

FOREWORD

TOYOTA MOTOR CORPORATION

[TO MODEL INDEX](#)

This **supplement** provides information covering changes in the **Electrical System** specifications of the **HILUX** which were made in **JULY, 1999**.

Applicable models: **RZN**142, 144, 147, 148, 149, 154,
168, 169, 173, 174, 193 Series
KZN165 Series
LN 141, 145, 146, 147, 150, 152,
165, 166, 167, 170, 171, 172,
190, 191 Series

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For information which is not mentioned in this manual, please refer to the following Electrical Wiring Diagram Manuals:

Manual Name	Pub. No.
• HILUX Electrical Wiring Diagram	EWD307F
• HILUX Chassis and Body Repair Manual Supplement	RM706E
• 1KZ-TE Engine Repair Manual	RM710E

All information in this manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

NOTICE

When handling supplemental restraint system components (removal, installation or inspection, etc.), always follow the direction given in the repair manuals listed above to prevent accidents and supplemental restraint system malfunction.

MAIN INDEX: HILUX

ELECTRICAL WIRING DIAGRAM: Supp.

July 1999

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This manual consists of the following 9 sections:

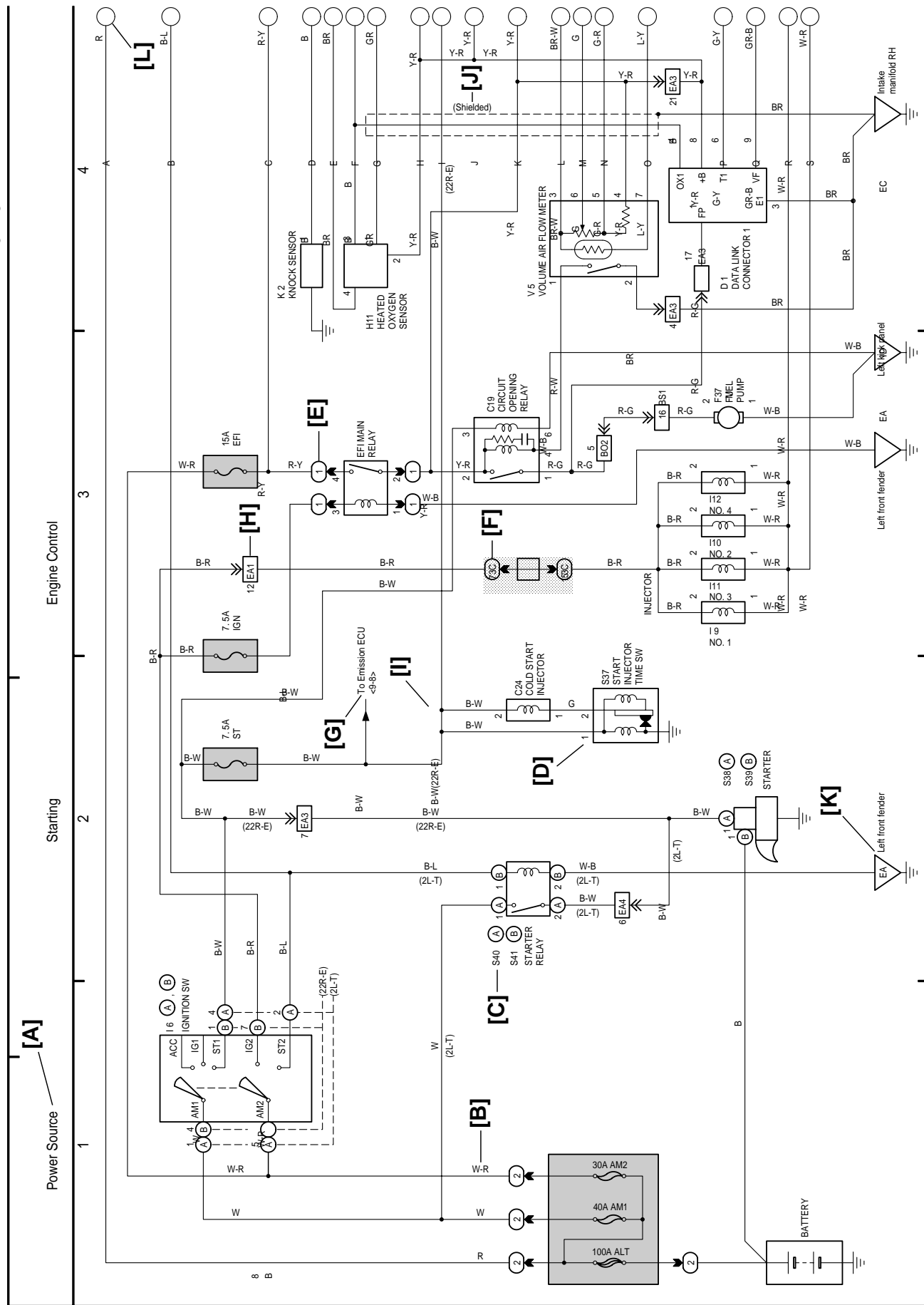
No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	ABBREVIATIONS	Defines the abbreviations used in this manual.
D	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the wiring diagram.
E	PARTS LIST	List of part names used in this manual.
F	CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS	Shows connector joining wire harness and wire harness described in this manual.
G	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the wiring diagram.
H	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
I	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

B HOW TO USE THIS MANUAL

English

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.

HOW TO READ THIS SECTION



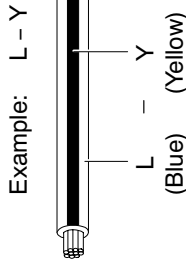
[A] : System Title

[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B = Black	W = White	BR = Brown
L = Blue	V = Violet	SB = Sky Blue
R = Red	G = Green	LG = Light Green
P = Pink	Y = Yellow	GR = Gray
O = Orange		

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

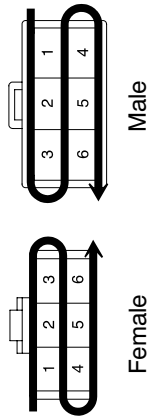


[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[D] : Indicates the pin number of the connector.

The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right

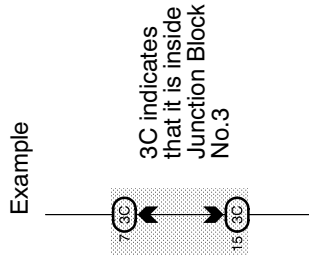


The numbering system for the overall wiring diagram is the same as above.

[E] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

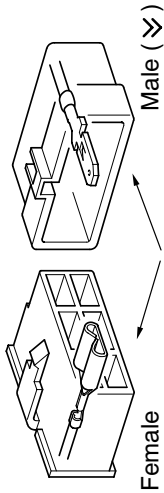
Example: Indicates Relay Block No.1

[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.



[G] : Indicates related system.

[H] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (↗). Outside numerals are pin numbers.



[I] : () is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

[J] : Indicates a shielded cable.



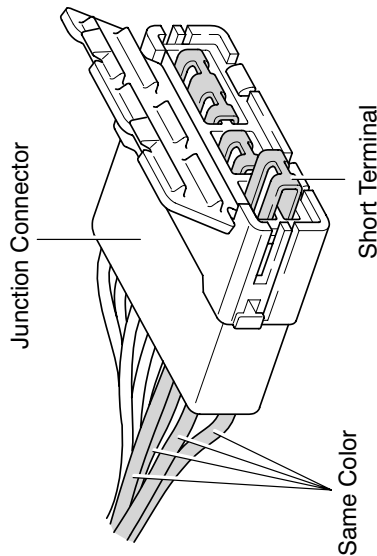
[K] : Indicates and located on ground point.

[L] : The same code occurring on the next page indicates that the wire harness is continuous.

HINT :

Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)

Wire harness sharing the same short terminal grouping have the same color.



C ABBREVIATIONS

ABBREVIATIONS

The following abbreviations are used in this manual.

ABS	=	Anti-Lock Brake System
A/C	=	Air Conditioner
ADD	=	Automatic Disconnecting Differential
A/T	=	Automatic Transmission
BACS	=	Boost Altitude Compensational Stopper
COMB.	=	Combination
DIFF.	=	Differential
DLC3	=	Data Link Connector 3
ECT	=	Electronically Controlled Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EVAP	=	Evaporative Emission
G.C.C.	=	Gulf Cooperation Council
IIA	=	Integrated Ignition Assembly
ISC	=	Idle Speed Control
LH	=	Left-Hand
LHD	=	Left-Hand Drive
M/T	=	Manual Transmission
O/D	=	Overdrive
RH	=	Right-Hand
RHD	=	Right-Hand Drive
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
VRV	=	Vacuum Regulating Valve
VSV	=	Vacuum Switching Valve
w/	=	With
w/o	=	Without
2WD	=	Two Wheel Drive Vehicles
4WD	=	Four Wheel Drive Vehicles

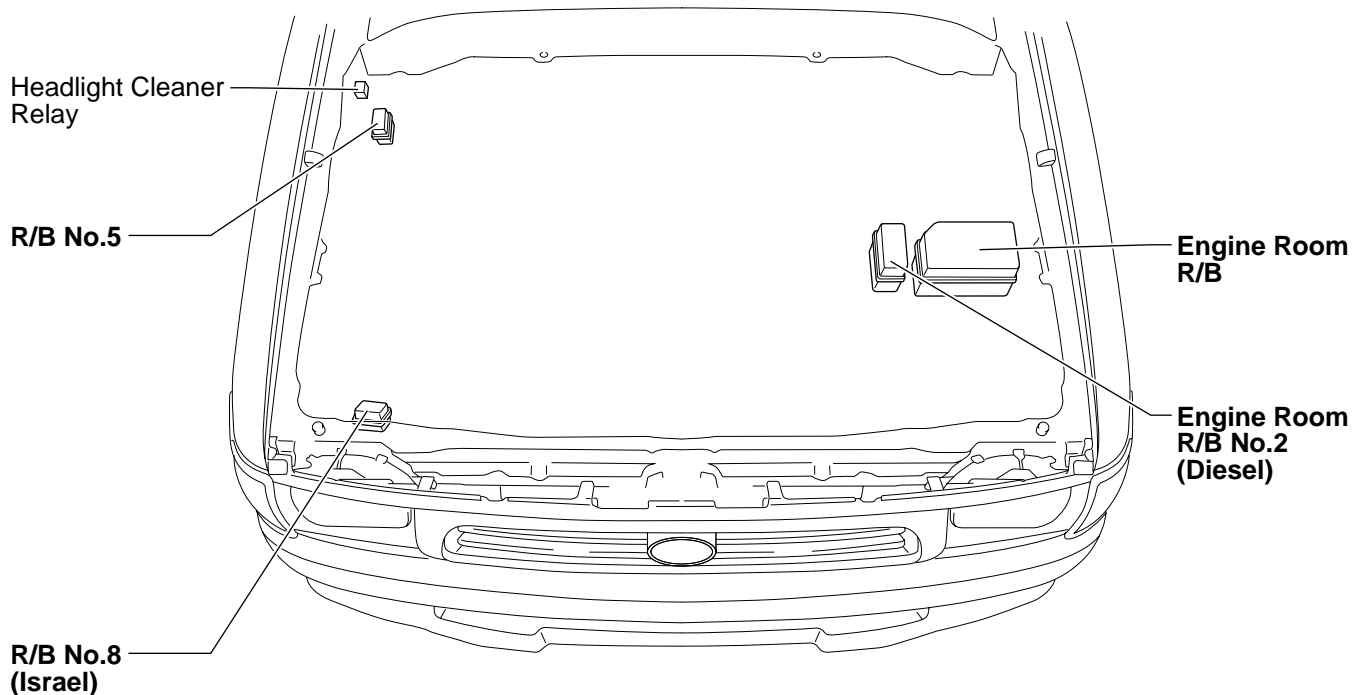
* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

RELAY LOCATIONS:

ENGINE COMPARTMENT: Pg 22
1.LHD Pg 22
INSTRUMENT PANEL Pg 22
1.LHD Pg22
ENGINE COMPARTMENT: Pg 23
1.RHD Pg 23
INSTRUMENT PANEL Pg 23
1.RHD Pg23
DRIVER SIDE J/B Pg 24
LHD Pg24
DRIVER SIDE J/B INNER CIRCUIT LHD Pg 25
DRIVER SIDE J/B Pg 26
RHD Pg26
DRIVER SIDE J/B INNER CIRCUIT RHD Pg 27
CENTER J/B Pg28
RHD AUSTRALIA Pg28
CENTER J/B INNER CIRCUIT Pg29
ENGINE ROOM R/B: Pg 30
ENGINE ROOM R/B No.2 Pg 31
R/B No.5 Pg31
R/B No.6 RHD w/DIM-DIP LIGHT Pg32
PASSENGER SIDE R/B Pg32:
RHD 3RZ-FE, 1RZ-E, 1KZ-TE Pg 32
R/B No.8 ISRAEL Pg 33

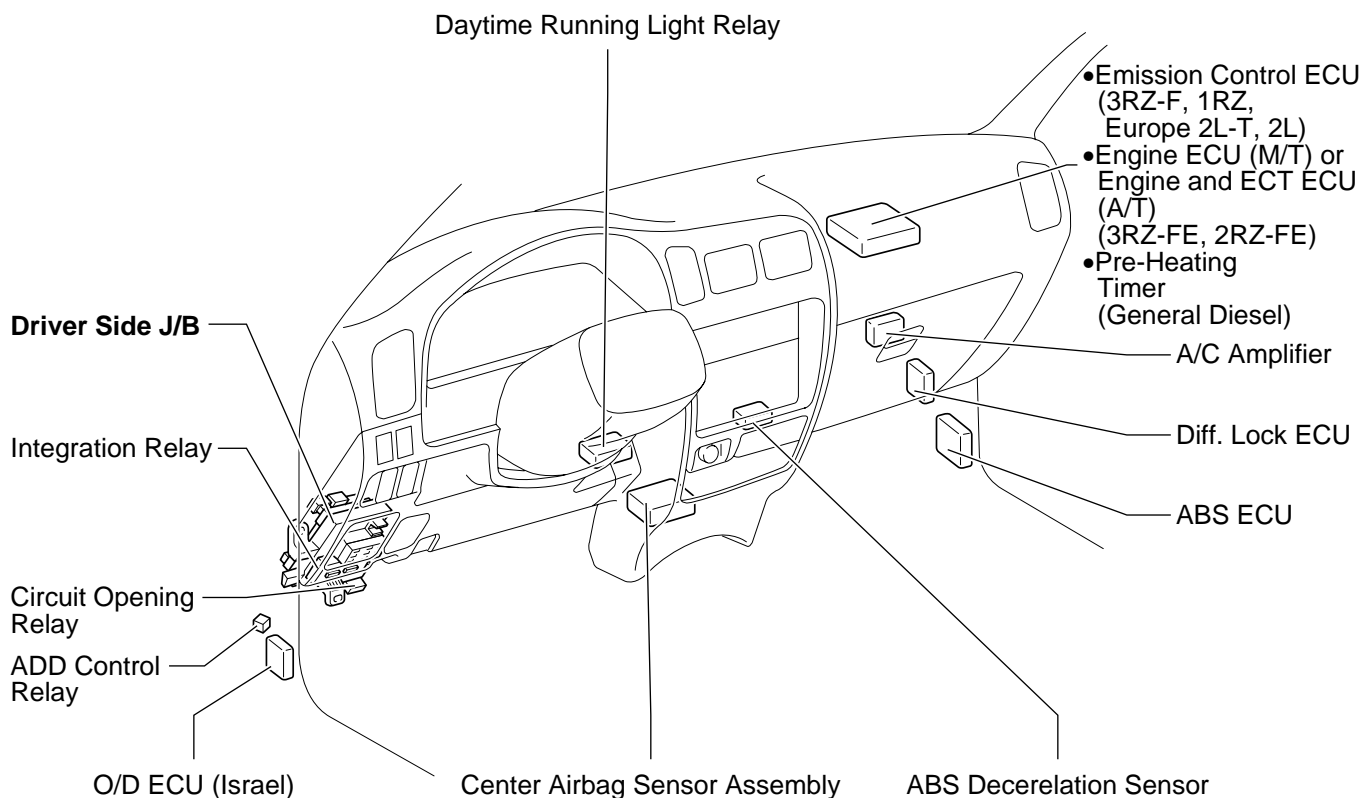
D RELAY LOCATIONS

[Engine Compartment] (LHD)

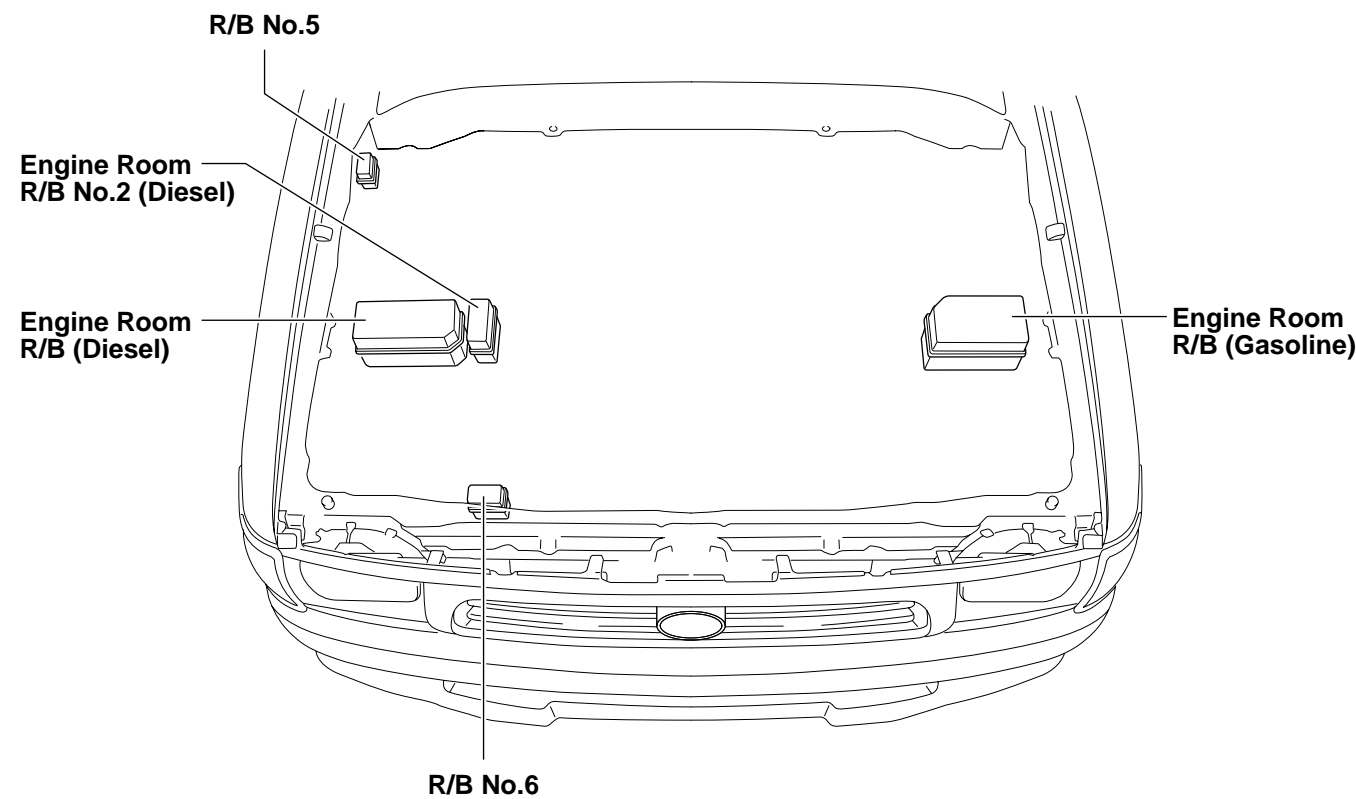


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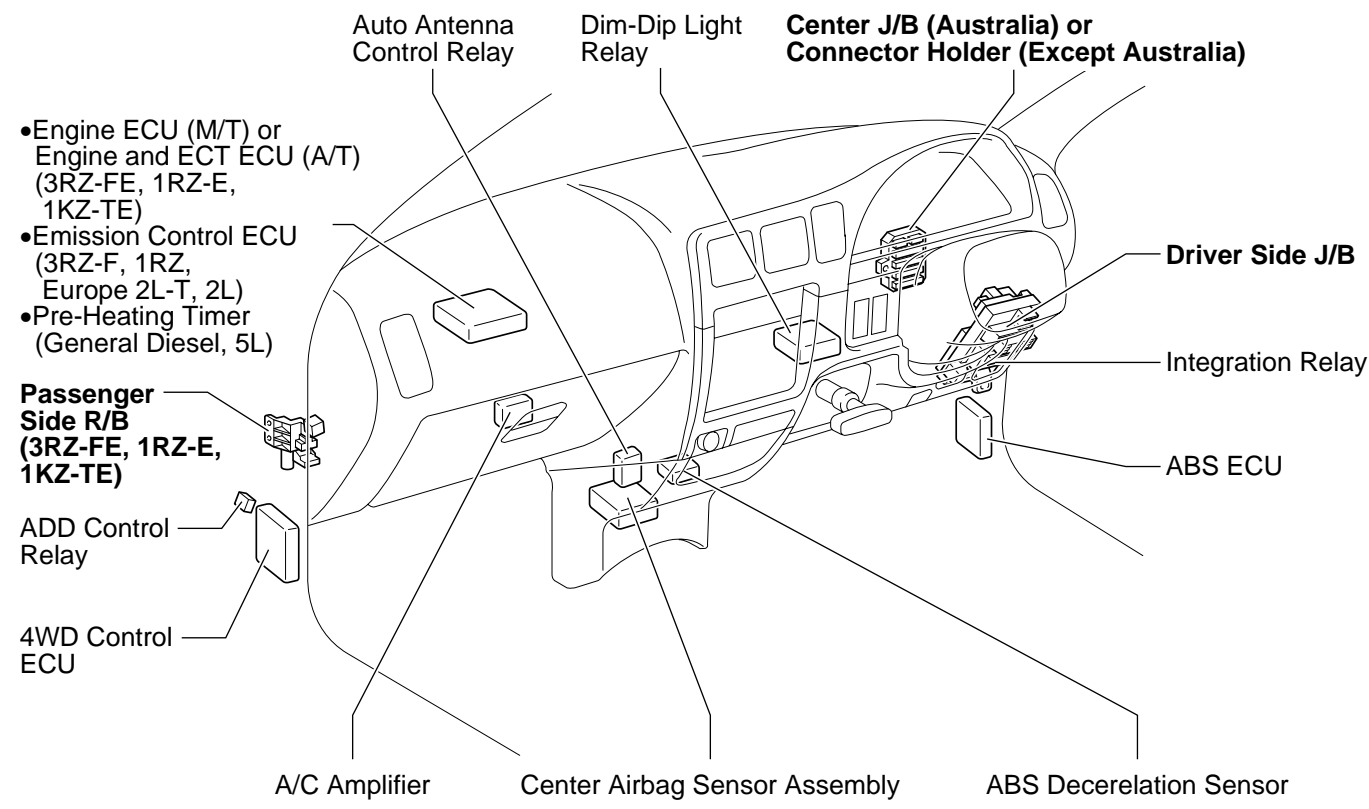
[Instrument Panel] (LHD)



[Engine Compartment]
(RHD)



CLICK HERE TO VIEW CHAPTER INDEX
[Instrument Panel]
(RHD)

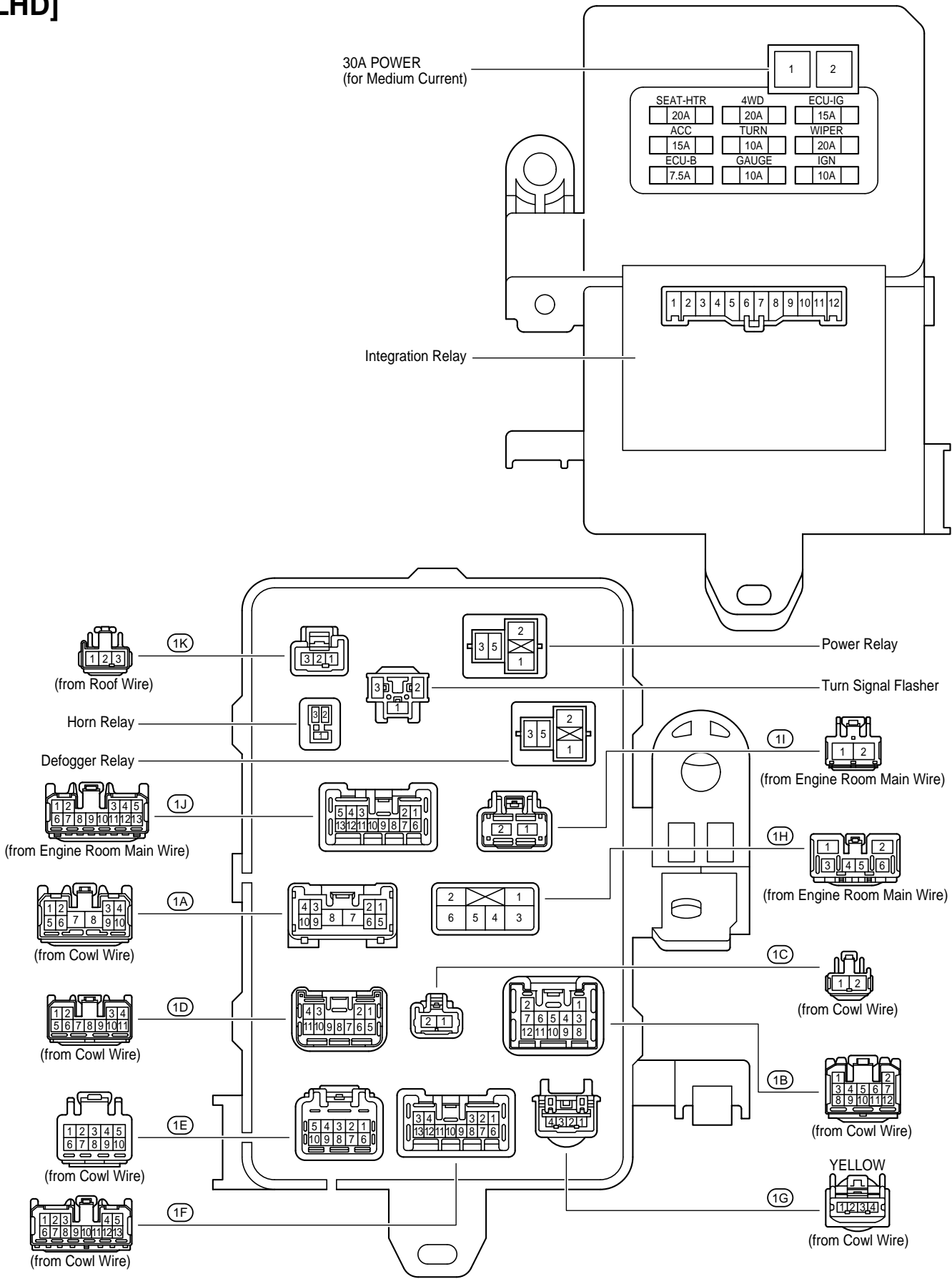


D RELAY LOCATIONS

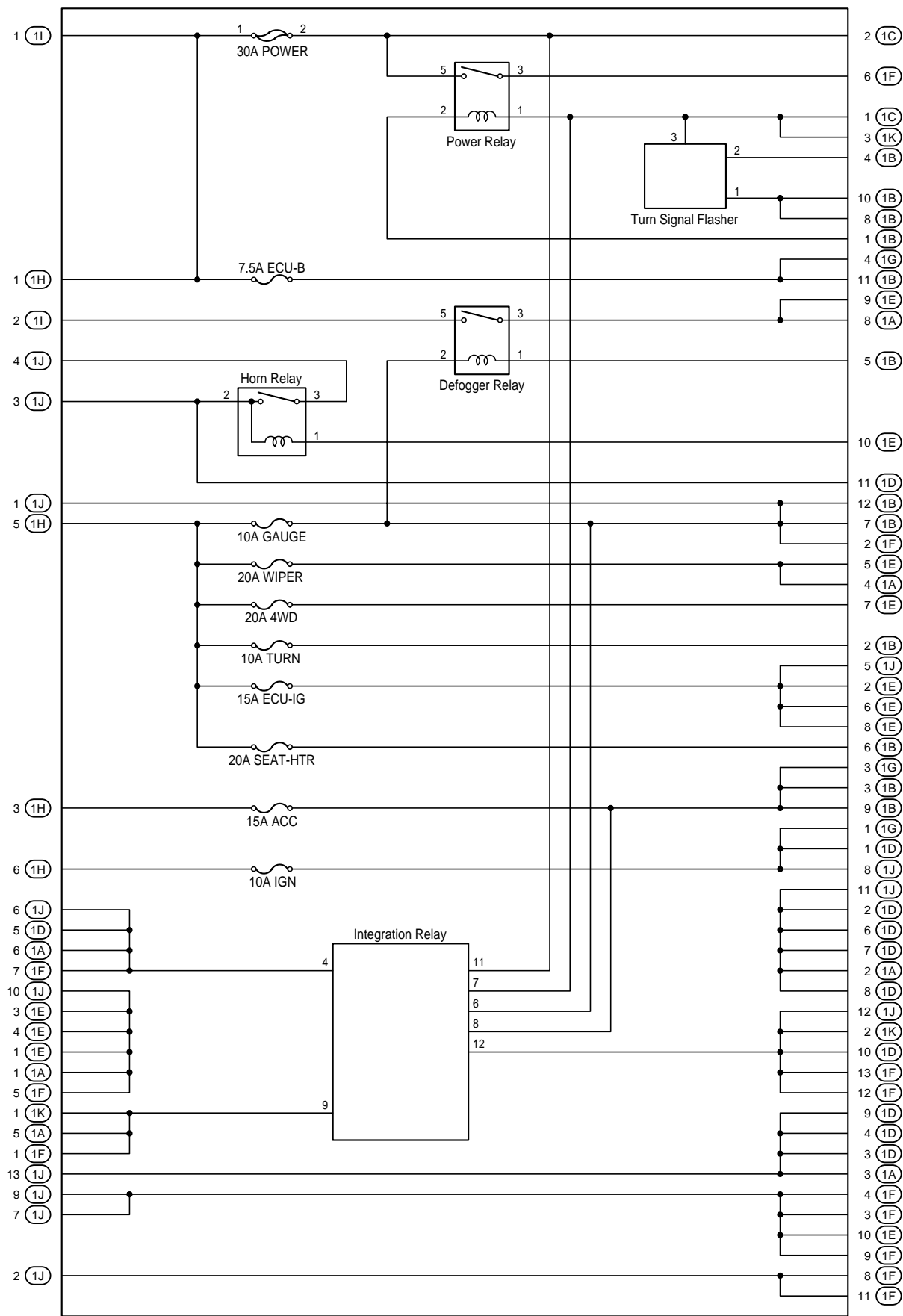
 : Driver Side J/B

Lower Finish Panel (See Page 22)

[LHD]



[Driver Side J/B Inner Circuit] [LHD]

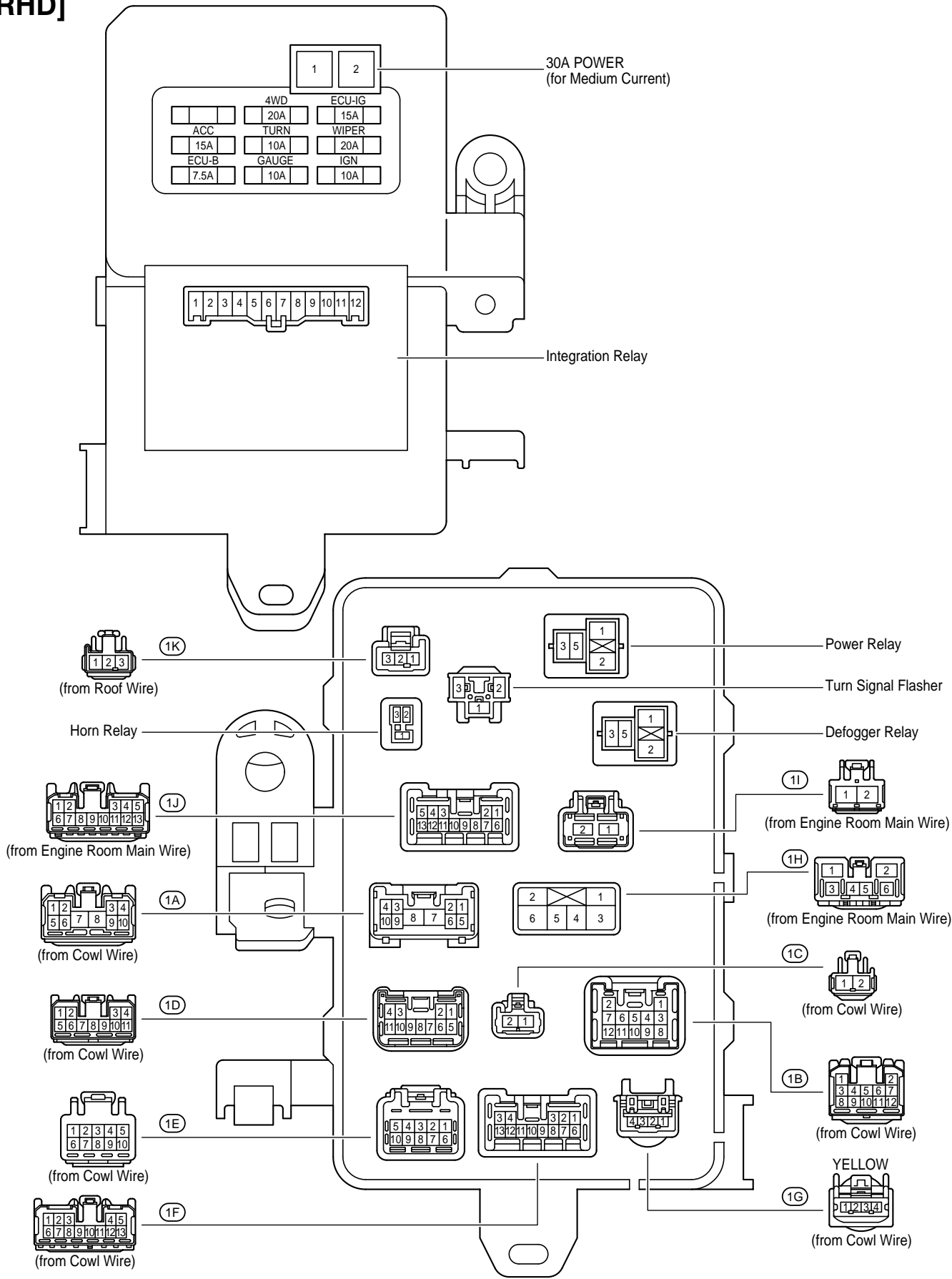


D RELAY LOCATIONS

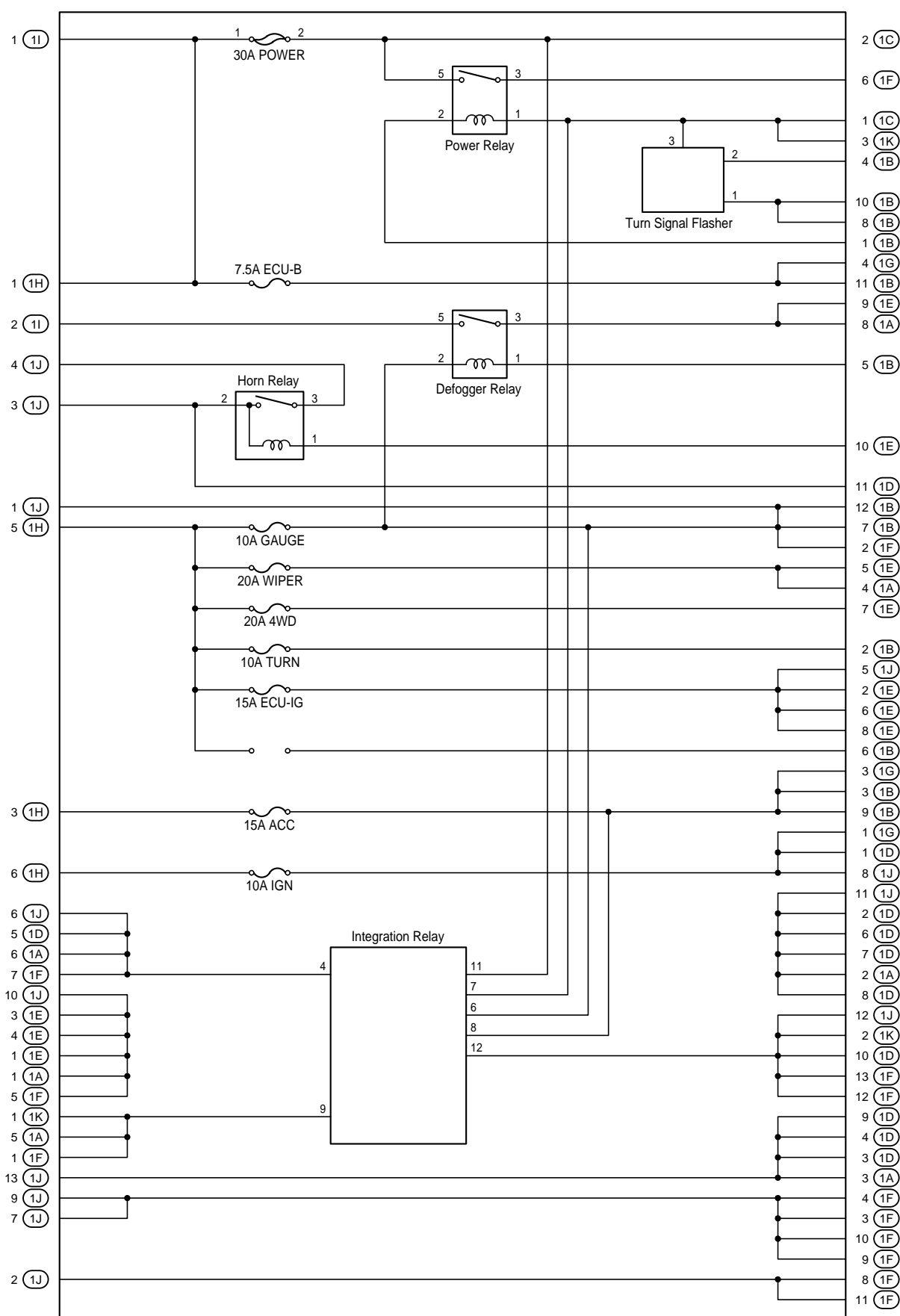
 : Driver Side J/B

Lower Finish Panel (See Page 23)

[RHD]



[Driver Side J/B Inner Circuit] [RHD]

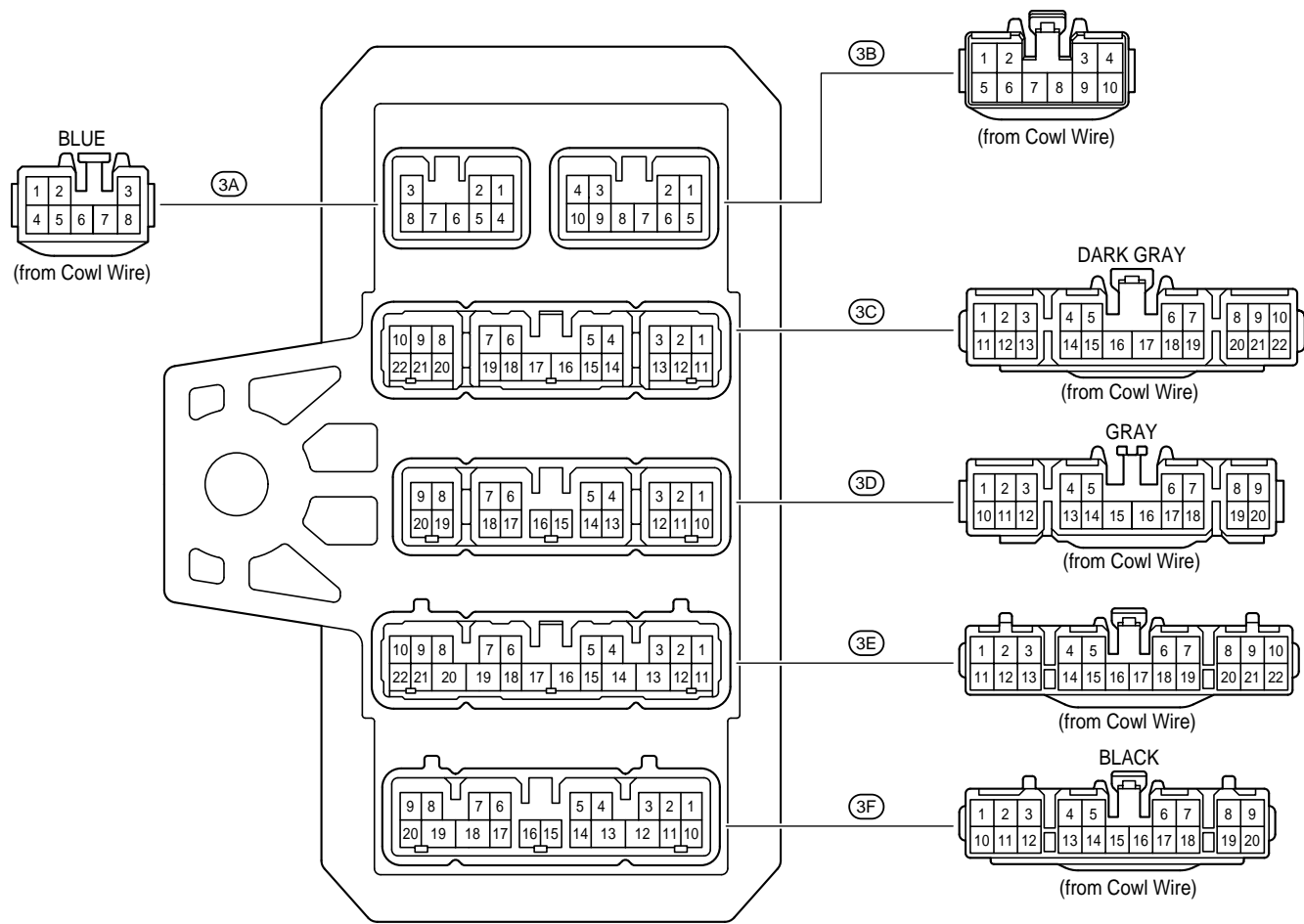


D RELAY LOCATIONS

 : Center J/B

Near the Steering Column Tube (See Page 23)

