
 S 6 Short Connector (Light)
 S 7 Short Connector (Light)
 S 8 Short Connector (Rheostat)
 S 9 Short Connector (SRS)
 S10 Short Connector (SRS)
 S11 Stop Light SW

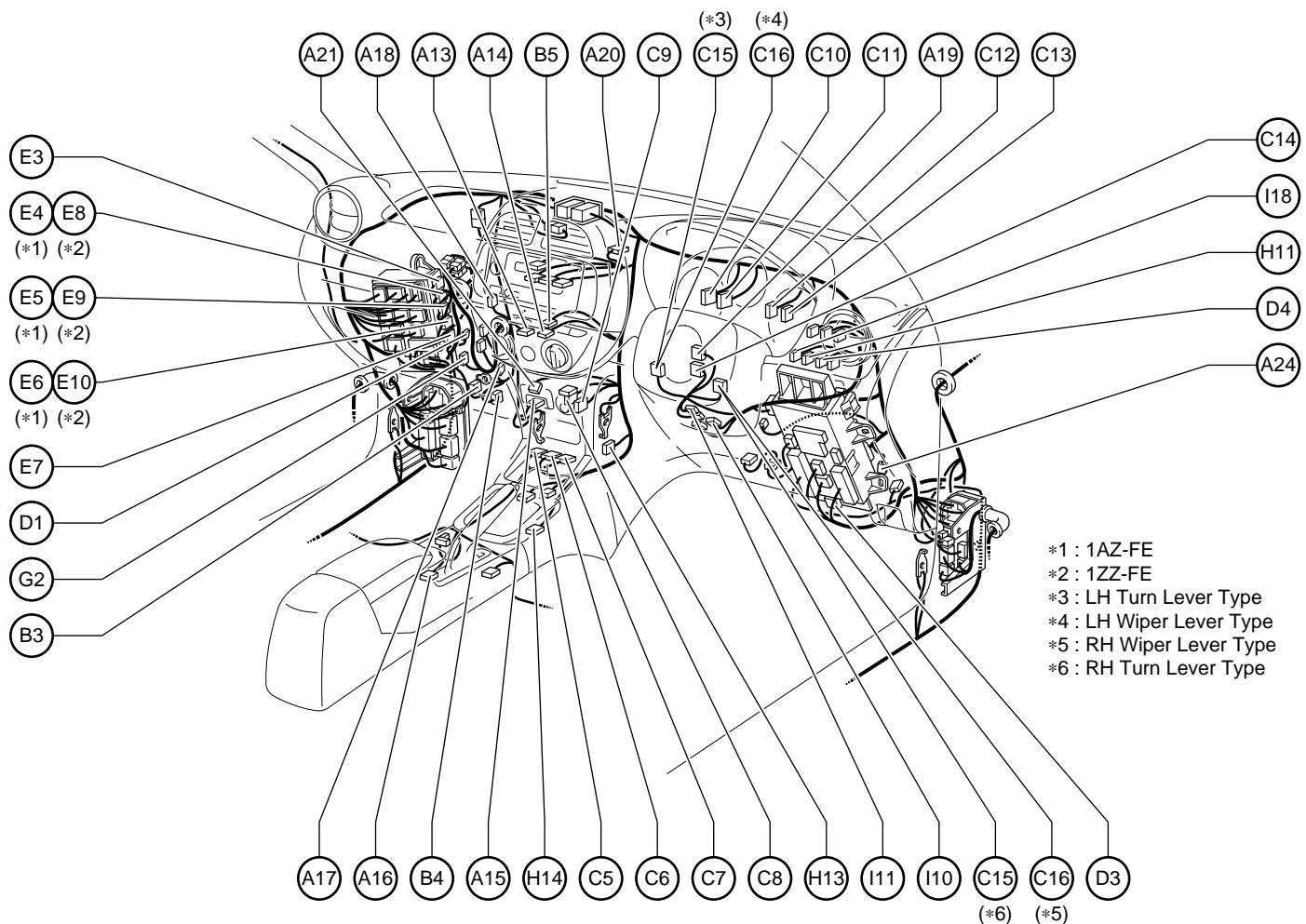
T 3 Theft Deterrent Indicator Light
 T 4 Taillight Relay
 T 5 Turn Signal Flasher Relay
 T 6 Transponder Key Amplifier
 T 8 Transponder Key Computer

U 1 Unlock Warning SW

*1 : w/ Rheostat
 *2 : w/o Rheostat

Position of Parts in Instrument Panel

[RHD]



A13 A/C Amplifier

A14 A/C Control SW

A15 A/C Thermistor

A16 ABS Deceleration Sensor

A17 Air Inlet Control Servo Motor

A18 Airbag Squib (Front Passenger's Airbag Assembly)

A19 Airbag Squib (Steering Wheel Pad)

A20 Antenna Amplifier

A21 Ashtray Illumination

A24 Accelerator Pedal Position Sensor

B 3 Blower Motor

B 4 Blower Resistor

B 5 Blower SW

C 5 Center Airbag Sensor Assembly

C 6 Center Airbag Sensor Assembly

C 7 Center Airbag Sensor Assembly

C 8 Cigarette Lighter

C 9 Cigarette Lighter Illumination

C10 Combination Meter

C11 Combination Meter

C12 Combination Meter

C13 Combination Meter

C14 Combination SW

C15 Combination SW

C16 Combination SW

D 1 Diode (Fan)

D 3 DLC3

D 4 Door Lock Control SW (Driver's Side)

E 3 Engine and ECT ECU (A/T) or Engine ECU (M/T)

E 4 Engine and ECT ECU (A/T) or Engine ECU (M/T)

E 5 Engine and ECT ECU (A/T) or Engine ECU (M/T)

E 6 Engine and ECT ECU (A/T) or Engine ECU (M/T)

E 7 Engine and ECT ECU (A/T) or Engine ECU (M/T)

E 8 Engine ECU

E 9 Engine ECU

E10 Engine ECU

G 2 Glow Heater (Power Heater)

H11 Headlight Beam Level Control SW

H13 Heated Oxygen Sensor (Bank 1 Sensor 1)

H14 Heated Oxygen Sensor (Bank 1 Sensor 2)

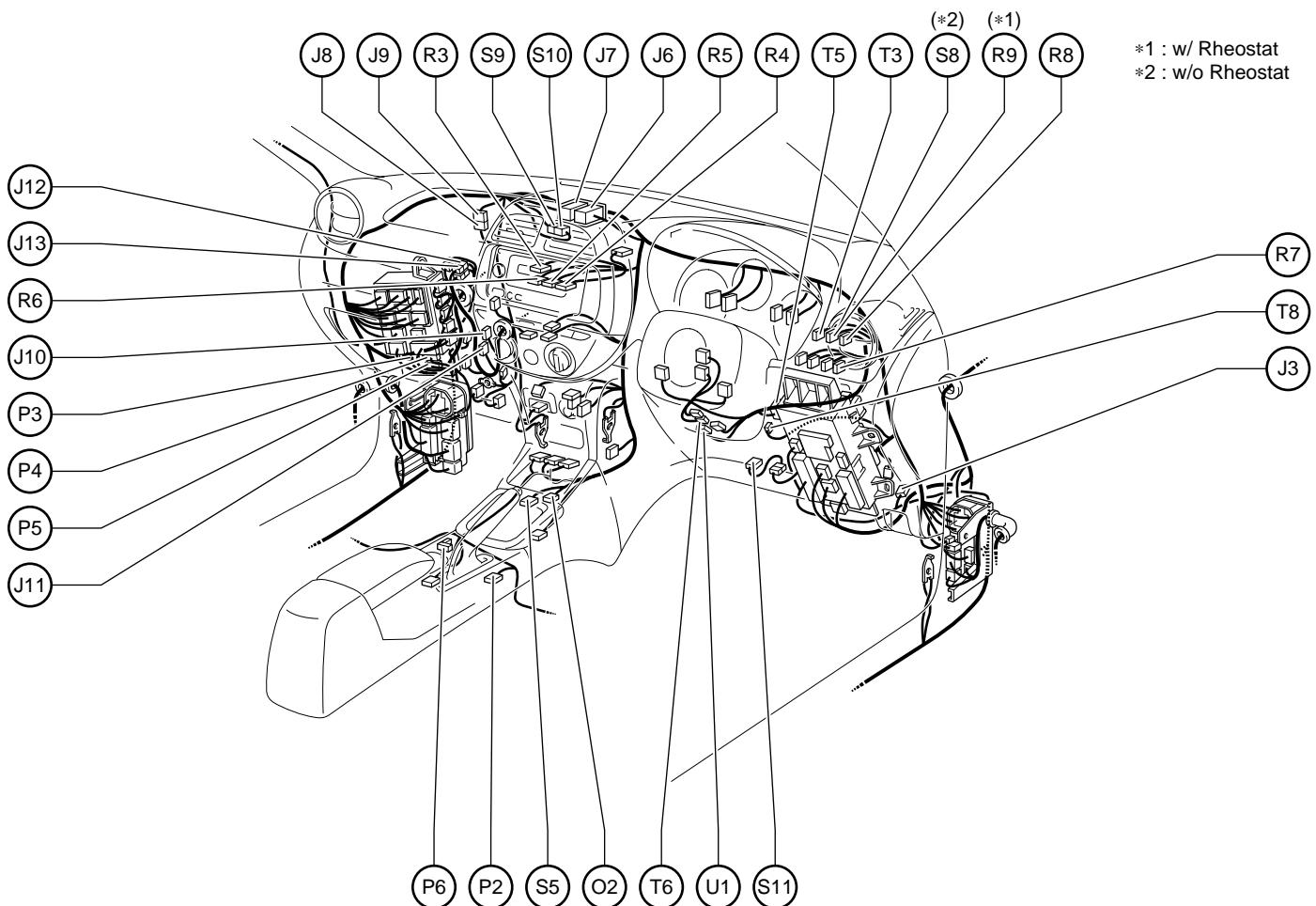
I 10 Ignition SW

I 11 Ignition Key Cylinder Light

I 18 Idle-Up SW

Position of Parts in Instrument Panel

[RHD]



J 3 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
 J 12 Junction Connector
 J 13 Junction Connector

O 2 O/D Main SW

P 2 Parking Brake SW
 P 3 Passenger Side J/B ECU
 P 4 Passenger Side J/B ECU
 P 5 Passenger Side J/B ECU
 P 6 Power Outlet (Front)

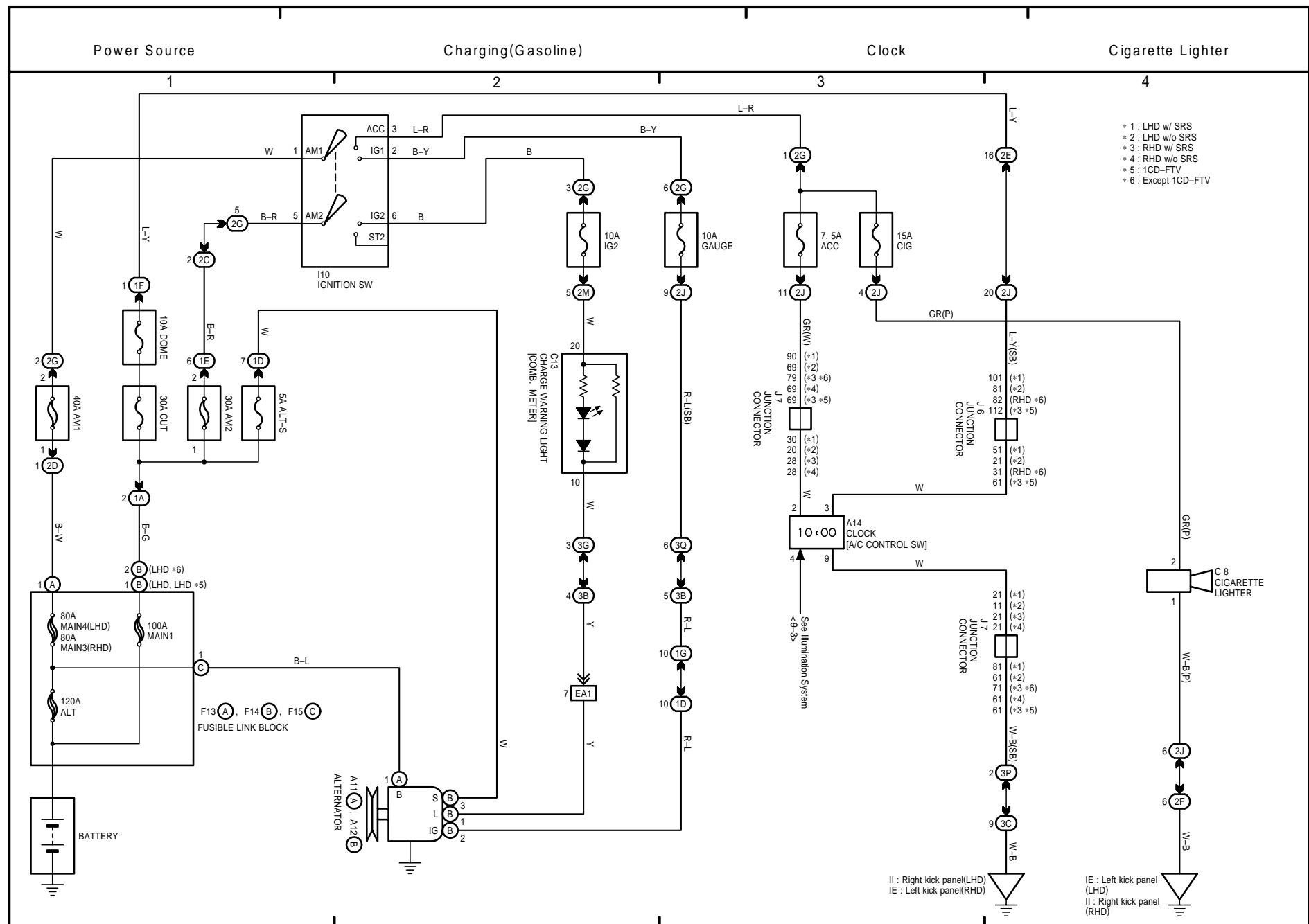
R 3 Radio and Player
 R 4 Radio and Player
 R 5 Radio and Player
 R 6 Radio and Player
 R 7 Rear Fog Light SW
 R 8 Remote Control Mirror SW
 R 9 Rheostat

S 5 Shift Lock ECU
 S 8 Short Connector (Rheostat)
 S 9 Short Connector (SRS)
 S10 Short Connector (SRS)
 S11 Stop Light SW

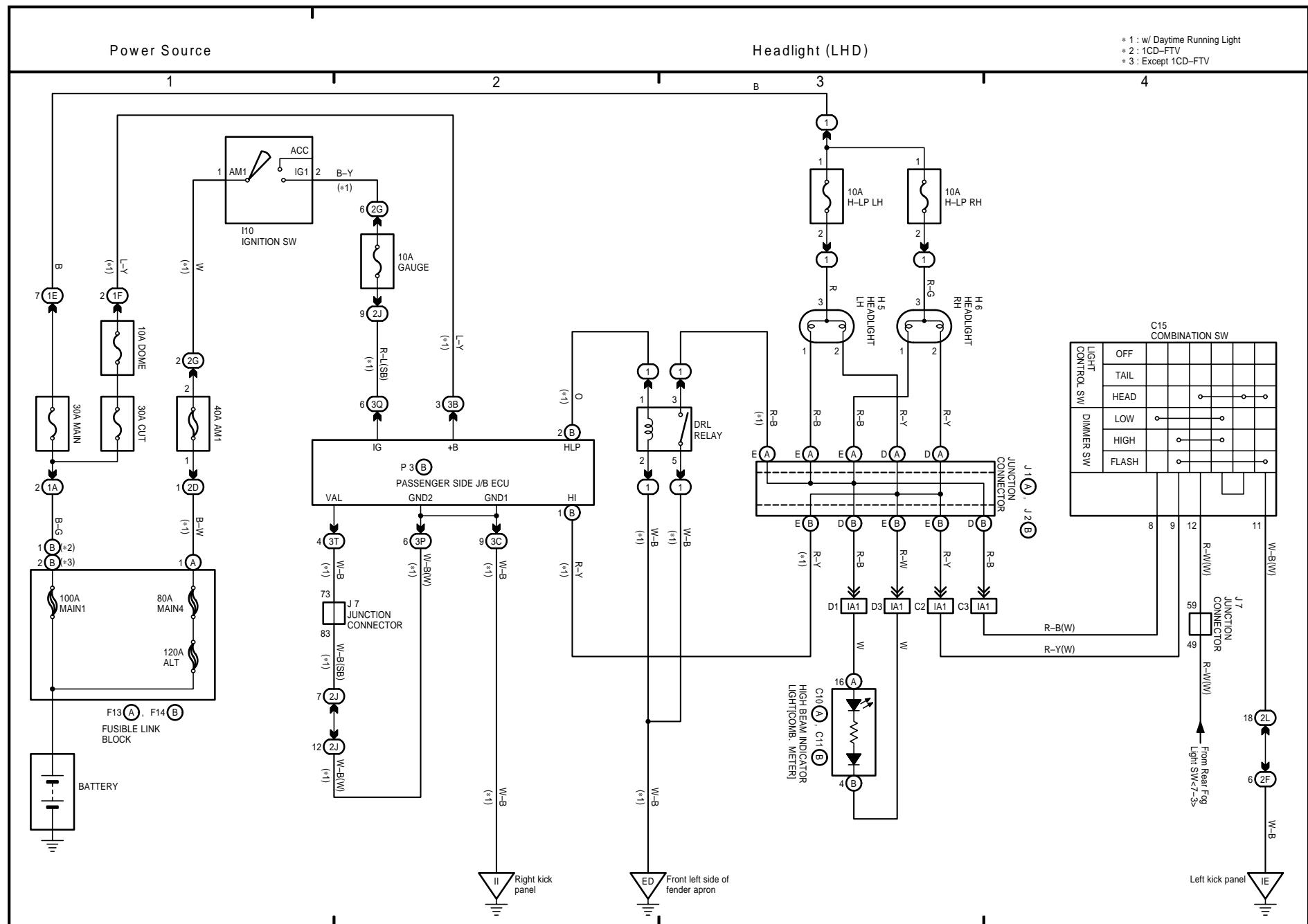
T 3 Theft Deterrent Indicator Light
 T 5 Turn Signal Flasher Relay
 T 6 Transponder Key Amplifier
 T 8 Transponder Key Computer