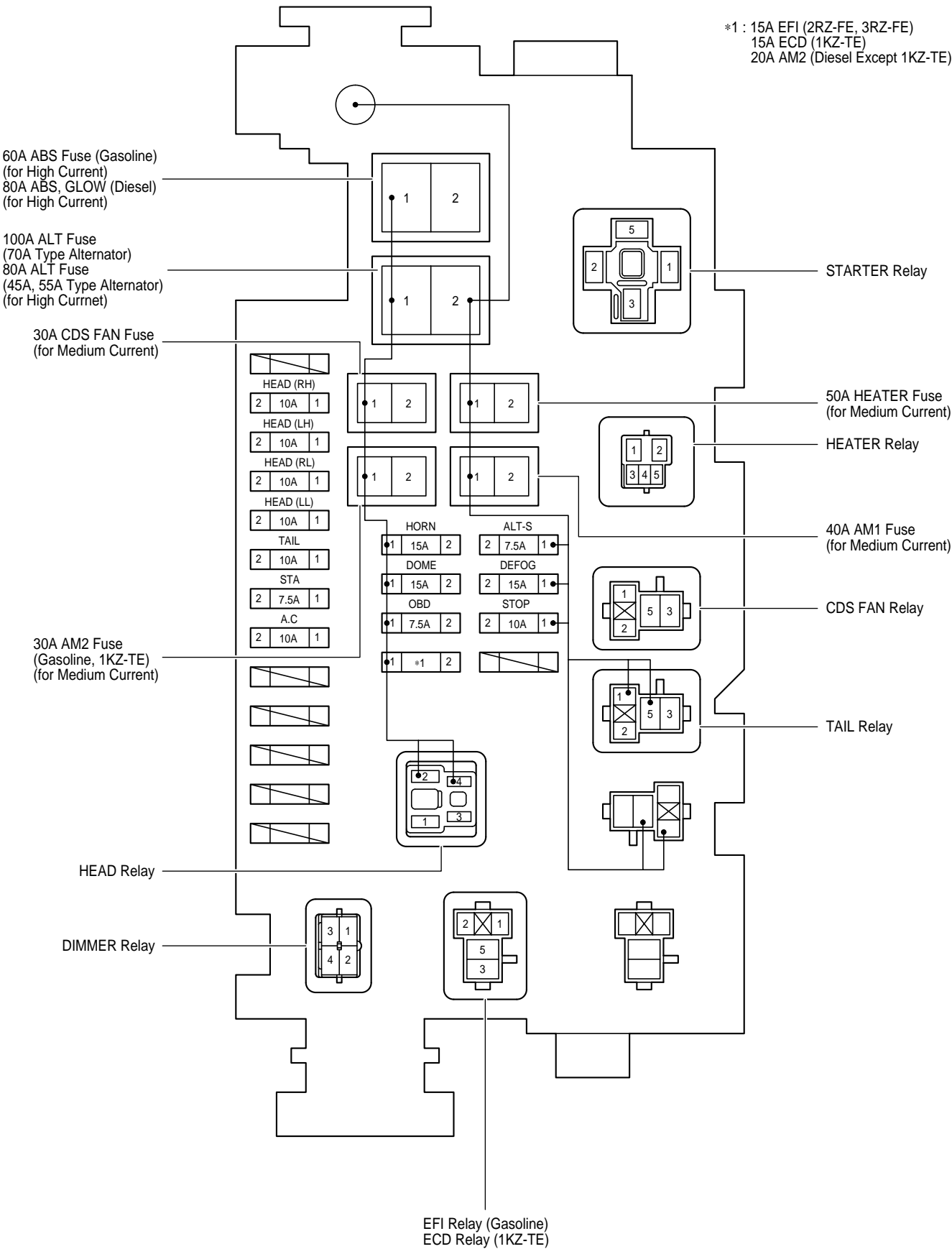
[RHD Australia]



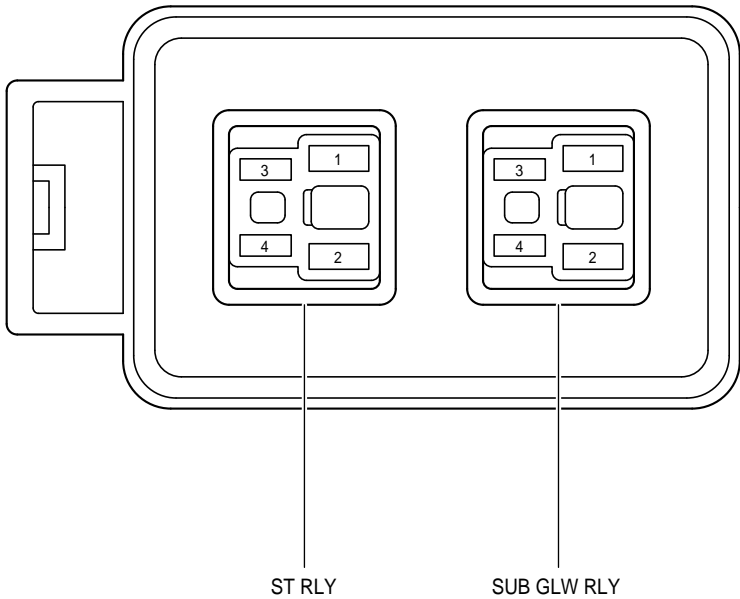
1	(3C)
2	(3C)
3	(3C)
1	(3A)
2	(3A)
3	(3A)
4	(3E)
5	(3E)
6	(3E)
7	(3E)
8	(3E)
9	(3E)
10	(3E)
4	(3A)
5	(3A)
6	(3A)
7	(3A)
8	(3A)
5	(3B)
6	(3B)
7	(3B)
8	(3B)
9	(3B)
10	(3B)
1	(3E)
2	(3E)
3	(3E)
1	(3D)
2	(3D)
3	(3D)
4	(3D)
5	(3D)
6	(3D)
7	(3D)
8	(3D)
9	(3D)
10	(3F)
11	(3F)
12	(3F)
13	(3F)
14	(3F)
15	(3F)
16	(3F)
17	(3F)
18	(3F)
19	(3F)
20	(3F)
10	(3D)
11	(3D)
12	(3D)

D RELAY LOCATIONS

② : Engine Room R/B	RHD Diesel : Engine Compartment Right (See Page 23)
	Except RHD Diesel : Engine Compartment Left (See Page 22, 23)

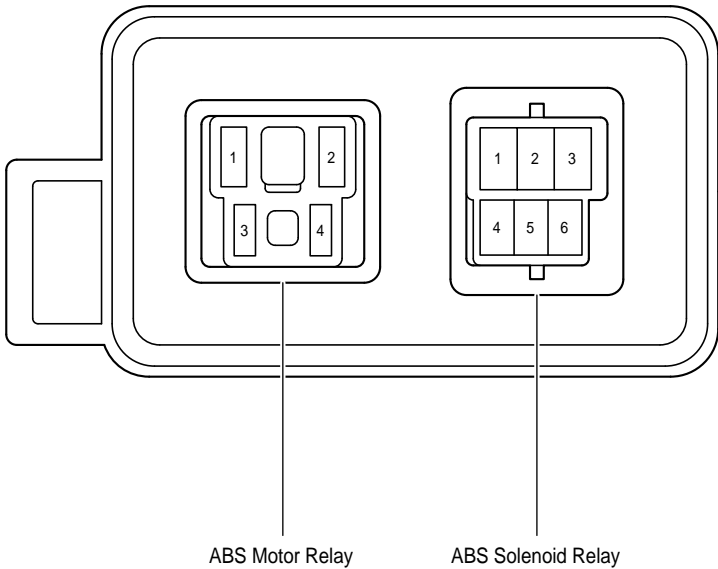


④ : Engine Room R/B No.2	LHD Diesel : Engine Compartment Left (See Page 22)
	RHD Diesel : Engine Compartment Right (See Page 23)



CLICK HERE TO VIEW CHAPTER INDEX

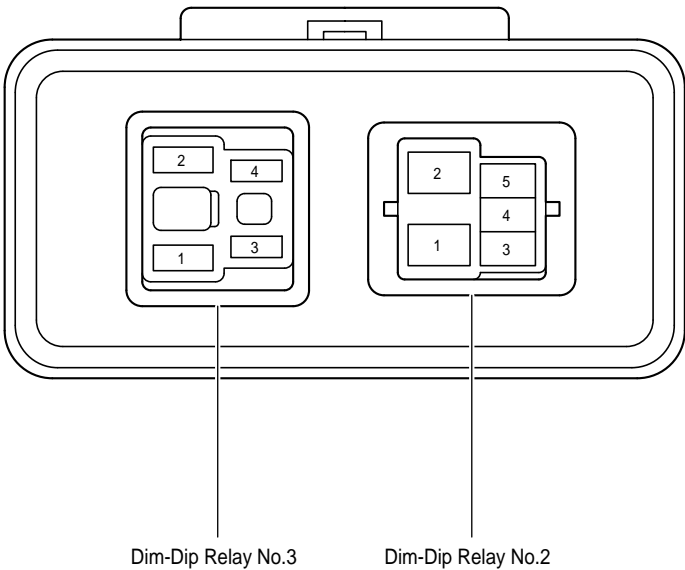
⑤ : R/B No.5	LHD : Front Right Fender Apron (See Page 22)
	RHD : Near the Brake Master Cylinder (See Page 23)



D RELAY LOCATIONS

⑥ : R/B No.6	Radiator Support RH (See Page 23)
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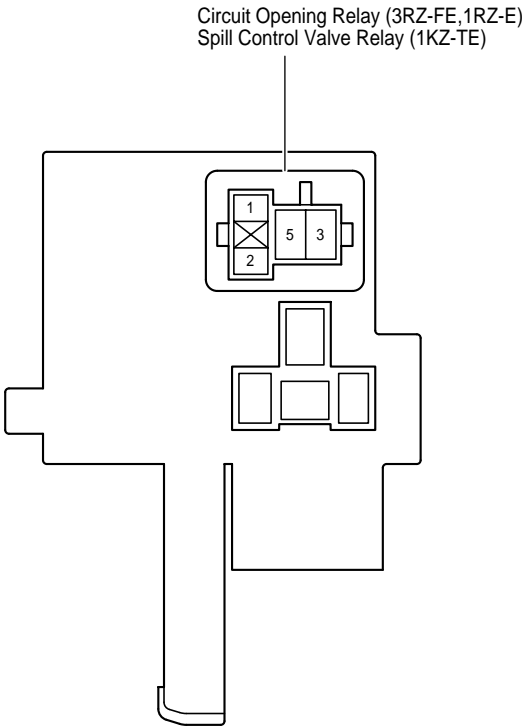
[RHD w/ Dim-Dip Light]



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⑦ : Passenger Side R/B	Cowl Side Panel LH (See Page 23)
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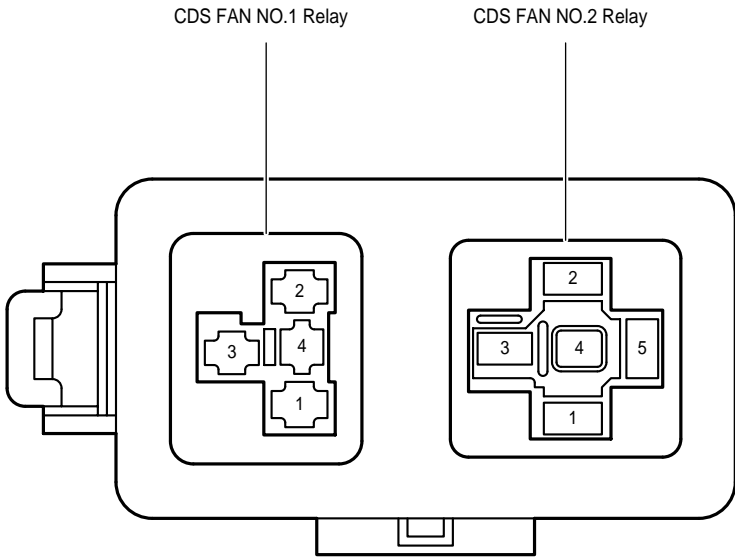
[RHD 3RZ-FE, 1RZ-E, 1KZ-TE]



⑧ : R/B No.8

Radiator Support RH (See Page 22)

[Israel]



E: ELECTRICAL WIRING ROUTING:PAGE 1 OF 4

<u>POSITION OF PARTS IN ENGINE COMPARTMENT:</u>
1. LHD 3RZ-FE, 2RZ-FE A TO H Pg 34
2. LHD 3RZ-FE, 2RZ-FE I TO W Pg 35
3. LHD: 3RZ-F Pg 36
4. LHD: 1RZ Pg 37
5. LHD: 2L-T Pg 38
6. LHD: 3L, 2L Pg 39
<u>POSITION OF PARTS IN INSTRUMENT PANEL:</u>
1. LHD A TO D Pg 40
2. LHD E TO U Pg 41
<u>POSITION OF PARTS IN BODY:</u>
1. LHD REGULAR CAB Pg 42
2. LHD DOUBLE CAB Pg 43
3. LHD EXTRA CAB Pg 44
<u>POSITION OF PARTS IN ENGINE COMPARTMENT:</u>
1. RHD 3RZ-FE A TO H Pg 46
2. RHD 3RZ-FE I TO W Pg 47
3. RHD 3RZ-F Pg 48
4. RHD 1RZ-E Pg 49
5. RHD 1RZ Pg 50
6. RHD 5L Pg 51
7. RHD 2L-T Pg 52
8. RHD 3L, 2L Pg 53
9. RHD 1KZ-TE A TO H Pg 54
10. RHD 1 KZ-TE I TO W Pg 55
<u>POSITION OF PARTS IN INSTRUMENT PANEL:</u>
1. RHD A TO D Pg 56
2. RHD E TO U Pg 57
<u>POSITION OF PARTS IN BODY:</u>
1. RHD REGULAR CAB Pg 58
2. RHD DOUBLE CAB Pg 59
3. RHD EXTRA CAB Pg 60
<u>LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 62</u>
<u>LOCATION OF GROUND POINTS Pg 62</u>
1. LHD 3RZ-FE, 2RZ-FE Pg 62
<u>CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 63</u>


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E: ELECTRICAL WIRING ROUTING:

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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 64
LOCATION OF GROUND POINTS Pg 64:
1.LHD 3RZ-R Pg 64
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 65
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 66
LOCATION OF GROUND POINTS Pg 66:
1.LHD 1RZ Pg 66
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg67
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 68
LOCATION OF GROUND POINTS Pg 68:
1.LHD 2L-T Pg 68
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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 70
LOCATION OF GROUND POINTS Pg 70:
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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 72
LOCATION OF GROUND POINTS Pg 72:
1.LHD IA1 TO IN1 Pg 72
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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 74
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CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg75
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 76
LOCATION OF GROUND POINTS Pg 76
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LOCATION OF GROUND POINTS Pg 78
1.LHD REGULAR CAB Pg 78
2.LHD EXTRA CAB Pg 78
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg79
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 80
LOCATION OF GROUND POINTS Pg 80
1.RHD 3RZ-FE Pg 80
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg81
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 82
LOCATION OF GROUND POINTS Pg 82
1.RHD 3RZ-F Pg 82
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg83
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 84
LOCATION OF GROUND POINTS Pg 84
1.RHD 1RZ-E Pg 84
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg85
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 86
LOCATION OF GROUND POINTS Pg 86
1.RHD 1RZ Pg 86
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg87
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 88
LOCATION OF GROUND POINTS Pg 88
1.RHD 5L Pg 88
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg89
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LOCATION OF GROUND POINTS Pg 90
1.RHD 2L-T Pg 90
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LOCATION OF GROUND POINTS Pg 92
1.RHD 3L, 2L Pg 92
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg93



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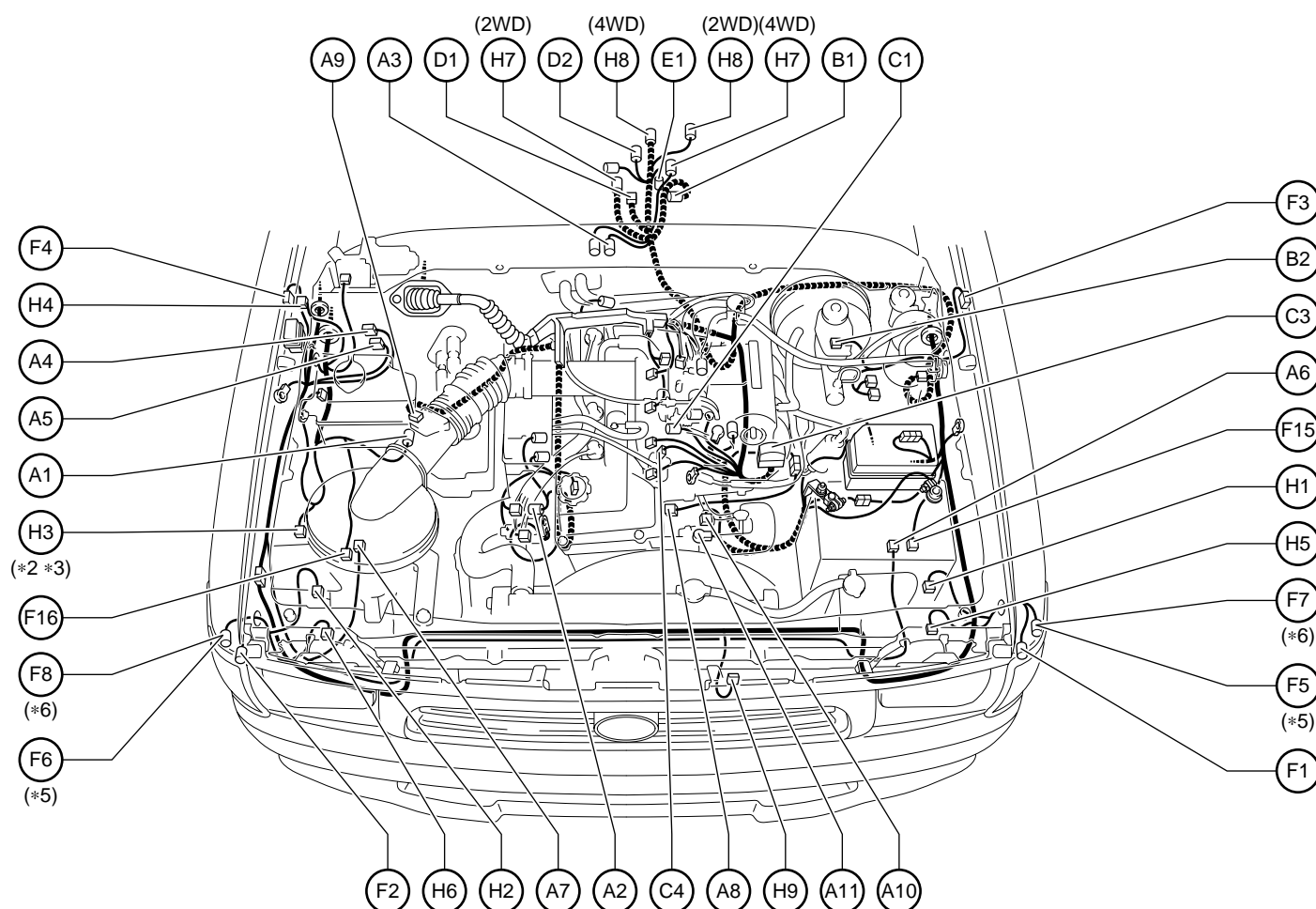
E: ELECTRICAL WIRING ROUTING:
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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 94
LOCATION OF GROUND POINTS Pg 94
1.RHD 1KZ-TE Pg 94
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LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 96
LOCATION OF GROUND POINTS Pg 96
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CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg97
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1.RHD IG1 TO IM2 Pg 98
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg99
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 100
LOCATION OF GROUND POINTS Pg 100
1.RHD DOUBLE CAB Pg 100
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 101
LOCATION OF CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 102
LOCATION OF GROUND POINTS Pg 102
1.RHD REGULAR CAB Pg 102
2.RHD EXTRA CAB Pg 102
CONNECTOR JOINING WIRE HARNESS & WIRE HARNESS Pg 103

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : 3RZ-FE, 2RZ-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 Speed Sensor Front LH

A 7 ABS Speed Sensor Front RH

A 8 ADD Indicator SW

A 9 Air Flow Meter

A10 Alternator

A11 Alternator

B 1 Back-Up Light SW

B 2 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor

C 3 Check Connector

C 4 Crankshaft Position Sensor

D 1 Detection SW (Transfer 4WD Position)

D 2 Detection SW (Transfer L4 Position)

E 1 ECT Solenoid

F 1 Front Clearance Light LH

F 2 Front Clearance Light RH

F 3 Front Side Turn Signal Light LH

F 4 Front Side Turn Signal Light RH

F 5 Front Turn Signal Light and Clearance Light LH

F 6 Front Turn Signal Light and Clearance Light RH

F 7 Front Turn Signal Light LH

F 8 Front Turn Signal Light RH

F15 Front Airbag Sensor LH

F16 Front Airbag Sensor RH

H 1 Headlight Beam Level Control Actuator LH

H 2 Headlight Beam Level Control Actuator RH

H 3 Headlight Cleaner Motor and Washer Motor

H 4 Headlight Cleaner Relay

H 5 Headlight LH

H 6 Headlight RH

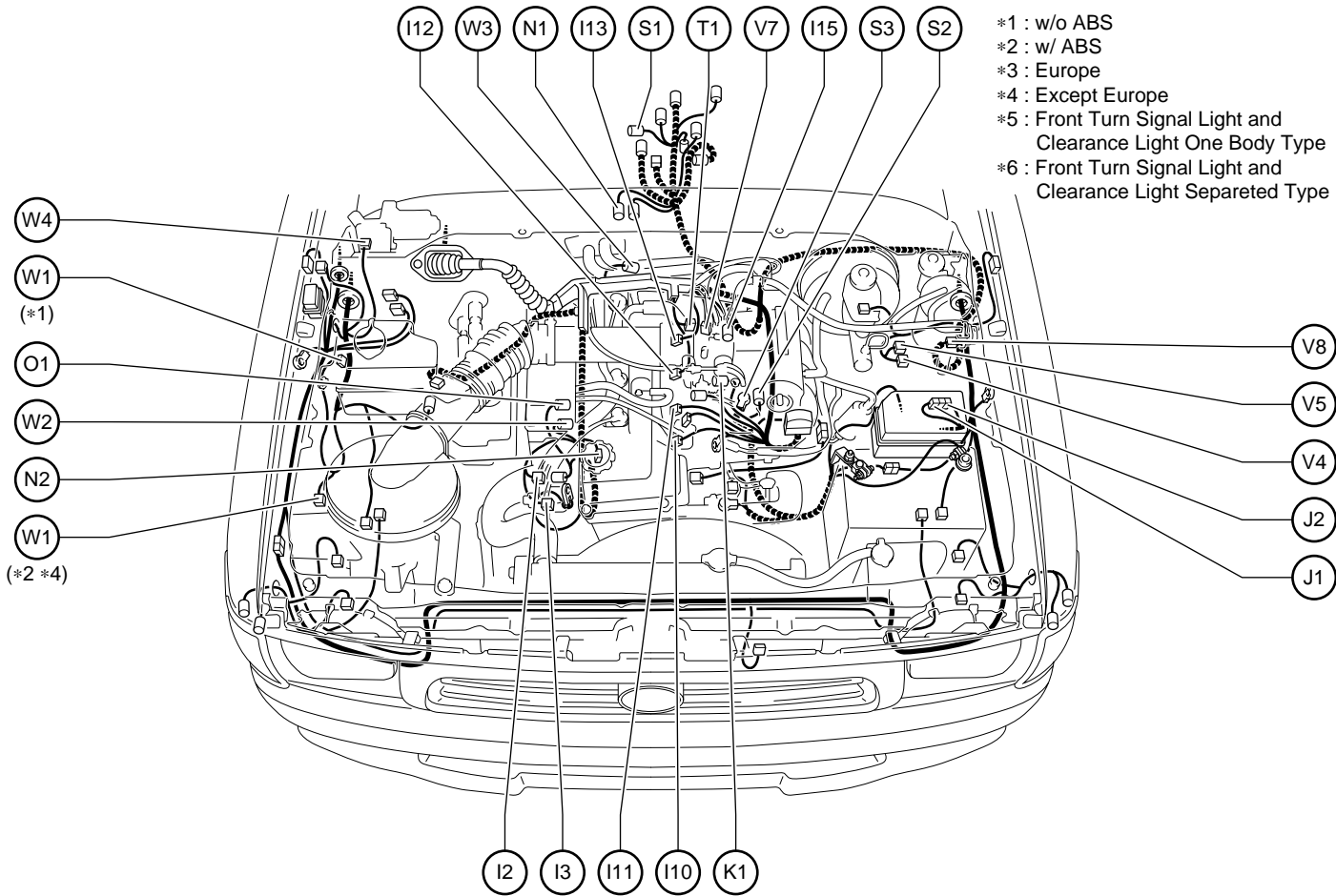
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)

H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)

H 9 Horn

Position of Parts in Engine Compartment

[LHD : 3RZ-FE, 2RZ-FE]



- I 2 Ignition Coil and Igniter No.1

I 3 Ignition Coil and Igniter No.2

I 10 Injector No.1

I 11 Injector No.2

I 12 Injector No.3

I 13 Injector No.4

I 15 ISC Valve

J 1 Junction Connector

J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW

N 2 Noise Filter

O 1 Oil Pressure SW
- S 1 Speed Sensor (ECT)

S 2 Starter

S 3 Starter

T 1 Throttle Position Sensor

V 4 VSV (2WD, ADD)

V 5 VSV (4WD, ADD)

V 7 VSV (EGR)

V 8 VSV (EVAP)

W 1 Washer Motor

W 2 Water Temp. Sender

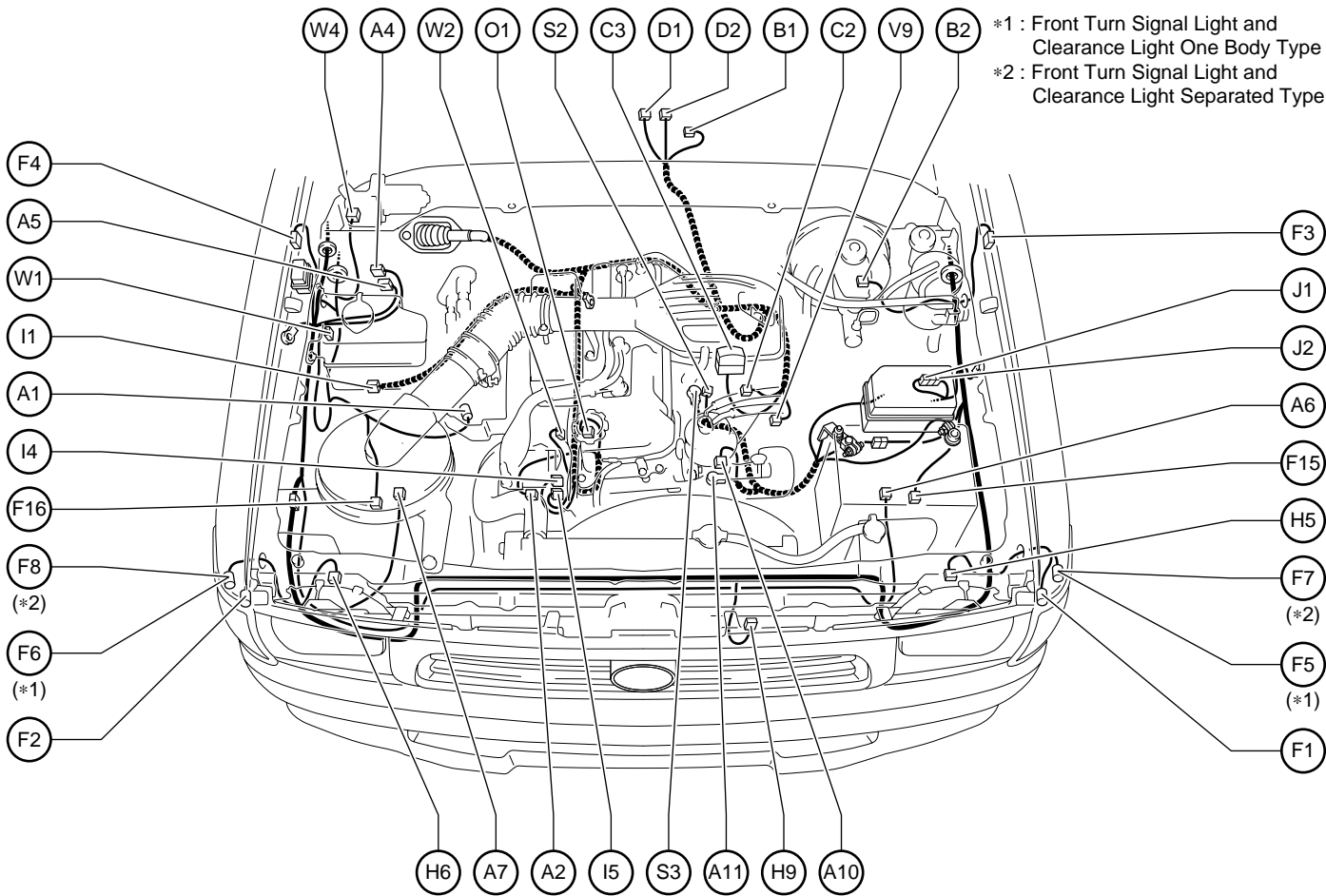
W 3 Water Temp. Sensor

W 4 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : 3RZ-F]



- A 1 A/C Dual Pressure SW

A 2 A/C Magnetic Clutch

A 4 ABS Actuator

A 5 ABS Actuator

A 6 ABS Speed Sensor Front LH

A 7 ABS Speed Sensor Front RH

A10 Alternator

A11 Alternator

B 1 Back-Up Light SW

B 2 Brake Fluid Level Warning SW

C 2 Carburetor

C 3 Check Connector

D 1 Detection SW (Transfer 4WD Position)

D 2 Detection SW (Transfer L4 Position)

F 1 Front Clearance Light LH

F 2 Front Clearance Light RH

F 3 Front Side Turn Signal Light LH

F 4 Front Side Turn Signal Light RH

F 5 Front Turn Signal Light and Clearance Light LH

F 6 Front Turn Signal Light and Clearance Light RH

F 7 Front Turn Signal Light LH
- F 8 Front Turn Signal Light RH

F15 Front Airbag Sensor LH

F16 Front Airbag Sensor RH

H 5 Headlight LH

H 6 Headlight RH

H 9 Horn

I 1 Igniter

I 4 Ignition Coil No.1

I 5 Ignition Coil No.2

J 1 Junction Connector

J 2 Junction Connector

O 1 Oil Pressure SW

S 2 Starter

S 3 Starter

V 9 VSV (Throttle Position Control)

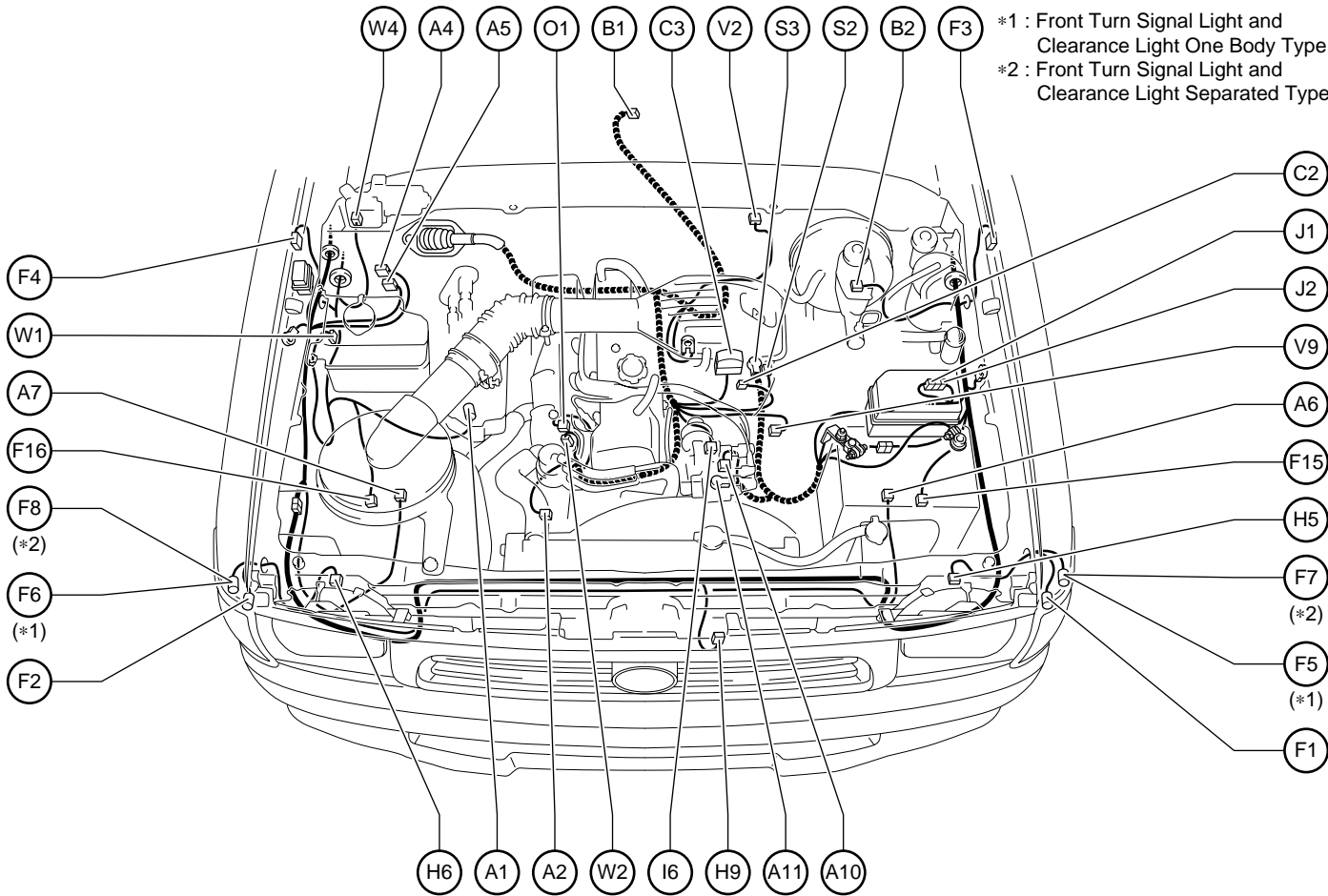
W 1 Washer Motor

W 2 Water Temp. Sender

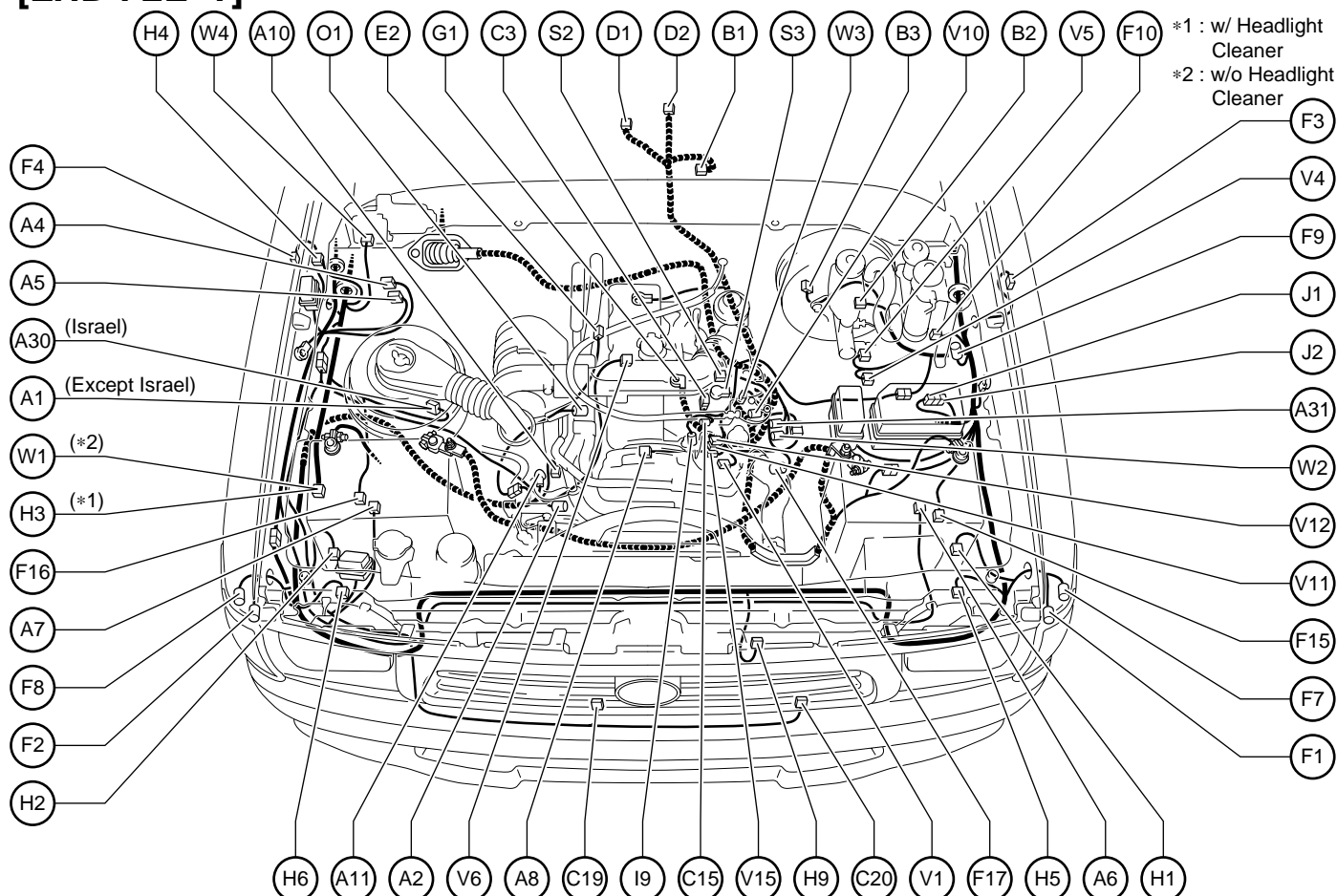
W 4 Wiper Motor

Position of Parts in Engine Compartment

[LHD : 1RZ]



- | | |
|--|-------------------------------------|
| A 1 A/C Dual Pressure SW | H 5 Headlight LH |
| A 2 A/C Magnetic Clutch | H 6 Headlight RH |
| A 4 ABS Actuator | H 9 Horn |
| A 5 ABS Actuator | I 6 IIA |
| A 6 ABS Speed Sensor Front LH | J 1 Junction Connector |
| A 7 ABS Speed Sensor Front RH | J 2 Junction Connector |
| A10 Alternator | O 1 Oil Pressure SW |
| A11 Alternator | S 2 Starter |
| B 1 Back-Up Light SW | S 3 Starter |
| B 2 Brake Fluid Level Warning SW | V 2 Vacuum SW |
| C 2 Carburetor | V 9 VSV (Throttle Position Control) |
| C 3 Check Connector | W 1 Washer Motor |
| F 1 Front Clearance Light LH | W 2 Water Temp. Sender |
| F 2 Front Clearance Light RH | W 4 Wiper Motor |
| F 3 Front Side Turn Signal Light LH | |
| F 4 Front Side Turn Signal Light RH | |
| F 5 Front Turn Signal Light and Clearance Light LH | |
| F 6 Front Turn Signal Light and Clearance Light RH | |
| F 7 Front Turn Signal Light LH | |
| F 8 Front Turn Signal Light RH | |
| F15 Front Airbag Sensor LH | |
| F16 Front Airbag Sensor RH | |

E ELECTRICAL WIRING ROUTING**Position of Parts in Engine Compartment****[LHD : 2L-T]**

A 1 A/C Dual Pressure SW
A 2 A/C Magnetic Clutch
A 4 ABS Actuator
A 5 ABS Actuator
A 6 ABS Speed Sensor Front LH
A 7 ABS Speed Sensor Front RH
A 8 ADD Indicator SW
A 10 Alternator
A 11 Alternator
A 30 A/C Triple Pressure SW
A 31 Accelerator Pedal Position Sensor

B 1 Back-Up Light SW
B 2 Brake Fluid Level Warning SW
B 3 Brake Vacuum Warning SW

C 3 Check Connector
C 15 Crankshaft Position Sensor
C 19 Condenser Fan Motor 1
C 20 Condenser Fan Motor 2

D 1 Detection SW (Transfer 4WD Position)
D 2 Detection SW (Transfer L4 Position)

E 2 Engine Oil Level Warning SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Side Turn Signal Light LH
F 4 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
F 8 Front Turn Signal Light RH
F 9 Fuel Heater
F 10 Fuel Sedimentary SW
F 15 Front Airbag Sensor LH
F 16 Front Airbag Sensor RH
F 17 Fuel Control Valve

G 1 Glow Plug

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Motor and Washer Motor
H 4 Headlight Cleaner Relay
H 5 Headlight LH
H 6 Headlight RH
H 9 Horn

I 9 Injection Pump

J 1 Junction Connector
J 2 Junction Connector

K 2 Kick Down SW

N 1 Neutral Start SW

O 1 Oil Pressure SW
O 3 O/D Solenoid

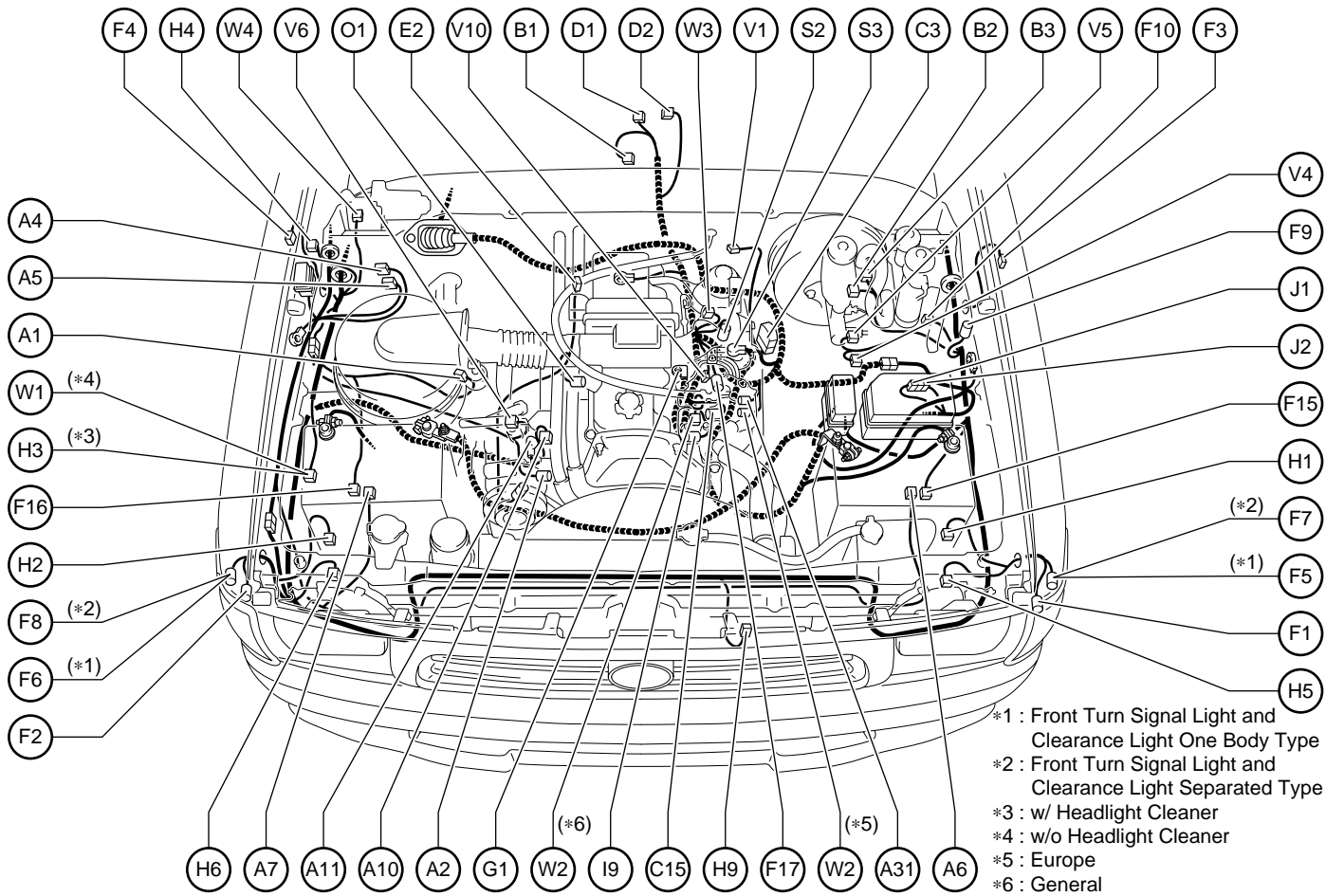
S 2 Starter
S 3 Starter

V 1 Vacuum Sensor
V 4 VSV (2WD, ADD)
V 5 VSV (4WD, ADD)
V 6 VSV (A/C Idle-Up)
V 10 VRV (EGR)
V 11 VSV (BACS)
V 12 VSV (EGR)
V 15 VSV (Turbo Pressure Sensor)

W 1 Washer Motor
W 2 Water Temp. Sender
W 3 Water Temp. Sensor
W 4 Wiper Motor

Position of Parts in Engine Compartment

[LHD : 3L, 2L]



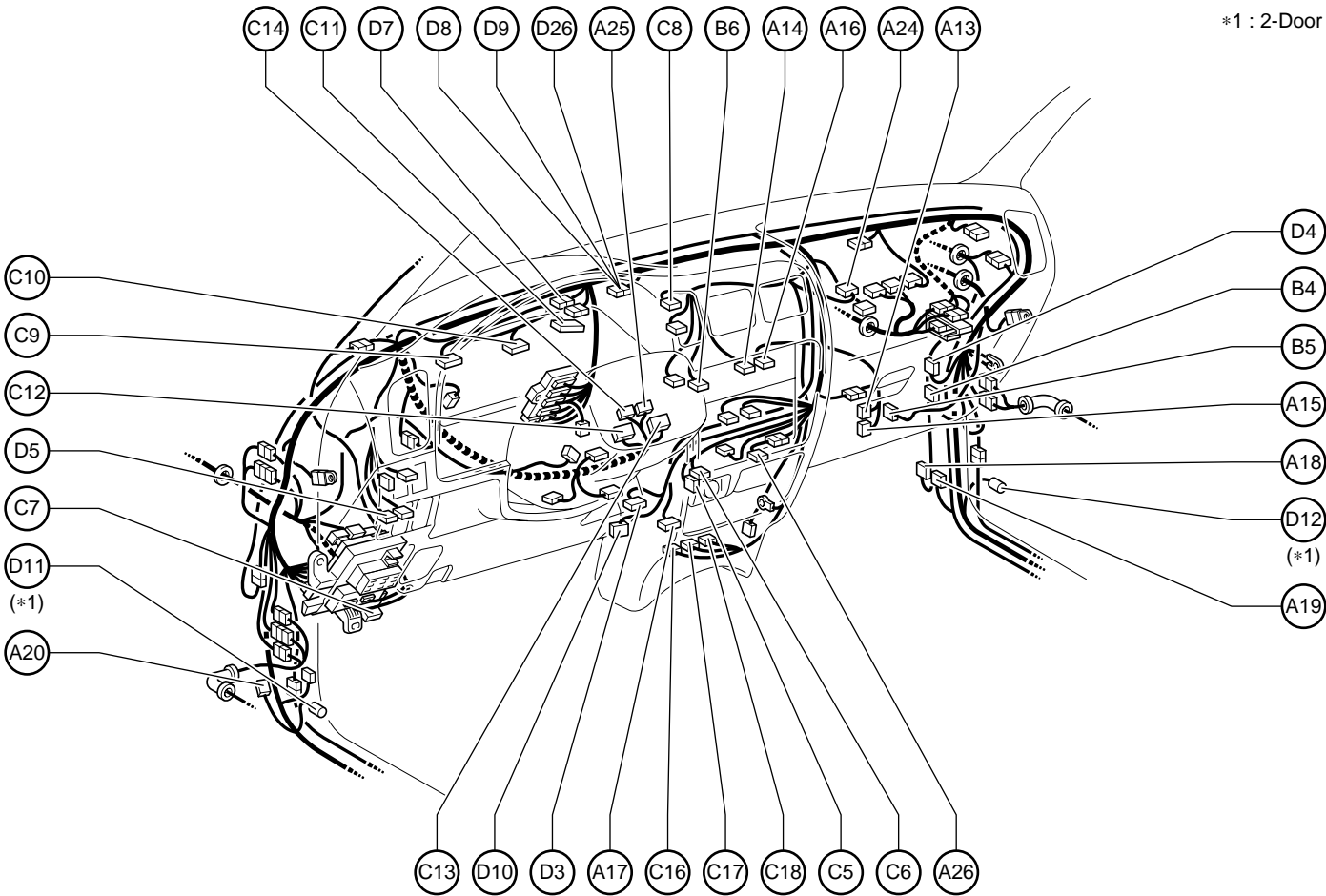
- A 1 A/C Dual Pressure SW
- A 2 A/C Magnetic Clutch
- A 4 ABS Actuator
- A 5 ABS Actuator
- A 6 ABS Speed Sensor Front LH
- A 7 ABS Speed Sensor Front RH
- A 10 Alternator
- A 11 Alternator
- A 31 Accelerator Pedal Position Sensor
- B 1 Back-Up Light SW
- B 2 Brake Fluid Level Warning SW
- B 3 Brake Vacuum Warning SW
- C 3 Check Connector
- C 15 Crankshaft Position Sensor
- D 1 Detection SW (Transfer 4WD Position)
- D 2 Detection SW (Transfer L4 Position)
- E 2 Engine Oil Level Warning SW
- F 1 Front Clearance Light LH
- F 2 Front Clearance Light RH
- F 3 Front Side Turn Signal Light LH
- F 4 Front Side Turn Signal Light RH
- F 5 Front Turn Signal Light and Clearance Light LH
- F 6 Front Turn Signal Light and Clearance Light RH
- F 7 Front Turn Signal Light LH
- F 8 Front Turn Signal Light RH
- F 9 Fuel Heater
- F 10 Fuel Sedimentary SW
- F 15 Front Airbag Sensor LH
- F 16 Front Airbag Sensor RH
- F 17 Fuel Control Valve

- G 1 Glow Plug
- H 1 Headlight Beam Level Control Actuator LH
- H 2 Headlight Beam Level Control Actuator RH
- H 3 Headlight Cleaner Motor and Washer Motor
- H 4 Headlight Cleaner Relay
- H 5 Headlight LH
- H 6 Headlight RH
- H 9 Horn
- I 9 Injection Pump
- J 1 Junction Connector
- J 2 Junction Connector
- O 1 Oil Pressure SW
- S 2 Starter
- S 3 Starter
- V 1 Vacuum Sensor
- V 4 VSV (2WD, ADD)
- V 5 VSV (4WD, ADD)
- V 6 VSV (A/C Idle-Up)
- V 10 VRV (EGR)
- W 1 Washer Motor
- W 2 Water Temp. Sender
- W 3 Water Temp. Sensor
- W 4 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Instrument Panel

[LHD]



- A 13 A/C Amplifier

A 14 A/C SW

A 15 A/C Thermistor

A 16 A/C Volume SW

A 17 ABS Deceleration Sensor

A 18 ABS ECU

A 19 ABS ECU

A 20 ADD Control Relay

A 24 Airbag Squib (Front Passenger's Airbag Assembly)

A 25 Airbag Squib (Steering Wheel Pad)

A 26 Ashtray Illumination
- B 4 Blower Motor

B 5 Blower Resistor

B 6 Blower SW
- C 5 Cigarette Lighter

C 6 Cigarette Lighter Illumination

C 7 Circuit Opening Relay

C 8 Clock

C 9 Combination Meter

C 10 Combination Meter

C 11 Combination Meter

C 12 Combination SW

C 13 Combination SW

C 14 Combination SW

C 16 Center Airbag Sensor Assembly

C 17 Center Airbag Sensor Assembly

C 18 Center Airbag Sensor Assembly
- D 3 Daytime Running Light Relay

D 4 Diff. Lock ECU

D 5 Diff. Lock SW

D 7 Diode (Door Courtesy)

D 8 Diode (Glow Plug)

D 9 Diode (Idle-Up)

D 10 DLC3

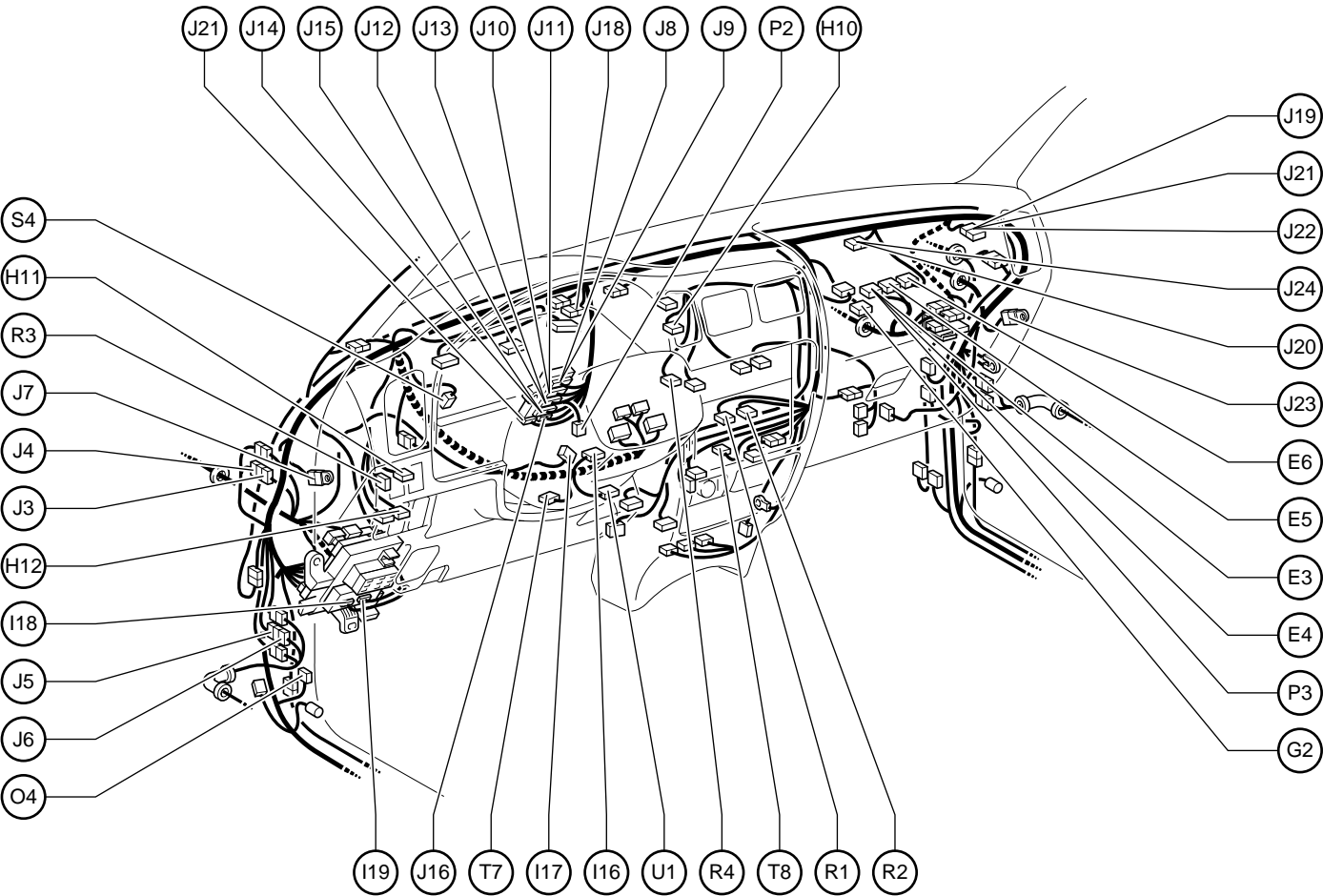
D 11 Door Courtesy SW Front LH

D 12 Door Courtesy SW Front RH

D 26 Diode (O/D)

Position of Parts in Instrument Panel

[LHD]



- E 3 Emission Control ECU
E 4 Engine ECU (M/T) or Engine and ECT ECU (A/T)
E 5 Engine ECU (M/T) or Engine and ECT ECU (A/T)
E 6 Engine ECU (M/T) or Engine and ECT ECU (A/T)

G 2 Glove Box Light

H10 Hazard SW
H11 Headlight Beam Level Control SW
H12 Headlight Cleaner SW

I 16 Ignition Key Cylinder Light
I 17 Ignition SW
I 18 Integration Relay
I 19 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 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector

J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 18 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector

O 4 O/D ECU

P 2 Parking Brake SW
P 2 Pre-Heating Timer

R 1 Radio and Player
R 2 Radio and Player
R 3 Rear Fog Light SW
R 4 Rear Window Defogger SW

S 4 Stop Light SW

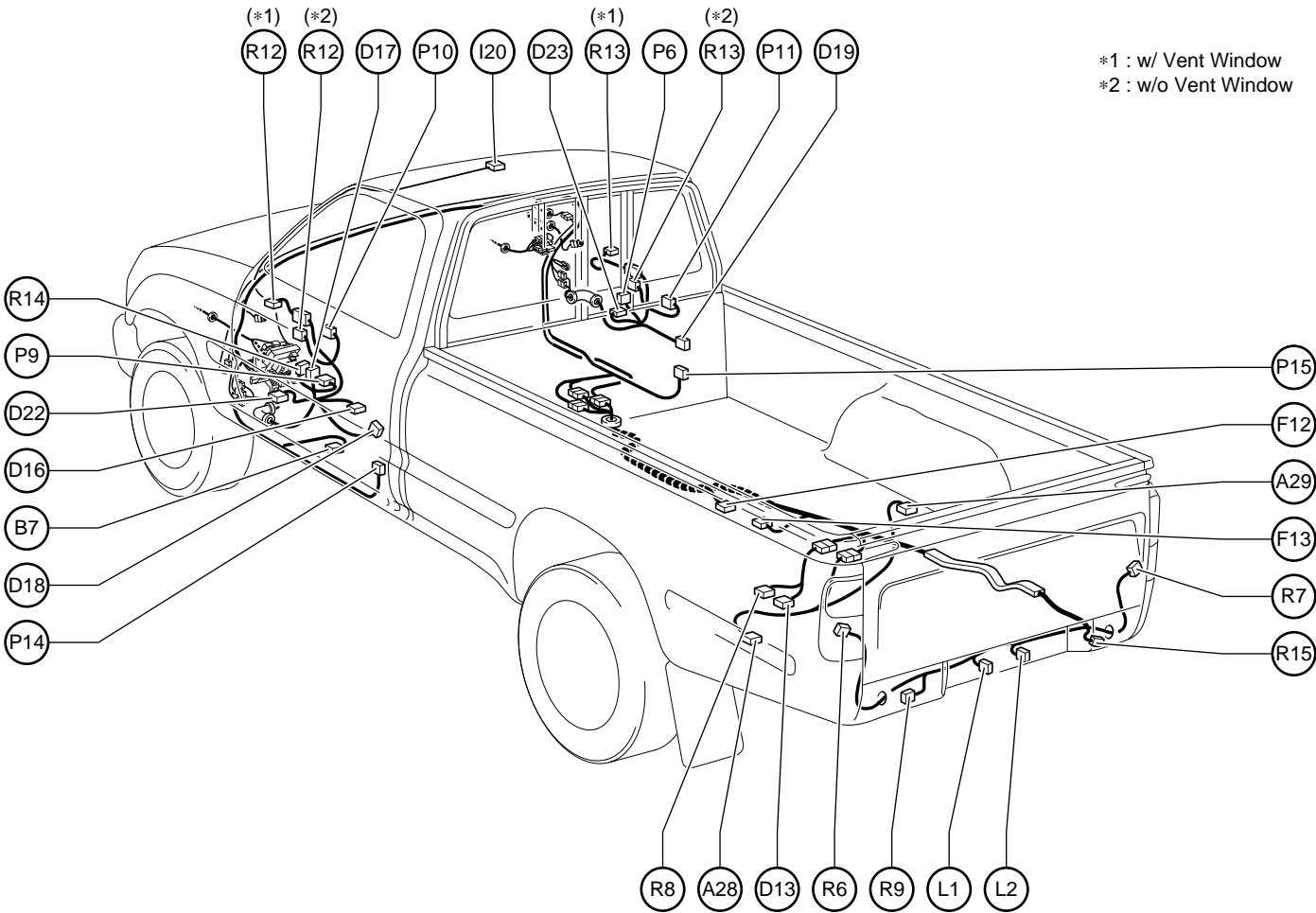
T 7 Transponder Key Amplifier
T 8 Transponder Key Computer

U 1 Unlock Warning SW

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[LHD : Regular Cab]



A28 ABS Speed Sensor Rear LH
A29 ABS Speed Sensor Rear RH

B 7 Buckle SW

D13 Detection SW (Rear Diff. Lock)
D16 Door Key Lock and Unlock SW
D17 Door Lock Control SW
D18 Door Lock Motor Front LH
D19 Door Lock Motor Front RH
D22 Door Speaker Front LH
D23 Door Speaker Front RH

F 12 Fuel Pump
F 13 Fuel Sender

I 20 Interior Light

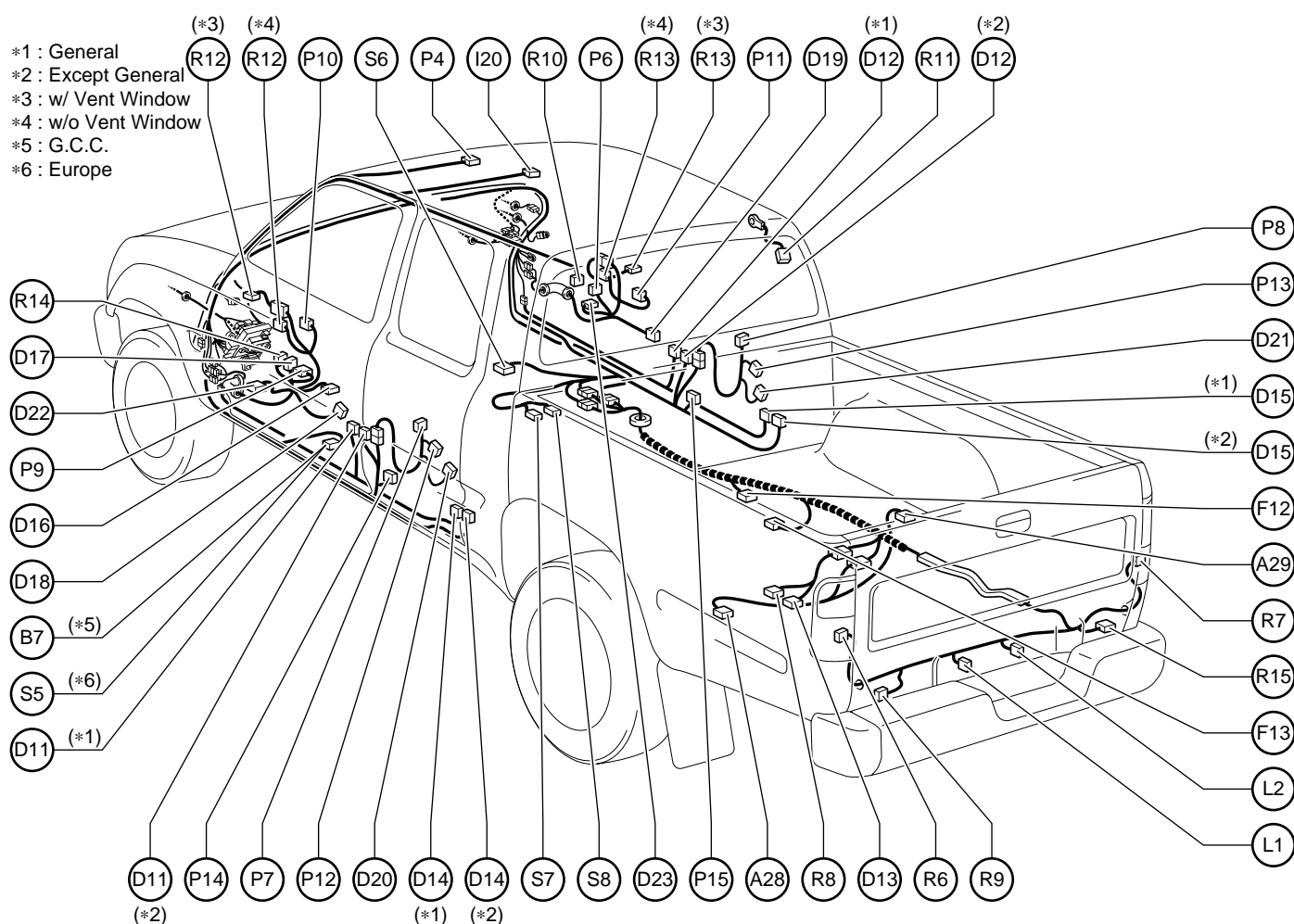
L 1 License Plate Light LH
L 2 License Plate Light RH

P 6 Power Window Control SW Front RH
P 9 Power Window Master SW
P10 Power Window Motor Front LH
P11 Power Window Motor Front RH
P14 Pretensioner LH
P15 Pretensioner RH

R 6 Rear Combination Light LH
R 7 Rear Combination Light RH
R 8 Rear Diff. Lock Motor
R 9 Rear Fog Light
R12 Remote Control Mirror LH
R13 Remote Control Mirror RH
R14 Remote Control Mirror SW
R15 Reverse Warning Buzzer

Position of Parts in Body

[LHD : Double Cab]



A28 ABS Speed Sensor Rear LH
A29 ABS Speed Sensor Rear RH

B 7 Buckle SW

D11 Door Courtesy SW Front LH
D12 Door Courtesy SW Front RH
D13 Detection SW (Rear Diff. Lock)
D14 Door Courtesy SW Rear LH
D15 Door Courtesy SW Rear RH
D16 Door Key Lock and Unlock SW
D17 Door Lock Control SW
D18 Door Lock Motor Front LH
D19 Door Lock Motor Front RH
D20 Door Lock Motor Rear LH
D21 Door Lock Motor Rear RH
D22 Door Speaker Front LH
D23 Door Speaker Front RH

F12 Fuel Pump
F13 Fuel Sender

I 20 Interior Light

L 1 License Plate Light LH
L 2 License Plate Light RH

P 4 Personal Light
P 6 Power Window Control SW Front RH
P 7 Power Window Control SW Rear LH
P 8 Power Window Control SW Rear RH
P 9 Power Window Master SW
P10 Power Window Motor Front LH
P11 Power Window Motor Front RH
P12 Power Window Motor Rear LH
P13 Power Window Motor Rear RH
P14 Pretensioner LH
P15 Pretensioner RH

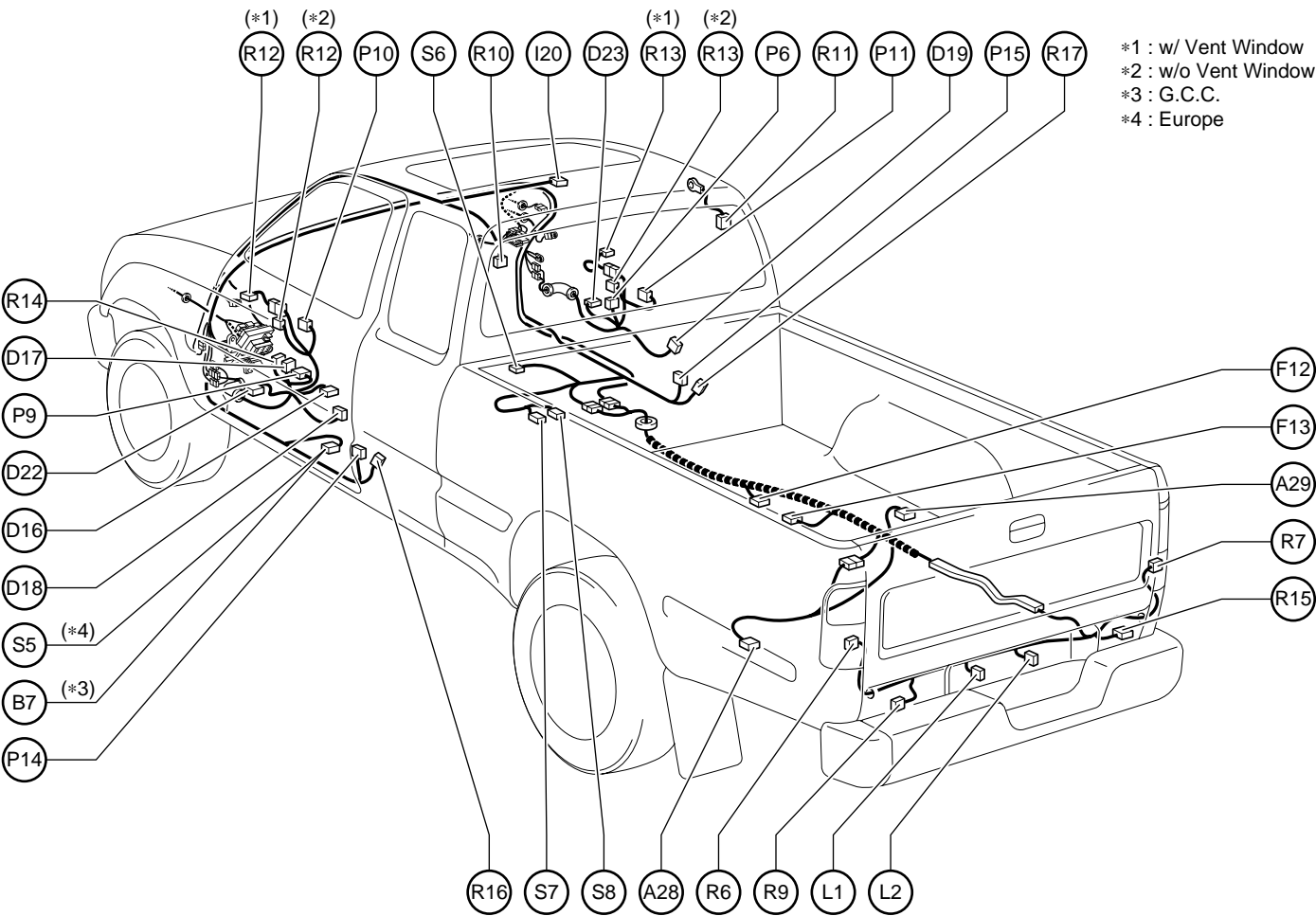
R 6 Rear Combination Light LH
R 7 Rear Combination Light RH
R 8 Rear Diff. Lock Motor
R 9 Rear Fog Light
R10 Rear Window Defogger
R11 Rear Window Defogger
R12 Remote Control Mirror LH
R13 Remote Control Mirror RH
R14 Remote Control Mirror SW
R15 Reverse Warning Buzzer

S 5 Seat Heater (Driver's Seat)
S 6 Seat Heater (Front Passenger's Seat)
S 7 Seat Heater SW (Driver's Seat)
S 8 Seat Heater SW (Front Passenger's Seat)

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[LHD : Extra Cab]



*1 : w/ Vent Window
*2 : w/o Vent Window
*3 : G.C.C.
*4 : Europe

A28 ABS Speed Sensor Rear LH
A29 ABS Speed Sensor Rear RH

B 7 Buckle SW

D16 Door Key Lock and Unlock SW
D17 Door Lock Control SW
D18 Door Lock Motor Front LH
D19 Door Lock Motor Front RH
D22 Door Speaker Front LH
D23 Door Speaker Front RH

F 12 Fuel Pump
F 13 Fuel Sender

I 20 Interior Light

L 1 License Plate Light LH
L 2 License Plate Light RH

P 6 Power Window Control SW Front RH
P 9 Power Window Master SW
P10 Power Window Motor Front LH
P11 Power Window Motor Front RH
P14 Pretensioner LH
P15 Pretensioner RH

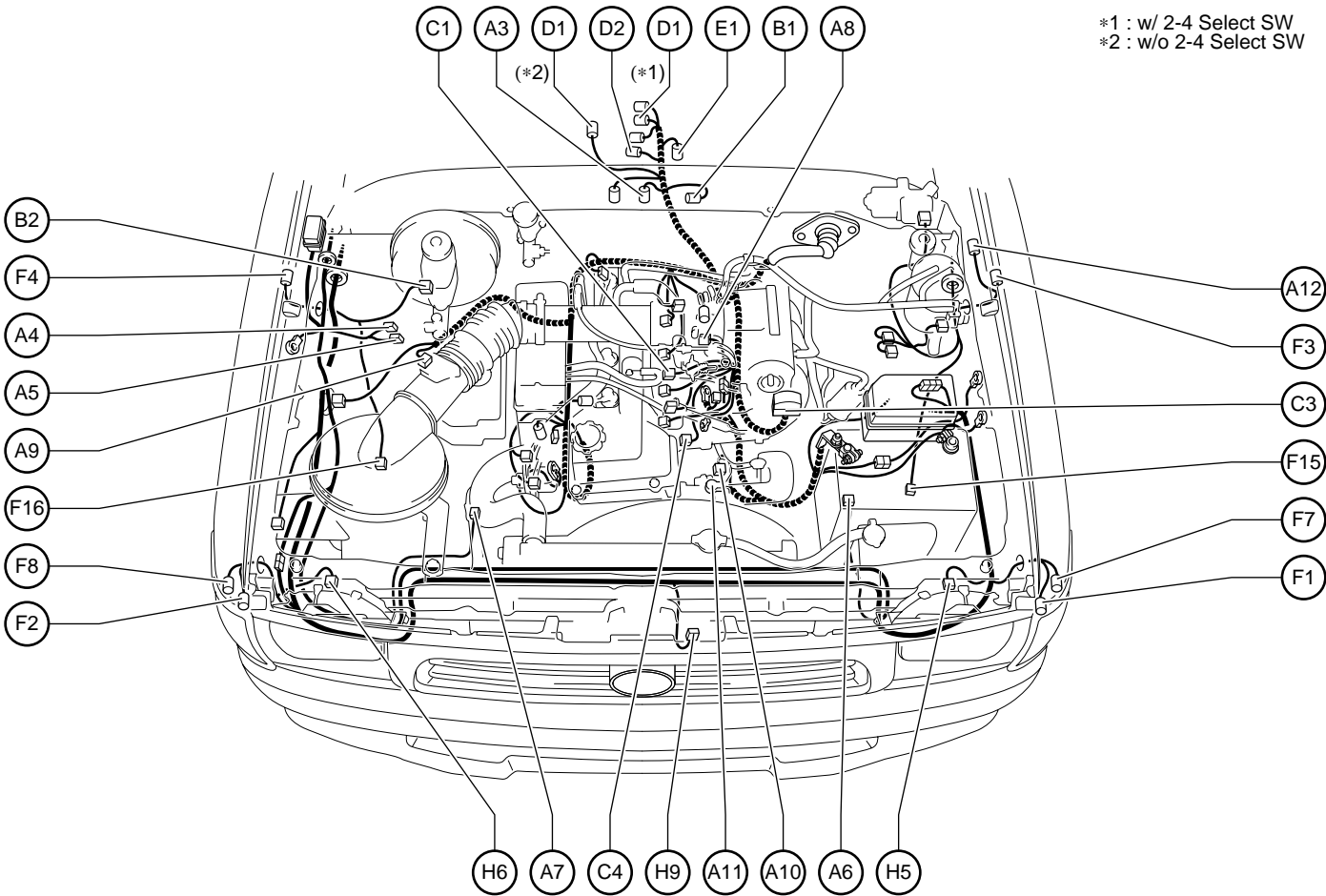
R 6 Rear Combination Light LH
R 7 Rear Combination Light RH
R 9 Rear Fog Light
R10 Rear Window Defogger
R11 Rear Window Defogger
R12 Remote Control Mirror LH
R13 Remote Control Mirror RH
R14 Remote Control Mirror SW
R15 Reverse Warning Buzzer
R16 Rear Speaker LH
R17 Rear Speaker RH

S 5 Seat Heater (Driver's Seat)
S 6 Seat Heater (Front Passenger's Seat)
S 7 Seat Heater SW (Driver's Seat)
S 8 Seat Heater SW (Front Passenger's Seat)

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : 3RZ-FE]

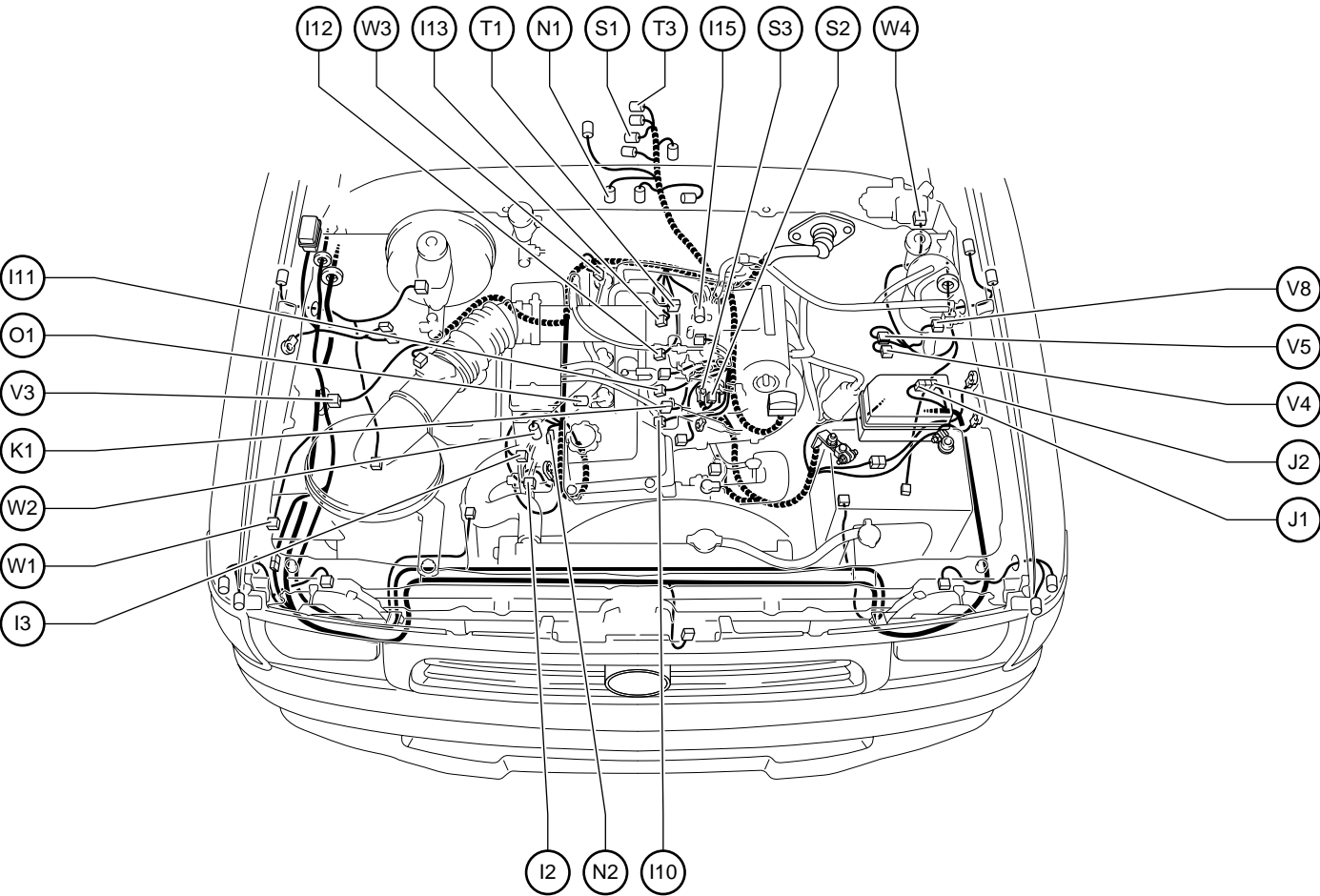


- A 3 A/T Fluid Temp. SW
- A 4 ABS Actuator
- A 5 ABS Actuator
- A 6 ABS Speed Sensor Front LH
- A 7 ABS Speed Sensor Front RH
- A 8 ADD Indicator SW
- A 9 Air Flow Meter
- A10 Alternator
- A11 Alternator
- A12 Auto Antenna Motor
- B 1 Back-Up Light SW
- B 2 Brake Fluid Level Warning SW
- C 1 Camshaft Position Sensor
- C 3 Check Connector
- C 4 Crankshaft Position Sensor

- D 1 Detection SW (Transfer 4WD Position)
- D 2 Detection SW (Transfer L4 Position)
- E 1 ECT Solenoid
- F 1 Front Clearance Light LH
- F 2 Front Clearance Light RH
- F 3 Front Side Turn Signal Light LH
- F 4 Front Side Turn Signal Light RH
- F 7 Front Turn Signal Light LH
- F 8 Front Turn Signal Light RH
- F15 Front Airbag Sensor LH
- F16 Front Airbag Sensor RH
- H 5 Headlight LH
- H 6 Headlight RH
- H 9 Horn

Position of Parts in Engine Compartment

[RHD : 3RZ-FE]

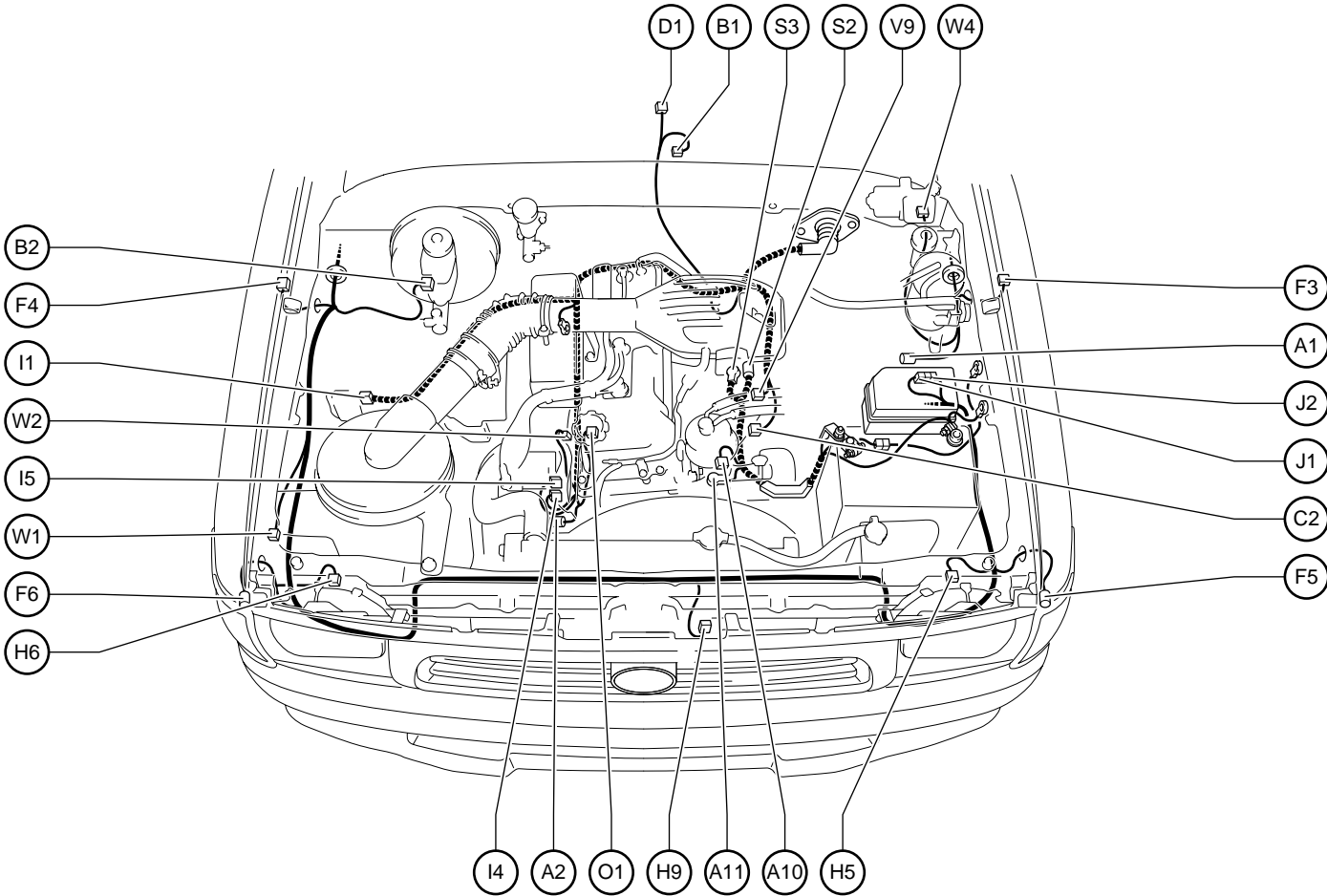


- | | |
|------------------------------------|------------------------------|
| I 2 Ignition Coil and Igniter No.1 | S 1 Speed Sensor (ECT) |
| I 3 Ignition Coil and Igniter No.2 | S 2 Starter |
| I 10 Injector No.1 | S 3 Starter |
| I 11 Injector No.2 | |
| I 12 Injector No.3 | T 1 Throttle Position Sensor |
| I 13 Injector No.4 | T 3 2-4 Select Motor |
| I 15 ISC Valve | |
| | V 3 Variable Resistor |
| J 1 Junction Connector | V 4 VSV (2WD, ADD) |
| J 2 Junction Connector | V 5 VSV (4WD, ADD) |
| | V 8 VSV (EVAP) |
| K 1 Knock Sensor | |
| | W 1 Washer Motor |
| N 1 Neutral Start SW | W 2 Water Temp. Sender |
| N 2 Noise Filter | W 3 Water Temp. Sensor |
| | W 4 Wiper Motor |
| O 1 Oil Pressure SW | |