U 1 Unlock Warning SW

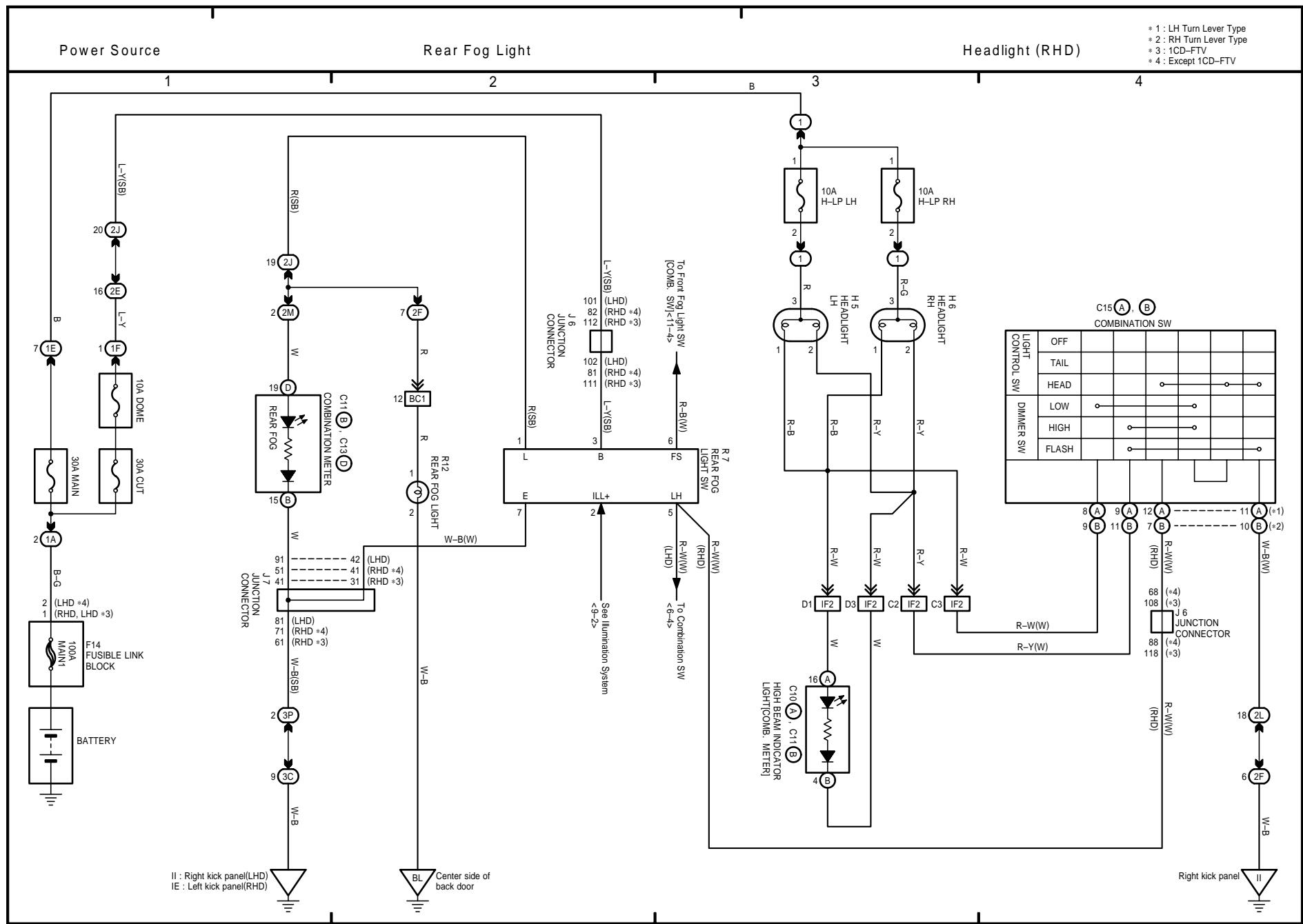
2 RAV4

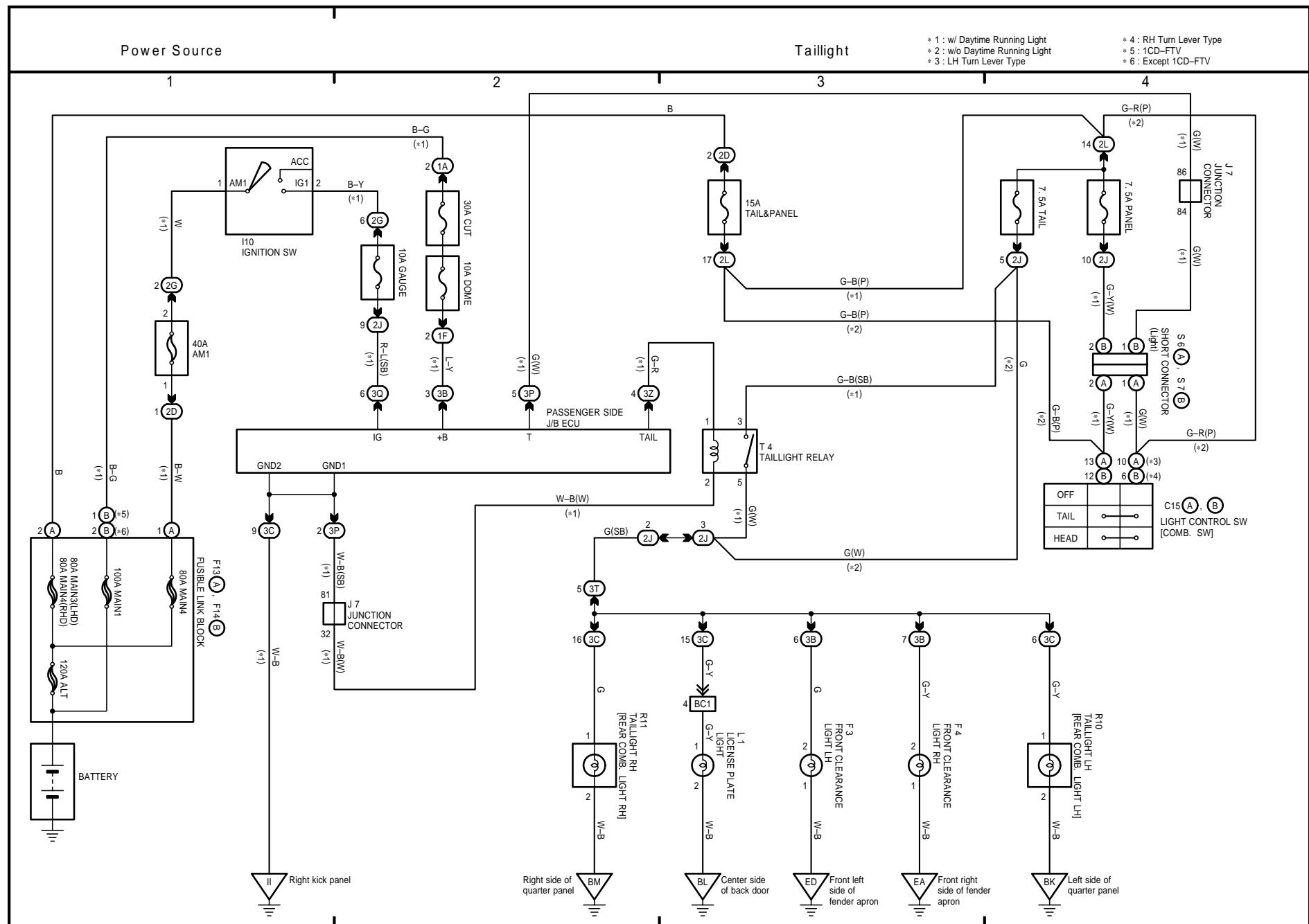


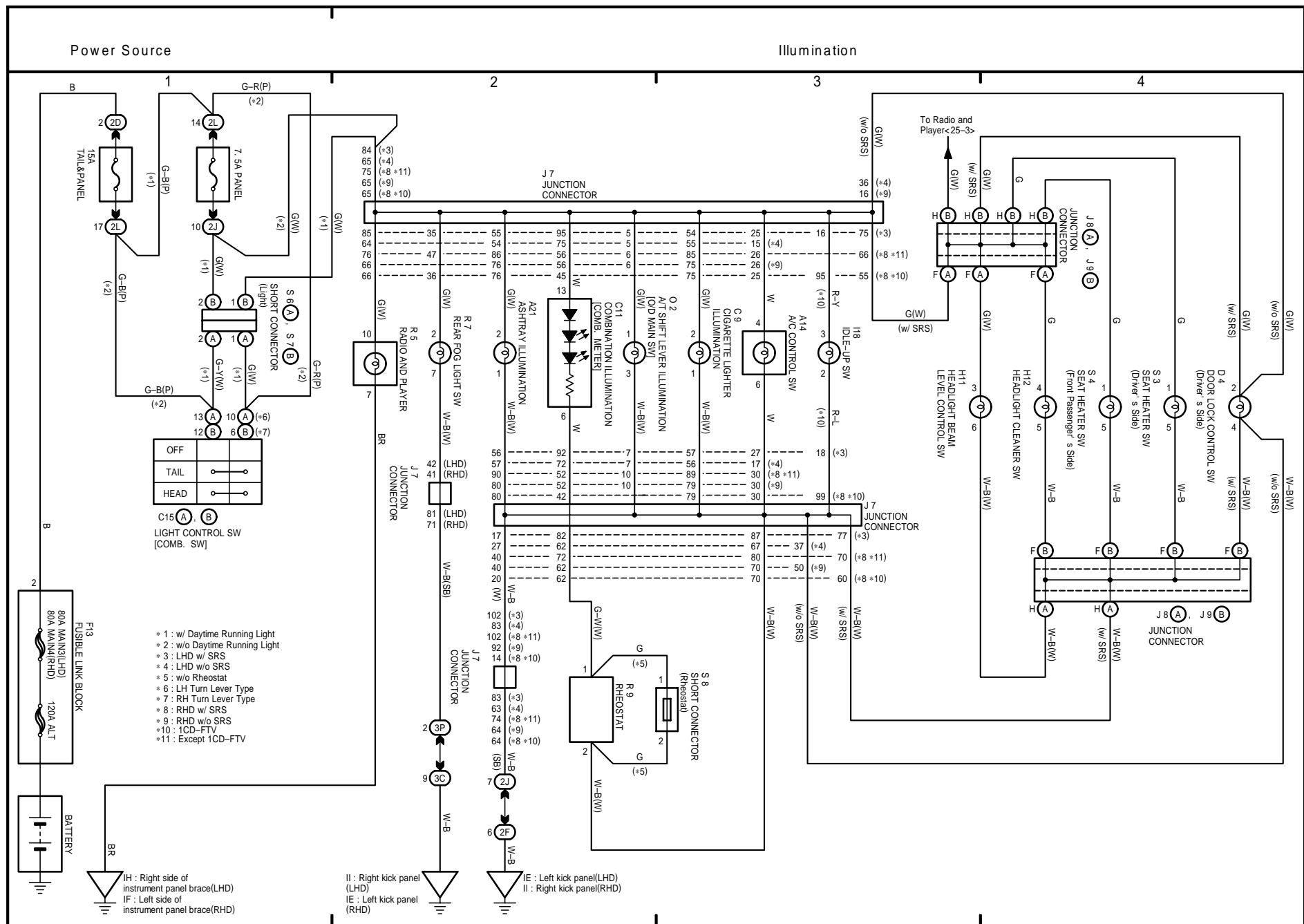
6 RAV4

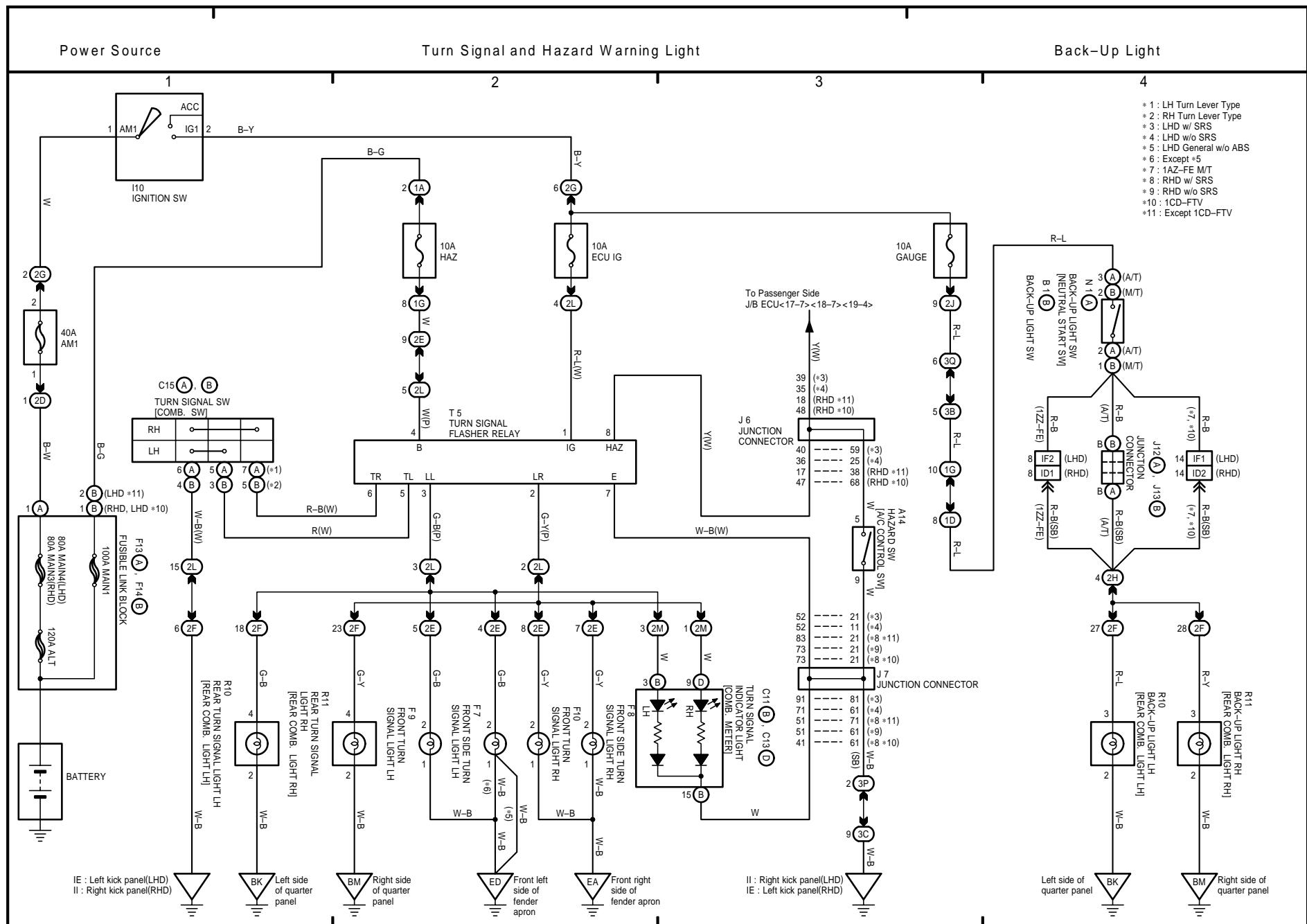


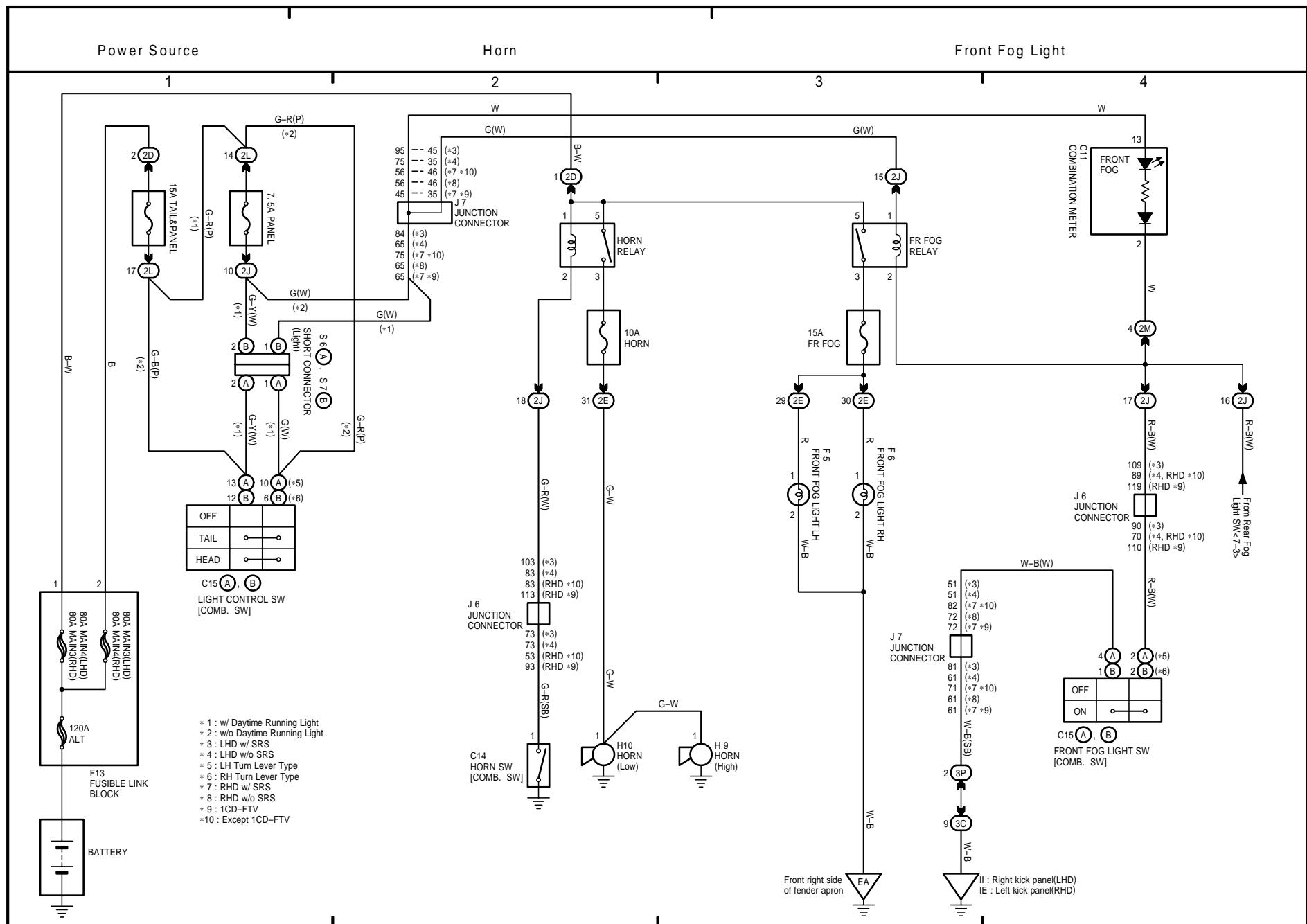
7 RAV4

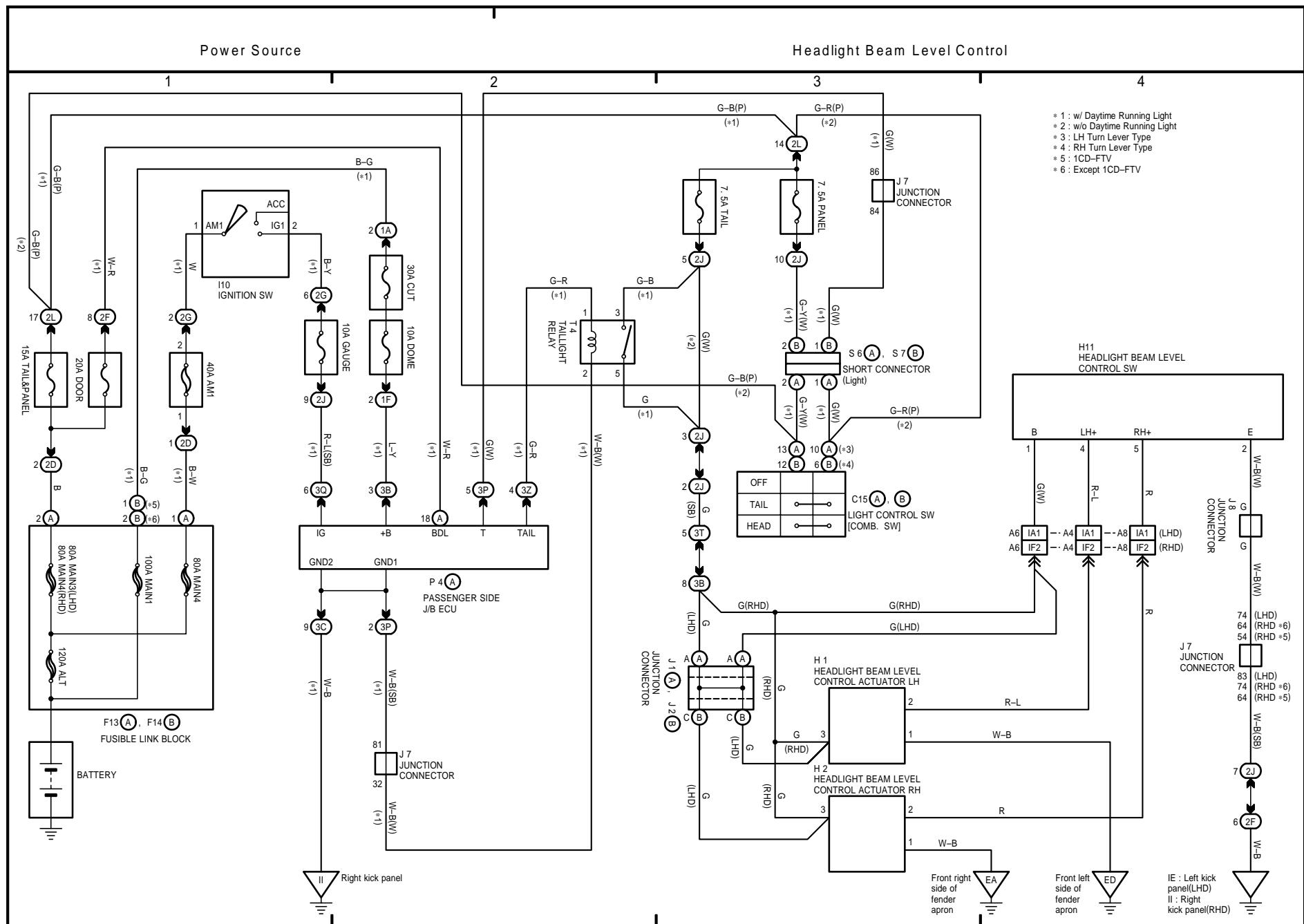


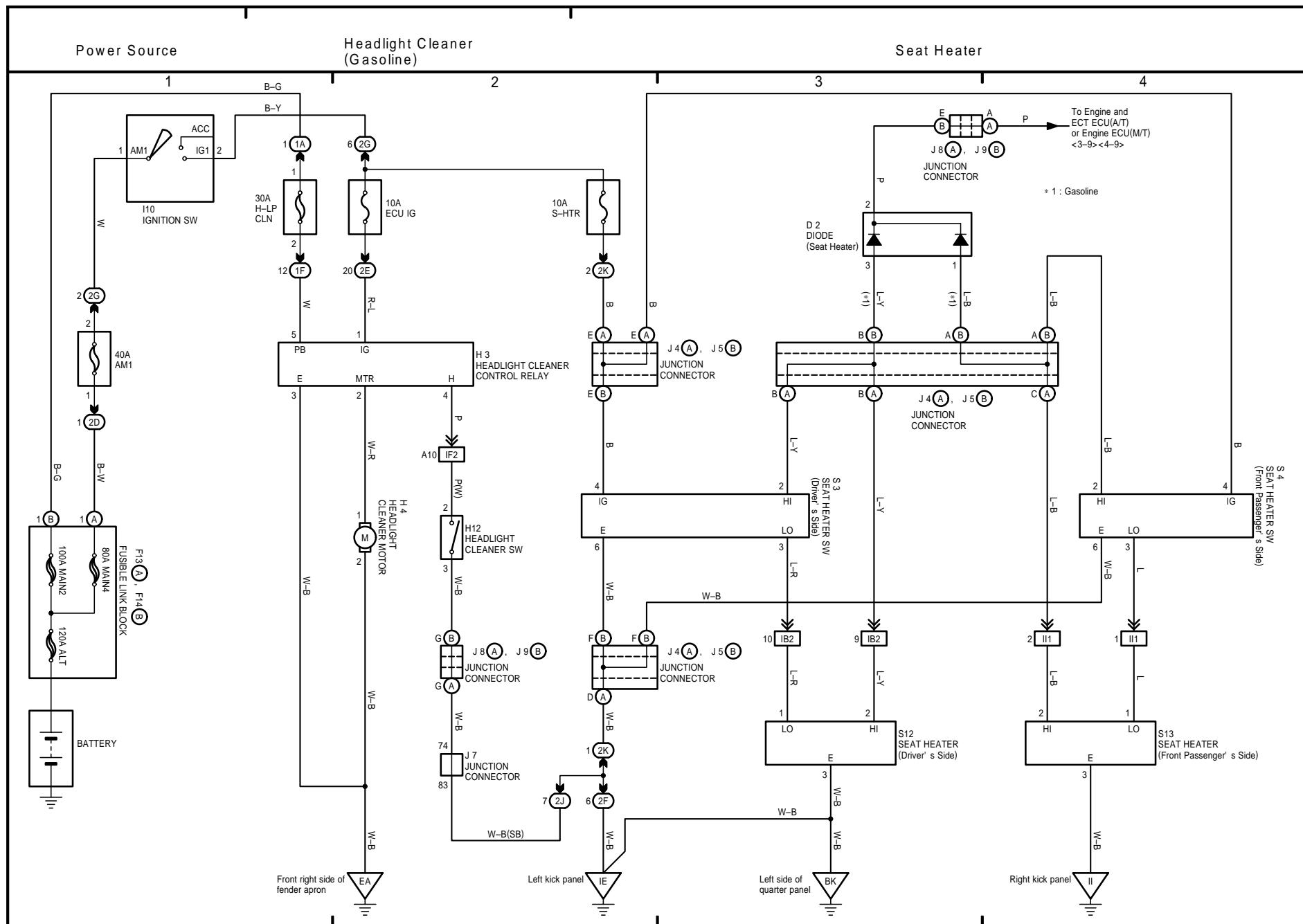