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : 3RZ-F]



- A 1 A/C Dual Pressure SW

A 2 A/C Magnetic Clutch

A10 Alternator

A11 Alternator

B 1 Back-Up Light SW

B 2 Brake Fluid Level Warning SW

C 2 Carburetor

D 1 Detection SW (Transfer 4WD Position)

F 3 Front Side Turn Signal Light LH

F 4 Front Side Turn Signal Light RH

F 5 Front Turn Signal Light and Clearance Light LH

F 6 Front Turn Signal Light and Clearance Light RH

H 5 Headlight LH

H 6 Headlight RH

H 9 Horn
- I 1 Igniter

I 4 Ignition Coil No.1

I 5 Ignition Coil No.2

J 1 Junction Connector

J 2 Junction Connector

O 1 Oil Pressure SW

S 2 Starter

S 3 Starter

V 9 VSV (Throttle Position Control)

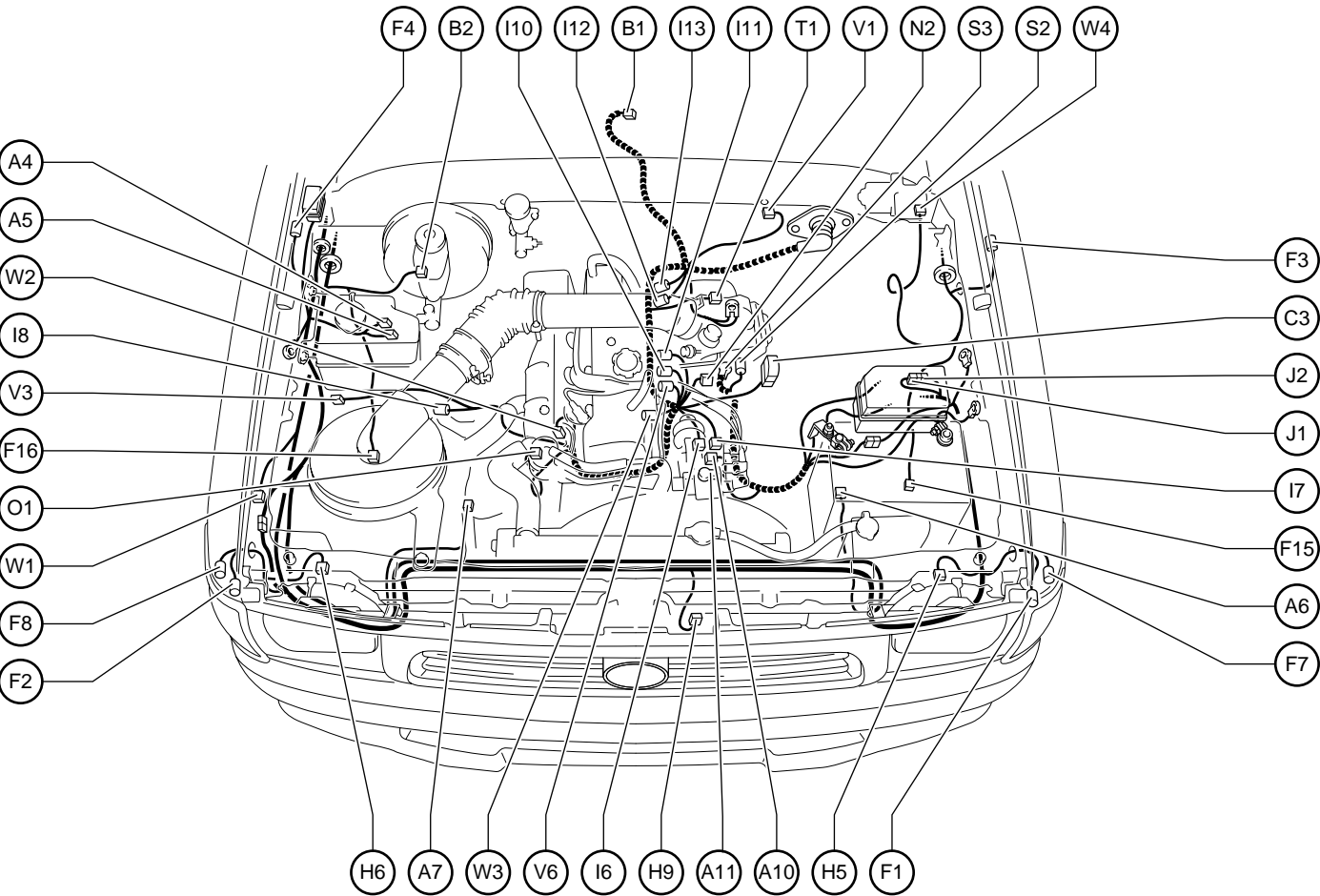
W 1 Washer Motor

W 2 Water Temp. Sender

W 4 Wiper Motor

Position of Parts in Engine Compartment

[RHD : 1RZ-E]

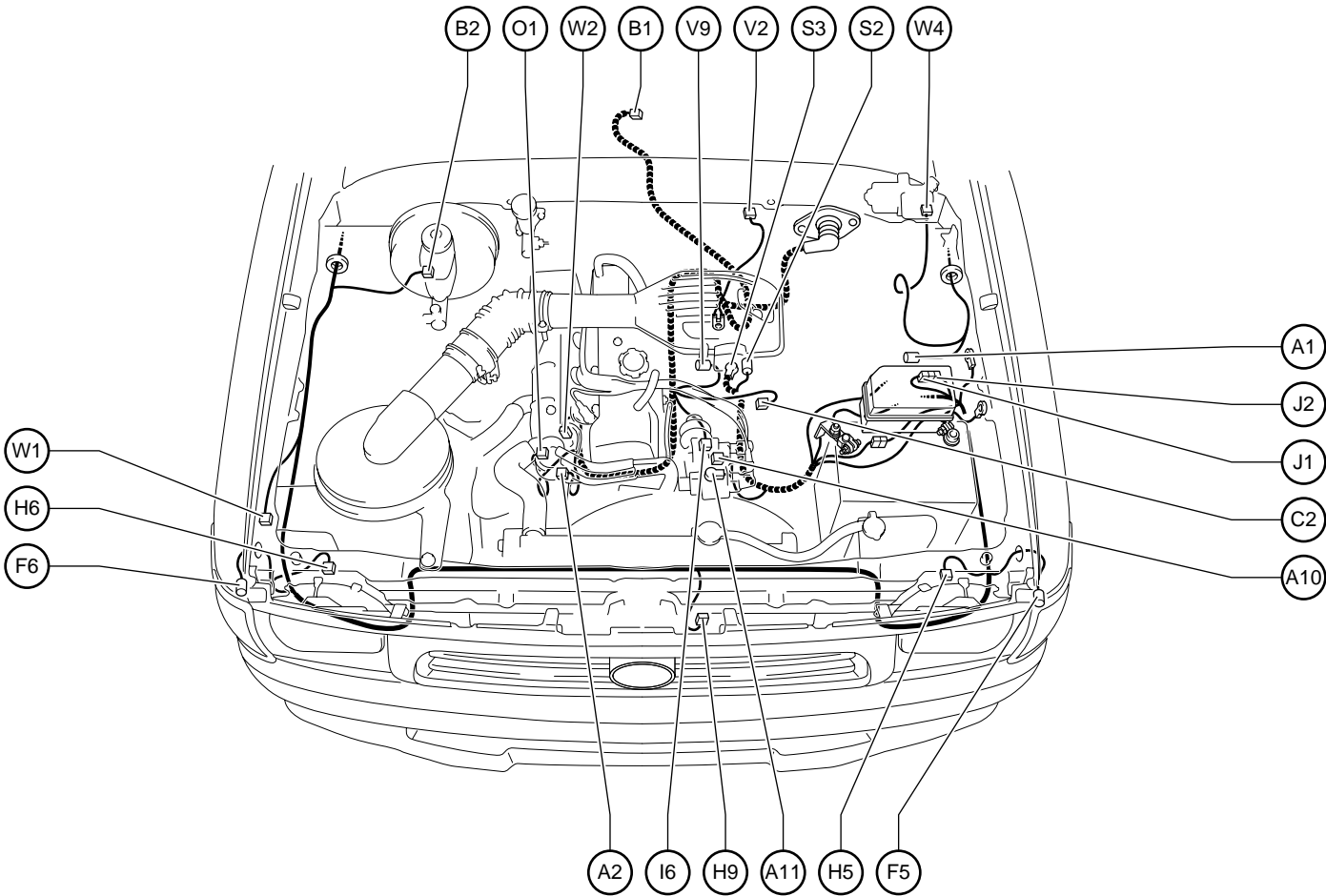


- | | |
|-------------------------------------|------------------------------|
| A 4 ABS Actuator | I 6 IIA |
| A 5 ABS Actuator | I 7 IIA |
| A 6 ABS Speed Sensor Front LH | I 8 Intake Air Temp. Sensor |
| A 7 ABS Speed Sensor Front RH | I 10 Injector No.1 |
| A10 Alternator | I 11 Injector No.2 |
| A 11 Alternator | I 12 Injector No.3 |
| | I 13 Injector No.4 |
| B 1 Back-Up Light SW | J 1 Junction Connector |
| B 2 Brake Fluid Level Warning SW | J 2 Junction Connector |
| C 3 Check Connector | N 2 Noise Filter |
| F 1 Front Clearance Light LH | O 1 Oil Pressure SW |
| F 2 Front Clearance Light RH | S 2 Starter |
| F 3 Front Side Turn Signal Light LH | S 3 Starter |
| F 4 Front Side Turn Signal Light RH | T 1 Throttle Position Sensor |
| F 7 Front Turn Signal Light LH | V 1 Vacuum Sensor |
| F 8 Front Turn Signal Light RH | V 3 Variable Resistor |
| F15 Front Airbag Sensor LH | V 6 VSV (A/C Idle-Up) |
| F16 Front Airbag Sensor RH | W 1 Washer Motor |
| H 5 Headlight LH | W 2 Water Temp. Sender |
| H 6 Headlight RH | W 3 Water Temp. Sensor |
| H 9 Horn | W 4 Wiper Motor |

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : 1RZ]



- A 1 A/C Dual Pressure SW

A 2 A/C Magnetic Clutch

A10 Alternator

A 11 Alternator

B 1 Back-Up Light SW

B 2 Brake Fluid Level Warning SW

C 2 Carburetor

F 5 Front Turn Signal Light and Clearance Light LH

F 6 Front Turn Signal Light and Clearance Light RH

H 5 Headlight LH

H 6 Headlight RH

H 9 Horn
- I 6 IIA

J 1 Junction Connector

J 2 Junction Connector

O 1 Oil Pressure SW

S 2 Starter

S 3 Starter

V 2 Vacuum SW

V 9 VSV (Throttle Position Control)

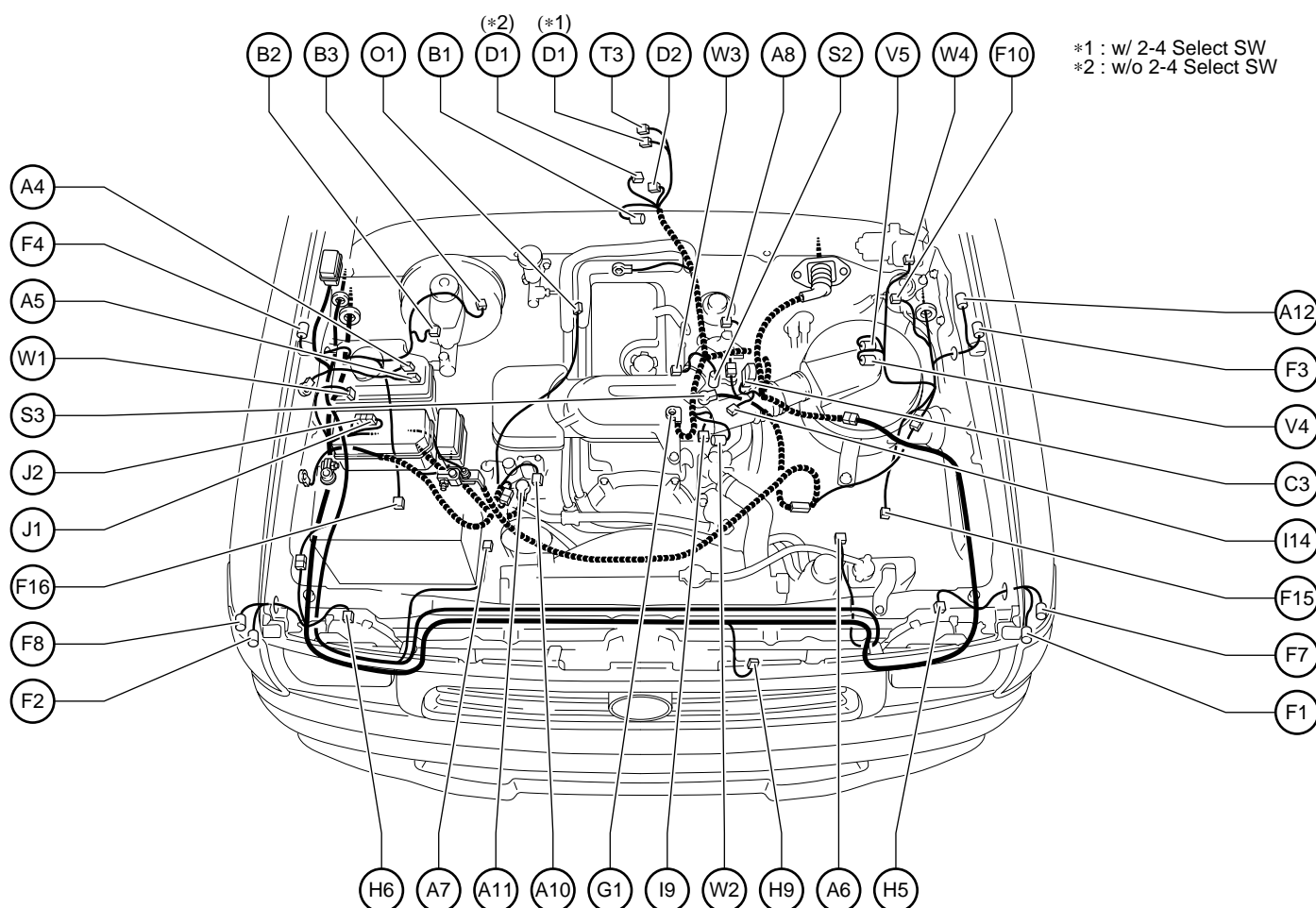
W 1 Washer Motor

W 2 Water Temp. Sender

W 4 Wiper Motor

Position of Parts in Engine Compartment

[RHD : 5L]



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

A 4 ABS Actuator
A 5 ABS Actuator
A 6 ABS Speed Sensor Front LH
A 7 ABS Speed Sensor Front RH
A 8 ADD Indicator SW
A10 Alternator
A11 Alternator
A12 Auto Antenna Motor

B 1 Back-Up Light SW
B 2 Brake Fluid Level Warning SW
B 3 Brake Vacuum Warning SW

C 3 Check Connector

D 1 Detection SW (Transfer 4WD Position)
D 2 Detection SW (Transfer L4 Position)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Side Turn Signal Light LH
F 4 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
F 8 Front Turn Signal Light RH
F10 Fuel Sedimentary SW
F15 Front Airbag Sensor LH
F16 Front Airbag Sensor RH

G 1 Glow Plug

H 5 Headlight LH
H 6 Headlight RH
H 9 Horn

I 9 Injection Pump
I 14 Intake Shutter

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure SW

S 2 Starter
S 3 Starter

T 3 2-4 Select Motor

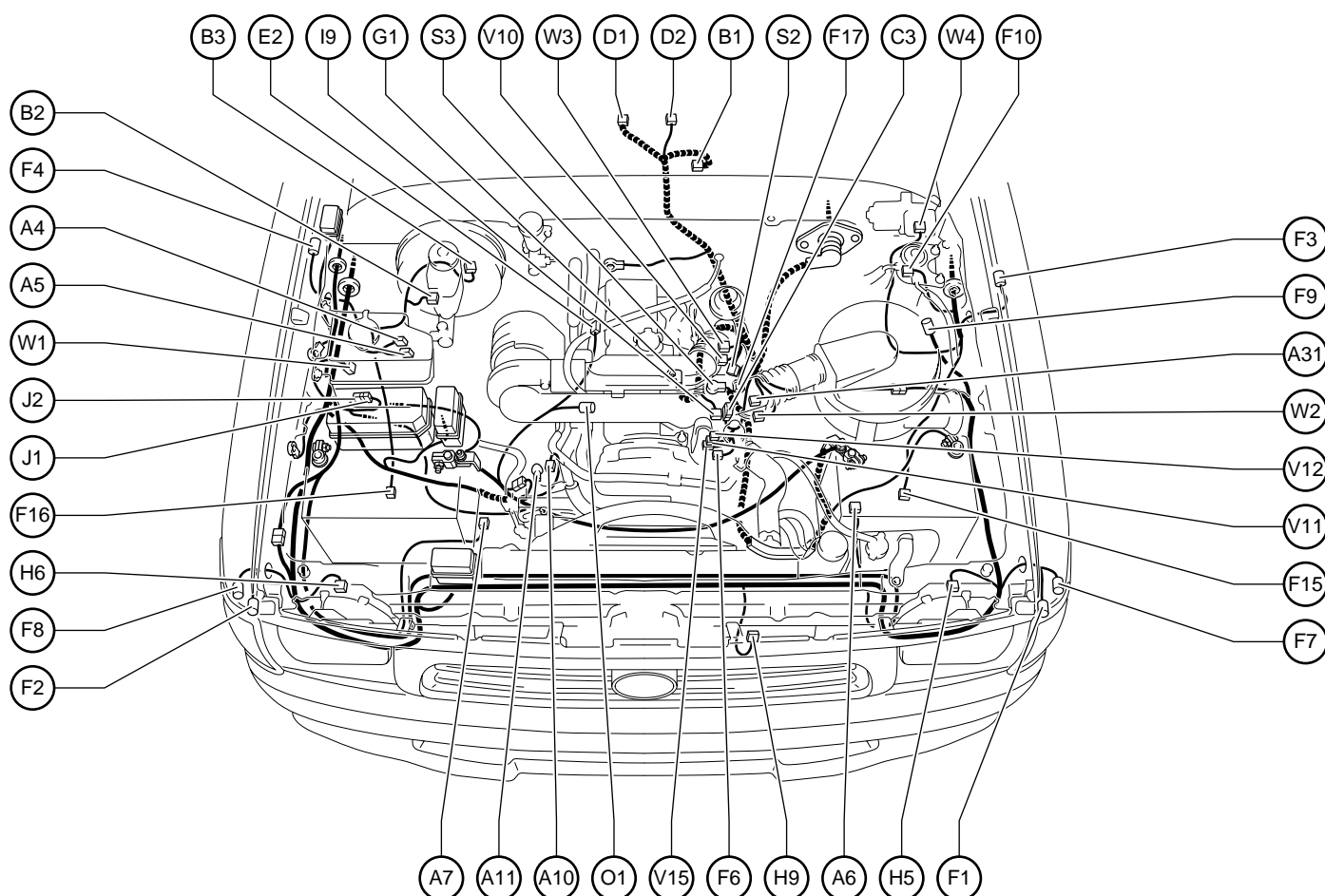
V 4 VSV (2WD, ADD)
V 5 VSV (4WD, ADD)

W 1 Washer Motor
W 2 Water Temp. Sender
W 3 Water Temp. Sensor
W 4 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : 2L-T]



A 4 ABS Actuator
A 5 ABS Actuator
A 6 ABS Speed Sensor Front LH
A 7 ABS Speed Sensor Front RH
A10 Alternator
A11 Alternator
A31 Accelerator Pedal Position Sensor

B 1 Back-Up Light SW
B 2 Brake Fluid Level Warning SW
B 3 Brake Vacuum Warning SW

C 3 Check Connector

D 1 Detection SW (Transfer 4WD Position)
D 2 Detection SW (Transfer L4 Position)

E 2 Engine Oil Level Warning SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Side Turn Signal Light LH
F 4 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
F 8 Front Turn Signal Light RH
F 9 Fuel Heater
F10 Fuel Sedimentary SW
F15 Front Airbag Sensor LH
F16 Front Airbag Sensor RH
F17 Fuel Control Valve

G 1 Glow Plug

H 5 Headlight LH
H 6 Headlight RH
H 9 Horn

I 9 Injection Pump

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure SW

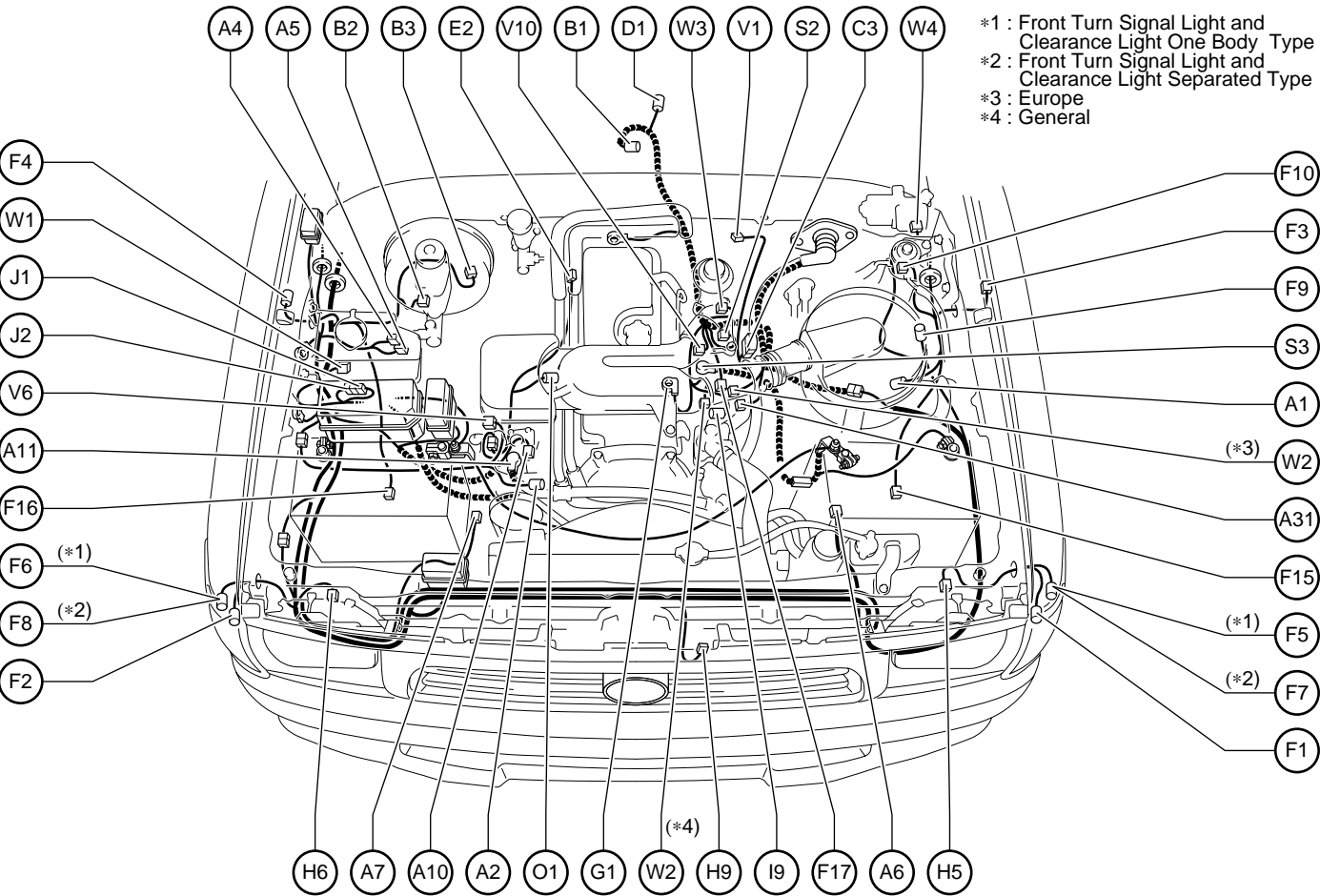
S 2 Starter
S 3 Starter

V10 VRV (EGR)
V11 VSV (BACS)
V12 VSV (EGR)
V15 VSV (Turbo Pressure Sensor)

W 1 Washer Motor
W 2 Water Temp. Sender
W 3 Water Temp. Sensor
W 4 Wiper Motor

Position of Parts in Engine Compartment

[RHD : 3L, 2L]



- A 1 A/C Dual Pressure SW

A 2 A/C Magnetic Clutch

A 4 ABS Actuator

A 5 ABS Actuator

A 6 ABS Speed Sensor Front LH

A 7 ABS Speed Sensor Front RH

A10 Alternator

A11 Alternator

A31 Accelerator Pedal Position Sensor

B 1 Back-Up Light SW

B 2 Brake Fluid Level Warning SW

B 3 Brake Vacuum Warning SW

C 3 Check Connector

D 1 Detection SW (Transfer 4WD Position)

E 2 Engine Oil Level Warning SW

F 1 Front Clearance Light LH

F 2 Front Clearance Light RH

F 3 Front Side Turn Signal Light LH

F 4 Front Side Turn Signal Light RH

F 5 Front Turn Signal Light and Clearance Light LH

F 6 Front Turn Signal Light and Clearance Light RH

F 7 Front Turn Signal Light LH

F 8 Front Turn Signal Light RH

F 9 Fuel Heater

F10 Fuel Sedimentary SW

F15 Front Airbag Sensor LH

F16 Front Airbag Sensor RH

F17 Fuel Control Valve

G 1 Glow Plug

H 5 Headlight LH

H 6 Headlight RH

H 9 Horn

I 9 Injection Pump

J 1 Junction Connector

J 2 Junction Connector

O 1 Oil Pressure SW

S 2 Starter

S 3 Starter

V 1 Vacuum Sensor

V 6 VSV (A/C Idle-Up)

V10 VRV (EGR)

W 1 Washer Motor

W 2 Water Temp. Sender

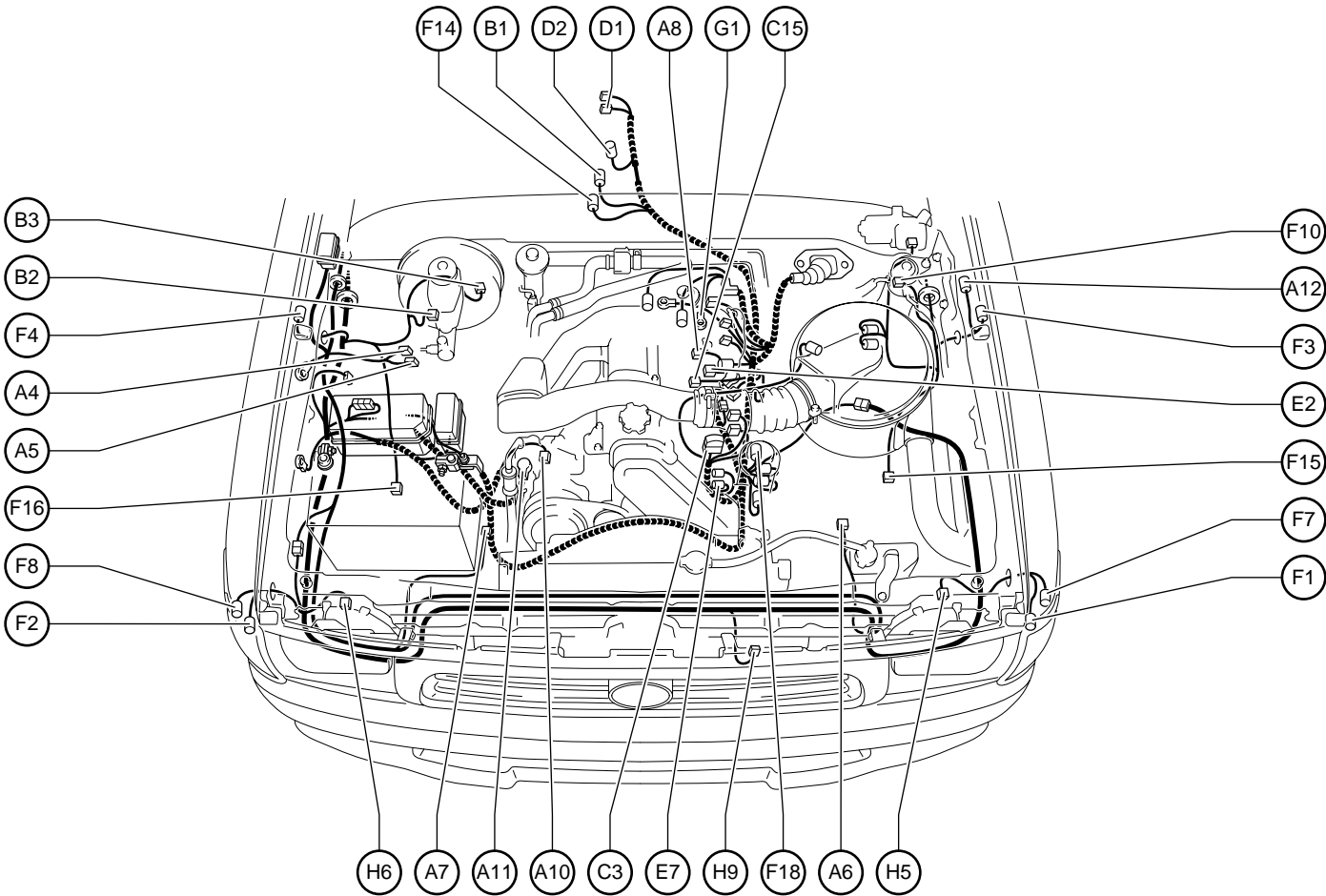
W 3 Water Temp. Sensor

W 4 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : 1KZ-TE]

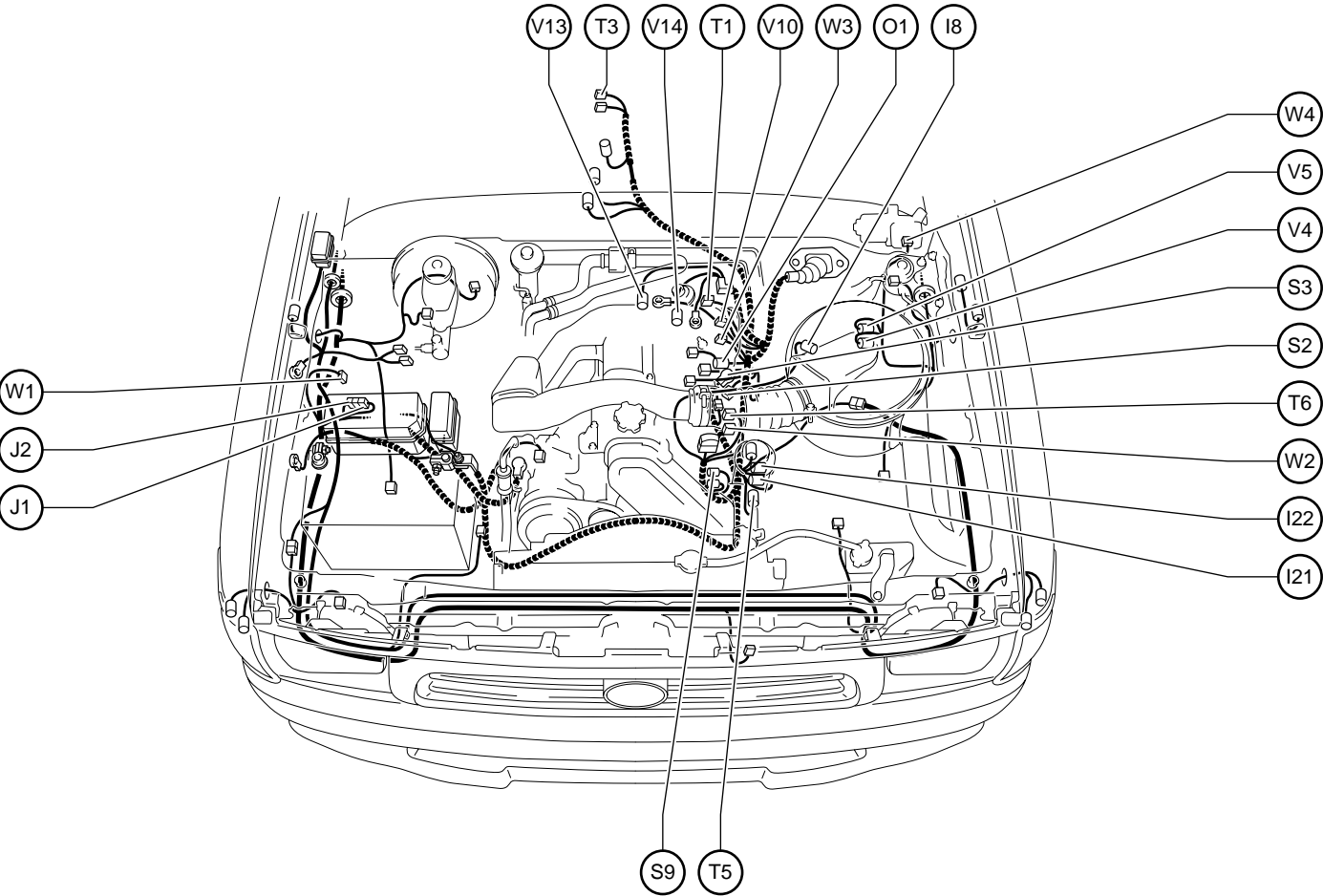


- A 4 ABS Actuator
- A 5 ABS Actuator
- A 6 ABS Speed Sensor Front LH
- A 7 ABS Speed Sensor Front RH
- A 8 ADD Indicator SW
- A10 Alternator
- A11 Alternator
- A12 Auto Antenna Motor
- B 1 Back-Up Light SW
- B 2 Brake Fluid Level Warning SW
- B 3 Brake Vacuum Warning SW
- C 3 Check Connector
- C15 Crankshaft Position Sensor
- D 1 Detection SW (Transfer 4WD Position)
- D 2 Detection SW (Transfer L4 Position)
- E 2 Engine Oil Level Warning SW
- E 7 Engine Speed Sensor

- F 1 Front Clearance Light LH
- F 2 Front Clearance Light RH
- F 3 Front Side Turn Signal Light LH
- F 4 Front Side Turn Signal Light RH
- F 7 Front Turn Signal Light LH
- F 8 Front Turn Signal Light RH
- F10 Fuel Sedimentary SW
- F14 First Gear Position SW
- F15 Front Airbag Sensor LH
- F16 Front Airbag Sensor RH
- F18 Fuel Temp. Sensor
- G 1 Glow Plug
- H 5 Headlight LH
- H 6 Headlight RH
- H 9 Horn

Position of Parts in Engine Compartment

[RHD : 1KZ-TE]



- I 8 Intake Air Temp. Sensor
- I 21 Injection Pump Correction Resistor No.1
- I 22 Injection Pump Correction Resistor No.2

- J 1 Junction Connector
- J 2 Junction Connector

- O 1 Oil Pressure SW

- S 2 Starter
- S 3 Starter
- S 9 Spill Control Valve

- T 1 Throttle Position Sensor
- T 3 2-4 Select Motor
- T 5 Timing Control Valve
- T 6 Turbo Pressure Sensor

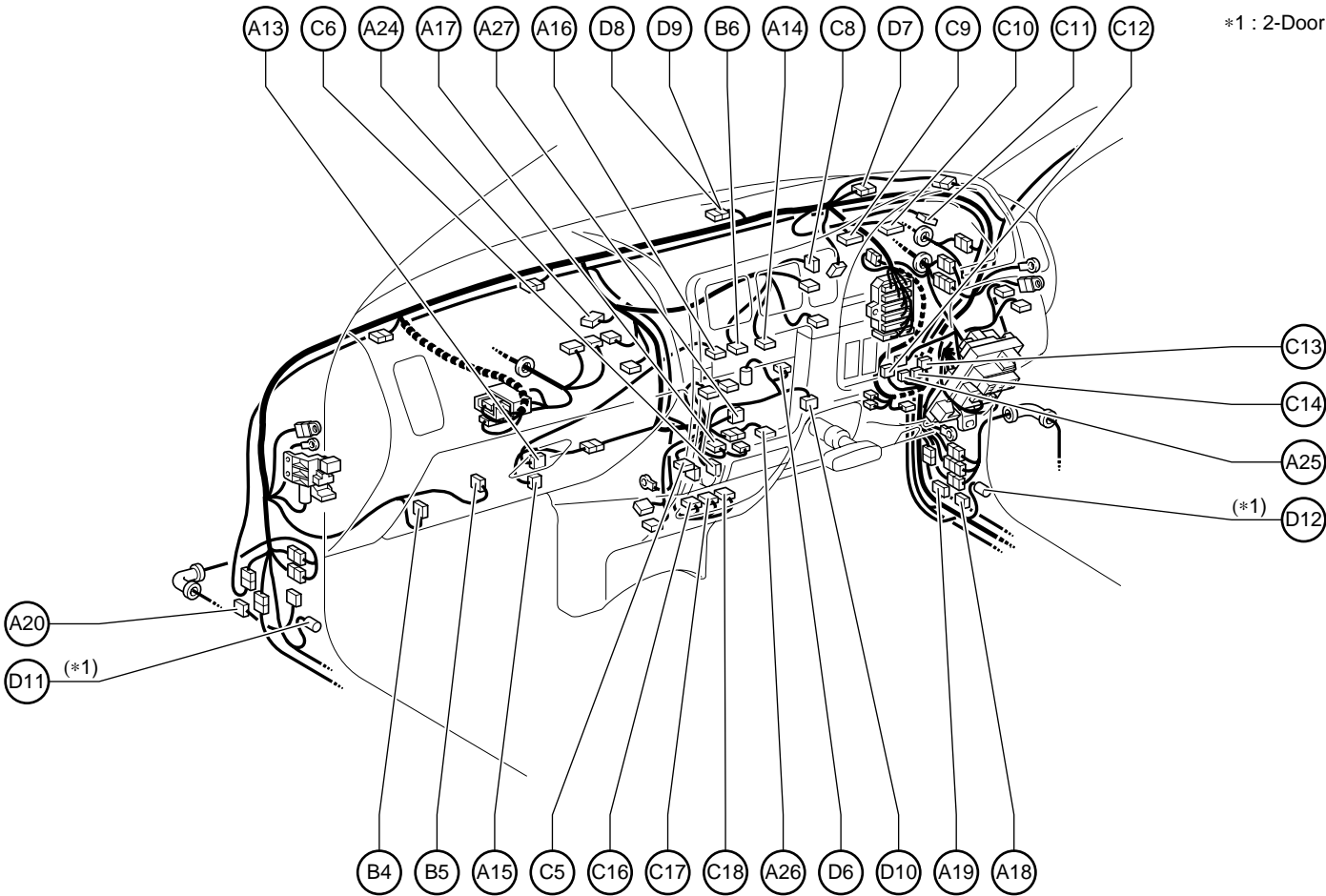
- V 4 VSV (2WD, ADD)
- V 5 VSV (4WD, ADD)
- V10 VRV (EGR)
- V13 VSV (Intake Constrictor Control No.1)
- V14 VSV (Intake Constrictor Control No.2)

- W 1 Washer Motor
- W 2 Water Temp. Sender
- W 3 Water Temp. Sensor
- W 4 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Instrument Panel

[RHD]



- A13 A/C Amplifier

A14 A/C SW

A15 A/C Thermistor

A16 A/C Volume SW

A17 ABS Deceleration Sensor

A18 ABS ECU

A19 ABS ECU

A20 ADD Control Relay

A24 Airbag Squib (Front Passenger's Airbag Assembly)

A25 Airbag Squib (Steering Wheel Pad)

A26 Ashtray Illumination

A27 Auto Antenna Control Relay
- C 5 Cigarette Lighter

C 6 Cigarette Lighter Illumination

C 8 Clock

C 9 Combination Meter

C10 Combination Meter

C11 Combination Meter

C12 Combination SW

C13 Combination SW

C14 Combination SW

C16 Center Airbag Sensor Assembly

C17 Center Airbag Sensor Assembly

C18 Center Airbag Sensor Assembly
- B 4 Blower Motor

B 5 Blower Resistor

B 6 Blower SW
- D 6 Dim-Dip Light Relay

D 7 Diode (Door Courtesy)

D 8 Diode (Glow Plug)

D 9 Diode (Idle-Up)

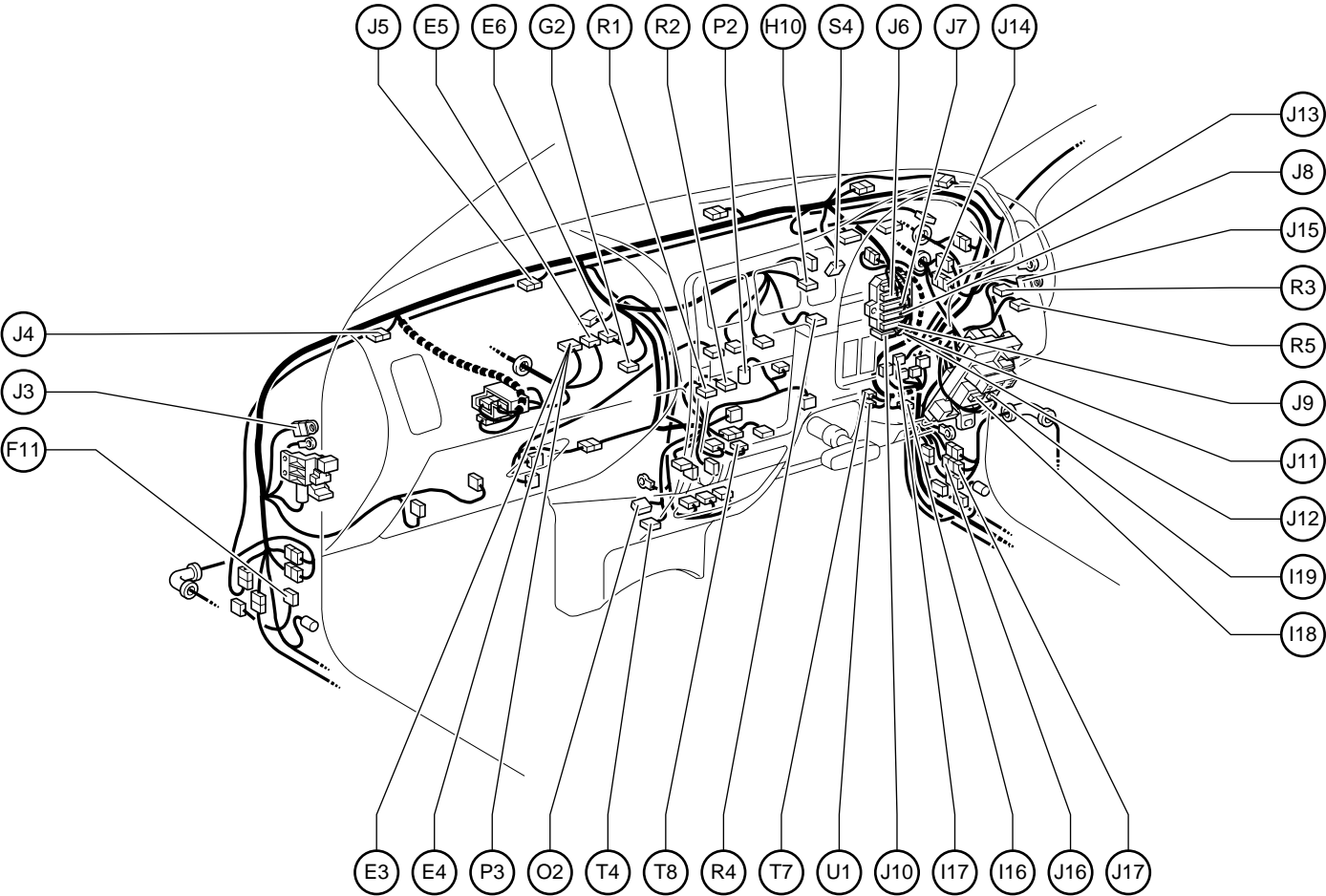
D10 DLC3

D11 Door Courtesy SW Front LH

D12 Door Courtesy SW Front RH

Position of Parts in Instrument Panel

[RHD]



- E 3 Emission Control ECU
E 4 Engine ECU (M/T) or Engine and ECT ECU (A/T)
E 5 Engine ECU (M/T) or Engine and ECT ECU (A/T)
E 6 Engine ECU (M/T) or Engine and ECT ECU (A/T)

F 11 4WD Control ECU

G 2 Glove Box Light

H10 Hazard SW

I 16 Ignition Key Cylinder Light
I 17 Ignition SW
I 18 Integration Relay
I 19 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

J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector

O 2 O/D Main SW

P 2 Parking Brake SW
P 2 Pre-Heating Timer

R 1 Radio and Player
R 2 Radio and Player
R 3 Rear Fog Light SW
R 4 Rear Window Defogger SW
R 5 Rheostat
S 4 Stop Light SW

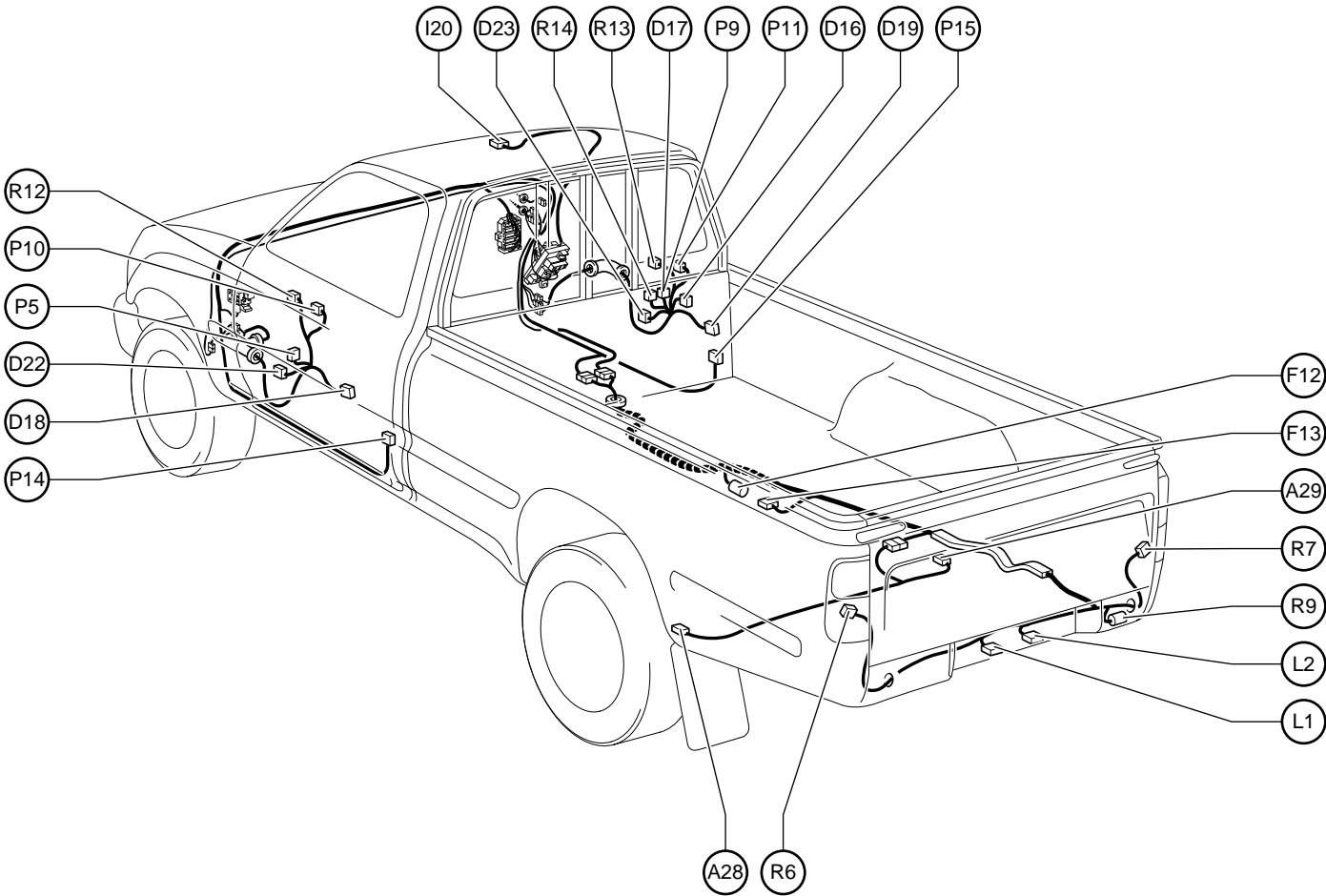
T 4 2-4 Select SW
T 7 Transponder Key Amplifier
T 8 Transponder Key Computer

U 1 Unlock Warning SW

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[RHD : Regular Cab]



A28 ABS Speed Sensor Rear LH
A29 ABS Speed Sensor Rear RH

D16 Door Key Lock and Unlock SW
D17 Door Lock Control SW
D18 Door Lock Motor Front LH
D19 Door Lock Motor Front RH
D22 Door Speaker Front LH
D23 Door Speaker Front RH

F 12 Fuel Pump
F 13 Fuel Sender

I 20 Interior Light

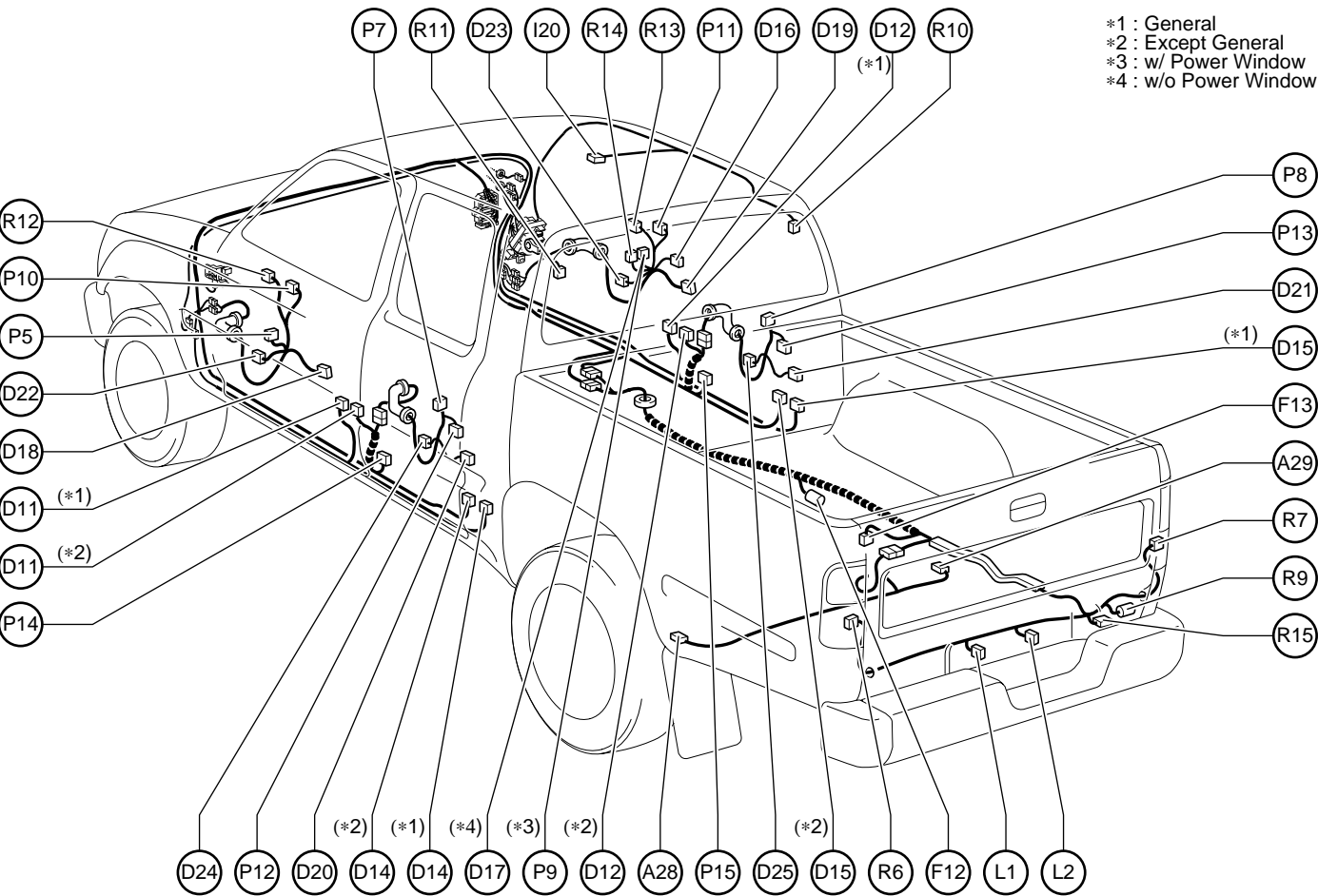
L 1 License Plate Light LH
L 2 License Plate Light RH

P 5 Power Window Control SW Front LH
P 9 Power Window Master SW
P10 Power Window Motor Front LH
P11 Power Window Motor Front RH
P14 Pretensioner LH
P15 Pretensioner RH

R 6 Rear Combination Light LH
R 7 Rear Combination Light RH
R 9 Rear Fog Light
R12 Remote Control Mirror LH
R13 Remote Control Mirror RH
R14 Remote Control Mirror SW

Position of Parts in Body

[RHD : Double Cab]



- A28 ABS Speed Sensor Rear LH

A29 ABS Speed Sensor Rear RH

D11 Door Courtesy SW Front LH

D12 Door Courtesy SW Front RH

D14 Door Courtesy SW Rear LH

D15 Door Courtesy SW Rear RH

D16 Door Key Lock and Unlock SW

D17 Door Lock Control SW

D18 Door Lock Motor Front LH

D19 Door Lock Motor Front RH

D20 Door Lock Motor Rear LH

D21 Door Lock Motor Rear RH

D22 Door Speaker Front LH

D23 Door Speaker Front RH

D24 Door Speaker Rear LH

D25 Door Speaker Rear RH

F12 Fuel Pump

F13 Fuel Sender

I20 Interior Light
- L1 License Plate Light LH

L2 License Plate Light RH

P5 Power Window Control SW Front LH

P7 Power Window Control SW Rear LH

P8 Power Window Control SW Rear RH

P9 Power Window Master SW

P10 Power Window Motor Front LH

P11 Power Window Motor Front RH

P12 Power Window Motor Rear LH

P13 Power Window Motor Rear RH

P14 Pretensioner LH

P15 Pretensioner RH

R6 Rear Combination Light LH

R7 Rear Combination Light RH

R9 Rear Fog Light

R10 Rear Window Defogger

R11 Rear Window Defogger

R12 Remote Control Mirror LH

R13 Remote Control Mirror RH

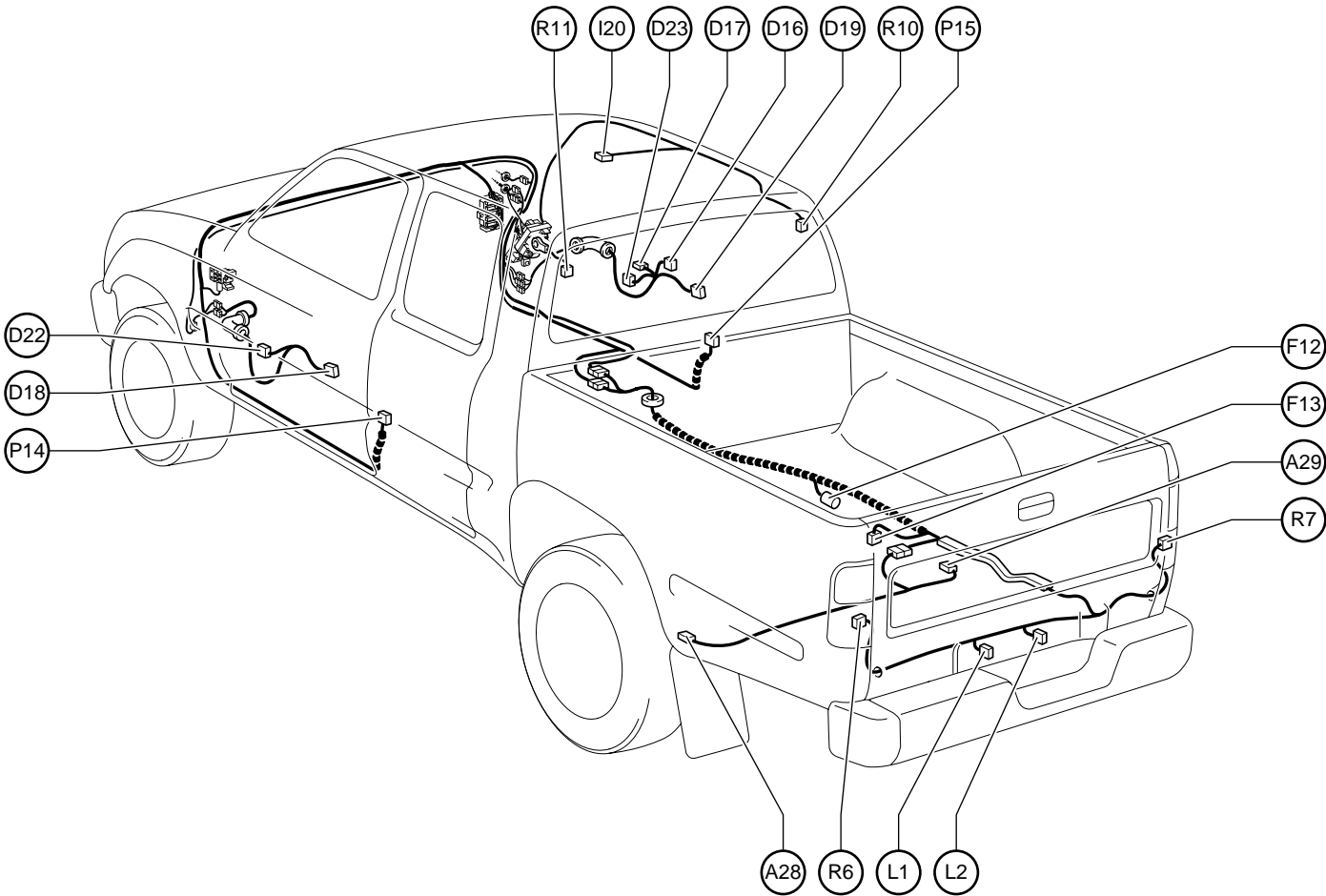
R14 Remote Control Mirror SW

R15 Reverse Warning Buzzer

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[RHD : Extra Cab]



- A28 ABS Speed Sensor Rear LH
- A29 ABS Speed Sensor Rear RH
- D16 Door Key Lock and Unlock SW
- D17 Door Lock Control SW
- D18 Door Lock Motor Front LH
- D19 Door Lock Motor Front RH
- D22 Door Speaker Front LH
- D23 Door Speaker Front RH
- F12 Fuel Pump
- F13 Fuel Sender

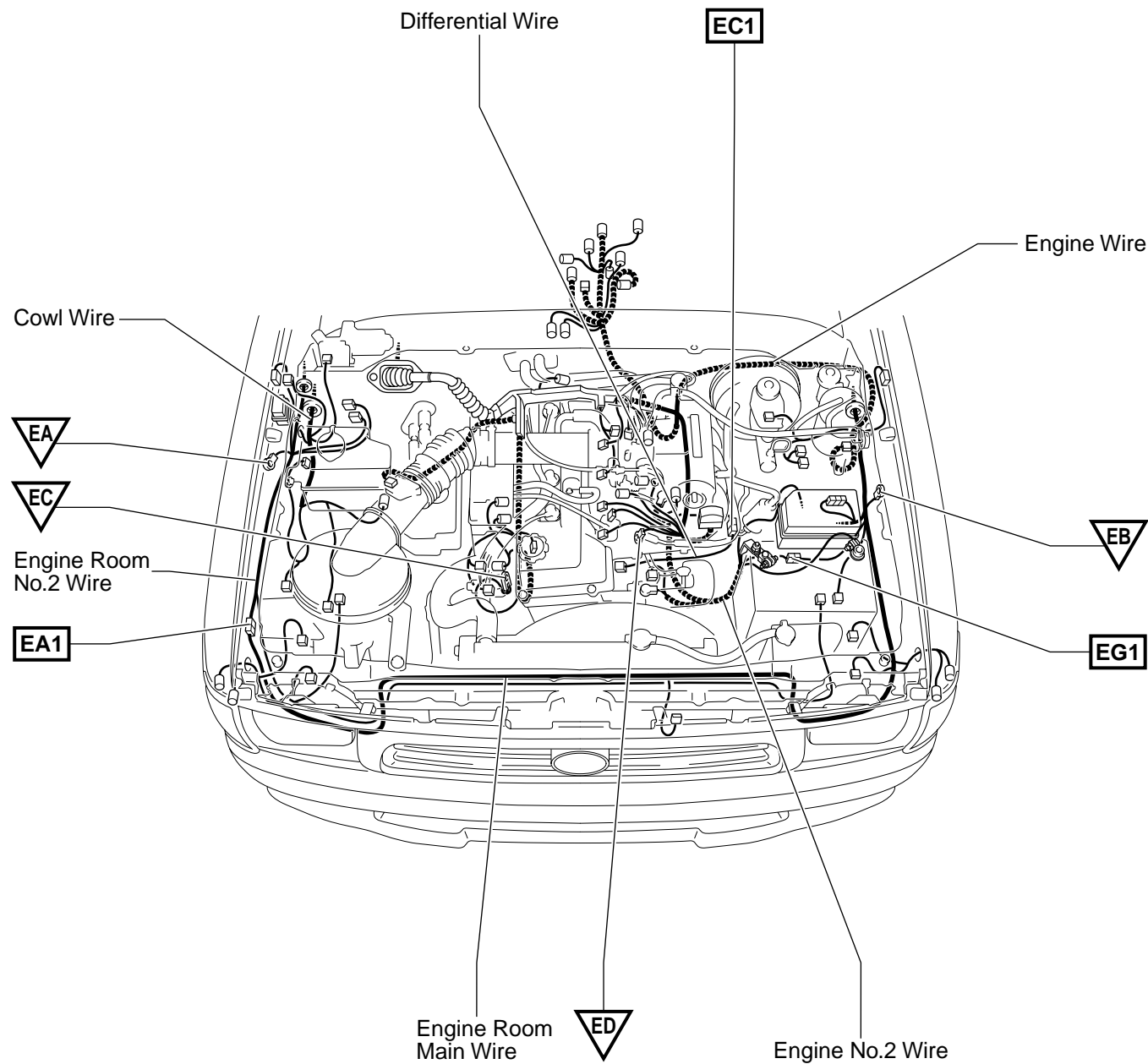
- I 20 Interior Light
- L 1 License Plate Light LH
- L 2 License Plate Light RH
- P14 Pretensioner LH
- P15 Pretensioner RH
- R 6 Rear Combination Light LH
- R 7 Rear Combination Light RH
- R10 Rear Window Defogger
- R11 Rear Window Defogger

E ELECTRICAL WIRING ROUTING

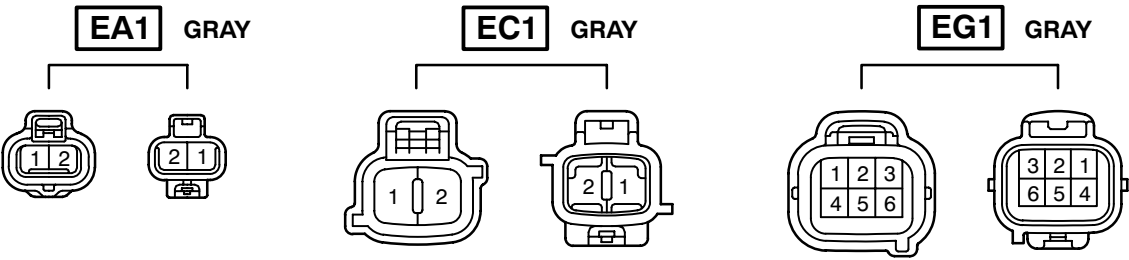
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : 3RZ-FE, 2RZ-FE]



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EC1	Engine No.2 Wire and Differential Wire (Near the Starter)
EG1	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

E ELECTRICAL WIRING ROUTING

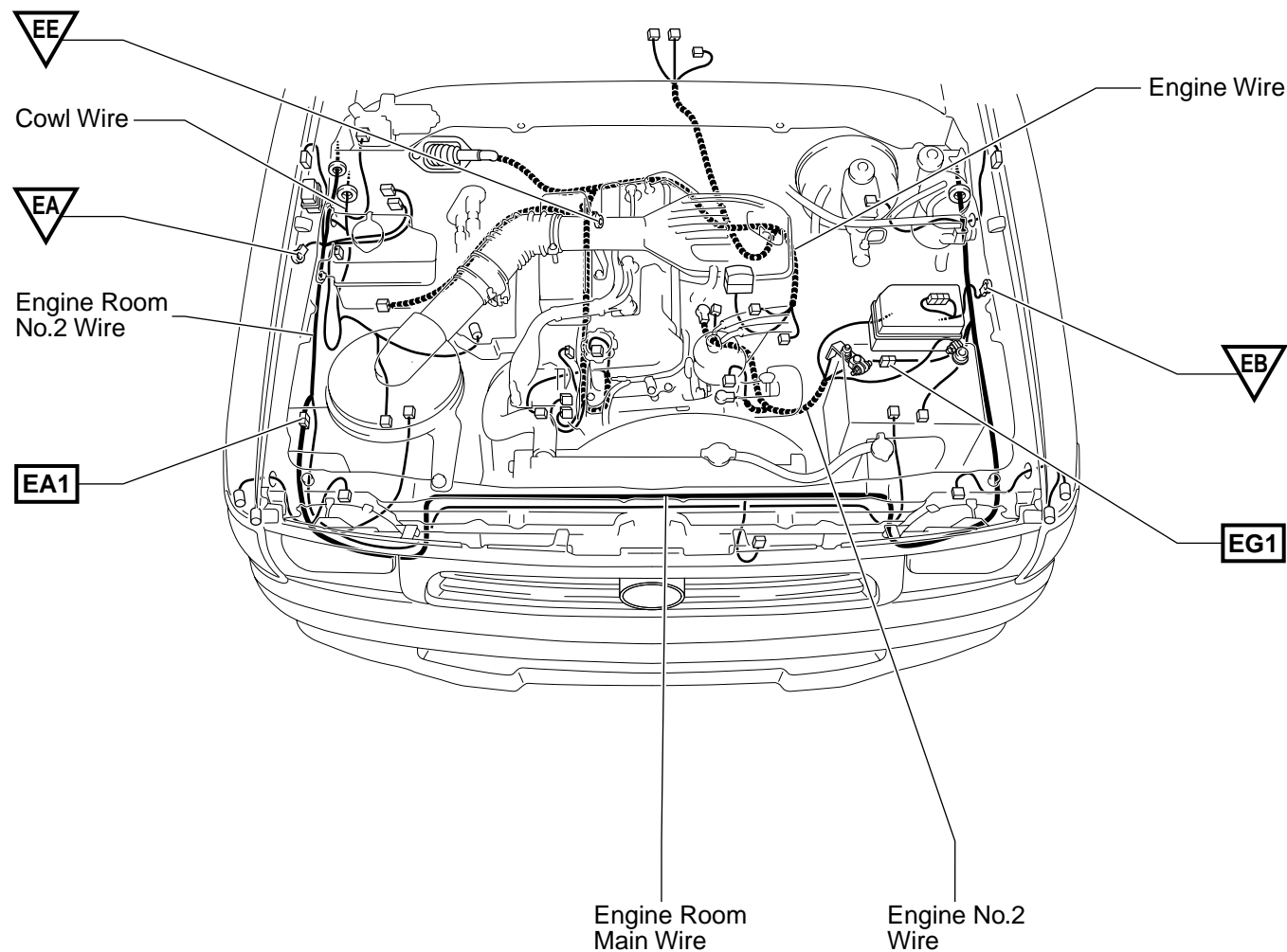
□

 : Location of Connector Joining Wire Harness and Wire Harness

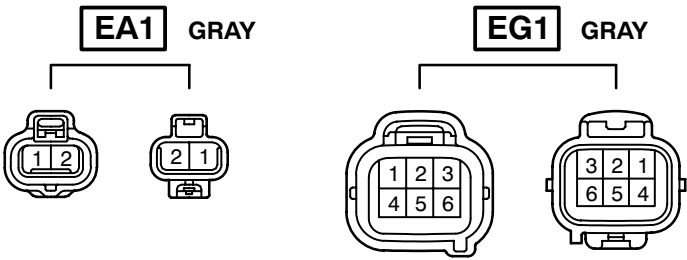
▽

 : Location of Ground Points

[LHD : 3RZ-F]



Connector Joining Wire Harness and Wire Harness



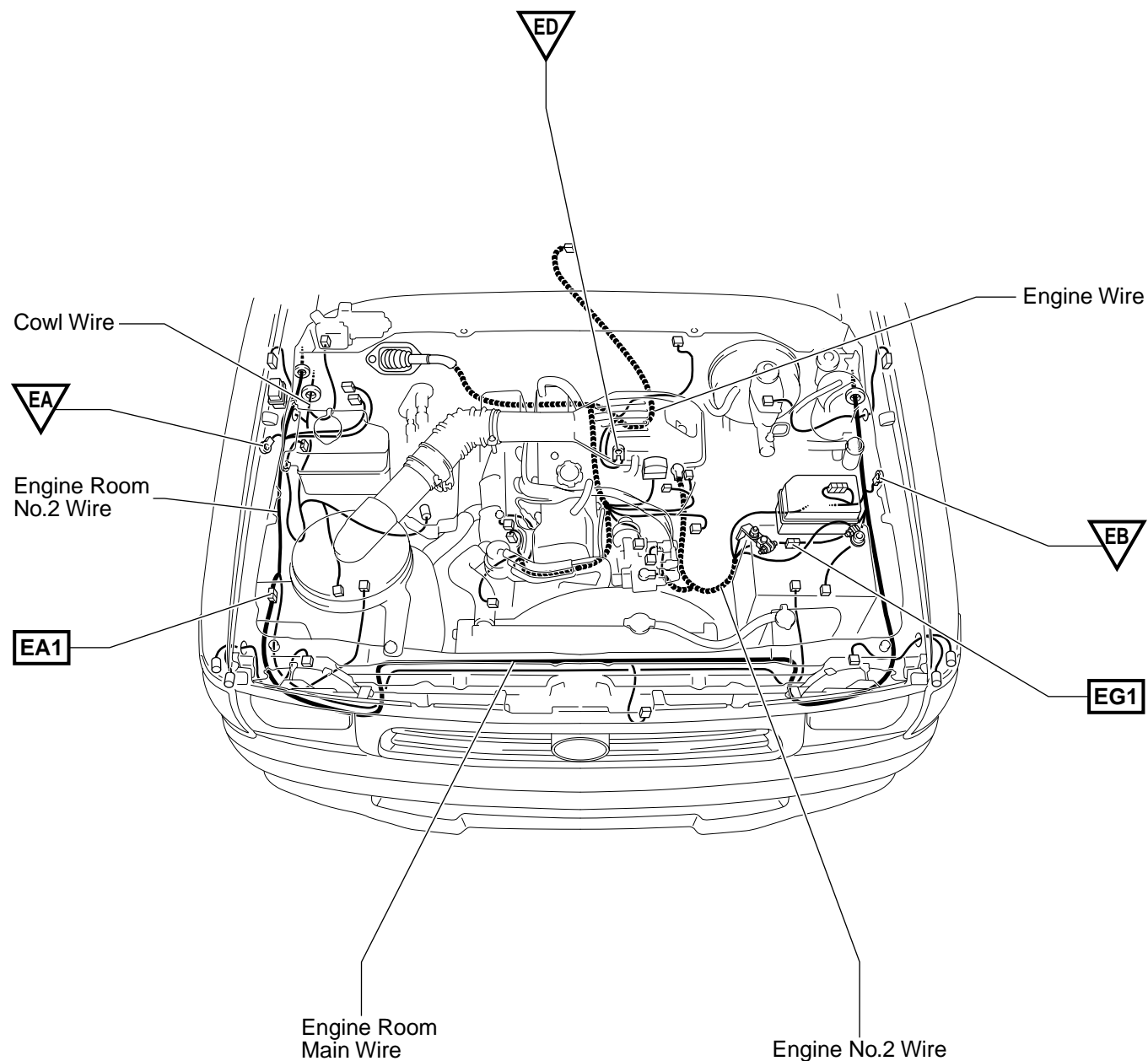
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EG1	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

E ELECTRICAL WIRING ROUTING

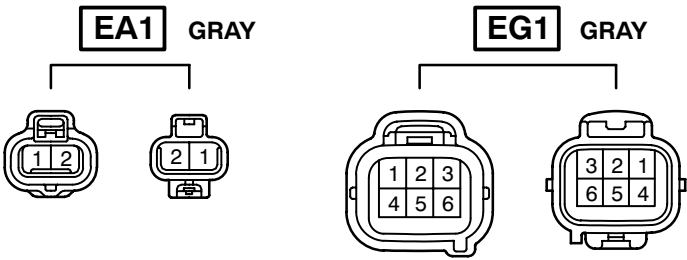
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[LHD : 1RZ]



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EG1	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

E ELECTRICAL WIRING ROUTING

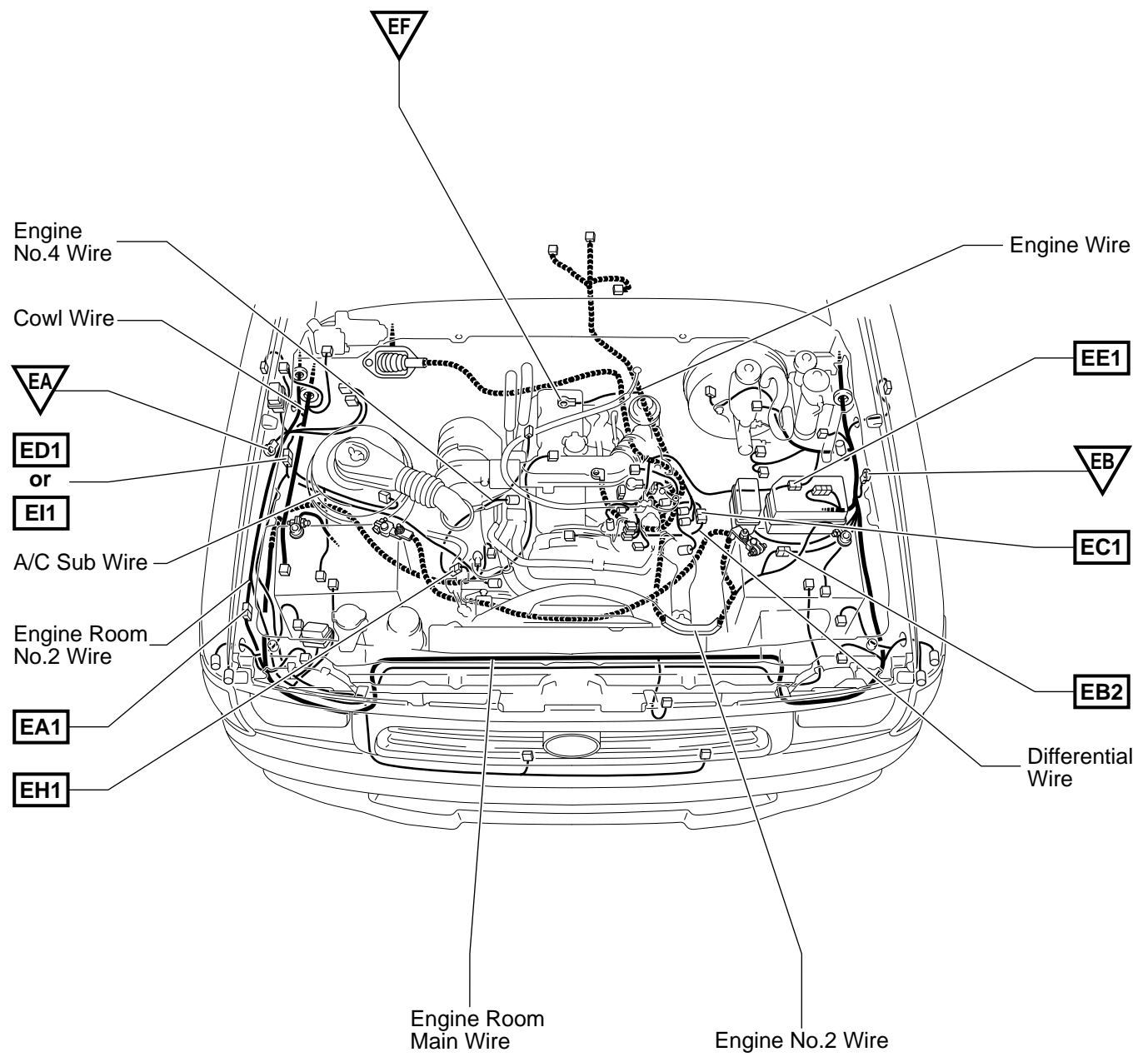
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 : Location of Connector Joining Wire Harness and Wire Harness

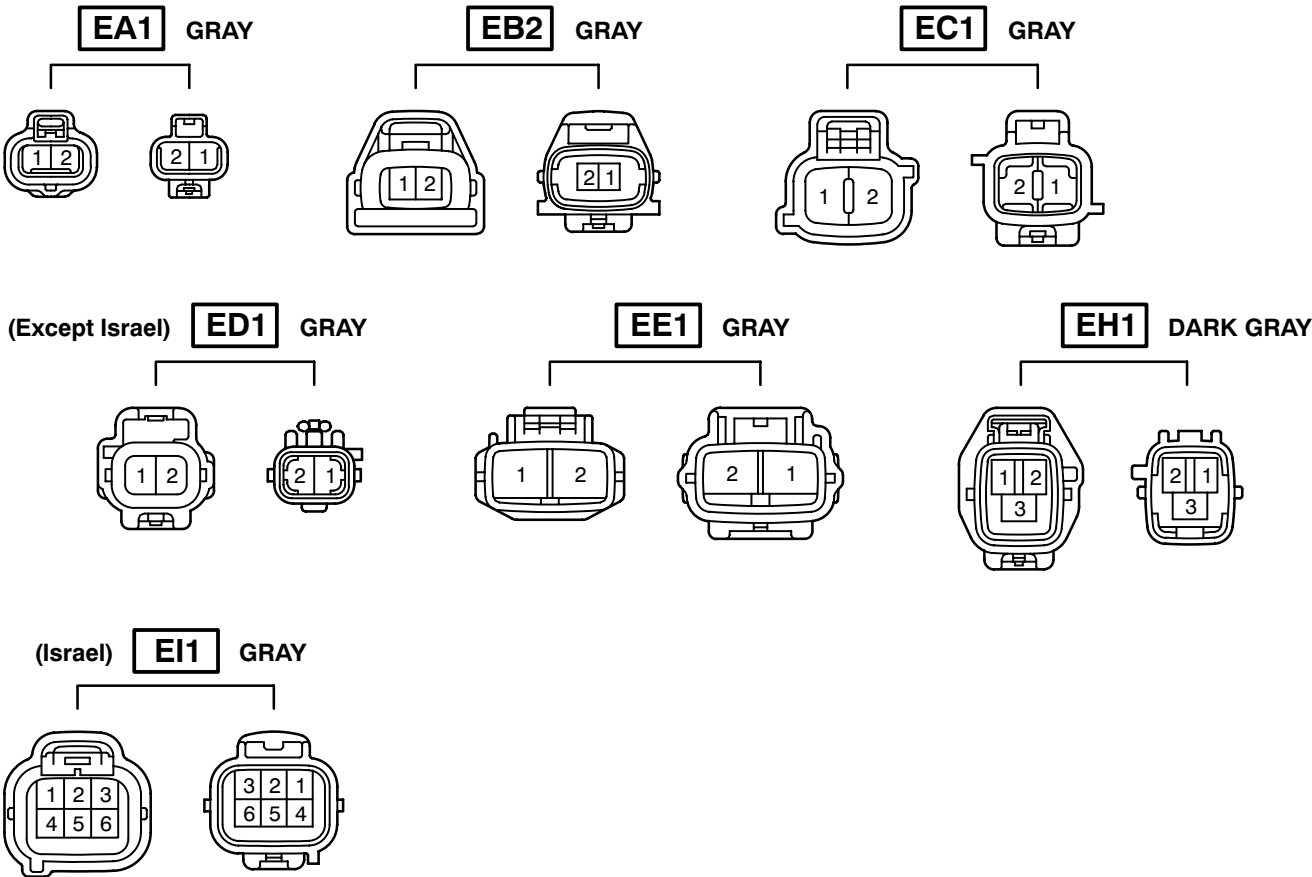
▽

 : Location of Ground Points

[LHD : 2L-T]