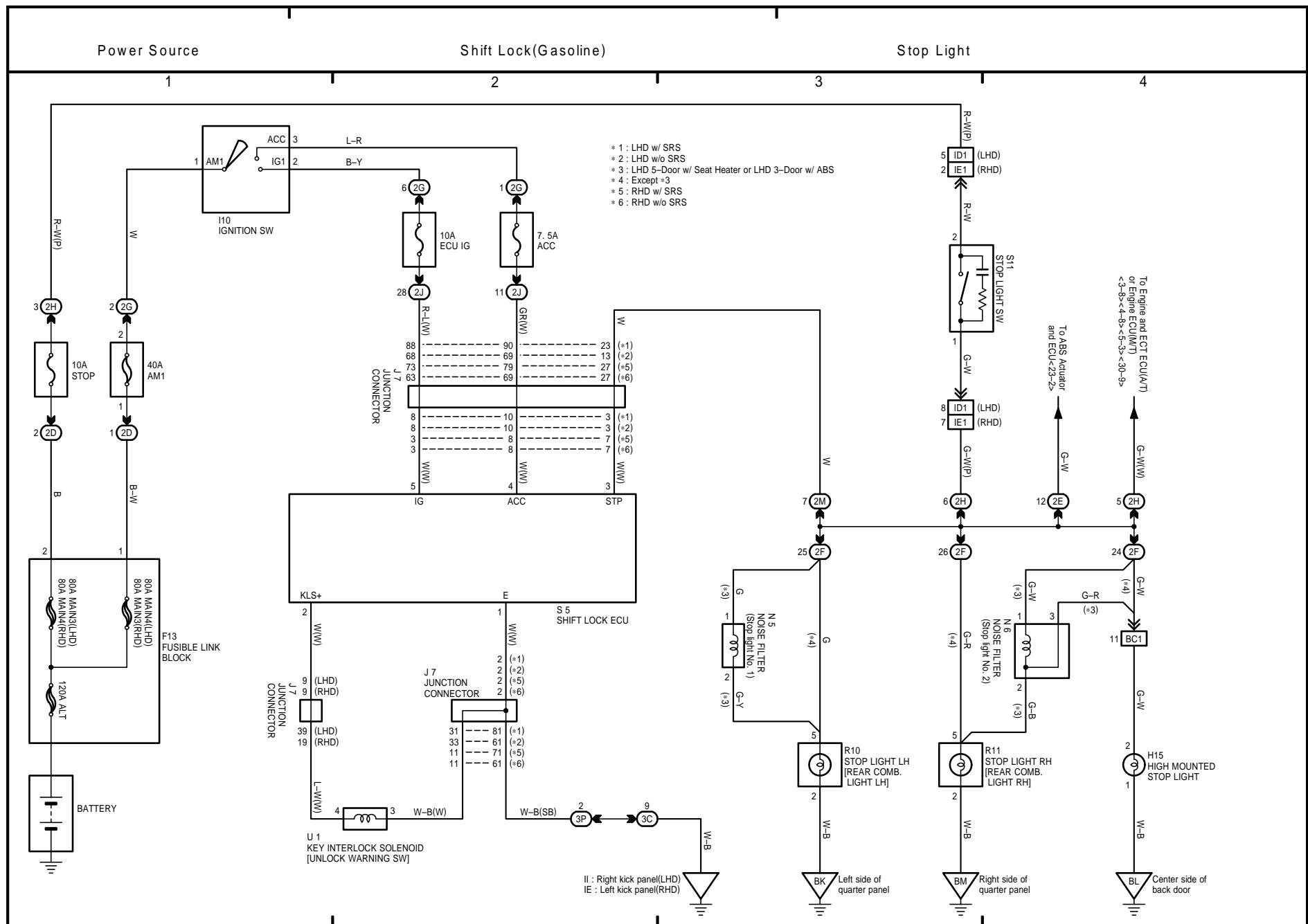


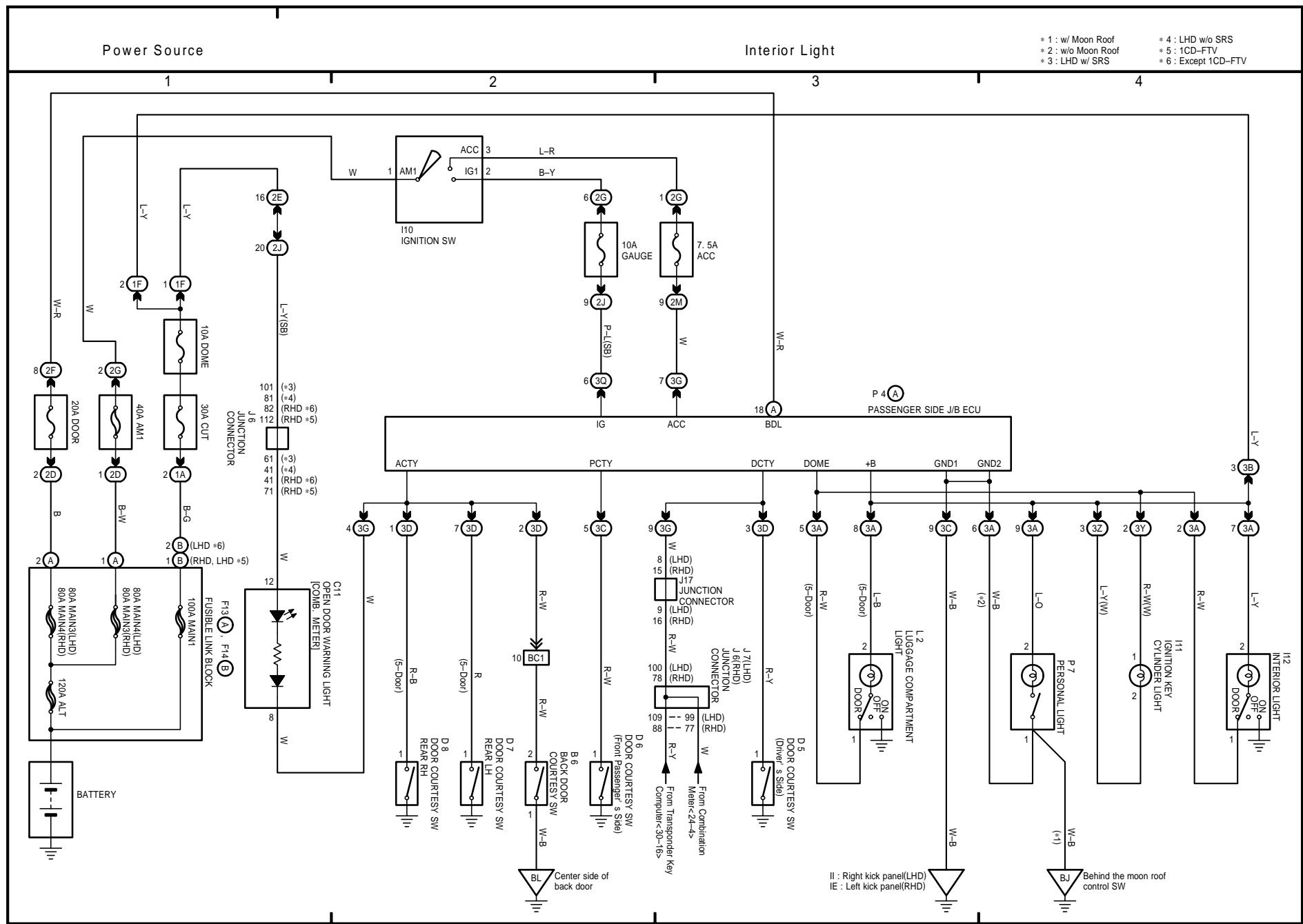


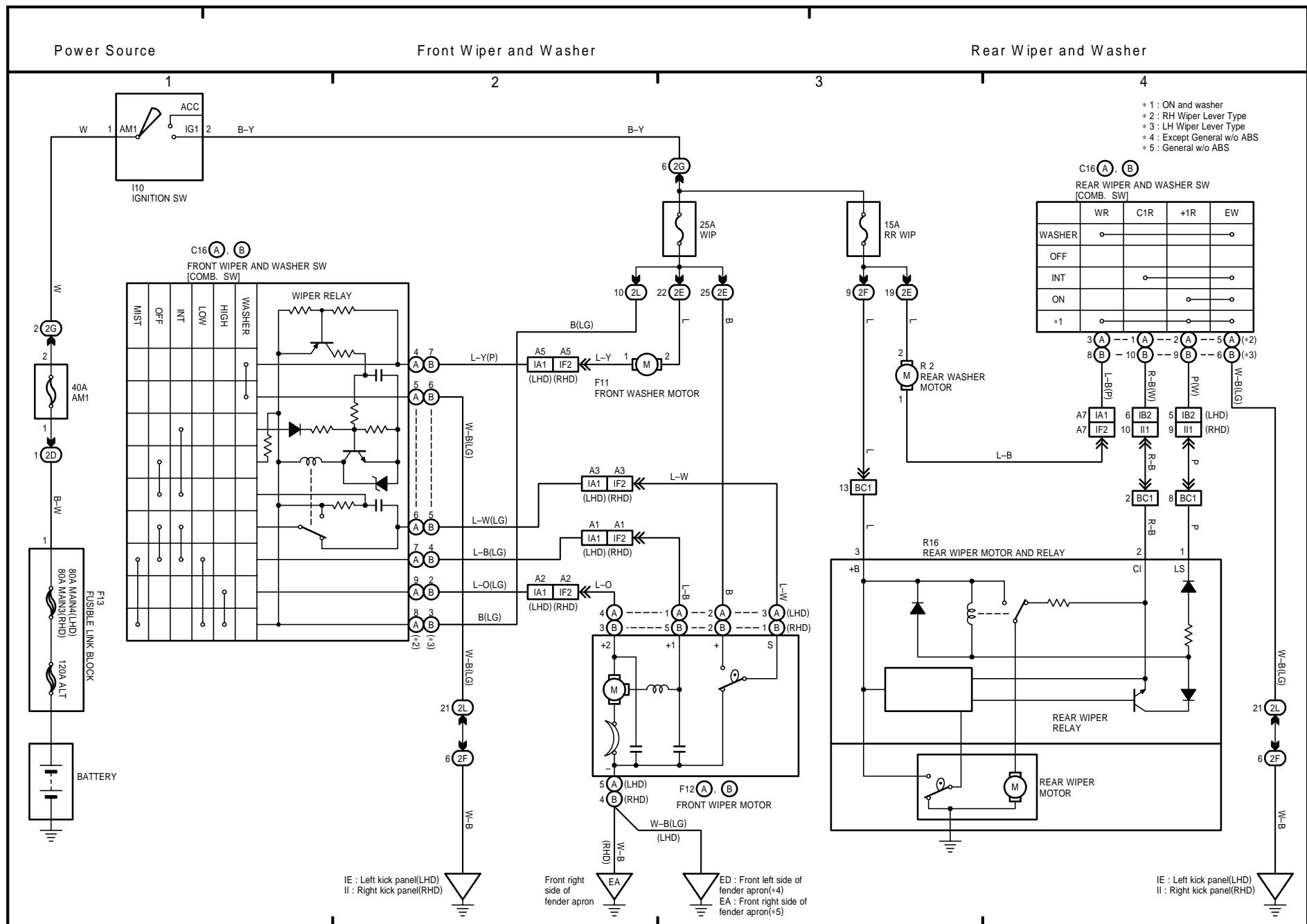




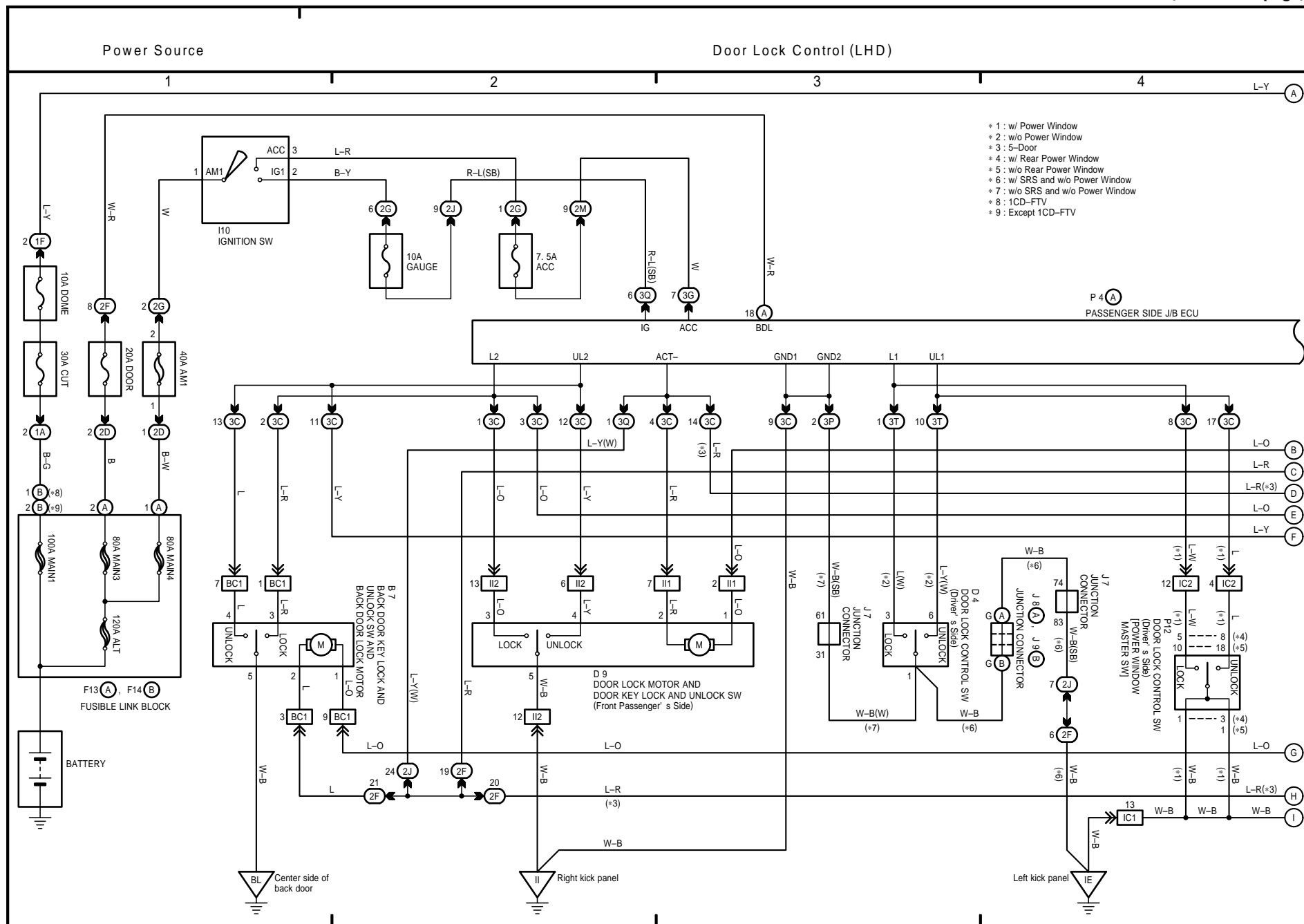




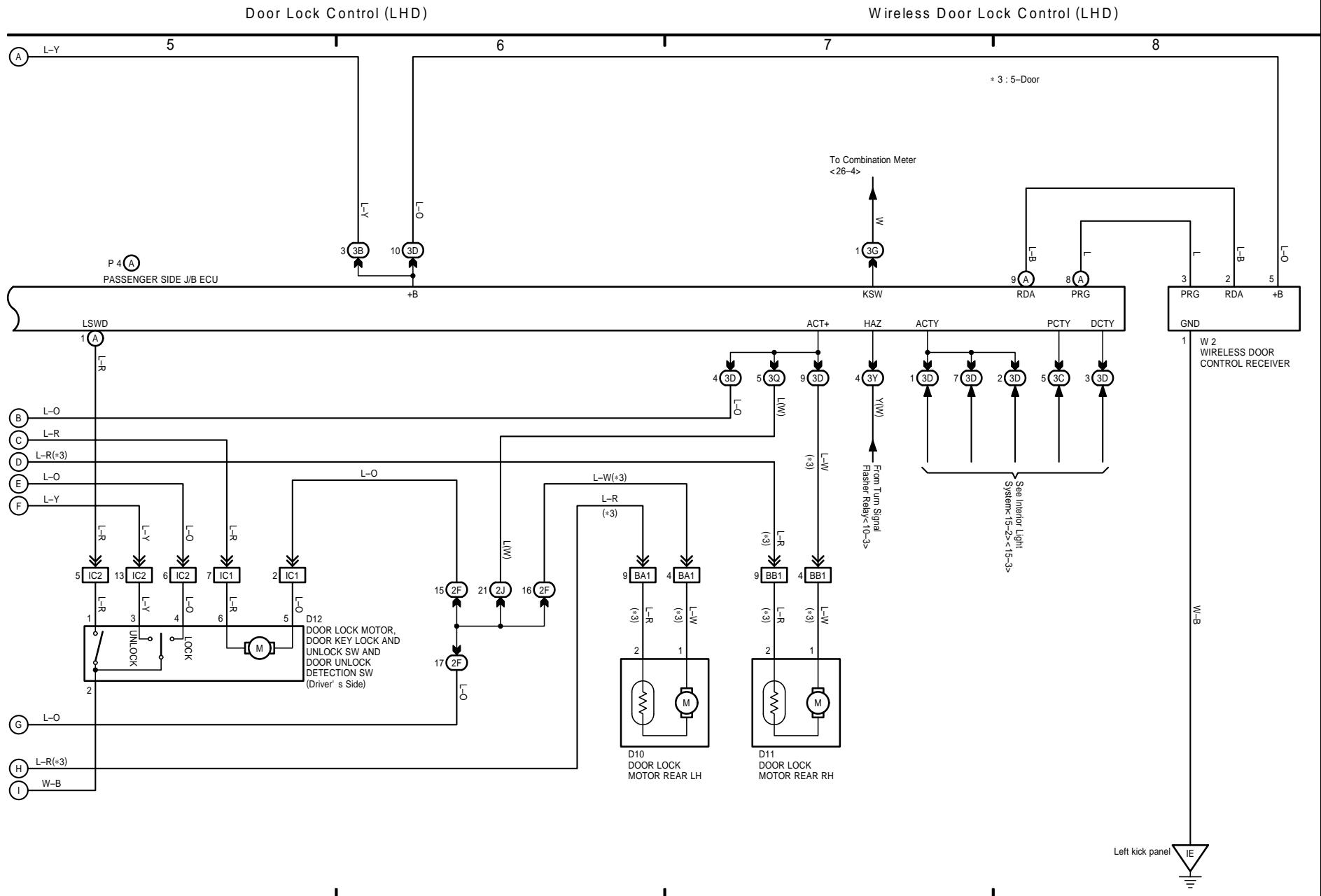




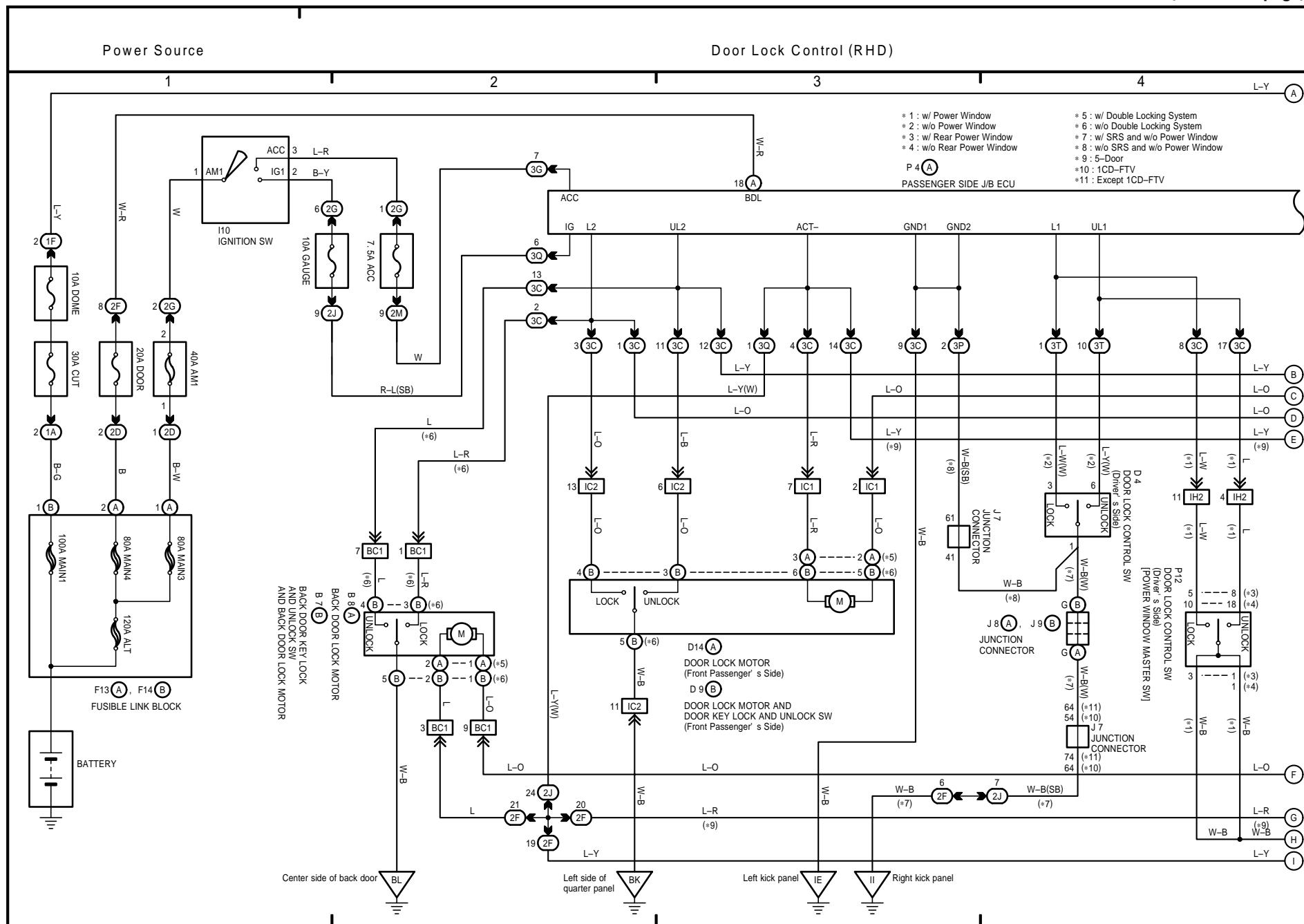
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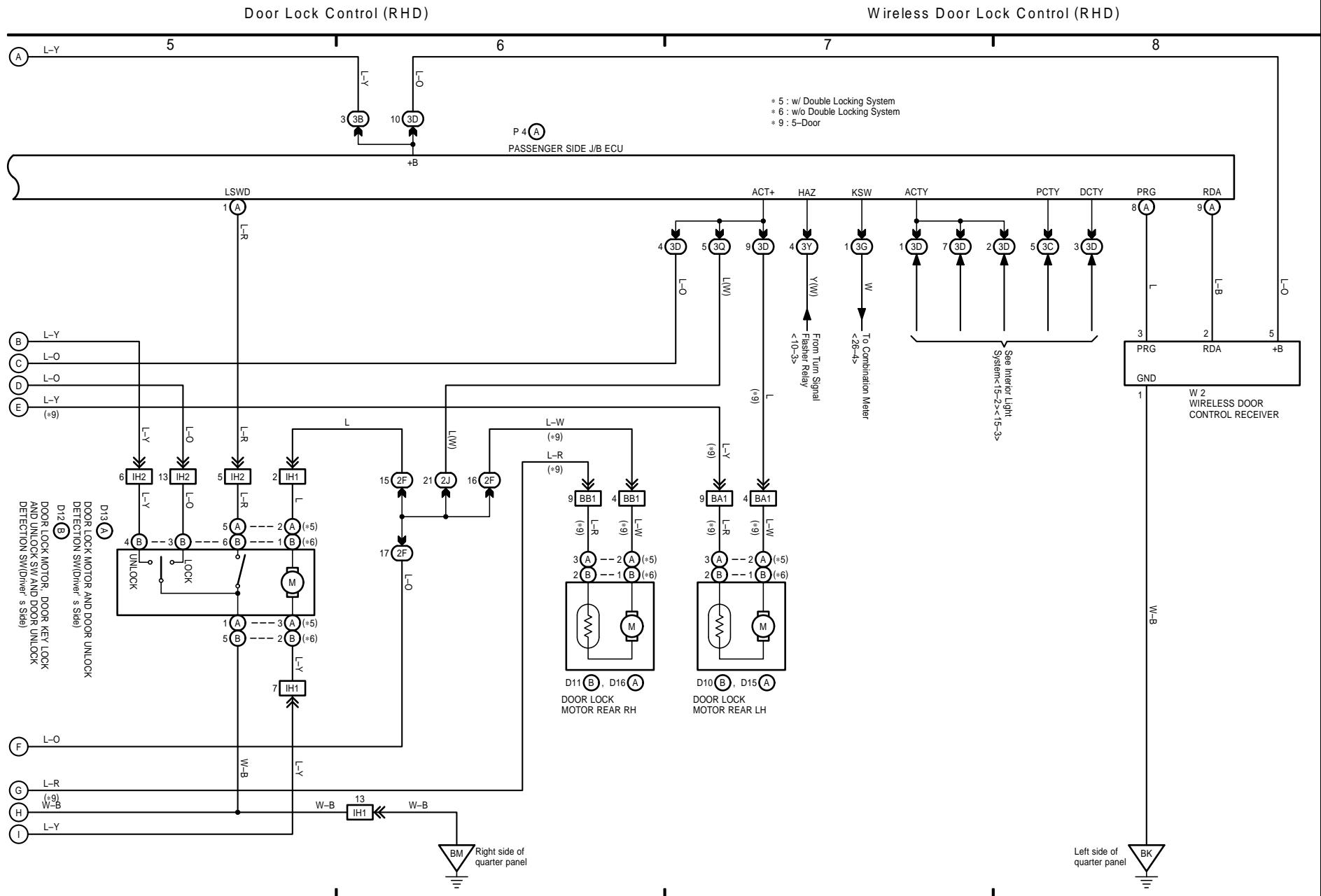