Connector Joining Wire Harness and Wire Harness

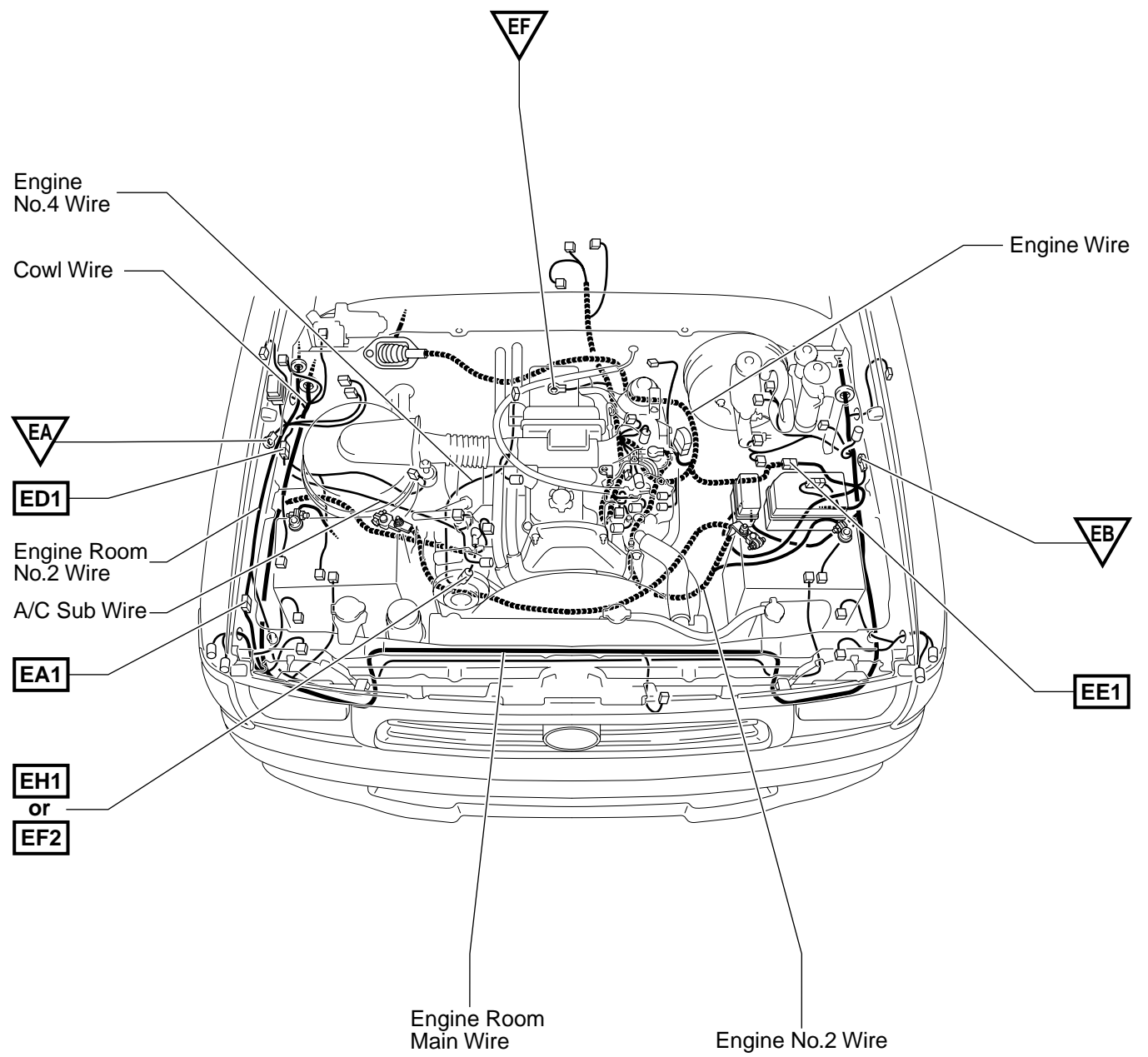


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB2	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)
EC1	Engine No.2 Wire and Differential Wire (Near the Starter)
ED1	Cowl Wire and A/C Sub Wire (Front Right Fender Apron)
EE1	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
EH1	Engine Room Main Wire and Engine No.4 Wire (Near the Alternator)
EI1	A/C Sub Wire and Cowl Wire (Front Right Fender Apron)

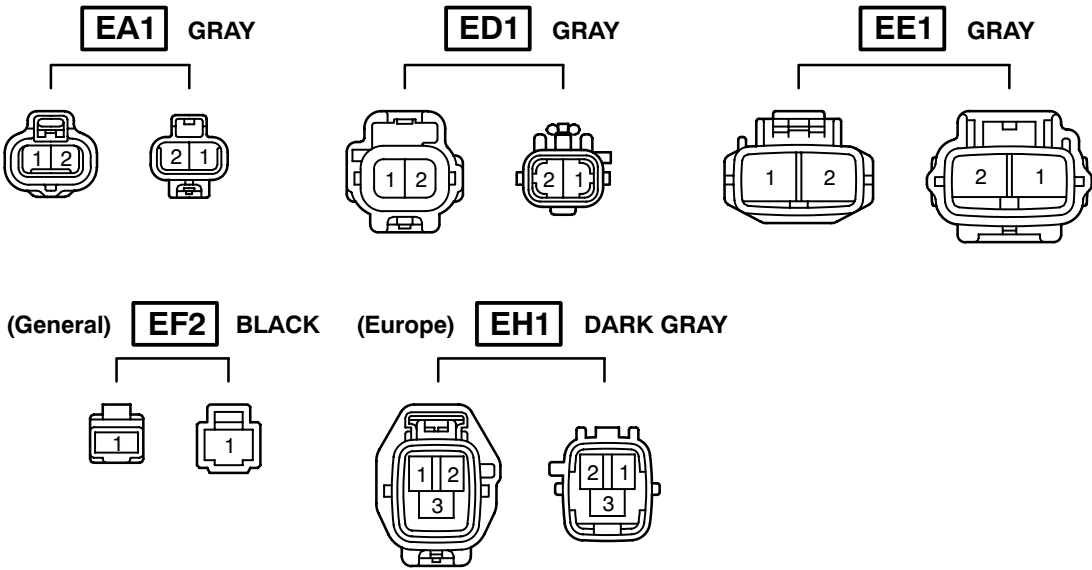
E ELECTRICAL WIRING ROUTING

- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points
- [LHD : 3L, 2L]



Connector Joining Wire Harness and Wire Harness



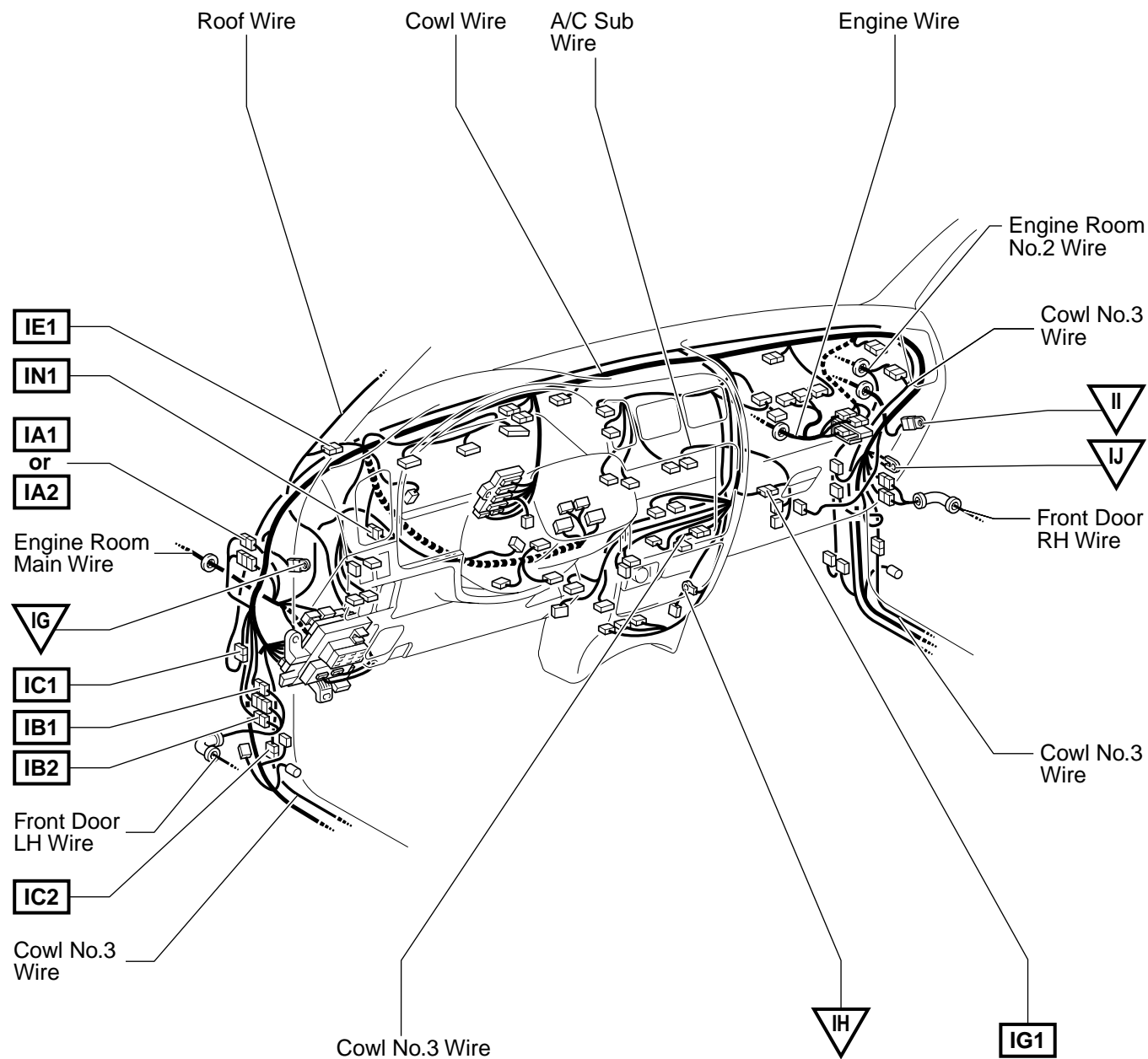
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
ED1	Cowl Wire and A/C Sub Wire (Front Right Fender Apron)
EE1	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
EF2	Engine No.4 Wire and Engine Room Main Wire (Near the Alternator)
EH1	Engine Room Main Wire and Engine No.4 Wire (Near the Alternator)

E ELECTRICAL WIRING ROUTING

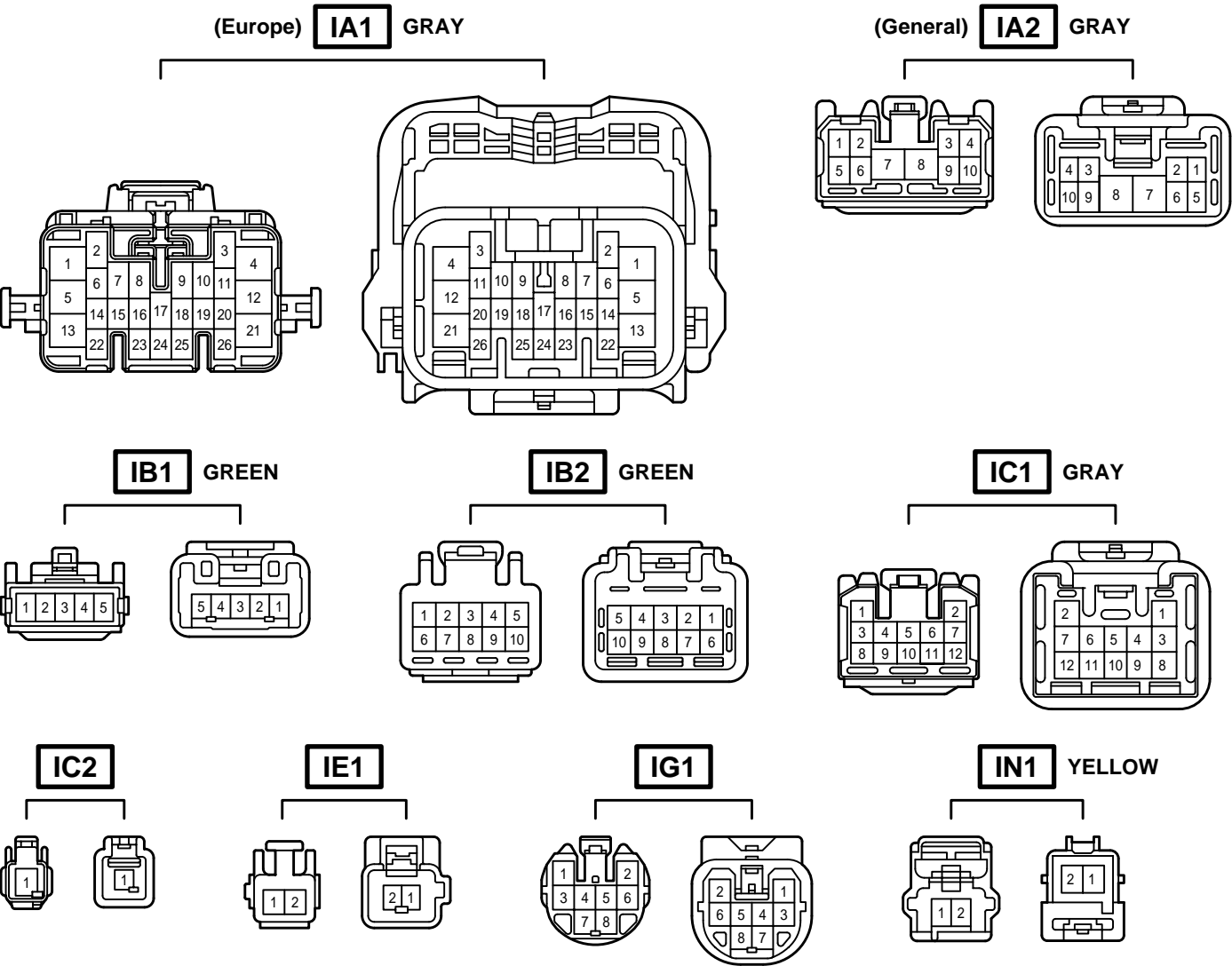
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[LHD]



Connector Joining Wire Harness and Wire Harness

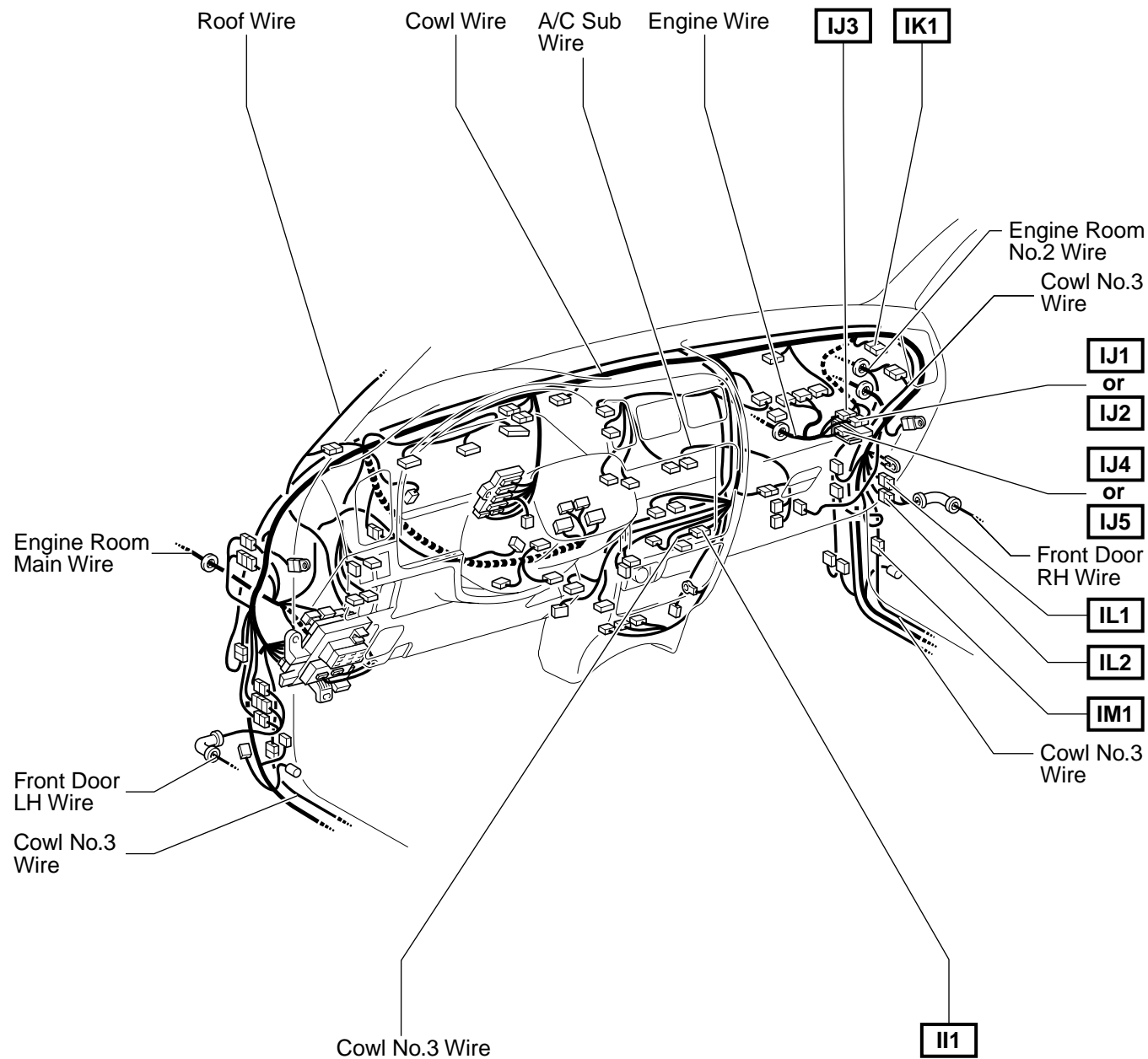


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Engine Room Main Wire and Cowl Wire (Cowl Side Panel LH)
IA2	
IB1	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IB2	
IC1	Cowl Wire and Cowl No.3 Wire (Left Kick Panel)
IC2	
IE1	Cowl Wire and Roof Wire (Instrument Panel Reinforcement Left)
IG1	Cowl Wire and A/C Sub Wire (Near the A/C Unit)
IN1	Engine Room Main Wire and Cowl Wire (Under the Combination Meter)

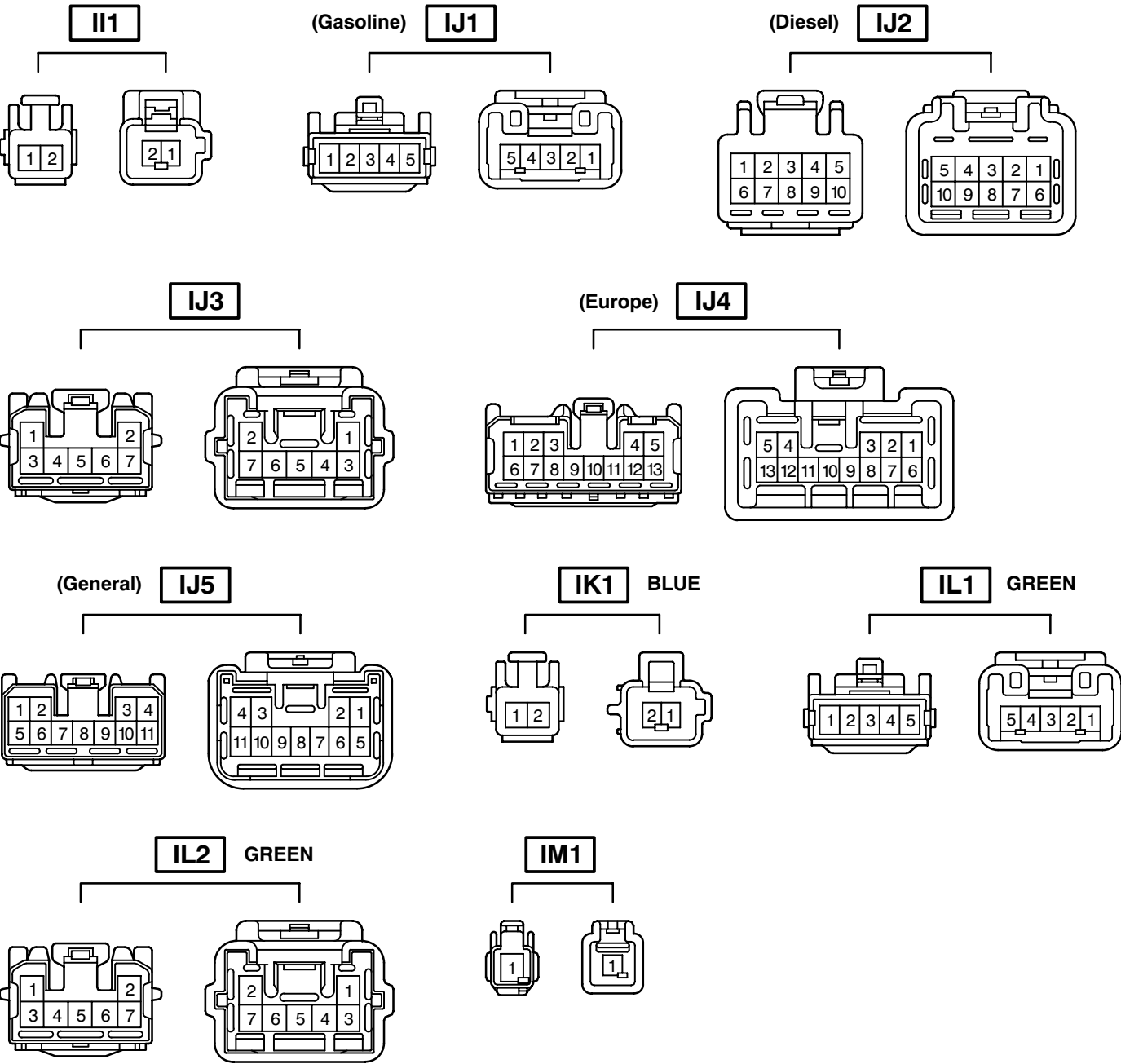
E ELECTRICAL WIRING ROUTING

 : Location of Connector Joining Wire Harness and Wire Harness

[LHD]

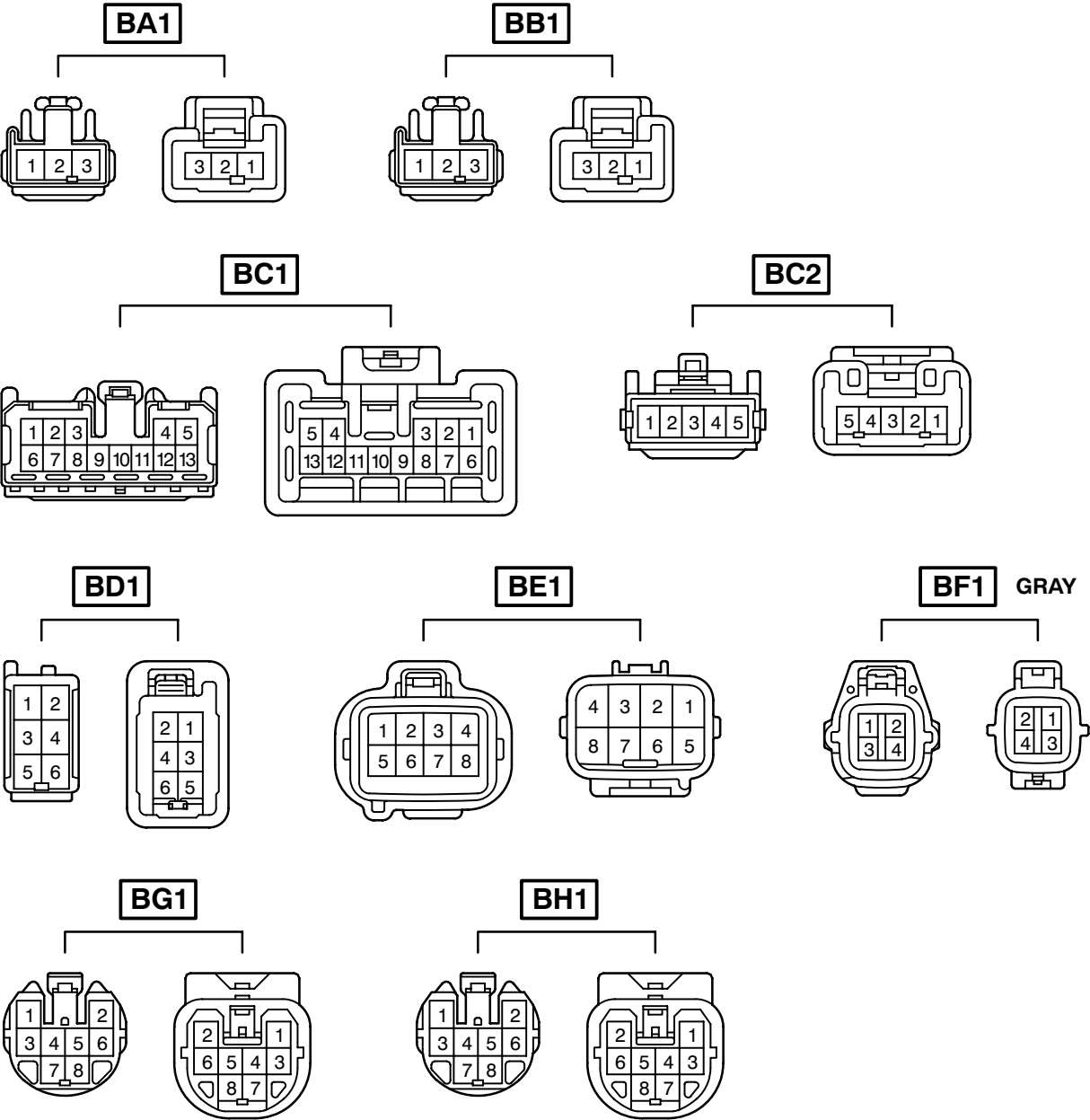


Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
II1	Cowl Wire and Cowl No.3 Wire (Behind the Ashtray)
IJ1	Engine Wire and Cowl Wire (Behind the Glove Box)
IJ2	
IJ3	
IJ4	
IJ5	
IK1	Engine Room No.2 Wire and Cowl No.3 Wire (Behind the Glove Box)
IL1	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL2	
IM1	Cowl Wire and Cowl No.3 Wire (Cowl Side Panel RH)

Connector Joining Wire Harness and Wire Harness



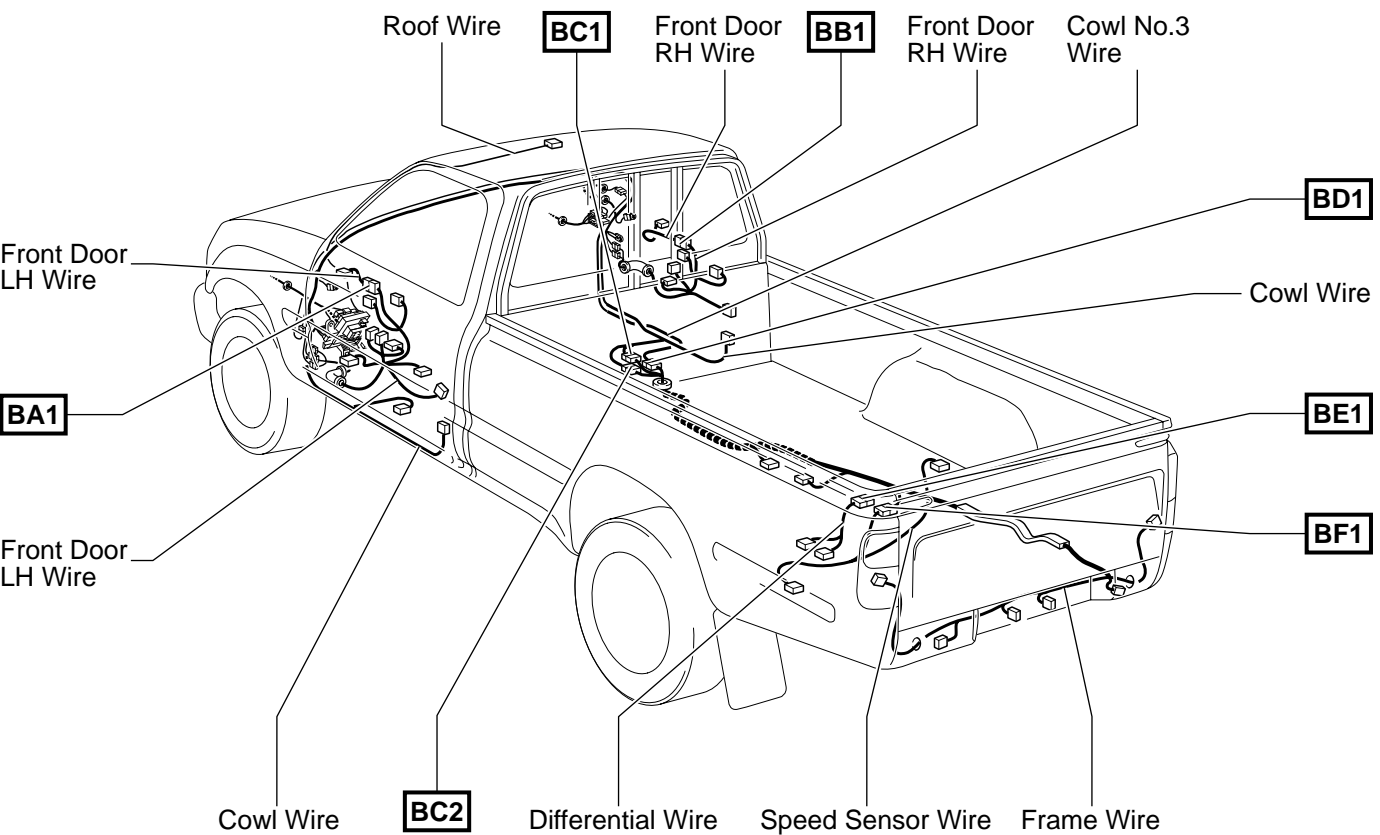
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Front Door LH Wire and Front Door LH Wire (Front LH Door Inside)
BB1	Front Door RH Wire and Front Door RH Wire (Front RH Door Inside)
BC1	Frame Wire and Cowl Wire (Under the Front Passenger's Seat)
BC2	Frame Wire and Cowl Wire (Under the Front Passenger's Seat)
BD1	Frame Wire and Cowl No.3 Wire (Under the Front Passenger's Seat)
BE1	Frame Wire and Differential Wire (Near the No.5 Cross Member)
BF1	Frame Wire and Speed Sensor Wire (Near the No.5 Cross Member)
BG1	Rear Door LH Wire and Cowl Wire (Left Center Pillar)
BH1	Rear Door RH Wire and Cowl Wire (Right Center Pillar)

E ELECTRICAL WIRING ROUTING

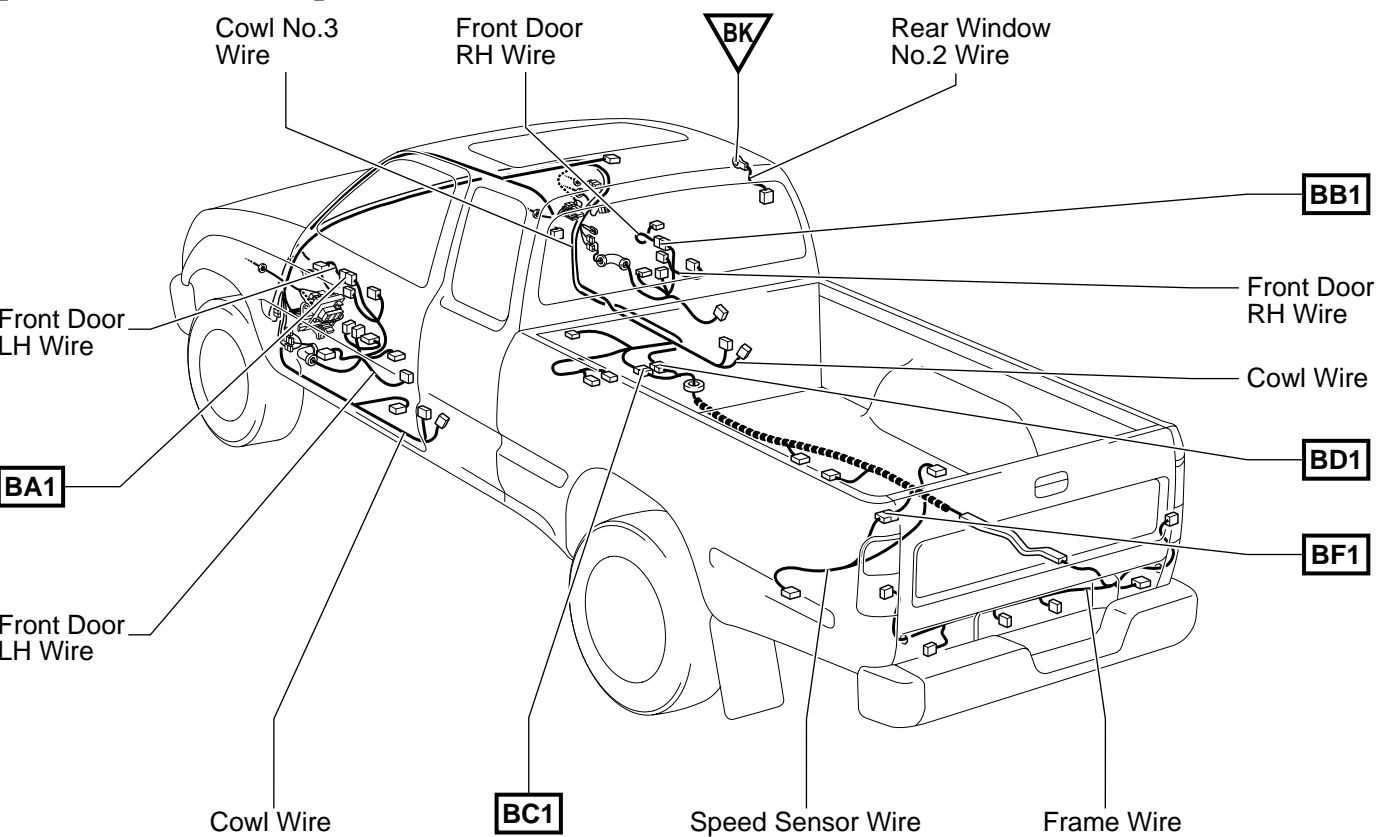
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

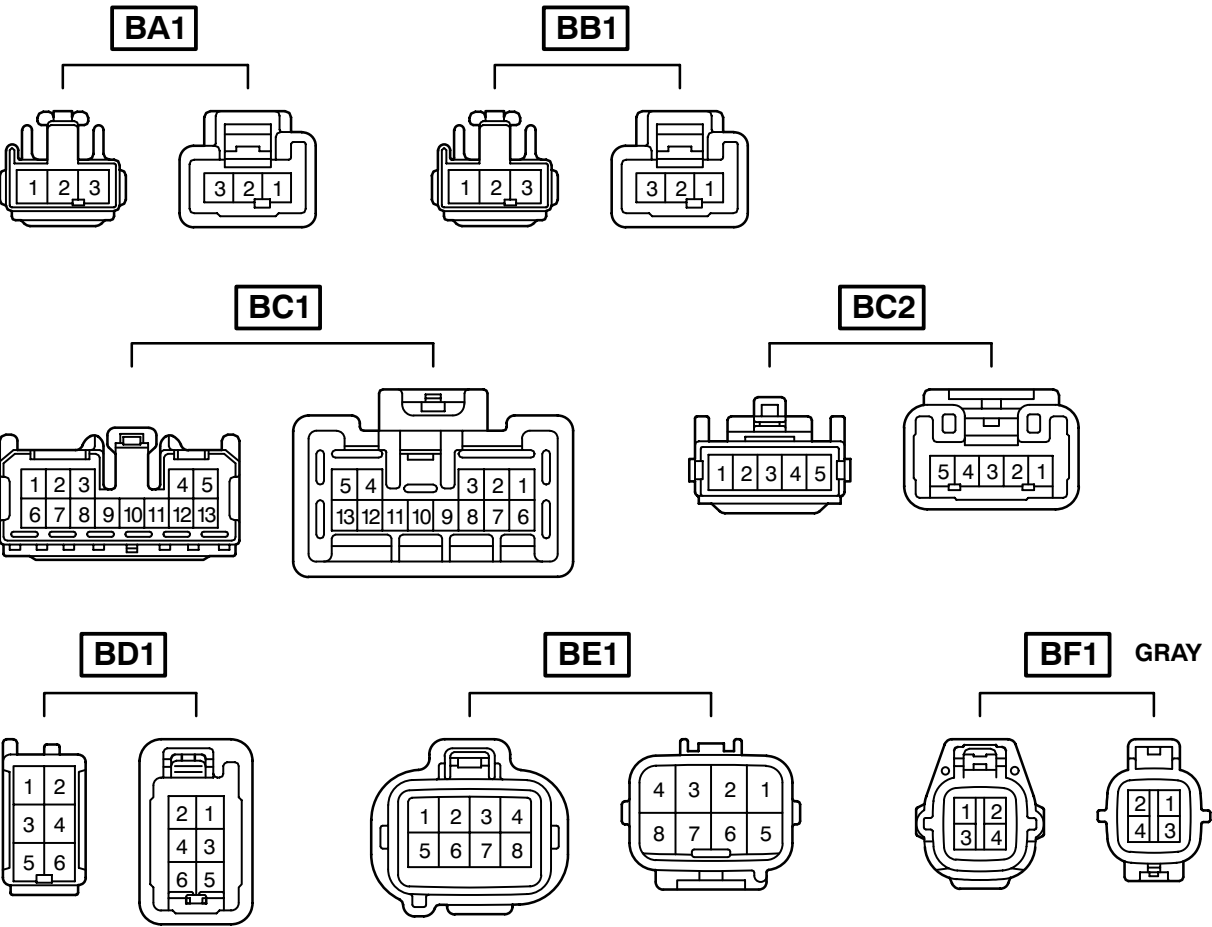
[LHD : Regular Cab]



[LHD : Extra Cab] [CLICK HERE TO VIEW CHAPTER INDEX](#)



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Front Door LH Wire and Front Door LH Wire (Front LH Door Inside)
BB1	Front Door RH Wire and Front Door RH Wire (Front RH Door Inside)
BC1	Frame Wire and Cowl Wire (Under the Front Passenger's seat)
BC2	
BD1	Frame Wire and Cowl No.3 Wire (Under the Front Passenger's Seat)
BE1	Frame Wire and Differential Wire (Near the No.5 Cross Member)
BF1	Frame Wire and Speed Sensor Wire (Near the No.5 Cross Member)

E ELECTRICAL WIRING ROUTING

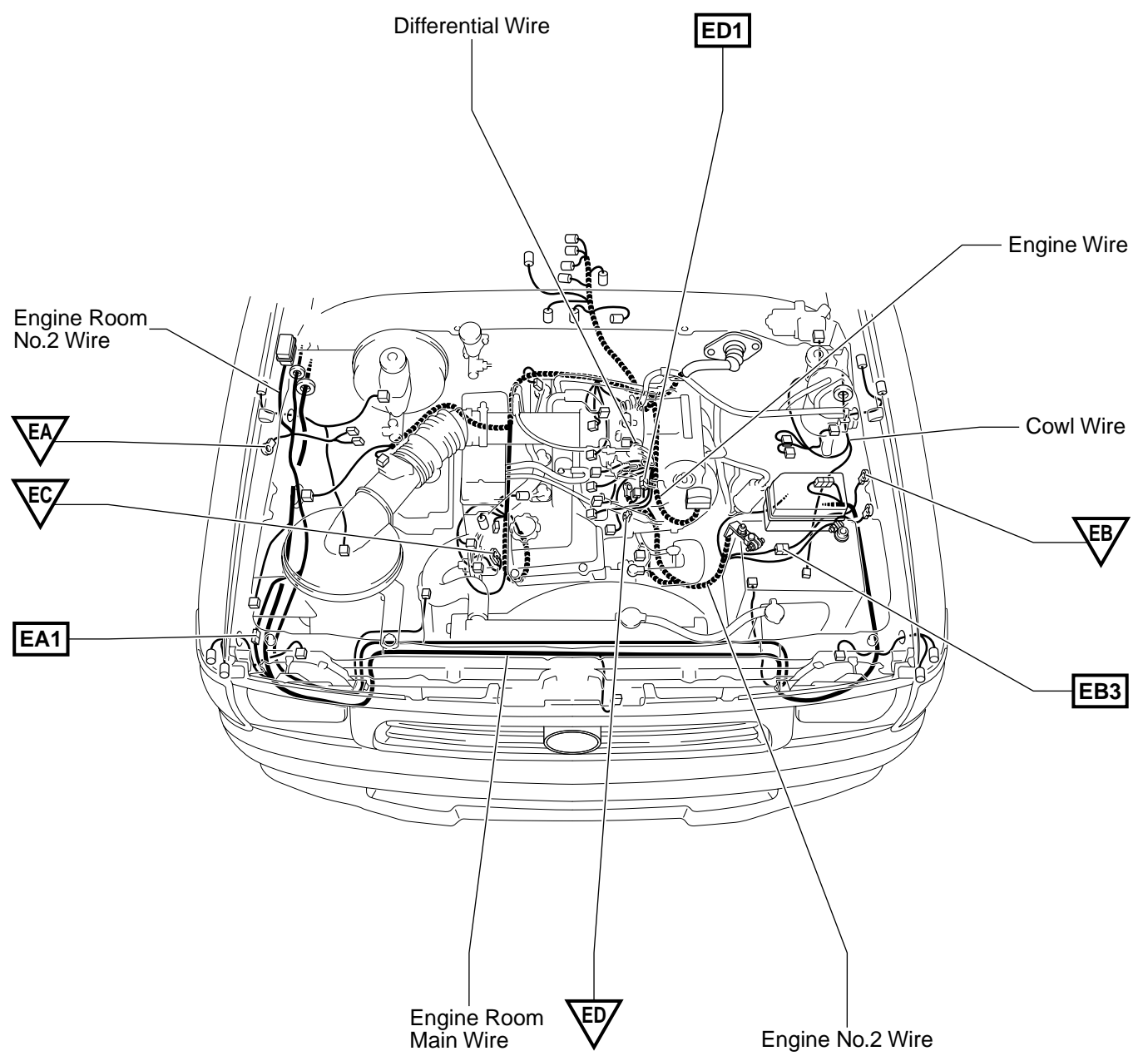
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 : Location of Connector Joining Wire Harness and Wire Harness

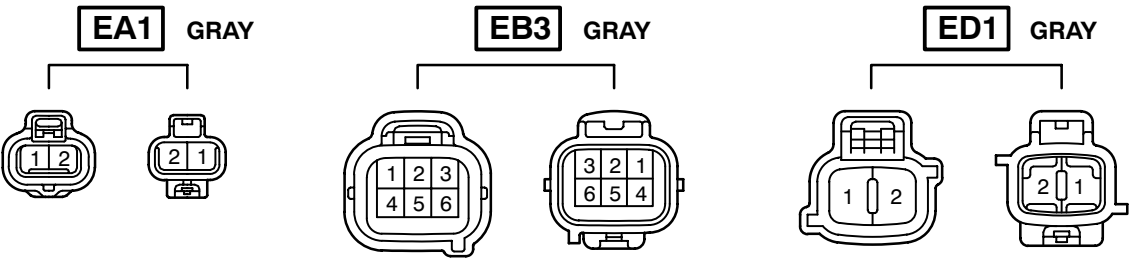
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 : Location of Ground Points

[RHD : 3RZ-FE]