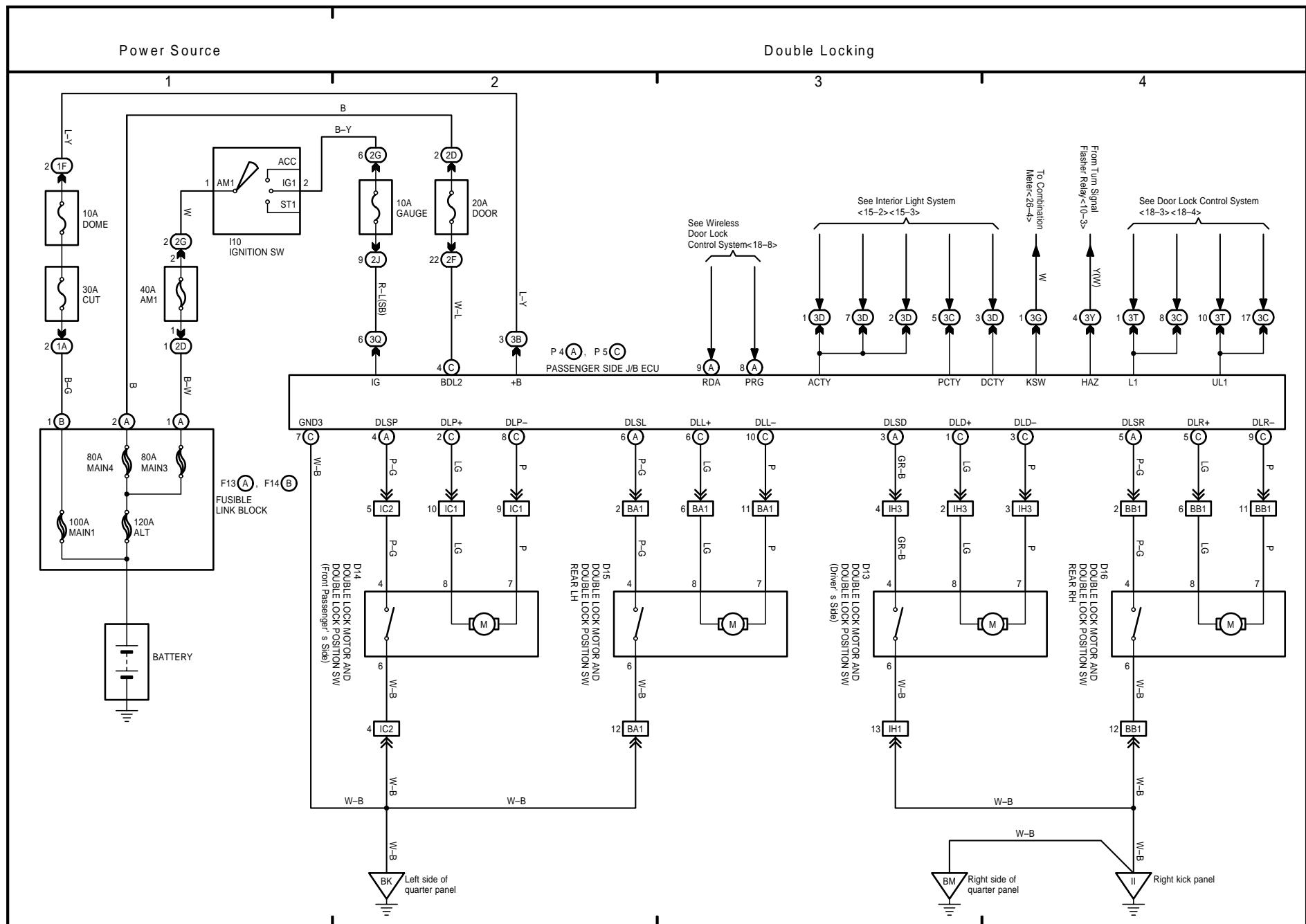
17 RAV4 (Cont' d)

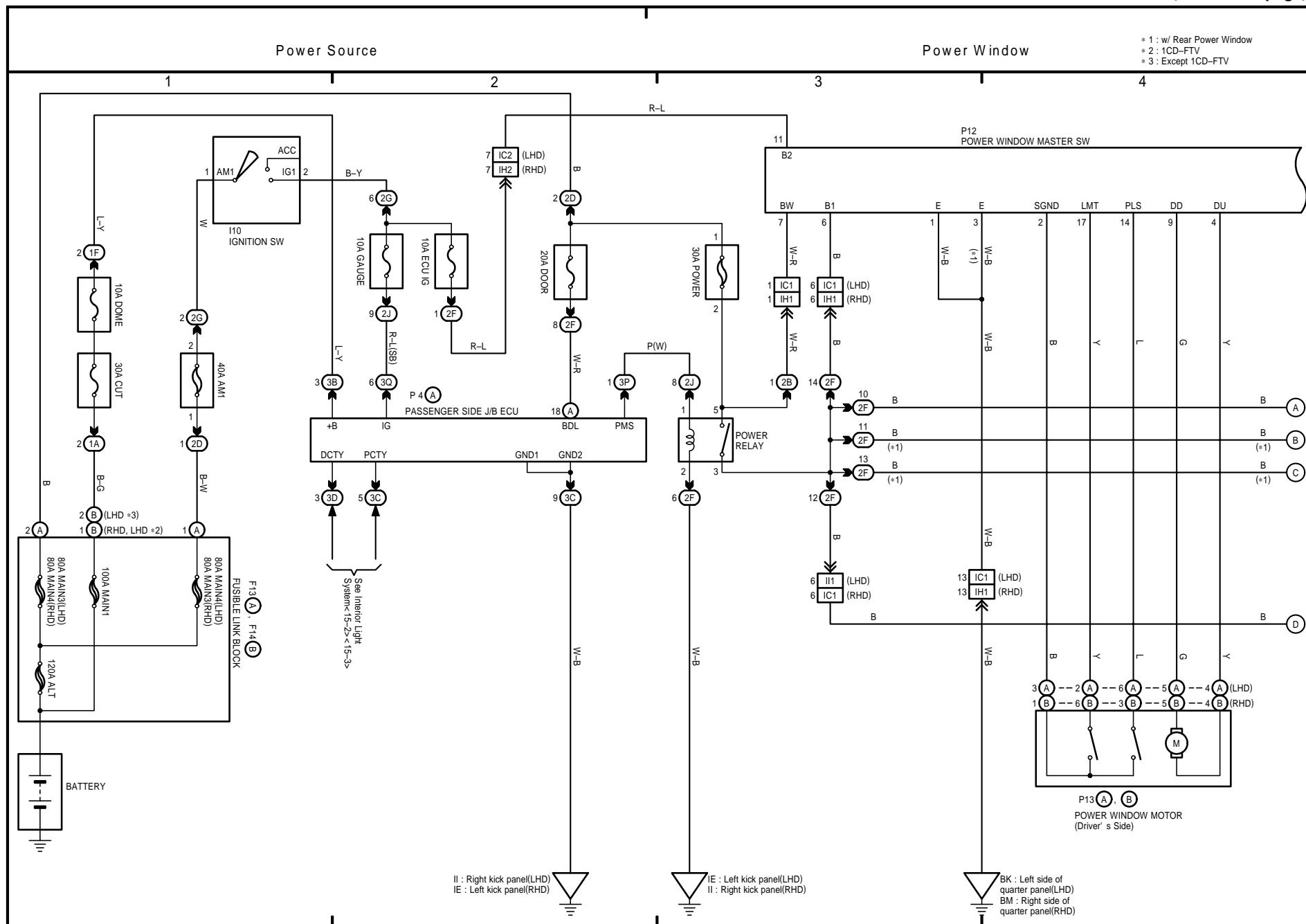


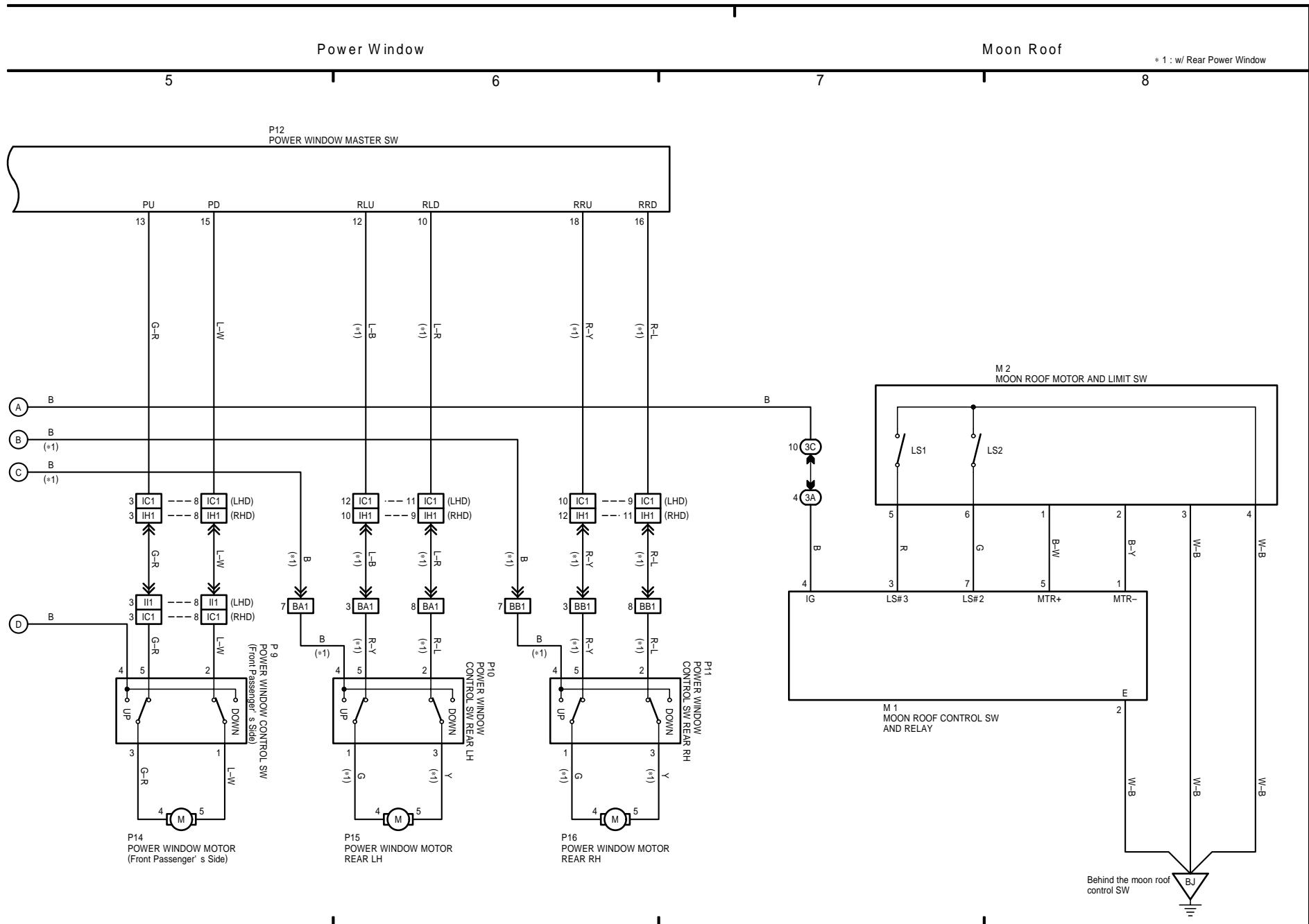
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29
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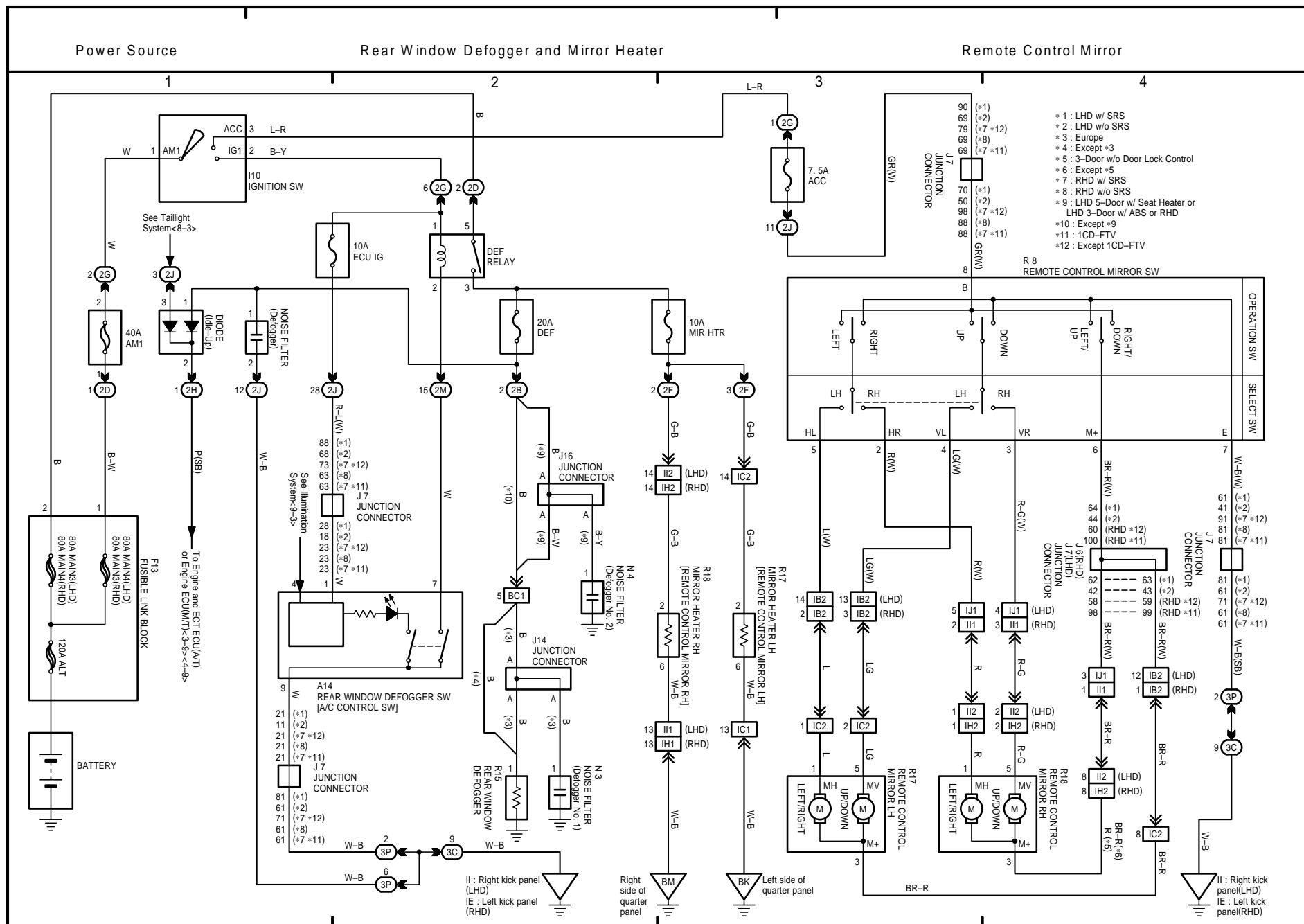


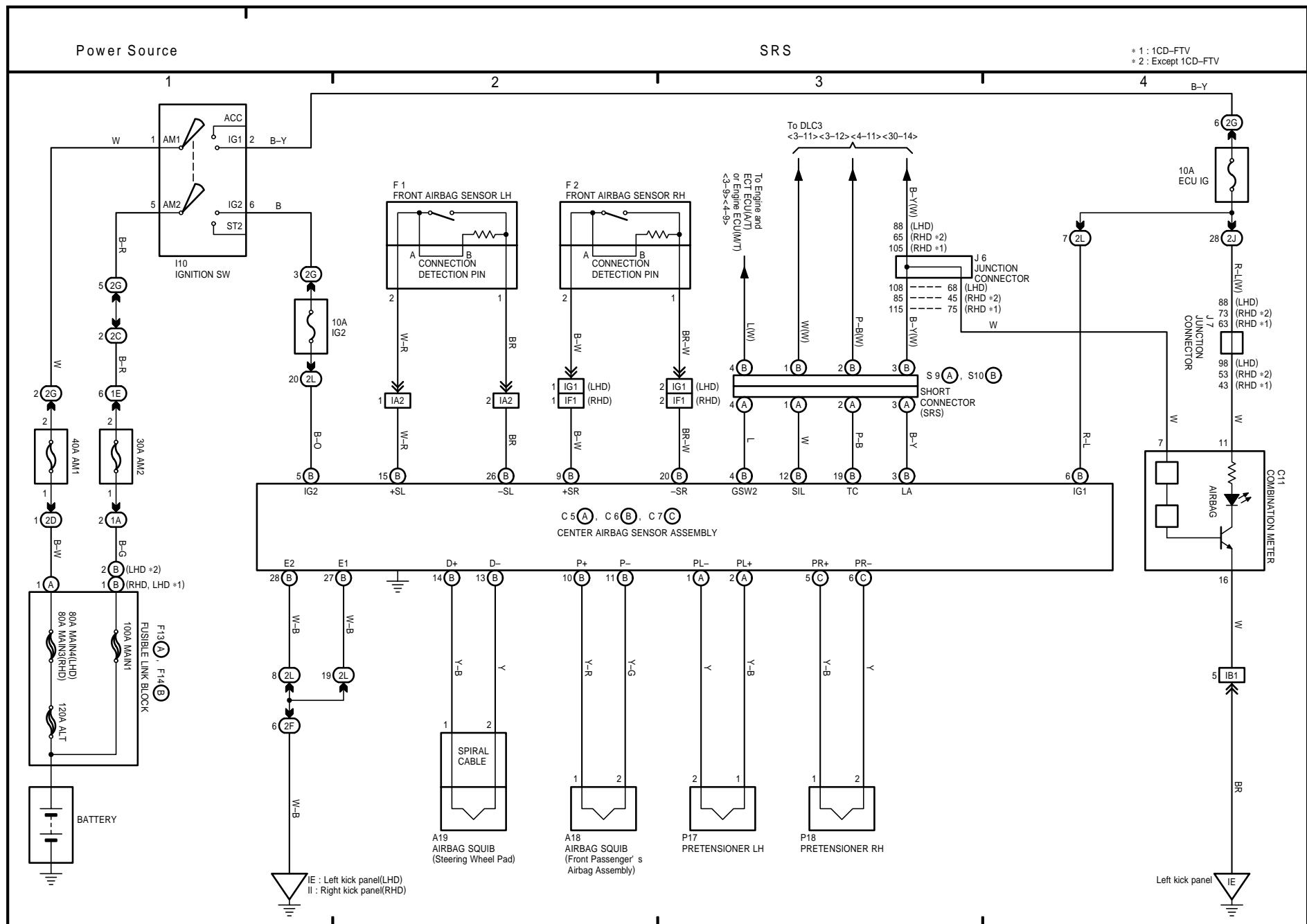


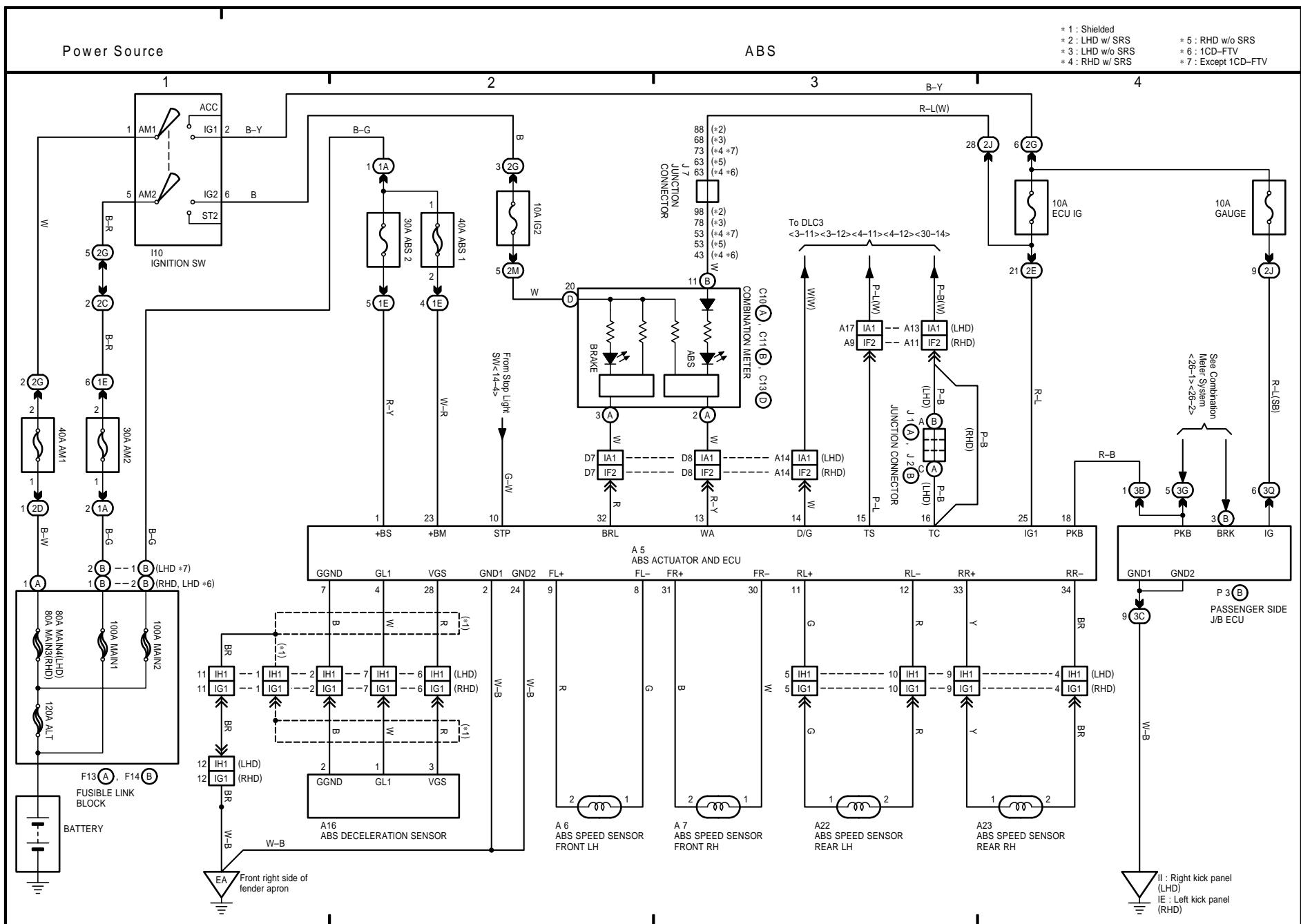


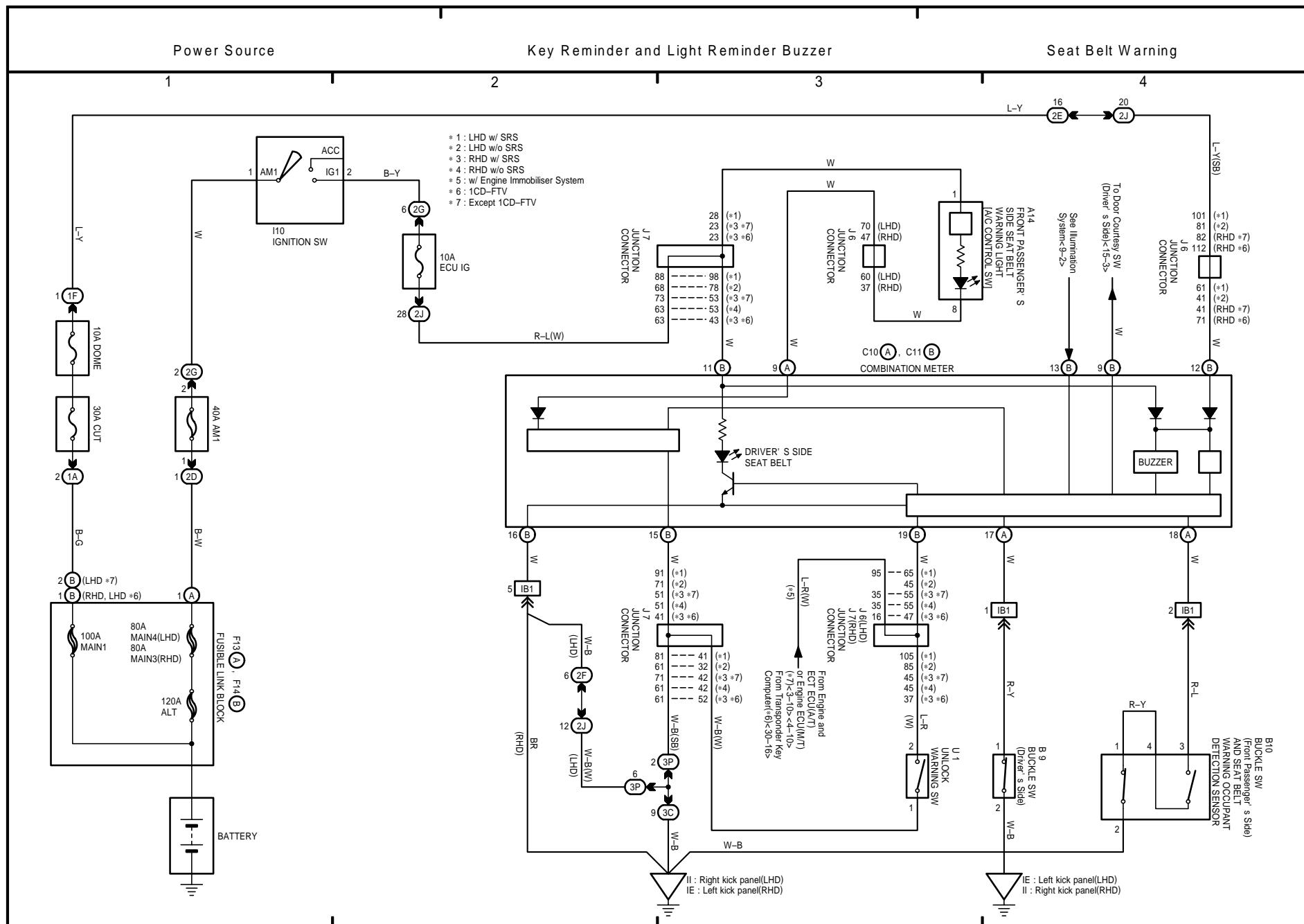


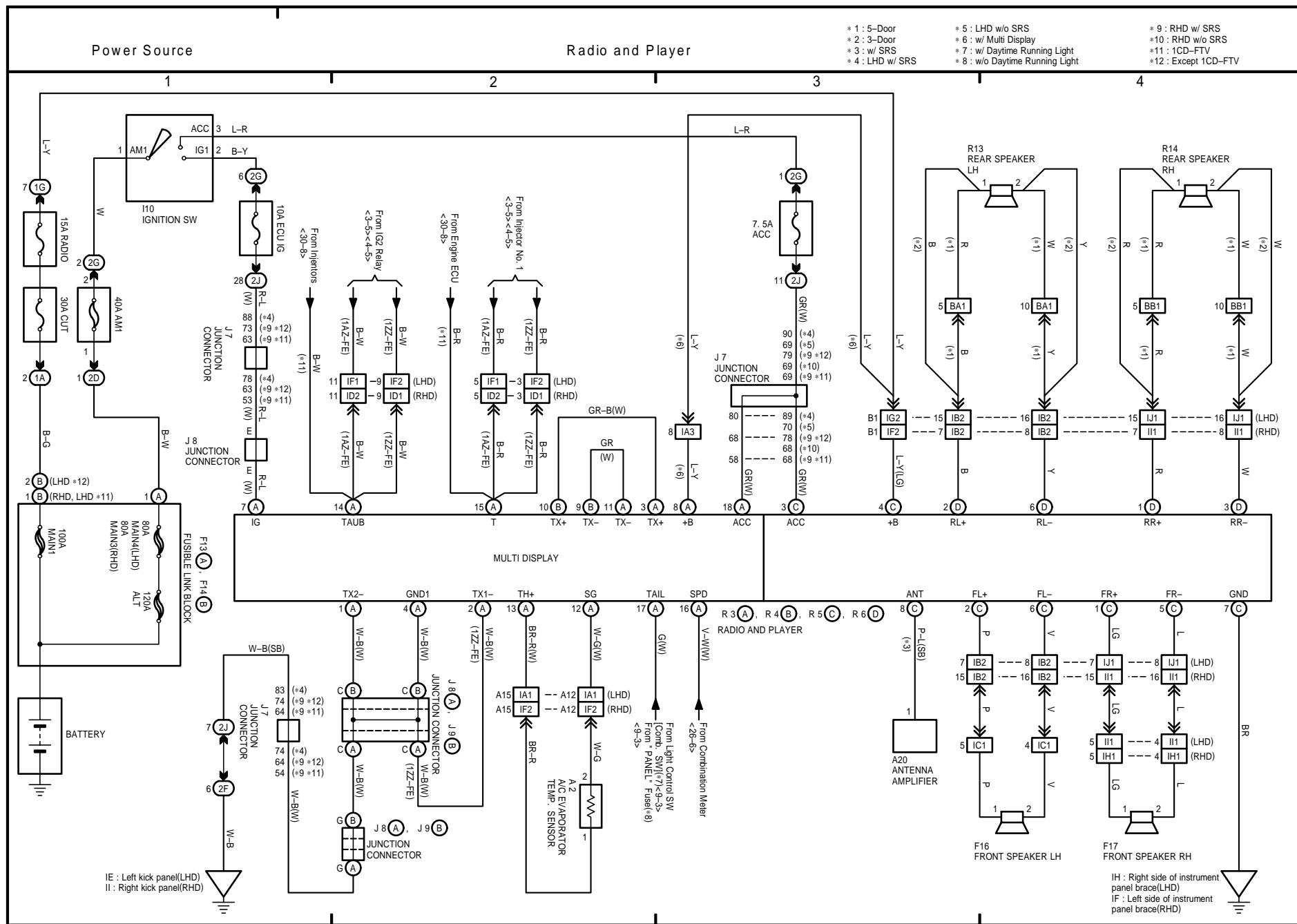


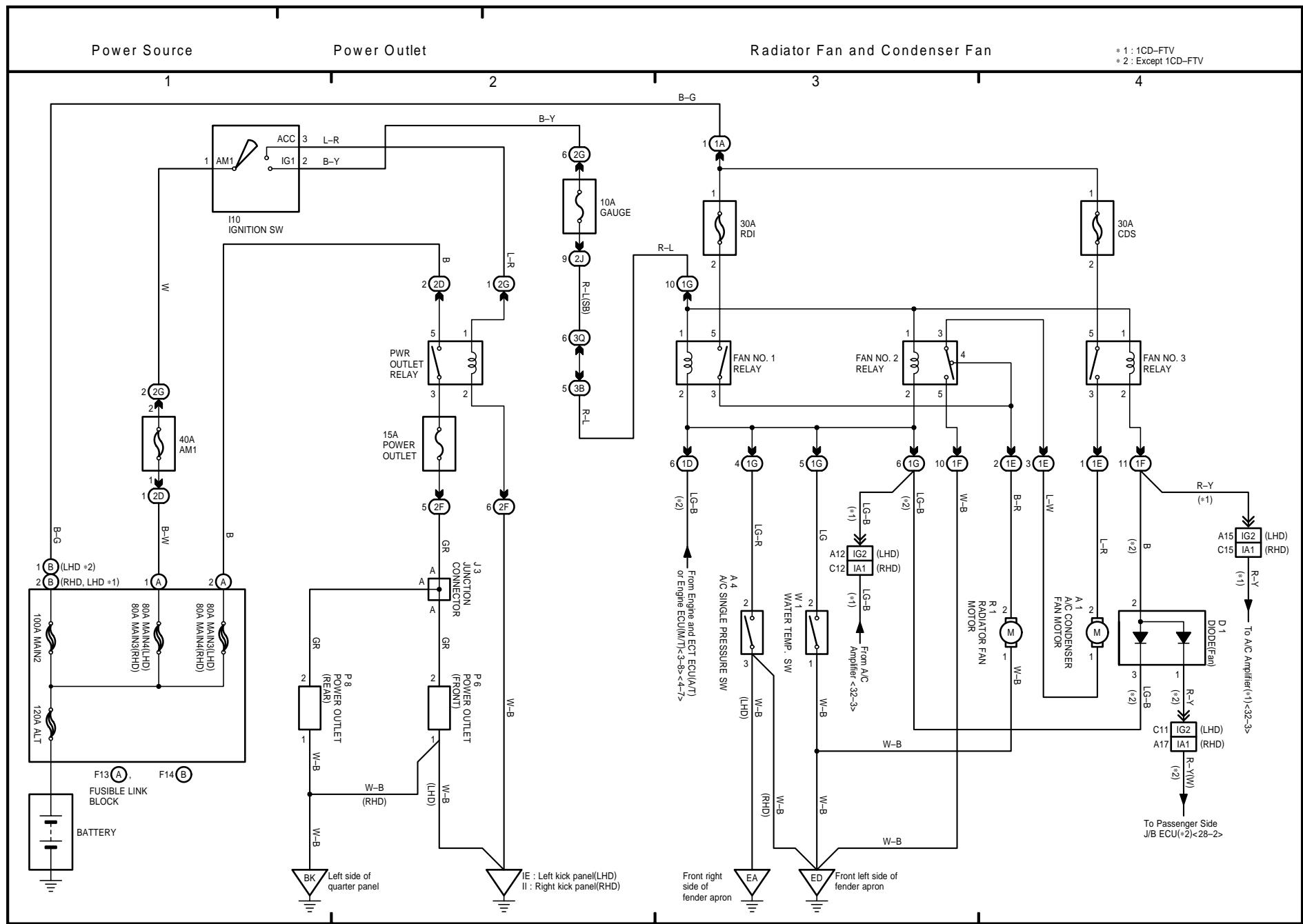


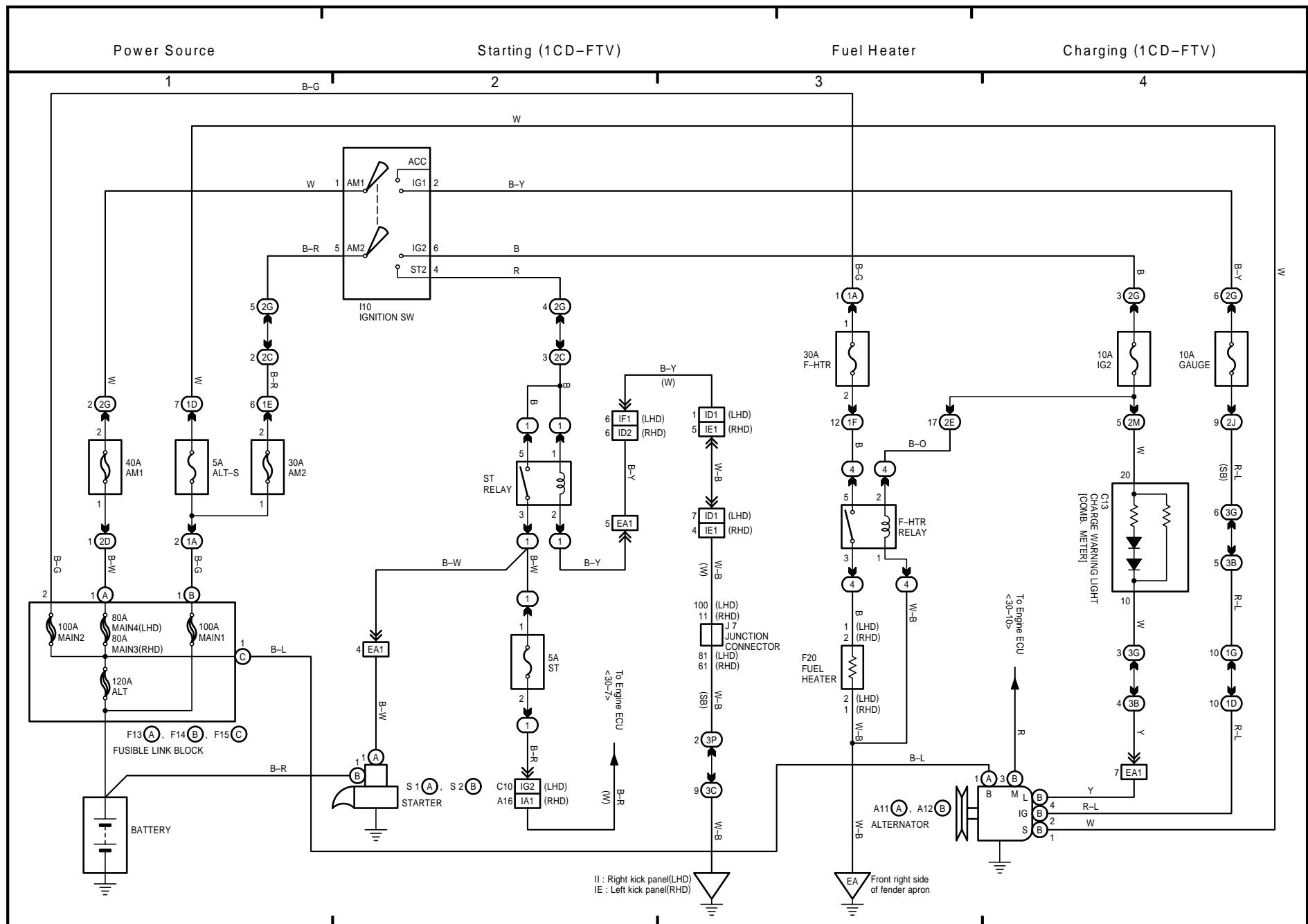