Connector Joining Wire Harness and Wire Harness

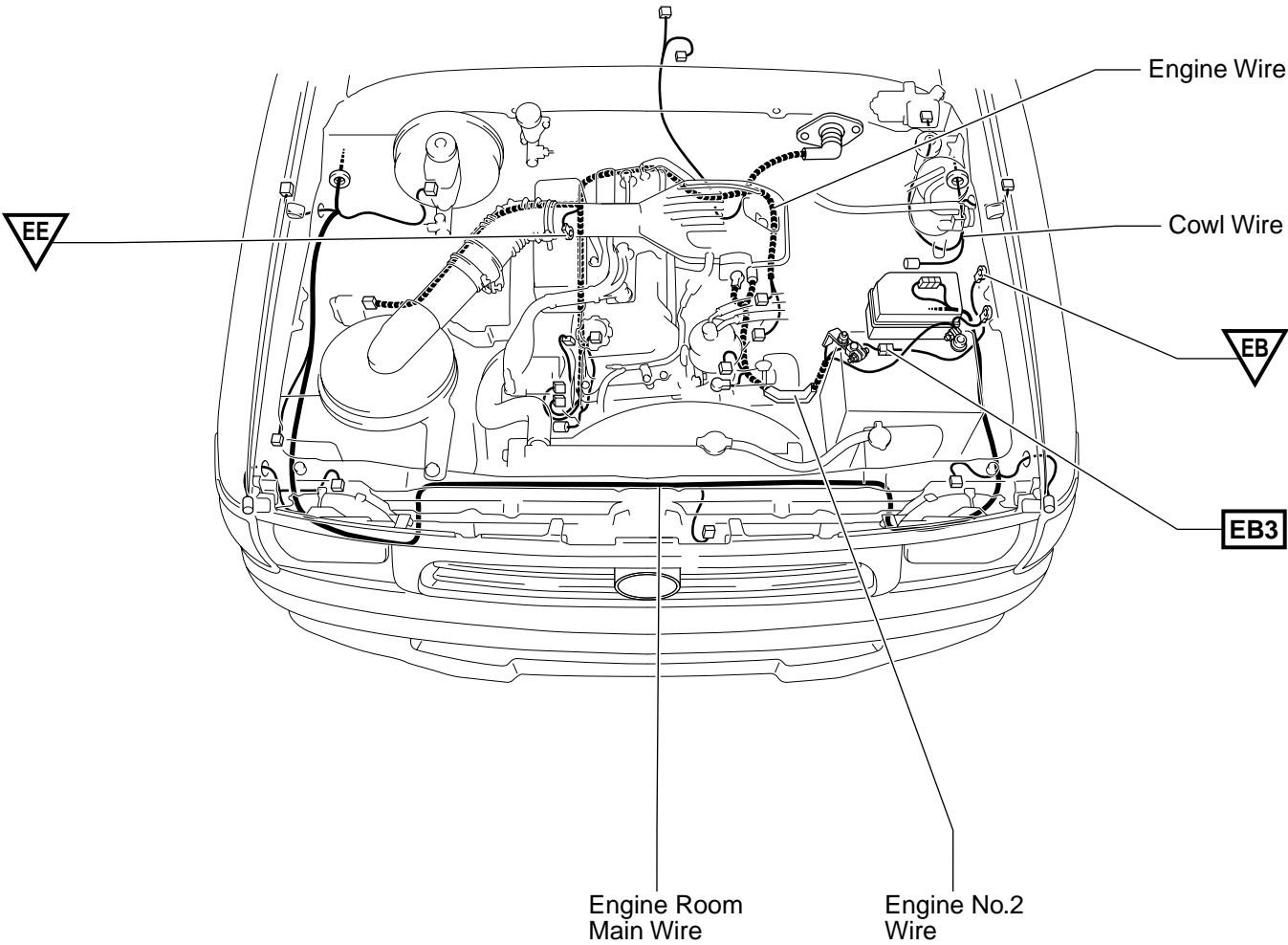


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB3	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)
ED1	Engine No.2 Wire and Differential Wire (Near the Starter)

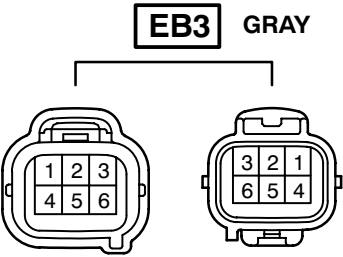
E ELECTRICAL WIRING ROUTING

- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points
- [RHD : 3RZ-F]



Connector Joining Wire Harness and Wire Harness



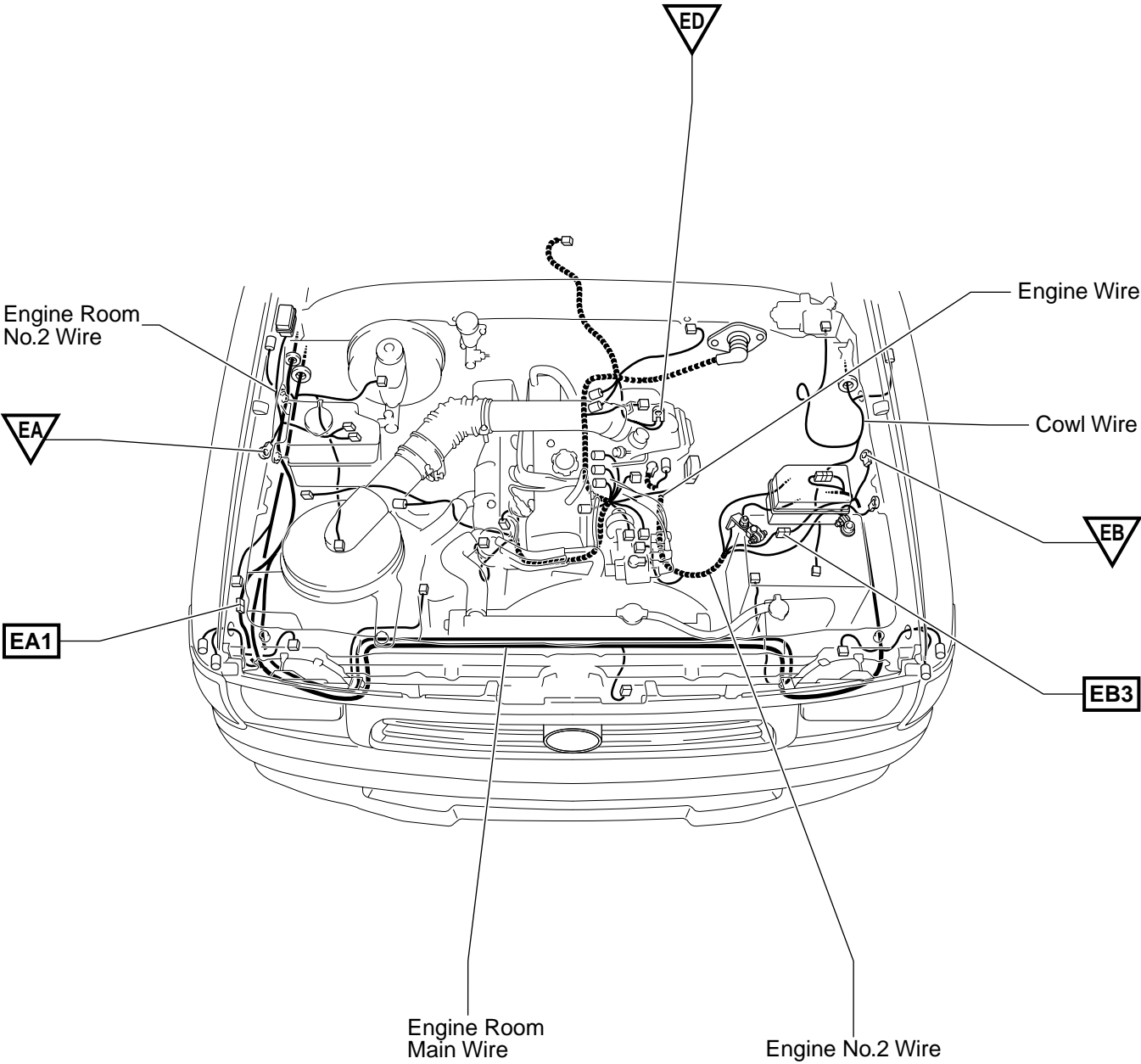
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB3	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

E ELECTRICAL WIRING ROUTING

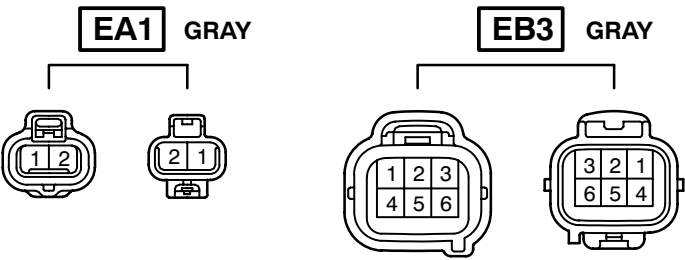
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[RHD : 1RZ-E]



Connector Joining Wire Harness and Wire Harness

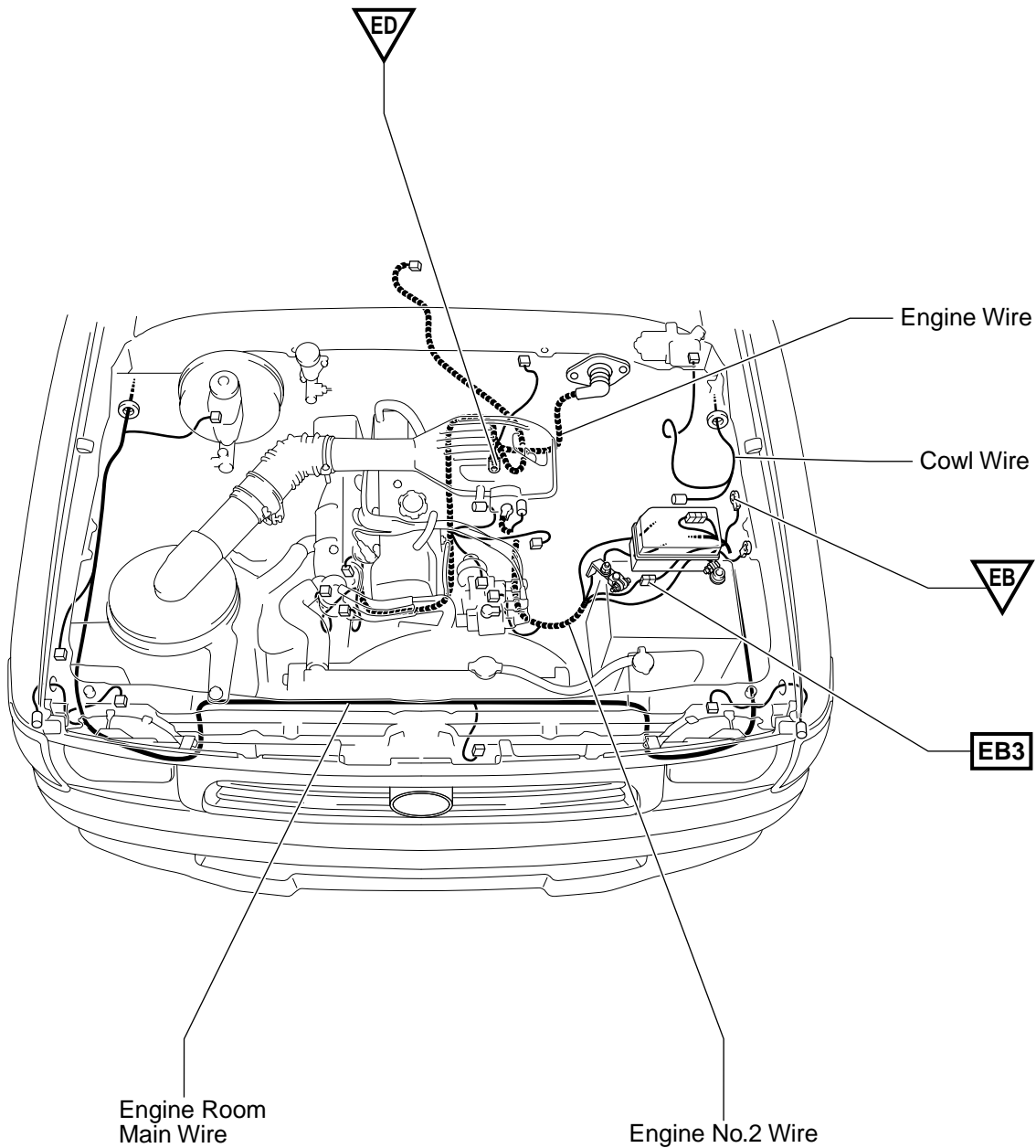


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB3	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

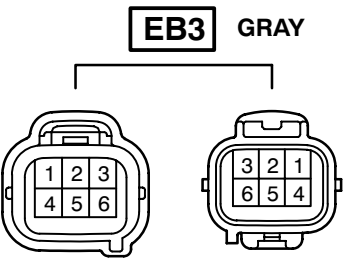
E ELECTRICAL WIRING ROUTING

□	: Location of Connector Joining Wire Harness and Wire Harness
▽	: Location of Ground Points

[RHD : 1RZ]



Connector Joining Wire Harness and Wire Harness

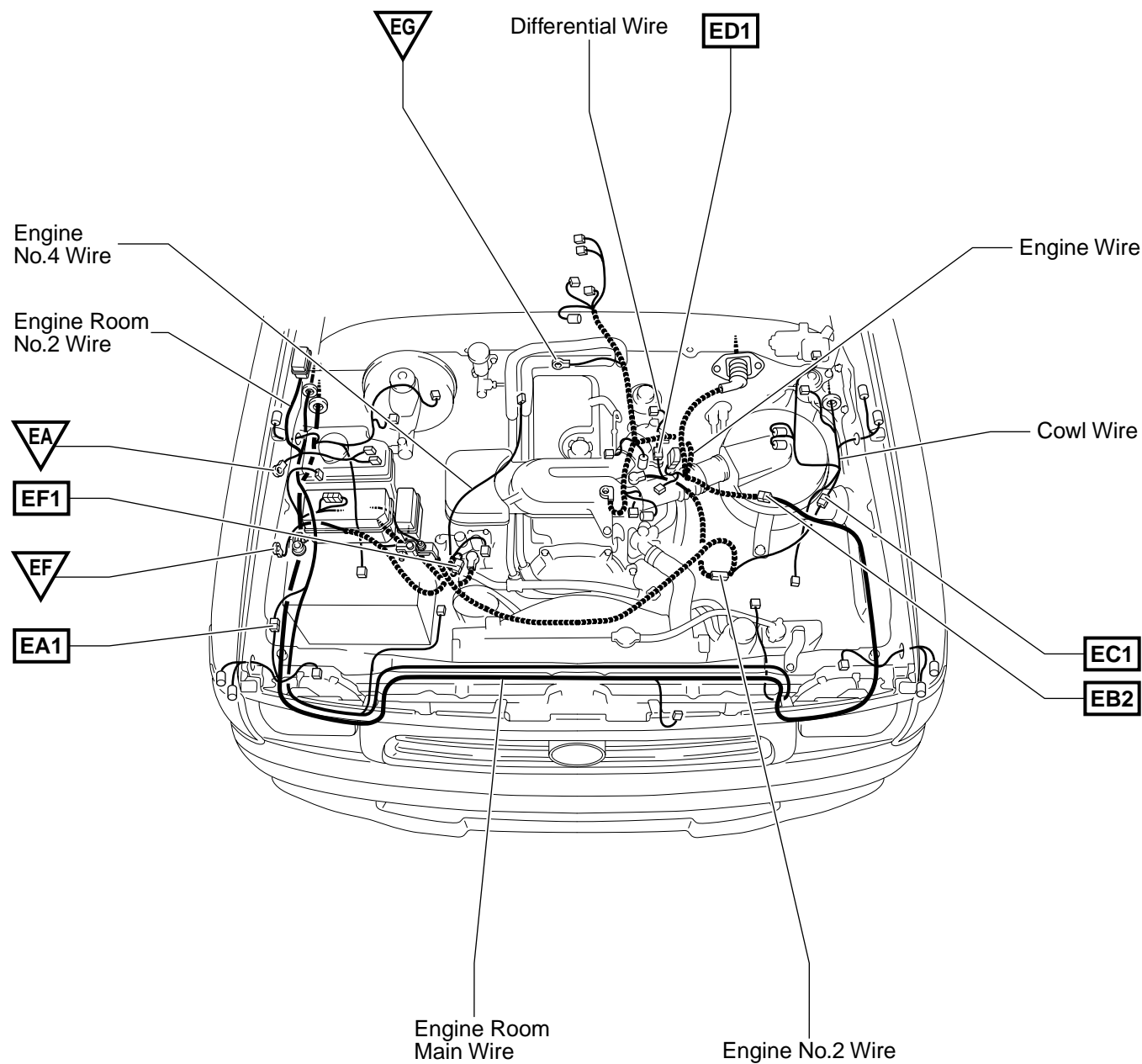


Code	Joining Wire Harness and Wire Harness (Connector Location)
EB3	Engine No.2 Wire and Engine Room Main Wire (Near the Engine Room R/B)

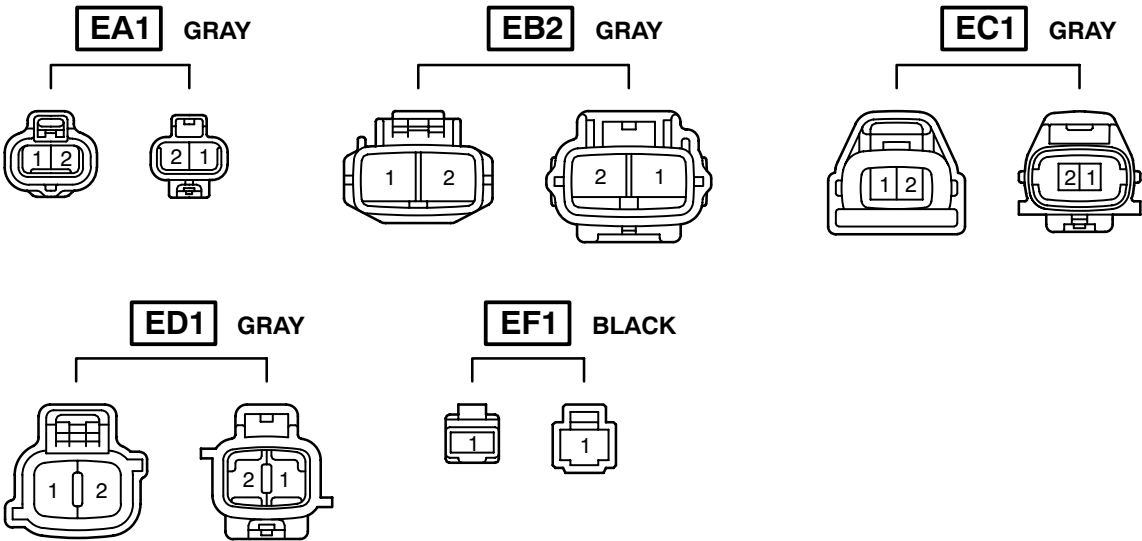
E ELECTRICAL WIRING ROUTING

- : Location of Connector Joining Wire Harness and Wire Harness
- ▽ : Location of Ground Points

[RHD : 5L]



Connector Joining Wire Harness and Wire Harness



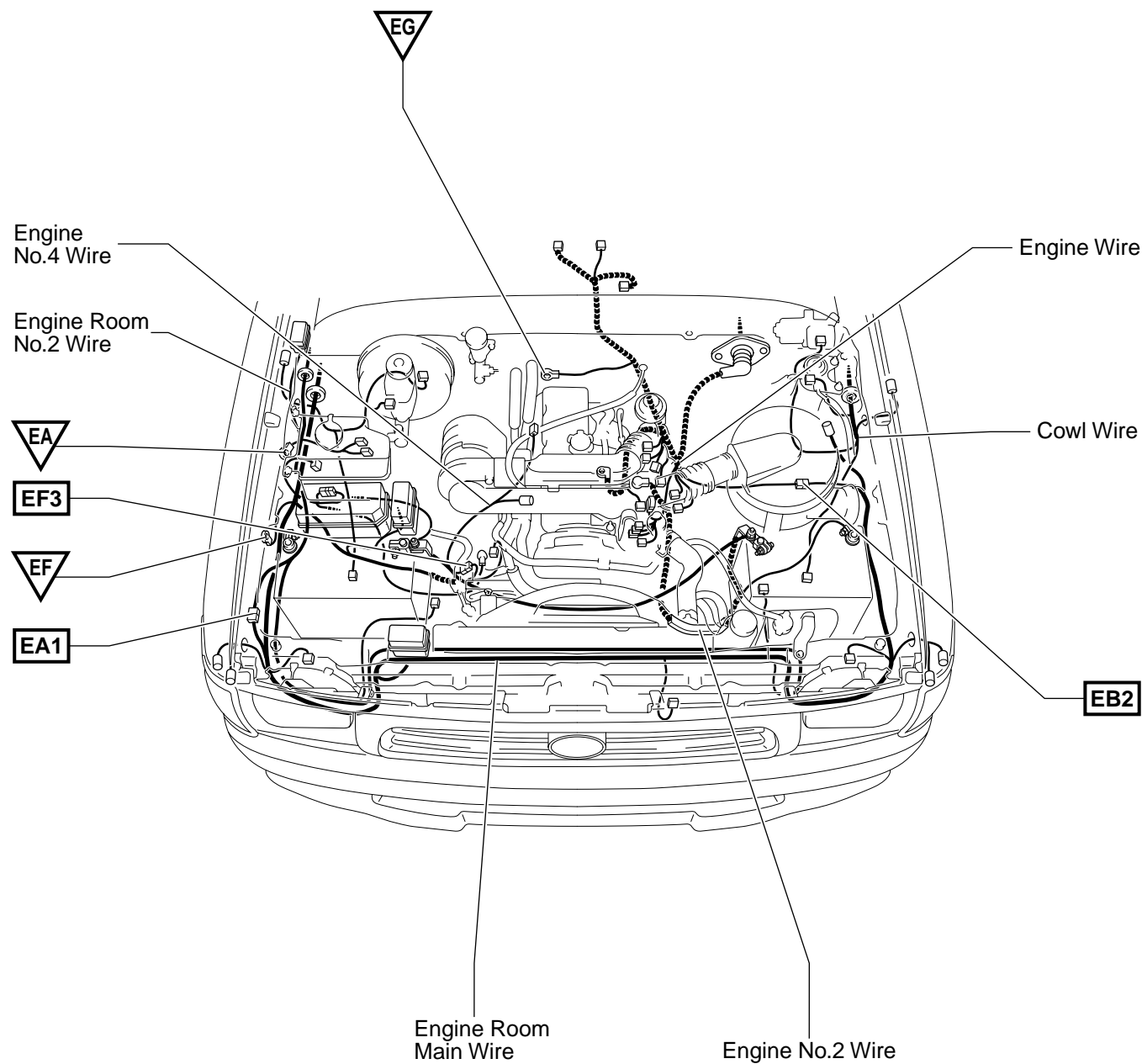
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB2	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
EC1	Engine No.2 Wire and Cowl Wire (Near the Engine Room R/B)
ED1	Engine No.2 Wire and Differential Wire (Near the Starter)
EF1	Engine No.4 Wire and Engine Room Main Wire (Near the Alternator)

E ELECTRICAL WIRING ROUTING

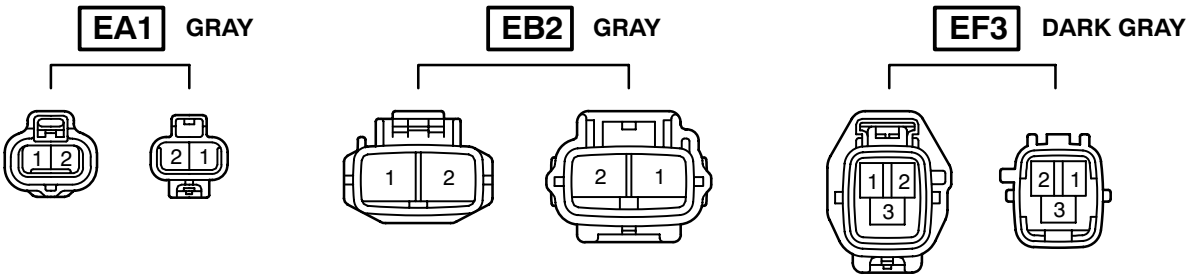
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[RHD : 2L-T]



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB2	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
EF3	Engine Room Main Wire and Engine No.4 Wire (Near the Alternator)

E ELECTRICAL WIRING ROUTING

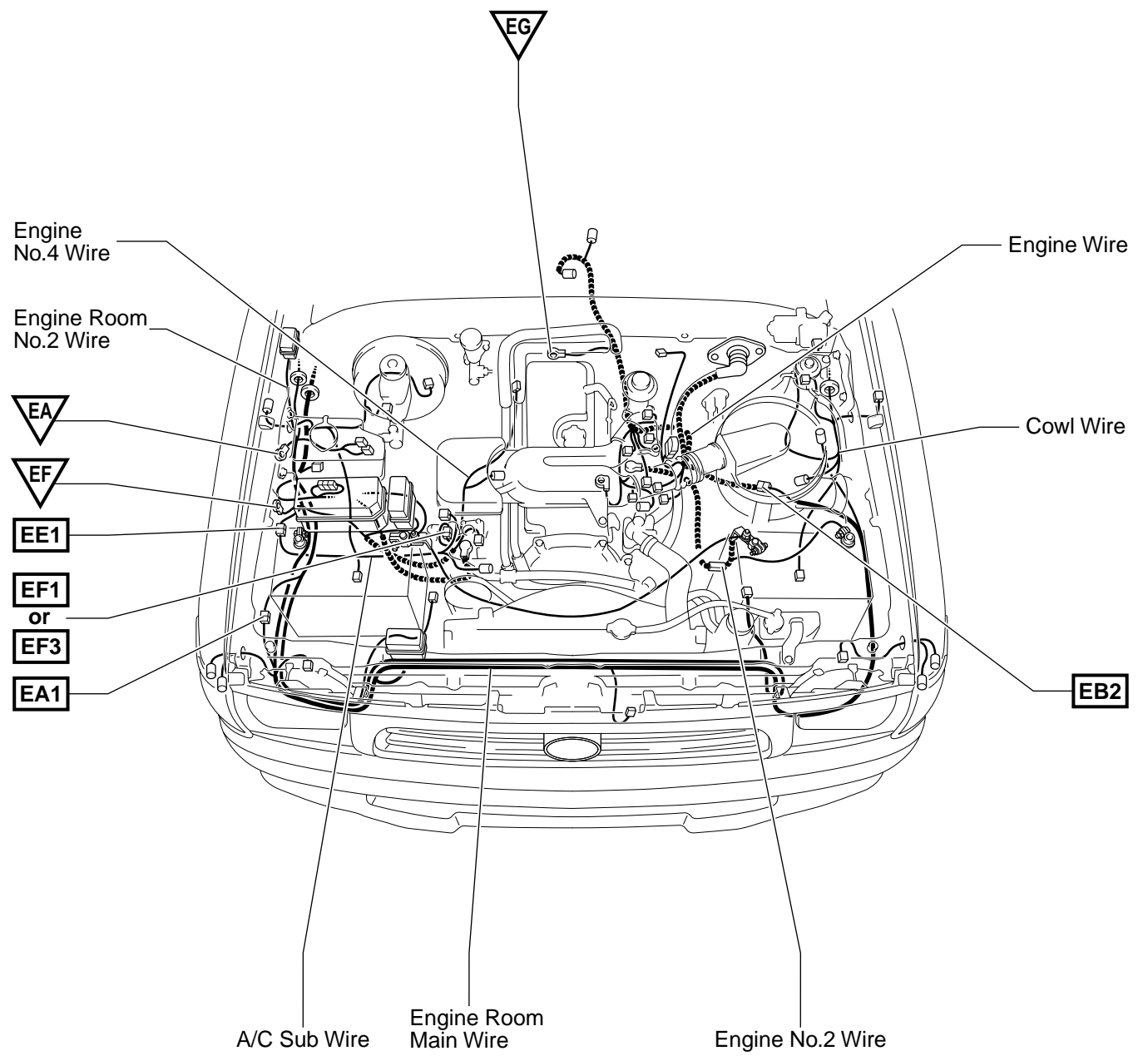
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 : Location of Connector Joining Wire Harness and Wire Harness

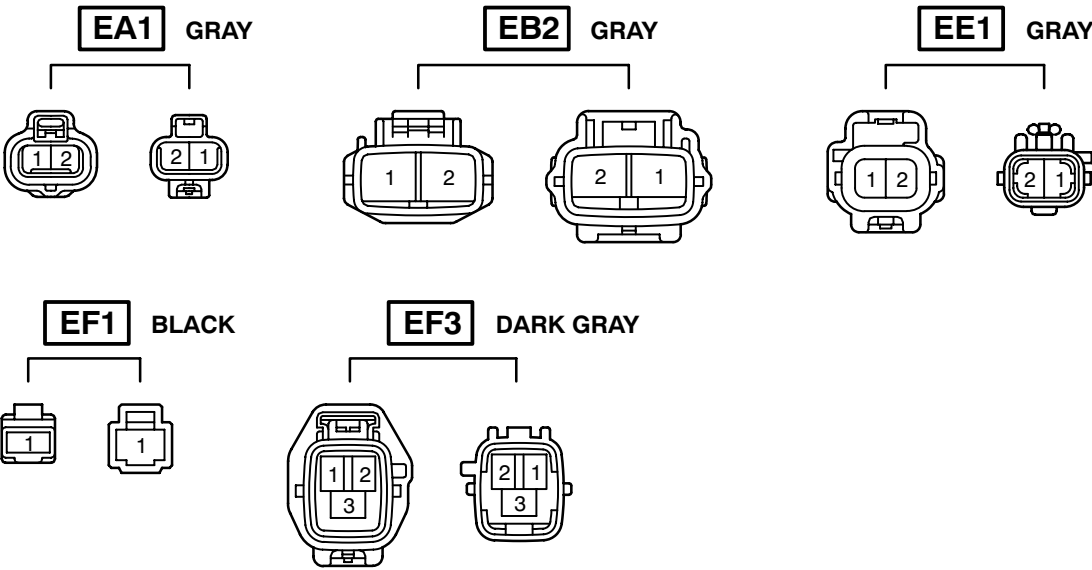
▽

 : Location of Ground Points

[RHD : 3L, 2L]



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB2	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
EE1	Engine Room Main Wire and A/C Sub Wire (Near the Battery)
EF1	Engine No.4 Wire and Engine Room Main Wire (Near the Alternator)
EF3	Engine Room Main Wire and Engine No.4 Wire (Near the Alternator)

E ELECTRICAL WIRING ROUTING

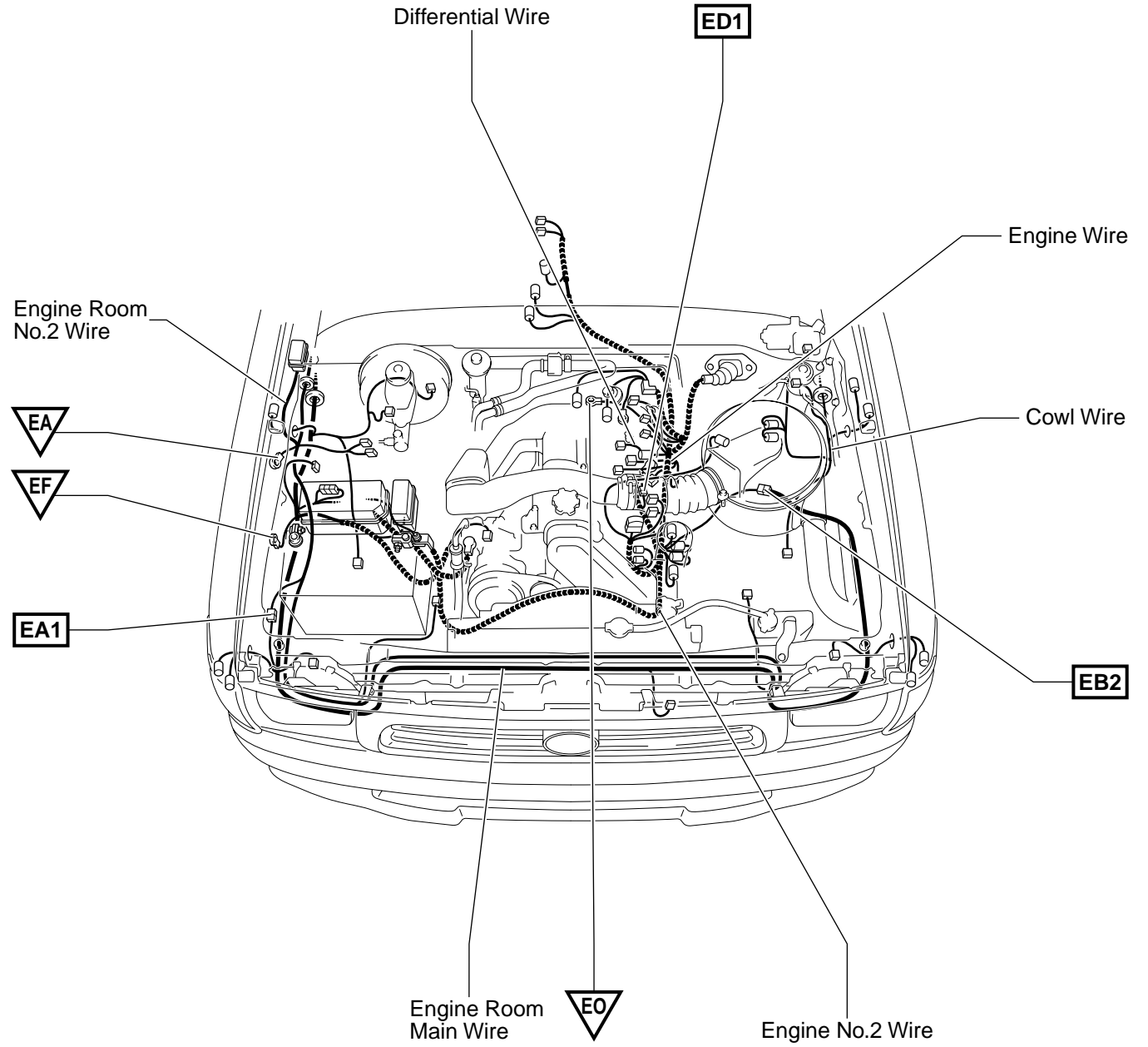
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 : Location of Connector Joining Wire Harness and Wire Harness

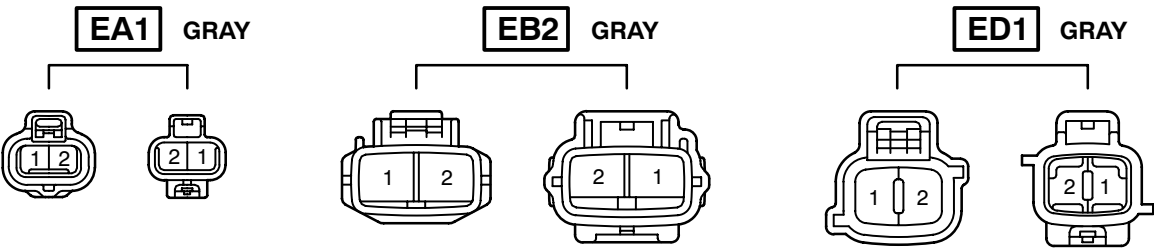
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 : Location of Ground Points

[RHD : 1KZ-TE]



Connector Joining Wire Harness and Wire Harness



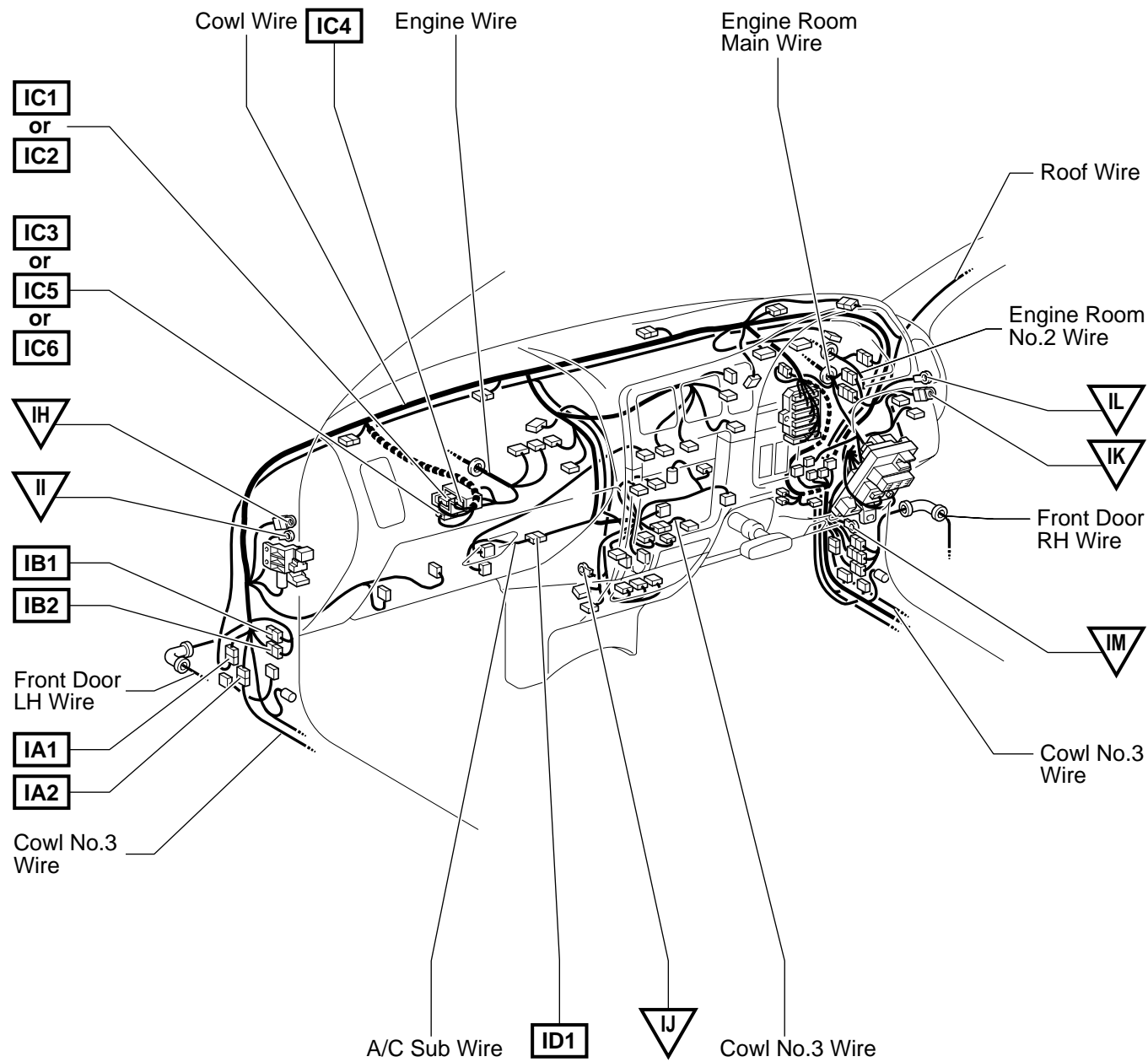
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room No.2 Wire and Engine Room Main Wire (Front Right Fender Apron)
EB2	Engine Room Main Wire and Engine Wire (Near the Engine Room R/B)
ED1	Engine No.2 Wire and Differential Wire (Near the Starter)

E ELECTRICAL WIRING ROUTING

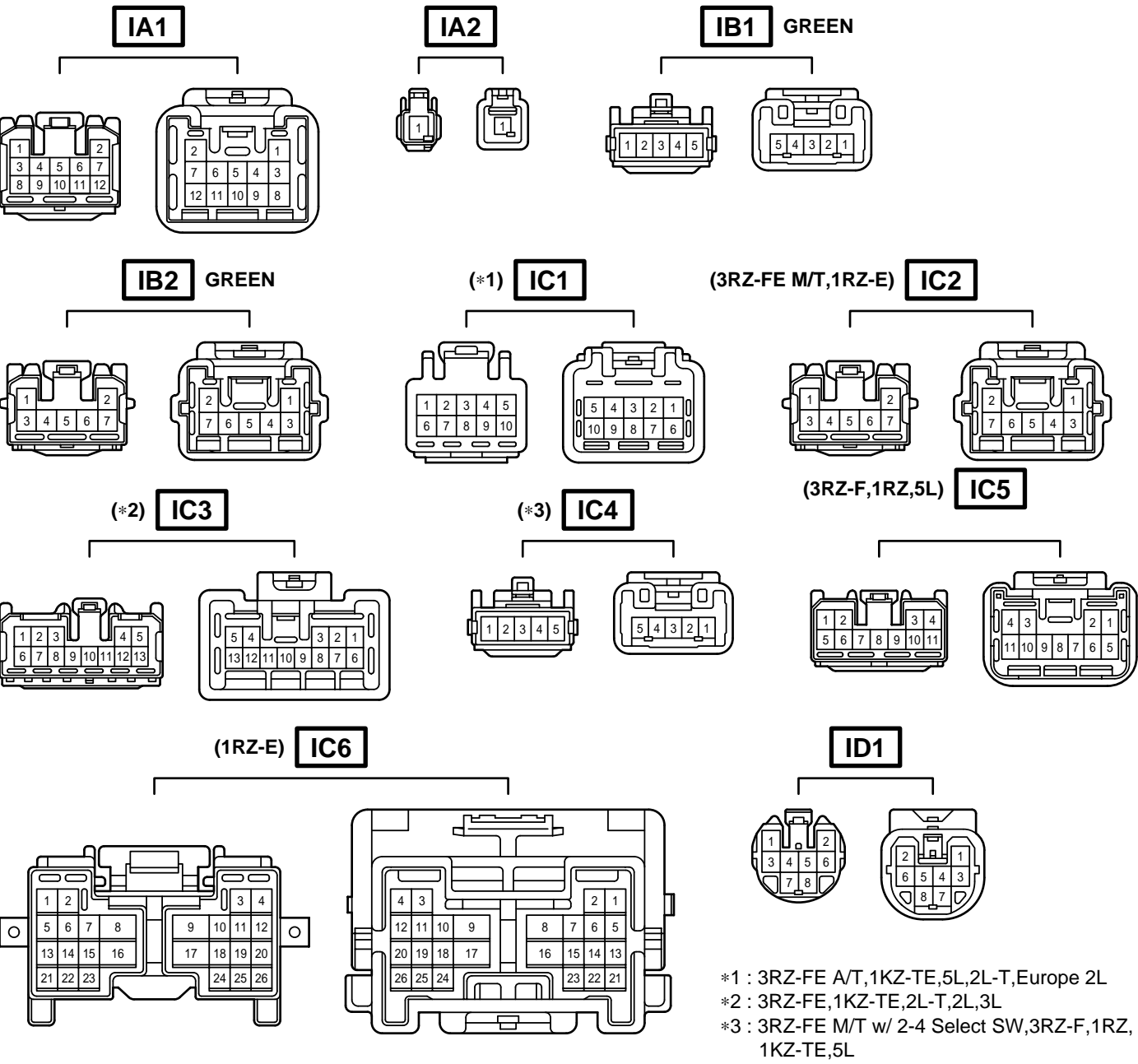
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[RHD]