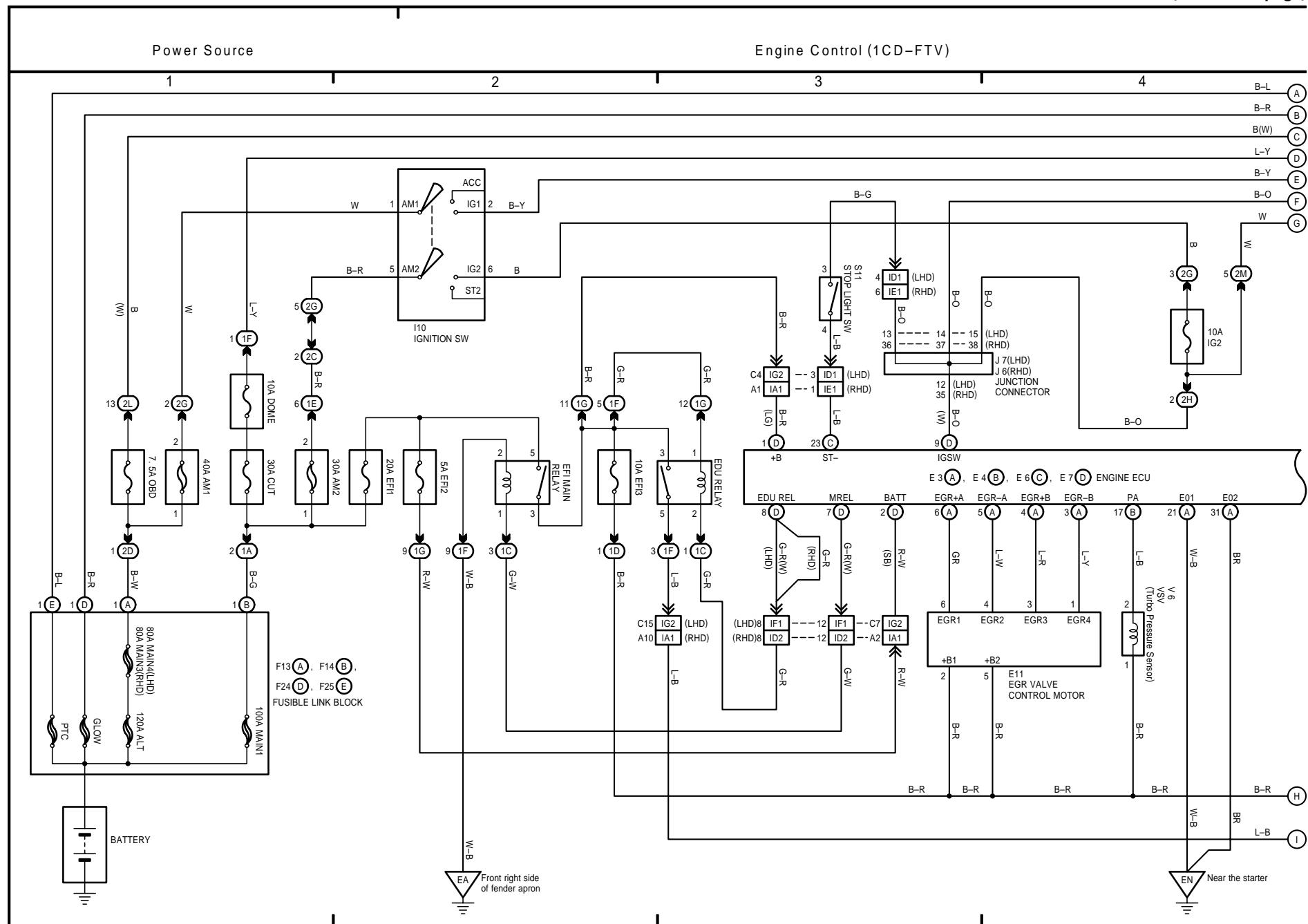




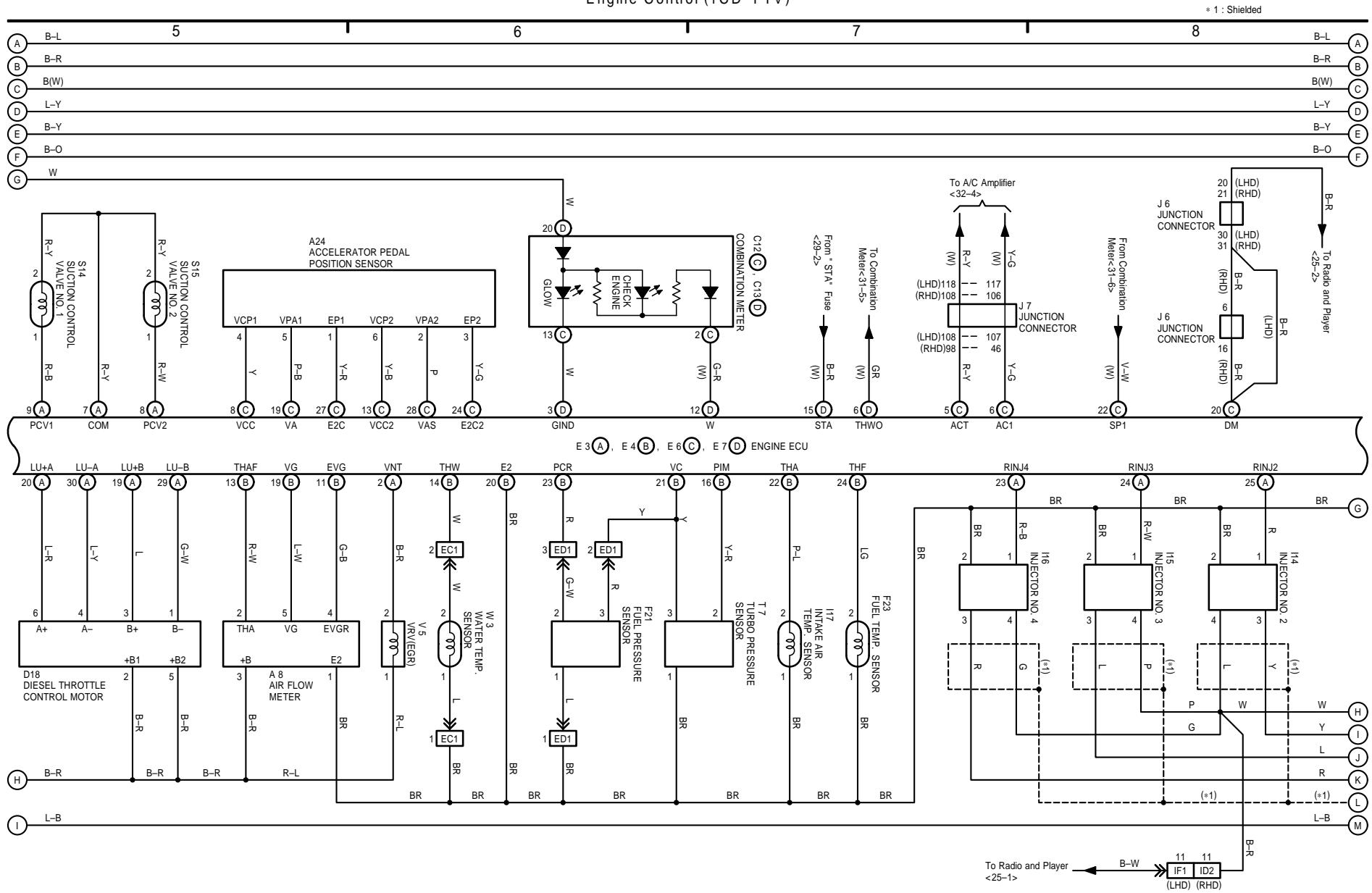




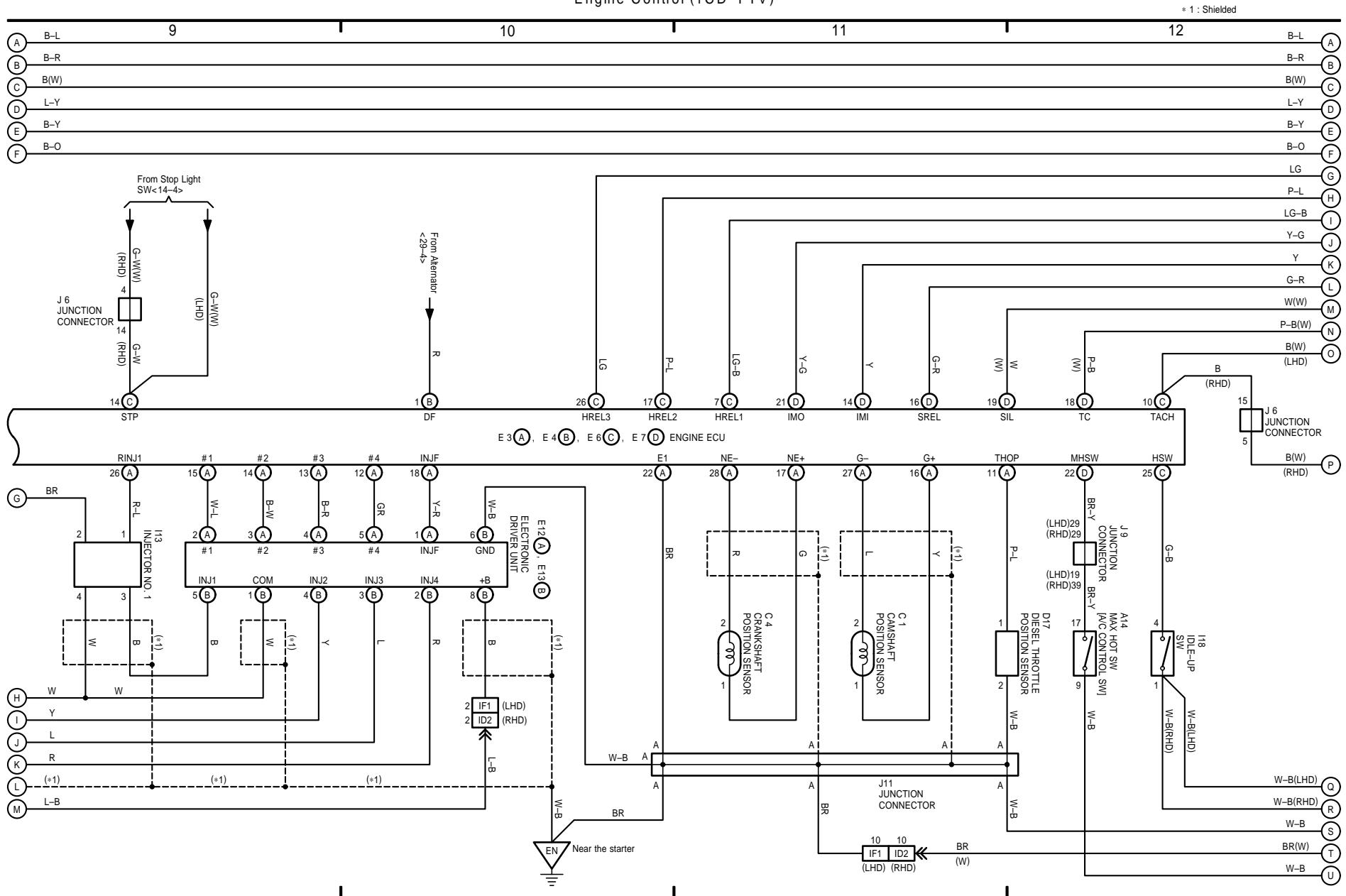


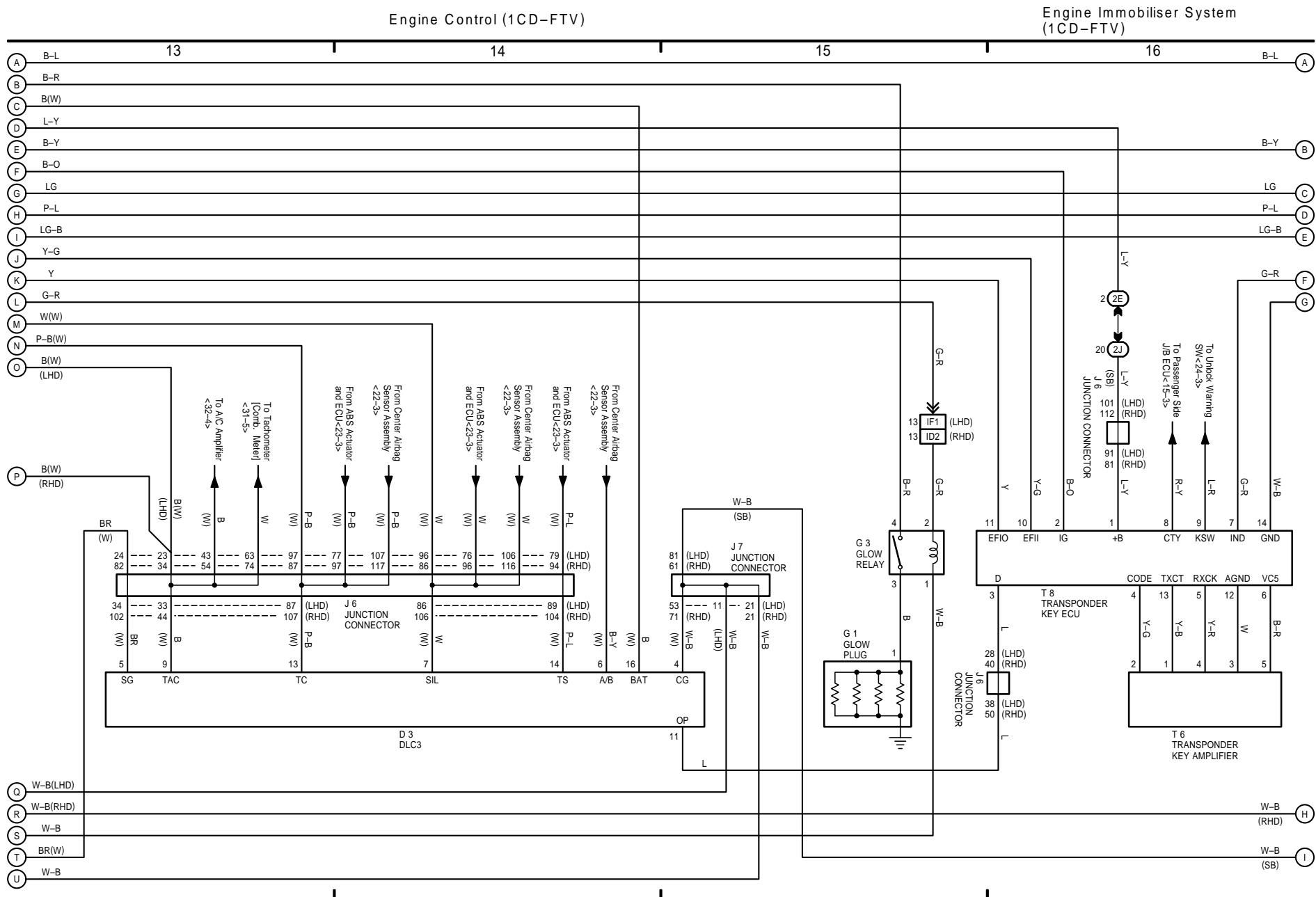


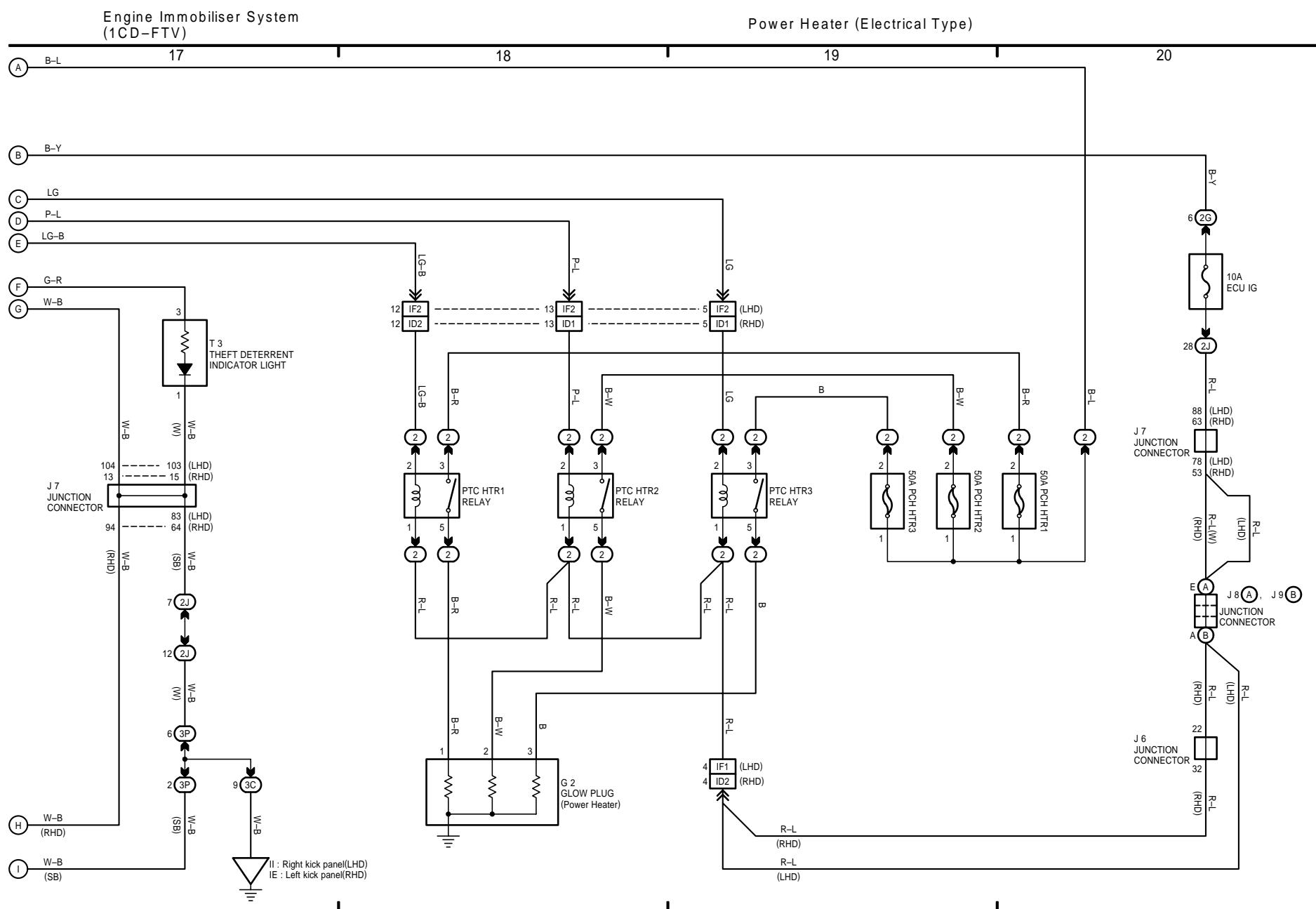
Engine Control (1CD-FTV)

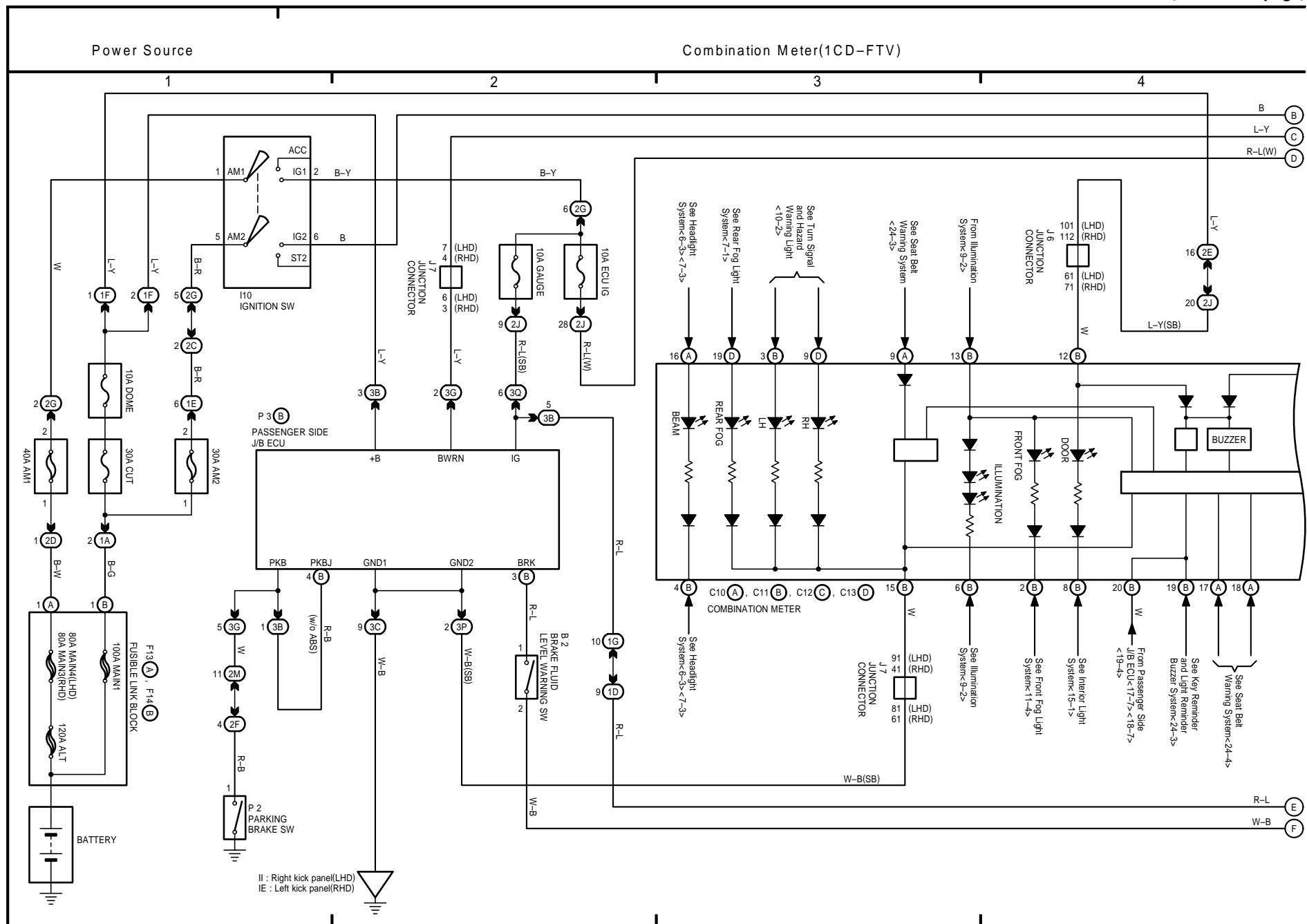


Engine Control (1CD-FTV)



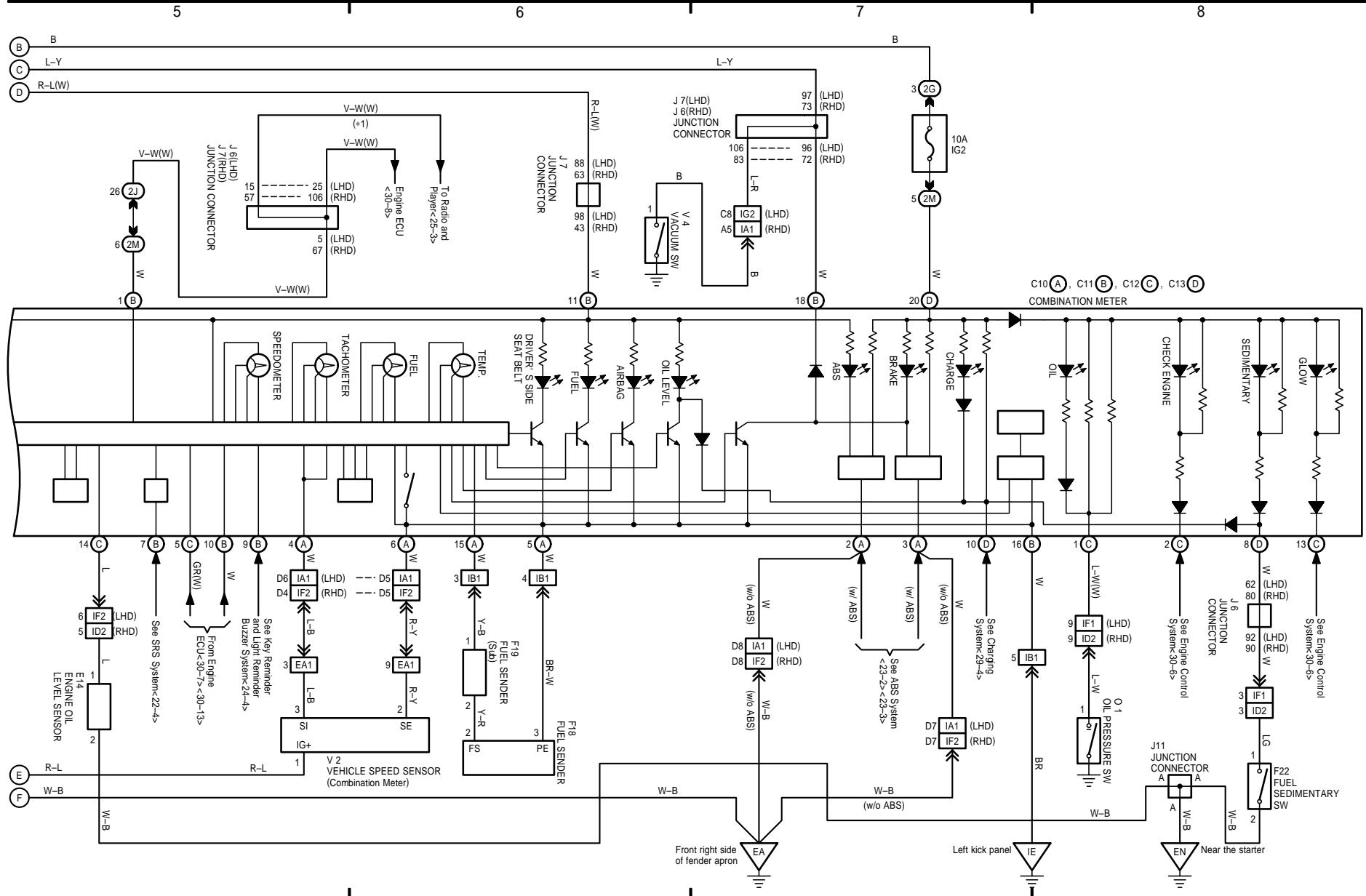


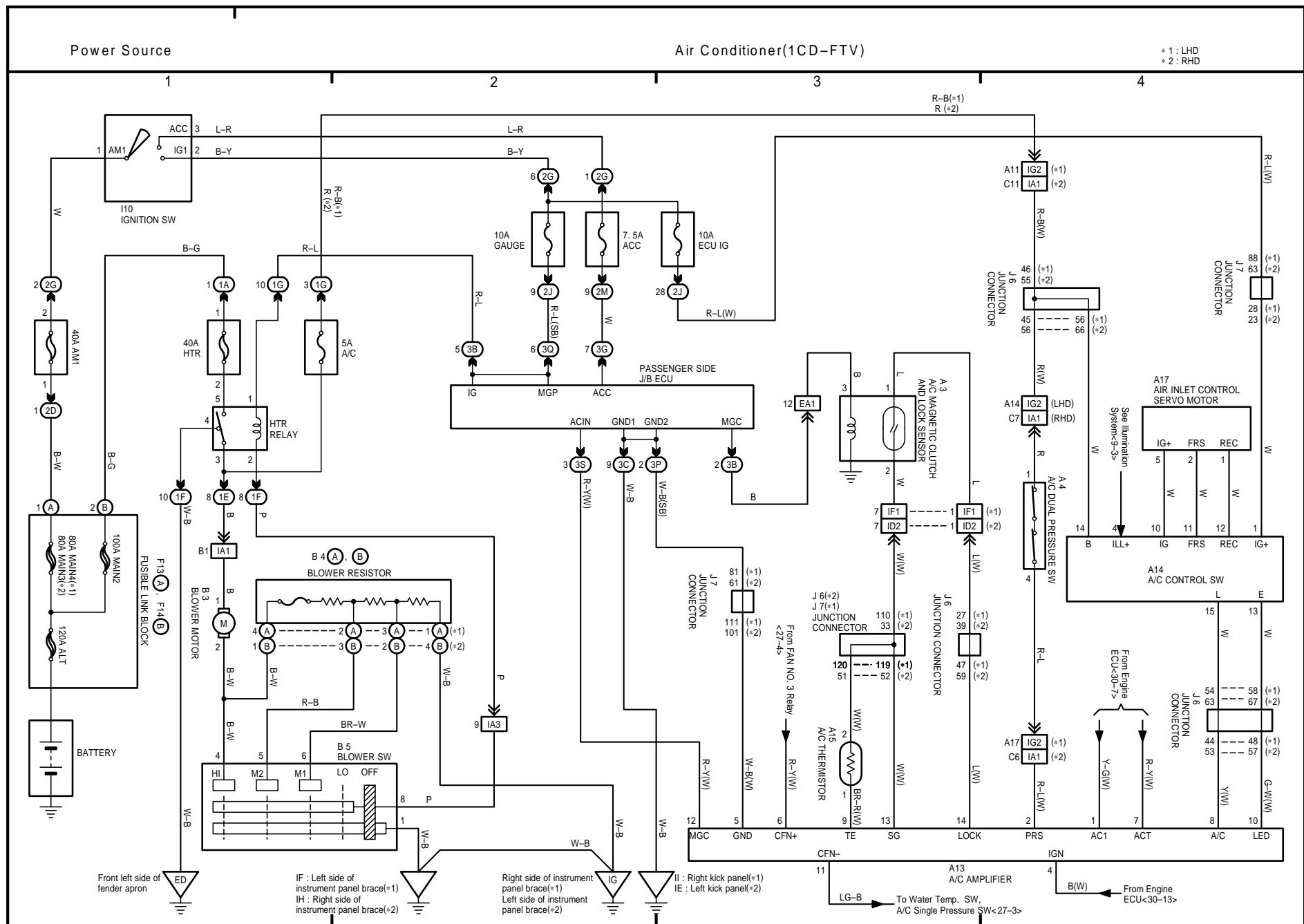




Combination Meter(1CD-FTV)

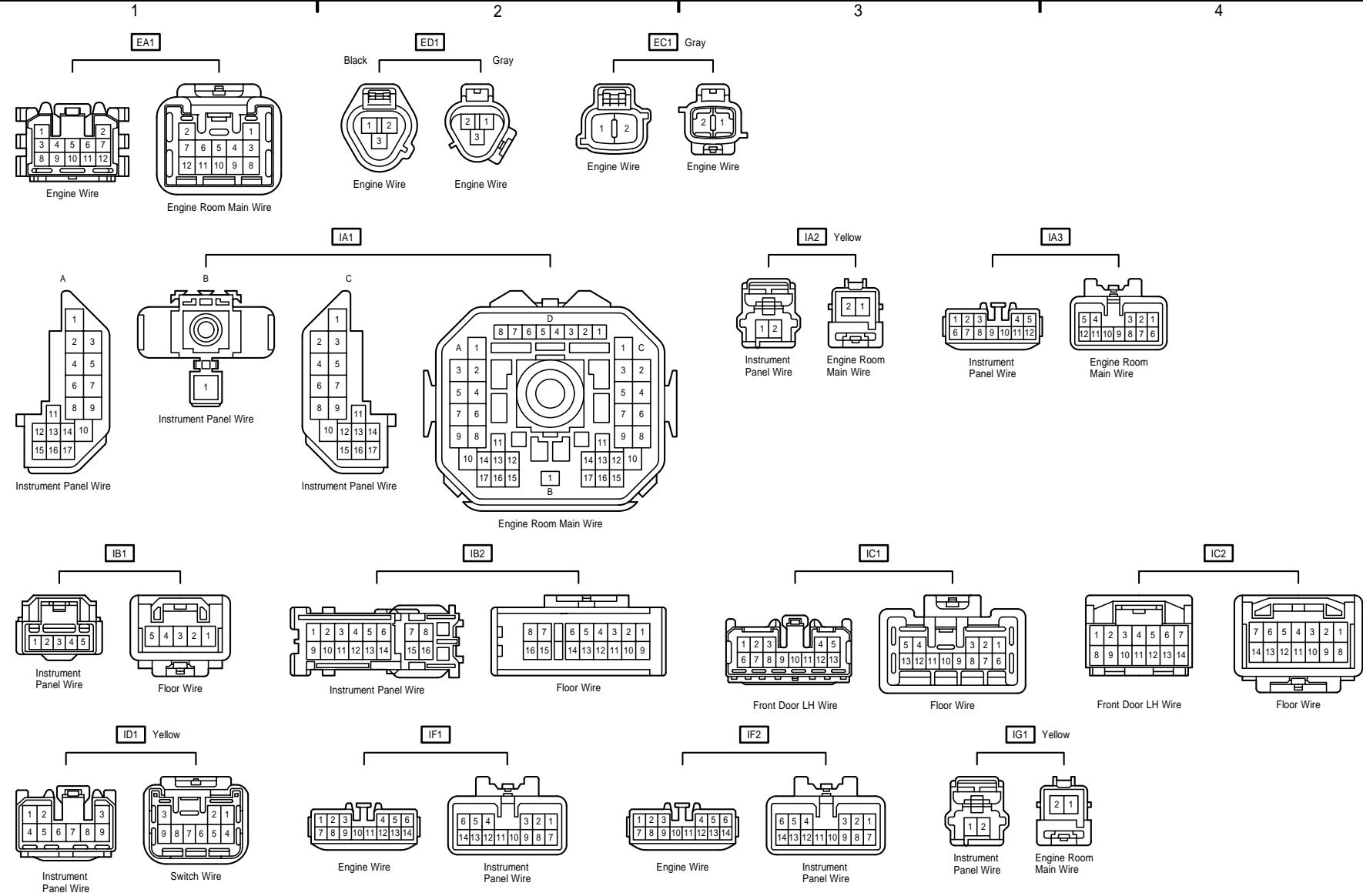
* 1 : w/ Multi Display





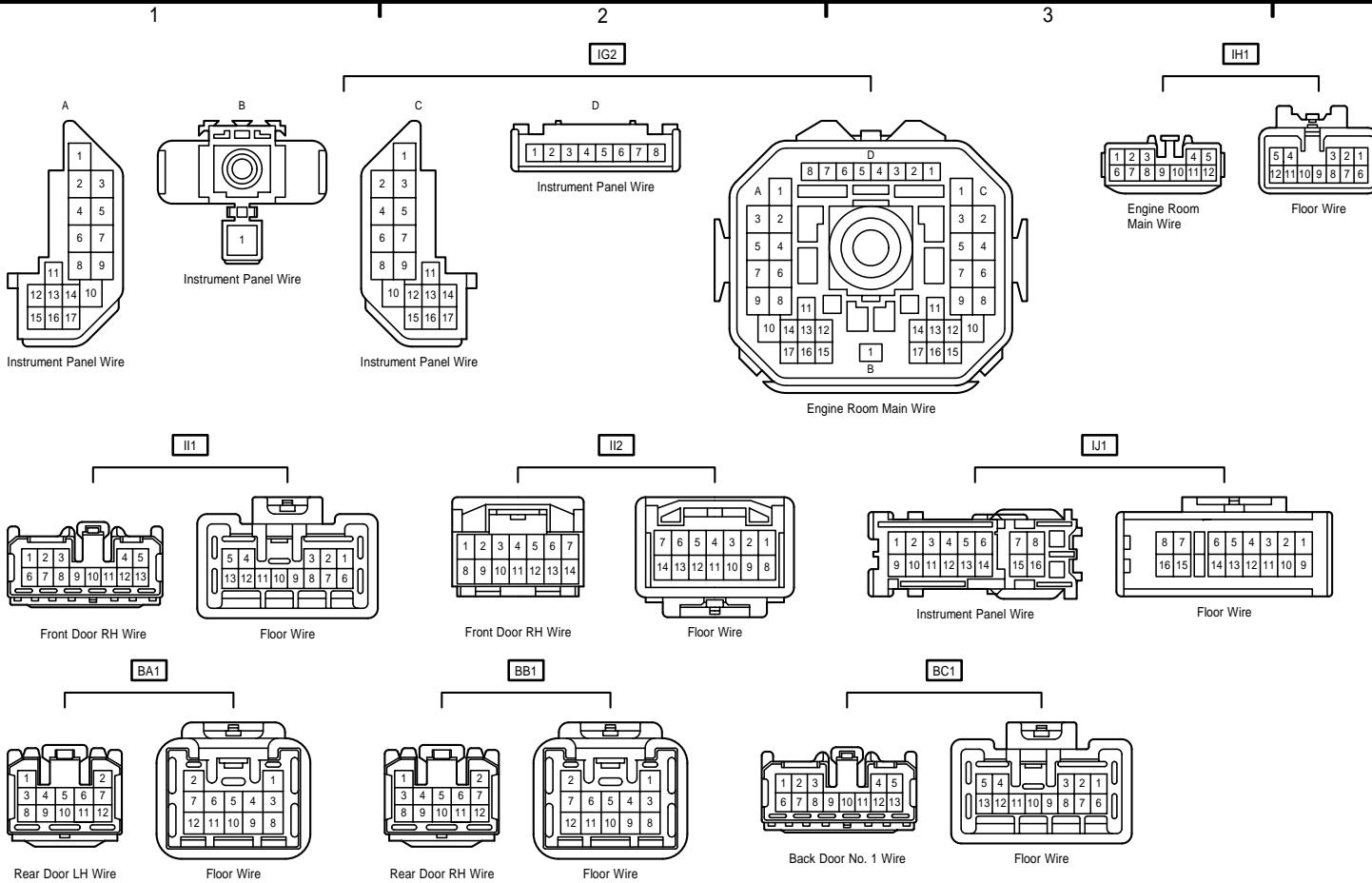
RAV4 (LHD)

Connector Joining Wire Harness and Wire Harness



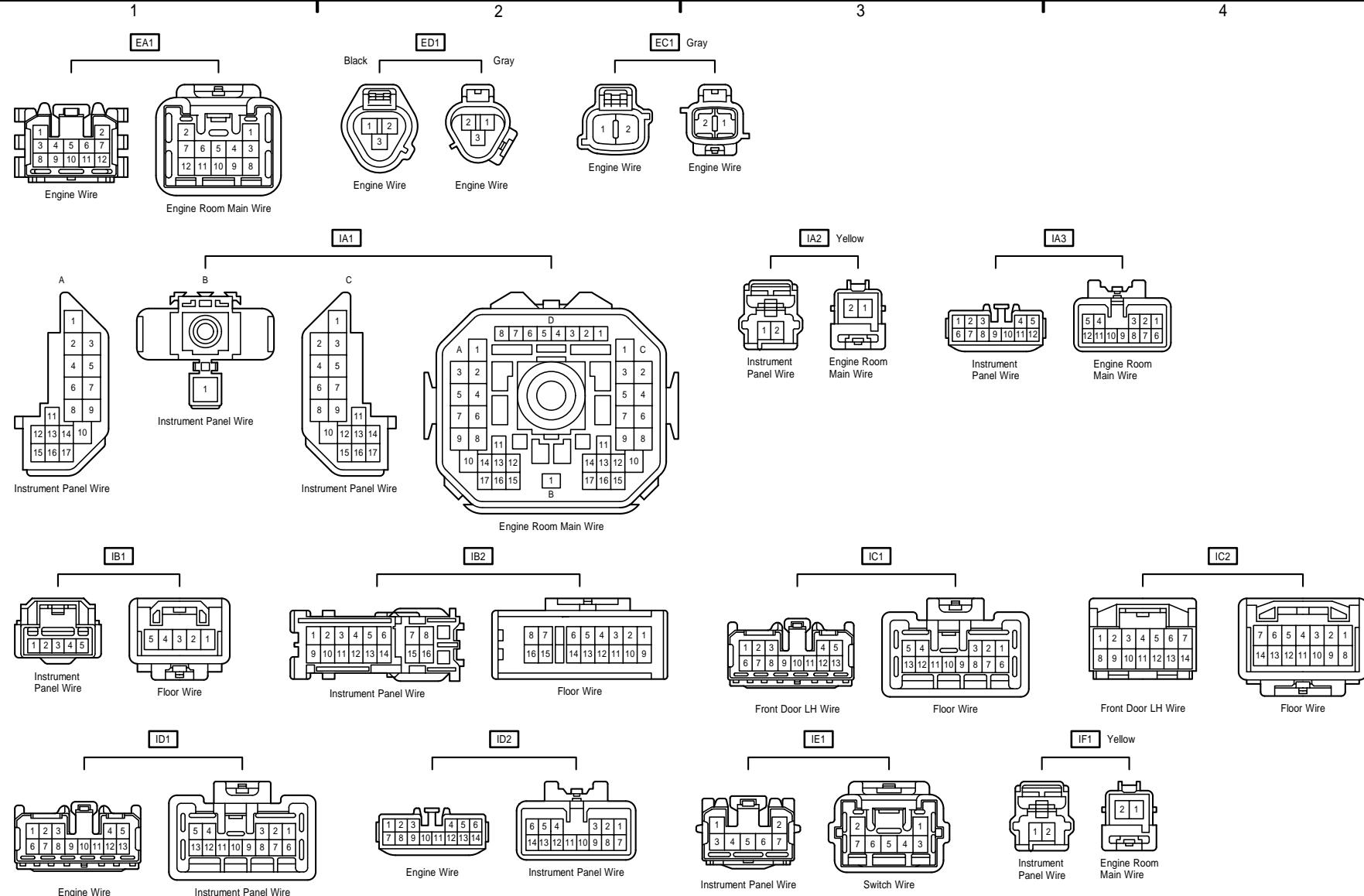
RAV4 (LHD)

Connector Joining Wire Harness and Wire Harness

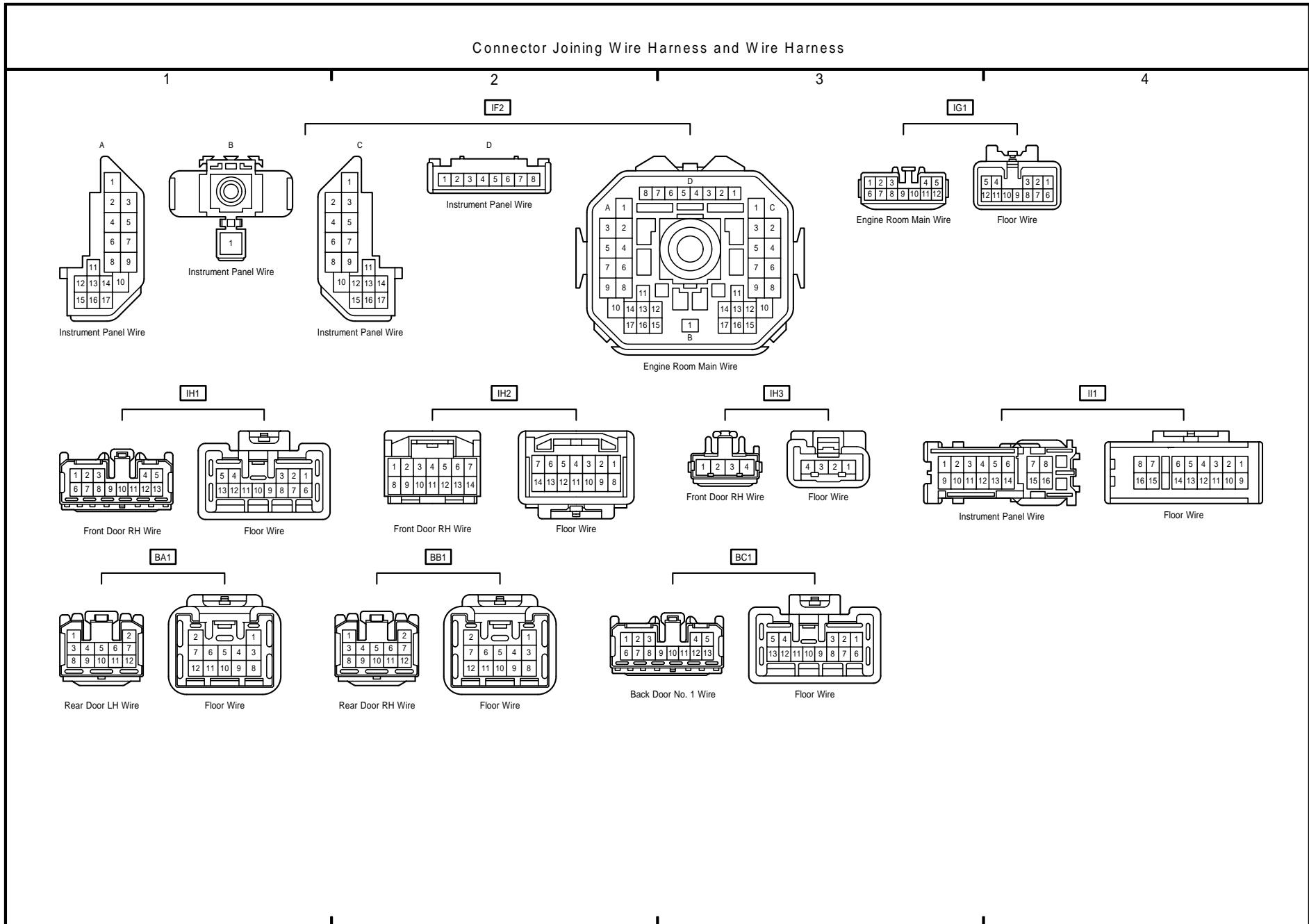


RAV4 (RHD)

Connector Joining Wire Harness and Wire Harness



RAV4 (RHD)



Connector List

1

A 1 Black



A 2 Black



A 3 Gray

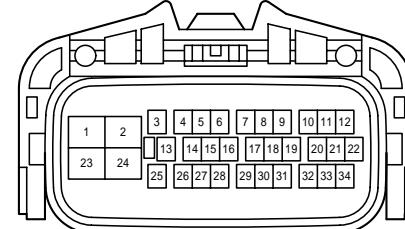


A 4 Gray



2

A 5 Black



A 6 Gray



A 7 Gray



A 8 Black



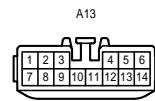
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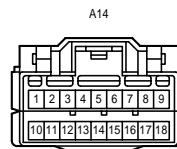
A11



A12 Black



A13



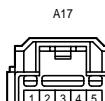
A14



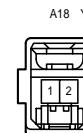
A15



A16 Black



A17



A18 Yellow

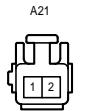


A19 Yellow



A20

I 53 -



A21



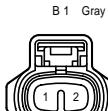
A22



A23



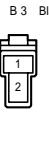
A24 Black



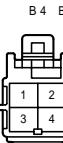
B 1 Gray



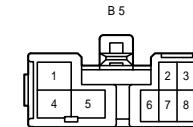
B 2 Gray



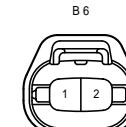
B 3 Black



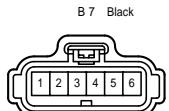
B 4 Black



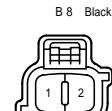
B 5



B 6



B 7 Black



B 8 Black



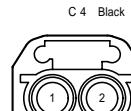
B 9



B 10



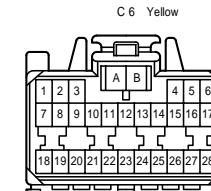
C 1 Black



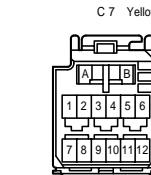
C 4 Black



C 5 Yellow



C 6 Yellow



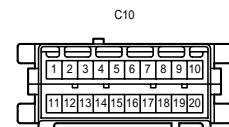
C 7 Yellow



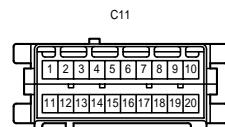
C 8



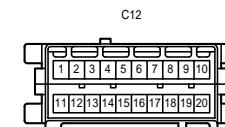
C 9



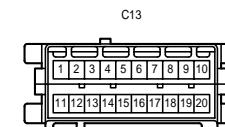
C 10



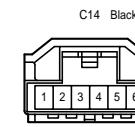
C 11



C 12

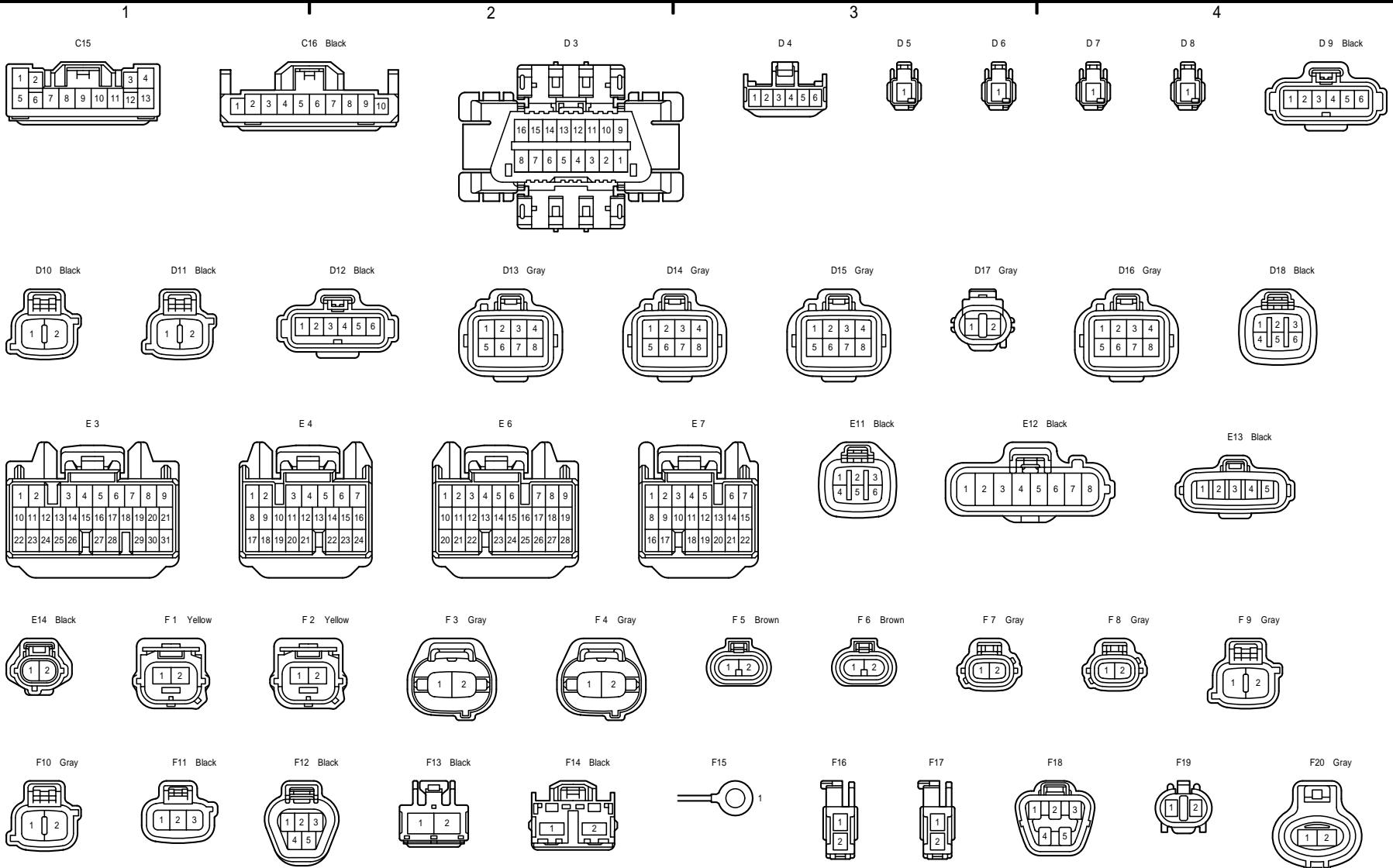


C 13



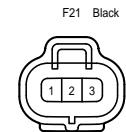
C 14 Black

Connector List

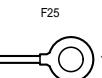


Connector List

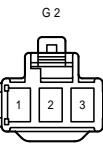
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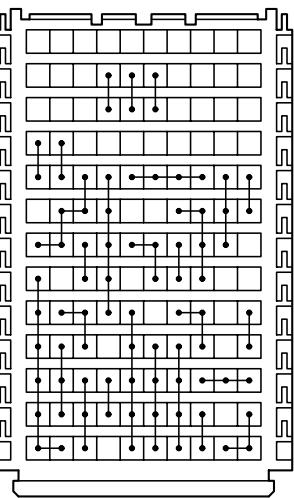
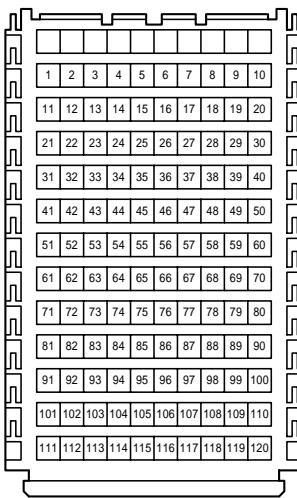
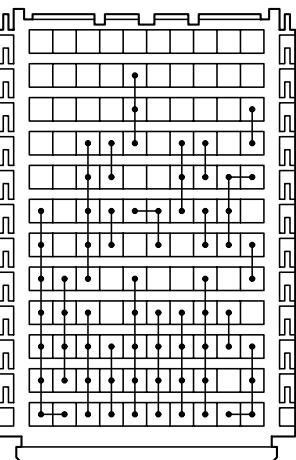
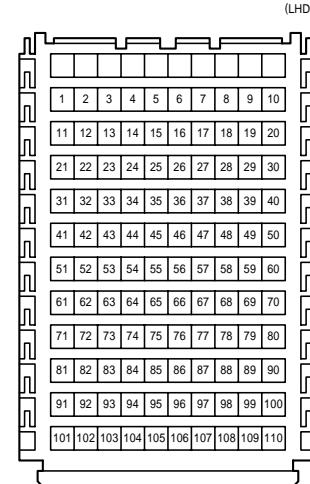
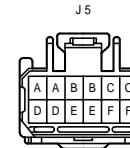
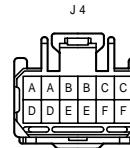
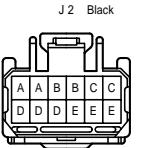
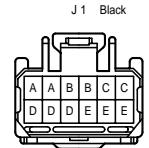
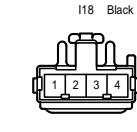
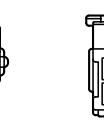
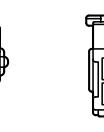
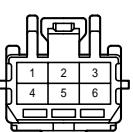
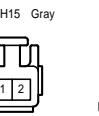
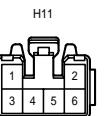
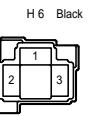
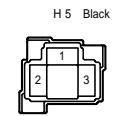
2



3



4



Connector List

1

2

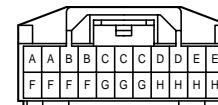
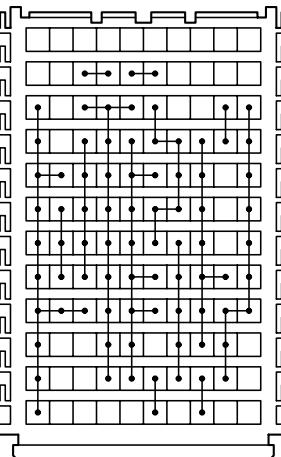
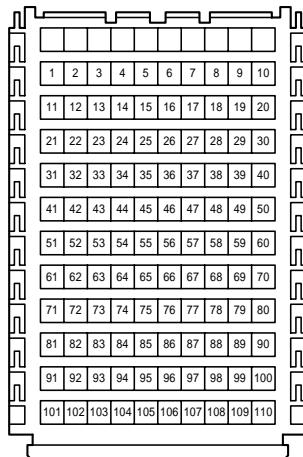
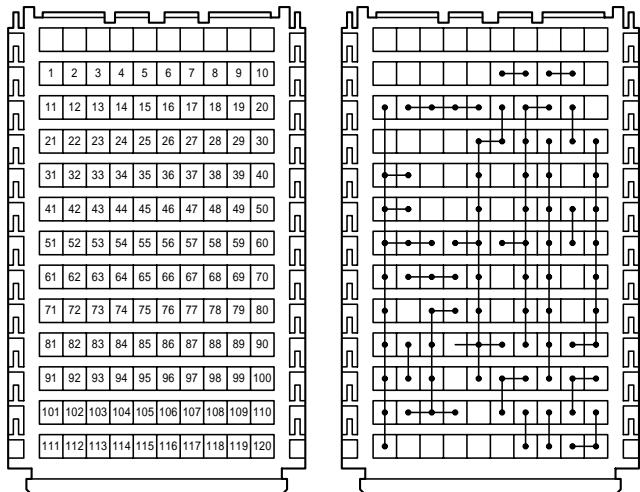
3

4

(LHD) J 7

(RHD) J 7

J 8 Blue



J 9 Blue

J11 Black

J14 Black

J16 Black

L 1

L 2 Black

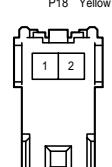
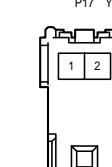
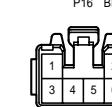
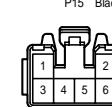
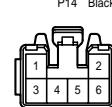
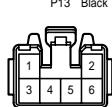
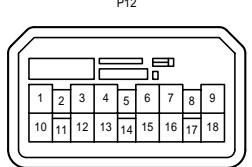
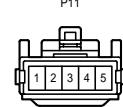
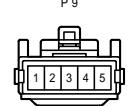
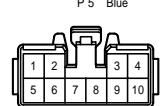
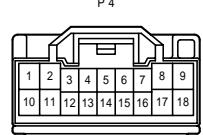
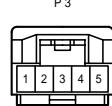
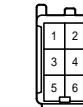
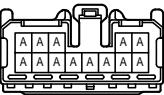
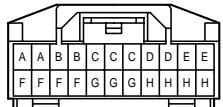
M 1

M 2

N 3

N 4

N 5



Connector List

1