Connector Joining Wire Harness and Wire Harness

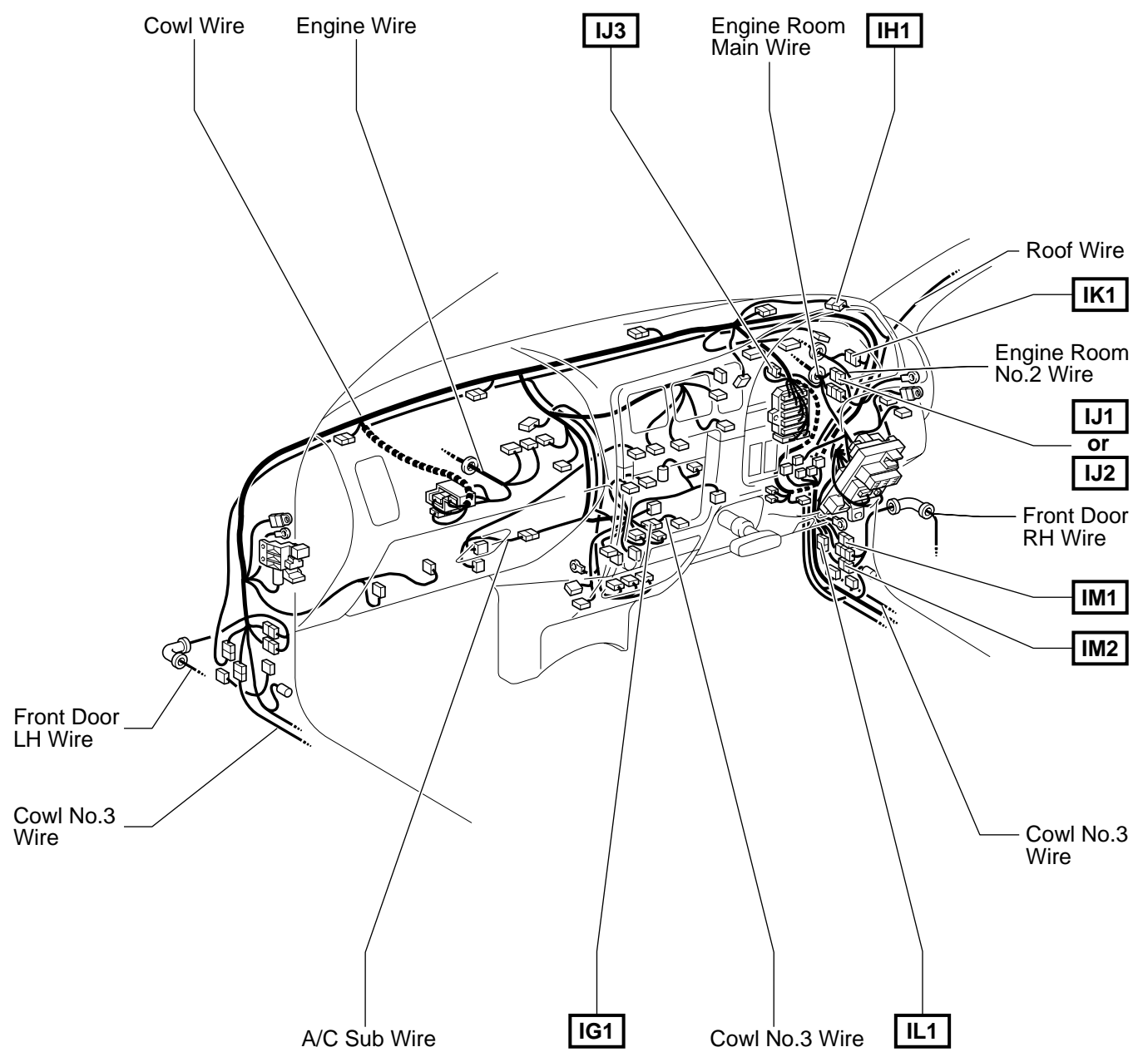


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Cowl Wire and Cowl No.3 Wire (Left Kick Panel)
IA2	
IB1	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IB2	
IC1	Engine Wire and Cowl Wire (Behind the Glove Box)
IC2	
IC3	
IC4	
IC5	
IC6	
ID1	Cowl Wire and A/C Sub Wire (Near the A/C Unit)

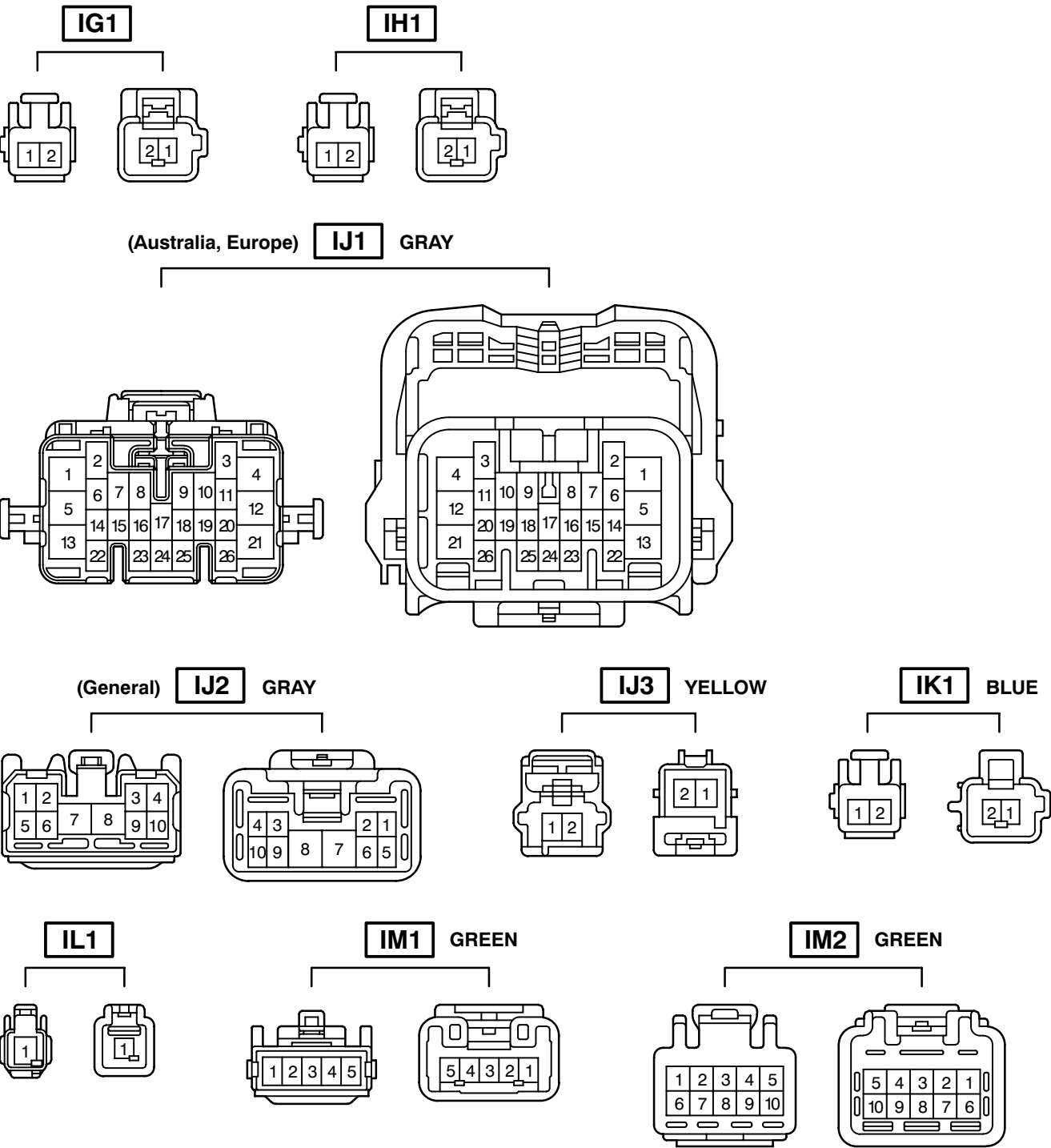
E ELECTRICAL WIRING ROUTING

 : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



Connector Joining Wire Harness and Wire Harness



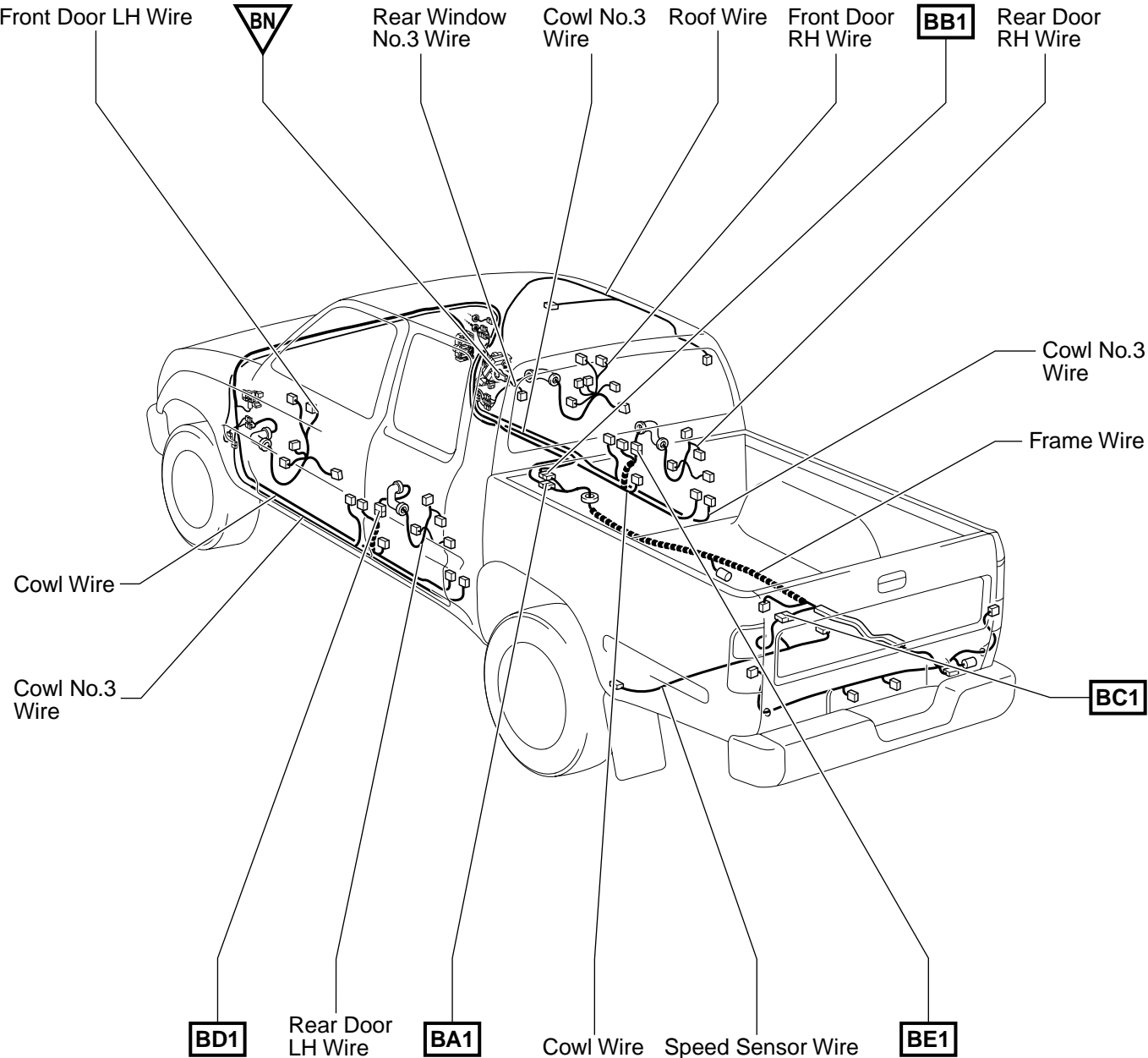
Code	Joining Wire Harness and Wire Harness (Connector Location)
IG1	Cowl Wire and Cowl No.3 Wire (Behind the Ashtray)
IH1	Cowl Wire and Roof Wire (Instrument Panel Reinforcement Right)
IJ1	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IJ2	Engine Room No.2 Wire and Cowl Wire (Cowl Side Panel RH)
IK1	Engine Room No.2 Wire and Cowl No.3 Wire (Cowl Side Panel RH)
IL1	Cowl Wire and Cowl No.3 Wire (Right Kick Panel)
IM1	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM2	

E ELECTRICAL WIRING ROUTING

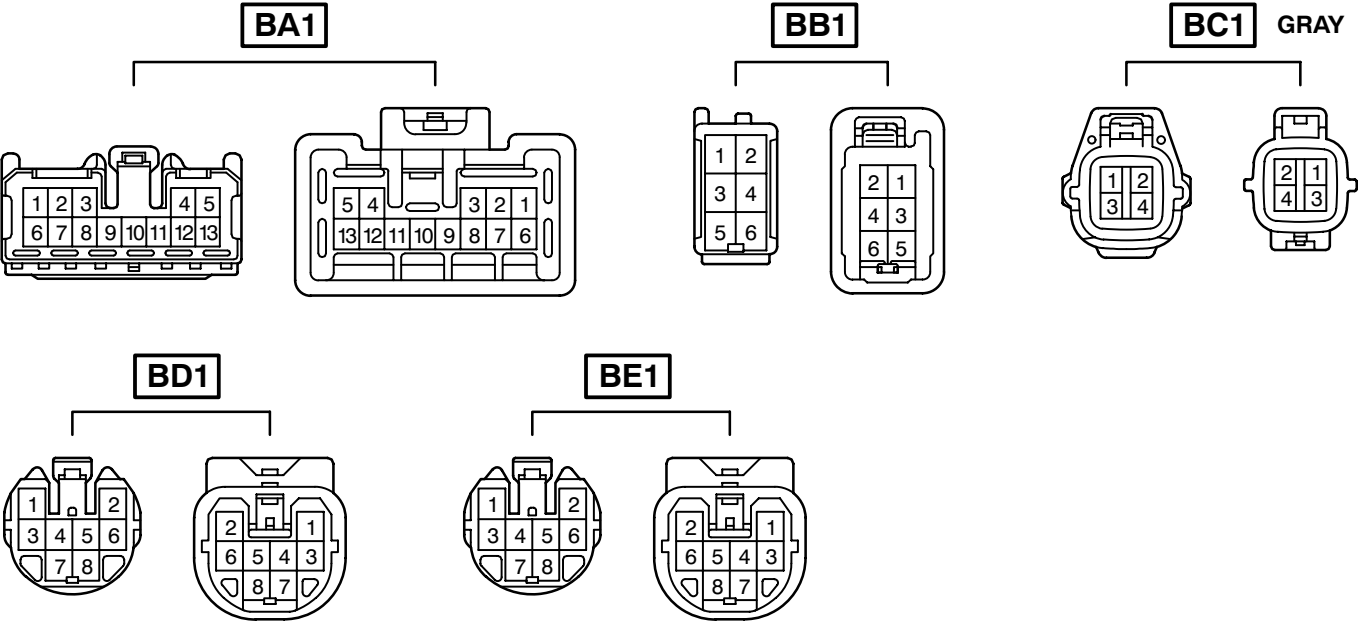
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : Double Cab]



Connector Joining Wire Harness and Wire Harness

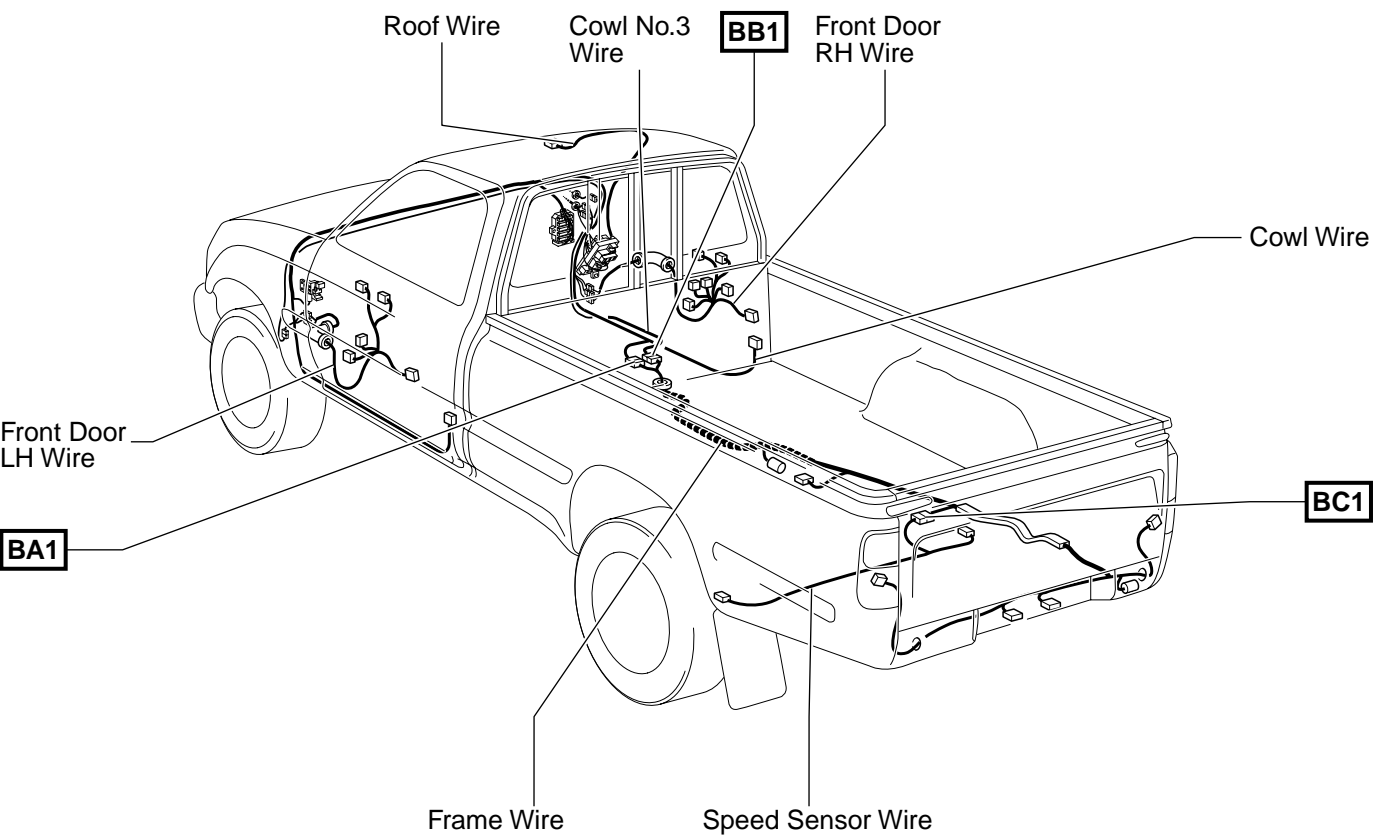


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Frame Wire and Cowl Wire (Under the Driver's Seat)
BB1	Frame Wire and Cowl No.3 Wire (Under the Driver's Seat)
BC1	Frame Wire and Speed Sensor Wire (Near the No.5 Cross Member)
BD1	Rear Door LH Wire and Cowl Wire (Left Center Pillar)
BE1	Rear Door RH Wire and Cowl Wire (Right Center Pillar)

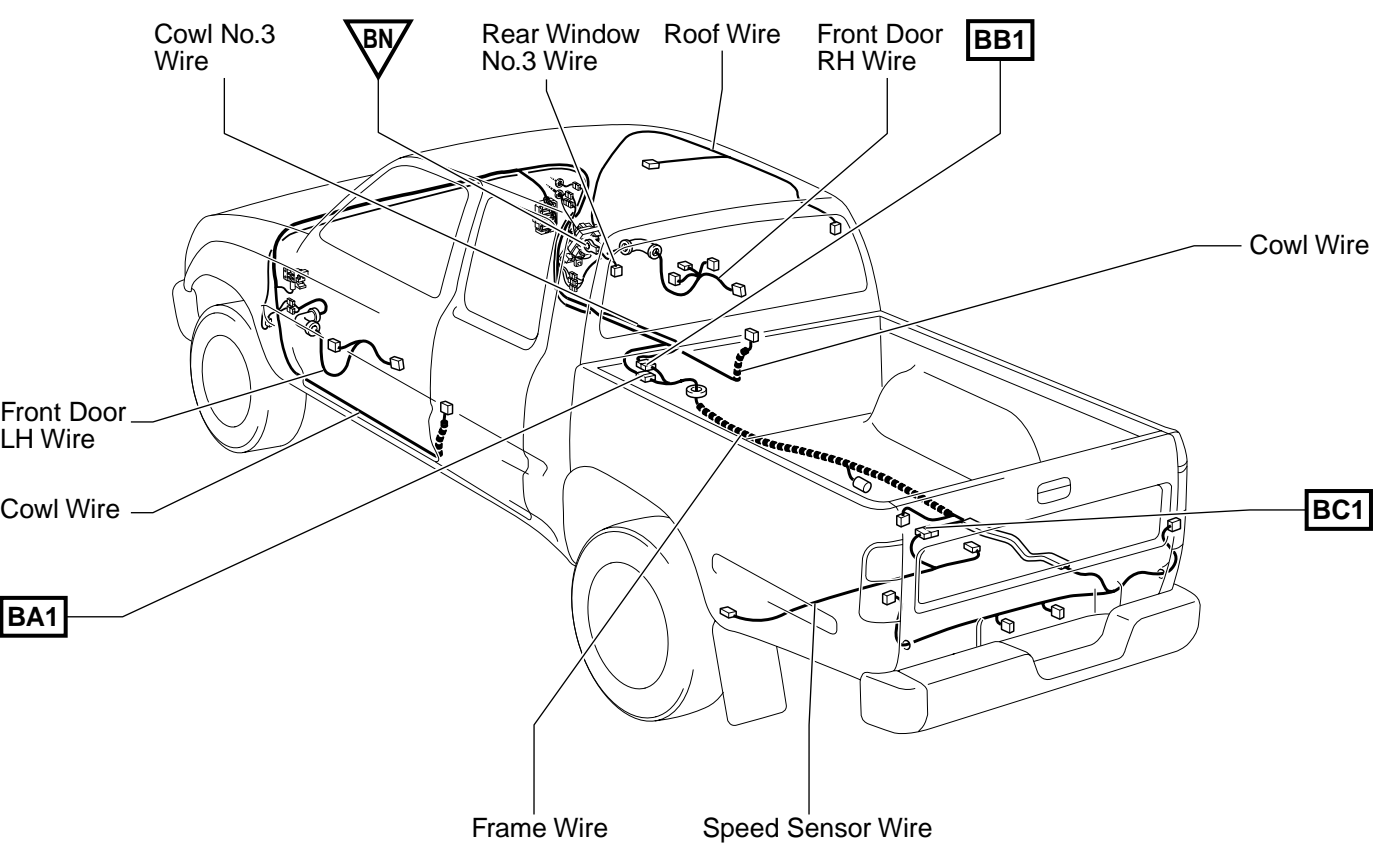
E ELECTRICAL WIRING ROUTING

- : Location of Connector Joining Wire Harness and Wire Harness
- ▽ : Location of Ground Points

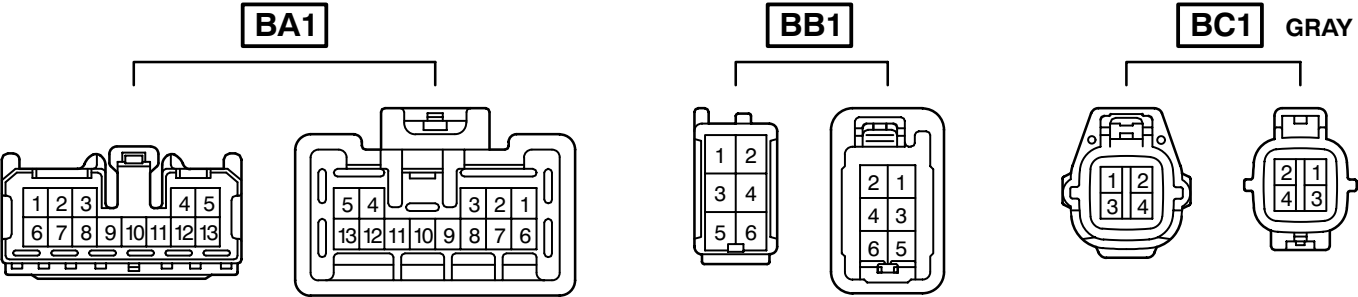
[RHD : Regular Cab]



[RHD : Extra Cab] [CLICK HERE TO VIEW CHAPTER INDEX](#)



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Frame Wire and Cowl Wire (Under the Driver's Seat)
BB1	Frame Wire and Cowl No.3 Wire (Under the Driver's Seat)
BC1	Frame Wire and Speed Sensor Wire (Near the No.5 Cross Member)

CONNECTOR LIST:

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1. A1 GRAY PG104
2. A2 GRAY PG104
3. A3 GRAY PG104
4. A4 GRAY PG104
5. A5 GRAY PG104
6. A6 GRAY PG104
7. A7 GRAY PG104
8. A8 GRAY PG104
9. A9 BLACK PG104
10.A10 BLACK PG104
11.A11 PG104
12.A12 GRAY PG104
13.A13 BLACK PG104
14.A14 BLACK PG104
15.A15 PG104
16.A16 PG104
17.A17 BLACK PG104
18.A18 PG104
19.A19 PG104
20.A20 PG104
21.A24 YELLOW PG104
22.A25 YELLOW PG104
23.A26 BLACK PG104
24.A27 PG104
25.A28 GRAY PG104
26.A29 GRAY PG104
27.A30 GRAY PG104
28.A31 GRAY PG104
29.B1 GRAY PG104
30.B2 GRAY PG104
31.B3 BLACK PG104
32.B4 BLACK PG104
33.B5 BLACK PG105
34.B6 (EXCEPT GENERAL) PG105
35.B6 (GENERAL) BLACK PG105
36.B7 PG105
37.C1 BLACK PG105
38.C2 DARK GRAY PG105
39.C3 (3RZ-F, 1RZ, 5L, 3L, 2L) BLACK PG105
40.C3 (3RZ-FE, 2RZ-FE, EUROPE DIESEL) BLACK PG105
41.C4 DRAK GRAY PG105
42.C5 PG105



CONNECTOR LIST:

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43.C6 GRAY PG105
44.C7 PG105
45.C8 PG105
46.C9 PG105
47.C10 BLUE PG105
48.C11 BROWN PG105
49.C12 BLACK PG105
50.C13 (LHD, RHD EUROPE) PG105
51.C13 (RHD EXCEPT EUROPE) PG105
52.C14 PG105
53.C15 (LHD) GRAY PG105
54.C15 (RHD) BLACK PG105
55.C16 YELLOW PG105
56.C17 YELLOW PG106
57.C18 YELLOW PG106
58.C19 BLACK PG106
59.C20 BLACK PG106
60.D1 GRAY PG106
61.D1 GRAY PG106
62.D2 BLUE PG106
63.D3 BLUE PG106
64.D4 PG106
65.D5 BLACK PG106
66.D6 PG106
67.D7 PG106
68.D8 PG106
69.D9 PG106
70.D10 BLACK PG106
71.D11 PG106
72.D11 PG106
73.D12 PG106
74.D12 PG106
75.D13 GRAY PG106
76.D14 PG106
77.D15 PG106
78.D16 GRAY PG106
79.D17 PG106
80.D18 BLACK PG106
81.D19 BLACK PG106
82.D20 BLACK PG106
83.D21 BLACK PG107
84.D22 PG107
85.D23 PG107
86.D24 PG107
87.D25 PG107



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88.D26 PG107
89.E1 BLACK PG107
90.E2 GRAY PG107
91.E3 (3RZ-F) DARK GRAY PG107
92.E3 (1RZ) DARK GRAY PG107
93.E4 PG107
94.E5 PG107
95.E6 PG107
96.E7 PG107
97.F1 GRAY PG107
98.F2 GRAY PG107
99.F3 GRAY PG107
100. F4 GRAY PG107
101. F5 PG107
102. F6 PG107
103. F7 PG107
104. F8 PG107
105. F9 GRAY PG107
106. F10 GRAY PG107
107. F11 PG107
108. F12 GRAY PG107
109. F13 PG107
110. F14 GRAY PG107
111. F15 YELLOW PG107
112. F16 YELLOW PG107
113. F17 BLACK PG107
114. F18 DARK GRAY PG107
115. G1 PG107
116. G2 BLACK PG107
117. H1 GRAY PG107
118. H2 GRAY PG107
119. H3 PG107
120. H4 BLACK PG108
121. H5 PG108
122. H6 PG108
123. H7 DARK GRAY PG108
124. H8 DARK GRAY PG108
125. H9 BLACK PG108
126. H10 BLACK PG108
127. H11 PG108
128. H12 BLACK PG108
129. I1 DARK GRAY PG108
130. I2 BLACK PG108
131. I3 BLACK PG108
132. I4 DARK GRAY PG108



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133.	I5 GRAY PG108
134.	I6 (1RZ-E) DARK GRAY PG108
135.	I6 (1RZ) GRAY PG108
136.	I7 DARK GRAY PG108
137.	I8 BLACK PG108
138.	I9 GRAY PG108
139.	I10 (1RZ-E) BROWN PG108
140.	I11 (1RZ-E) GRAY PG108
141.	I11 (3RZ-FE, 2RZ-FE) GRAY PG108
142.	I12 (1RZ-E) BROWN PG108
143.	I12 (3RZ-FE, 2RZ-FE) BROWN PG108
144.	I13 (1RZ-E) GRAY PG108
145.	I13 (3RZ-FE, 2RZ-FE) PG108
146.	I14 BROWN PG108
147.	I15 GRAY PG108
148.	I16 BLUE PG108
149.	I17 PG108
150.	I18 PG108
151.	I19 GREEN PG108
152.	I20 PG108
153.	I21 GRAY PG108
154.	I22 BROWN PG108
155.	J1 GRAY PG108
156.	J2 GRAY PG108
157.	J3 (LHD) BLACK PG108
158.	J3 (RHD) PG109
159.	J4 (LHD) BLACK PG109
160.	J4 (RHD) BLUE PG109
161.	J5 (LHD) PG109
162.	J5 (RHD) BLUE PG109
163.	J6 (LHD) PG109
164.	J6 (RHD) PG109
165.	J7 (LHD) PG109
166.	J7 (RHD) BLUE PG109
167.	J8 PG109
168.	J9 (LHD) BLUE PG109
169.	J9 (RHD) BLUE PG109
170.	J10 BLACK PG109
171.	J10 ORANGE PG109
172.	J10 (RHD) BLACK PG109
173.	J11 (LHD) BLUE PG109
174.	J11 (RHD) BLACK PG109
175.	J12 (LHD) BLUE PG109
176.	J12 (RHD) BLUE PG109
177.	J13 (LHD) PG109



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178.	J13 (RHD) BLACK PG109
179.	J14 (LHD) BLACK PG109
180.	J14 (LHD) ORANGE PG109
181.	J14 (RHD) BLACK PG109
182.	J15 (LHD) BLUE PG110
183.	J15 (RHD) PG110
184.	J16 (LHD) GRAY PG110
185.	J16 (RHD) PG110
186.	J17 (RHD) PG110
187.	J18 (LHD) BLUE PG110
188.	J19 (LHD) BLACK PG110
189.	J20 (LHD) BLUE PG110
190.	J21 (LHD) GRAY PG110
191.	J21 (LHD) PG110
192.	J22 (LHD) BLACK PG110
193.	J23 (LHD) PG110
194.	J24 (LHD) BLUE PG110
195.	K1 DARK GRAY PG110
196.	K2 GRAY PG110
197.	L1 PG110
198.	L1 PG110
199.	L2 PG110
200.	L2 PG110
201.	N1 GRAY PG110
202.	N2 GRAY PG110
203.	O1 PG110
204.	O1 GRAY PG110
205.	O2 PG110
206.	O3 GRAY PG110
207.	O4 PG110
208.	P2 PG110
209.	P3 DARK GRAY PG111
210.	P3 (5L) DARK GRAY PG111
211.	P4 PG111
212.	P5 PG111
213.	P6 PG111
214.	P7 PG111
215.	P8 PG111
216.	P9 PG111
217.	P10 PG111
218.	P11 PG111
219.	P12 PG111
220.	P13 PG111
221.	P14 YELLOW PG111
222.	P15 YELLOW PG111



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223.	R1 BLUE PG111
224.	R2 BLUE PG111
225.	R3 BLACK PG111
226.	R4 PG111
227.	R5 BLACK PG111
228.	R6 PG111
229.	R6 PG111
230.	R7 PG111
231.	R7 PG111
232.	R8 GRAY PG111
233.	R9 PG111
234.	R9 PG111
235.	R10 BLACK PG111
236.	R11 PG111
237.	R12 PG111
238.	R12 PG111
239.	R13 PG111
240.	R13 PG111
241.	R14 PG111
242.	R15 PG111
243.	R16 PG111
244.	R17 PG111
245.	S1 BLACK PG111
246.	S2 BLACK PG111
247.	S2 BLACK PG111
248.	S3 PG112
249.	S4 BLACK PG112
250.	S5 PG112
251.	S6 PG112
252.	S7 PG112
253.	S8 BLACK PG112
254.	S9 GRAY PG112
255.	T1 (1RZ-E, 1KZ-TE) BLACK PG112
256.	T1 (3RZ-FE, 2RZ-FE) BLACK PG112
257.	T3 PG112
258.	T4 PG112
259.	T5 DARK GRAY PG112
260.	T6 BLACK PG112
261.	T7 PG112
262.	T8 PG112
263.	U1 PG112
264.	V1 BLACK PG112
265.	V2 DARK GRAY PG112
266.	V3 BLACK PG112
267.	V4 BROWN PG112

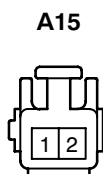
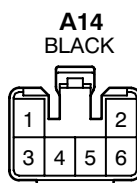
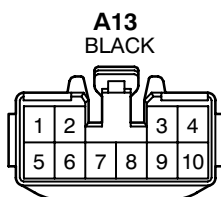
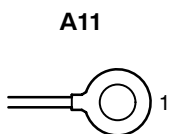
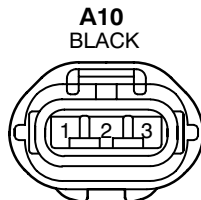
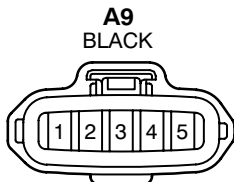
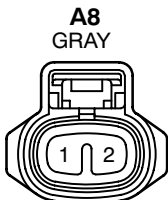
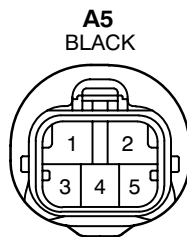
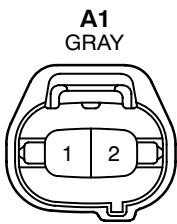


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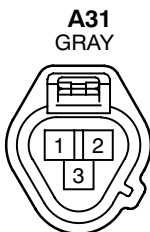
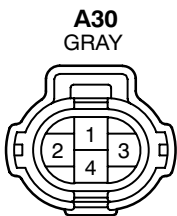
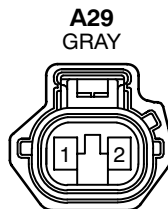
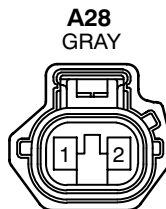
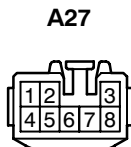
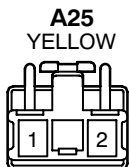
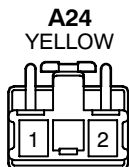
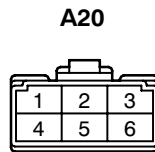
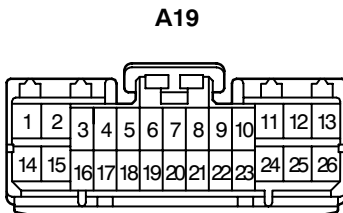
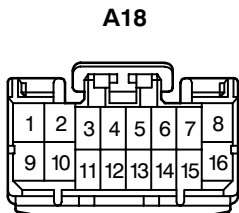
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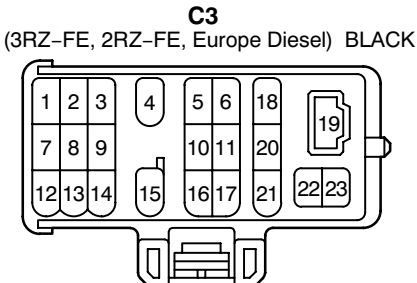
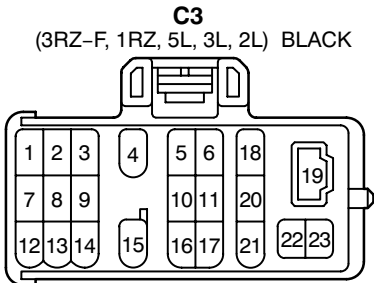
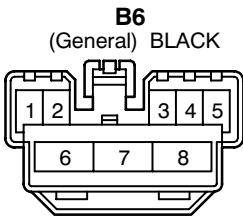
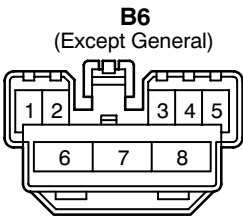
268.	V5 BLUE PG112
269.	V6 BLUE PG112
270.	V6 BLACK PG112
271.	V6 BROWN PG112
272.	V7 GRREN PG112
273.	V8 BLACK PG112
274.	V9 BROWN PG112
275.	V10 (1KZ-TE, 2L) BROWN PG112
276.	V10 (2L-T) BLACK PG112
277.	V11 BROWN PG112
278.	V12 GRAY PG112
279.	V13 BLACK PG112
280.	V14 BROWN PG112
281.	V15 BLUE PG113
282.	W1 GRAY PG113
283.	W2 GRAY PG113
284.	W3 (1RZ-E, 5L, 2L-T, 2L) GREEN PG113
285.	W3 (3RZ-FE, 2RZ-FE, 1KZ-TE) DARK GRAY PG113
286.	W4 BLACK PG113

F CONNECTOR LIST

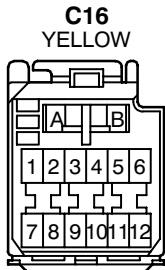
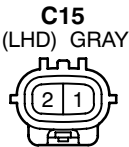
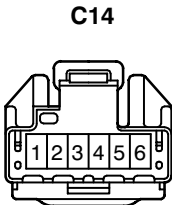
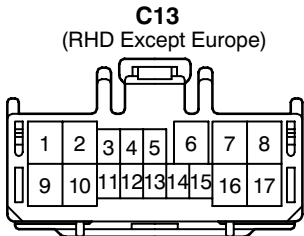
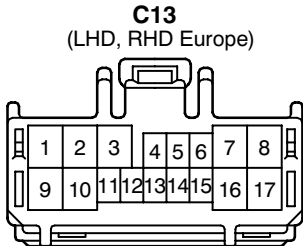
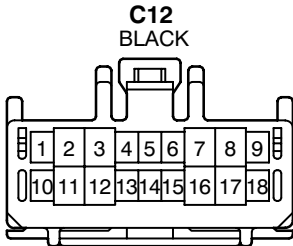
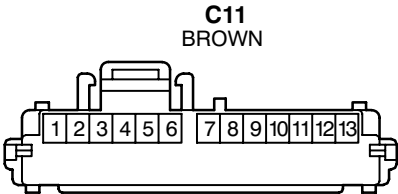
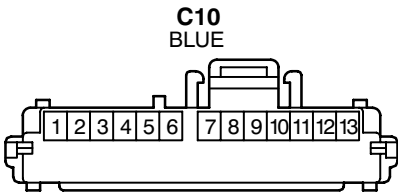
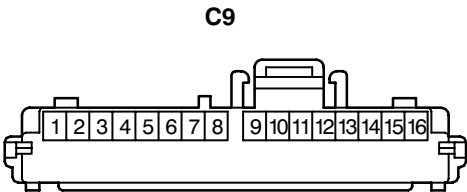
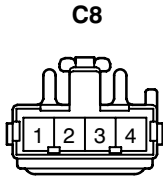
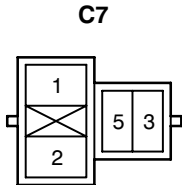
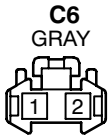


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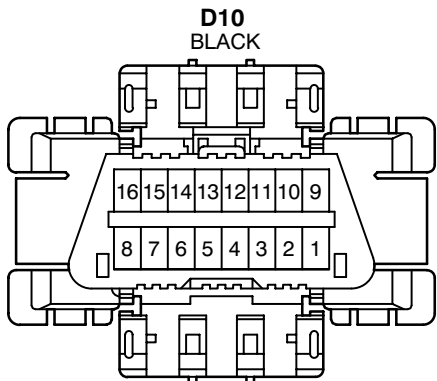
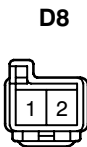
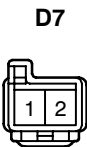
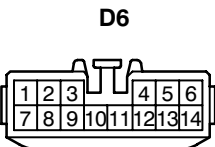
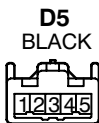
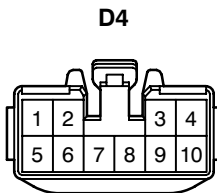
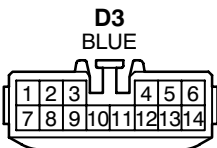
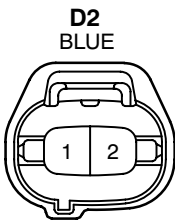
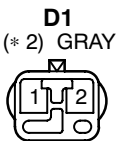
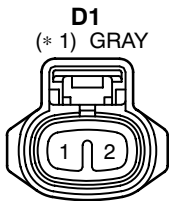
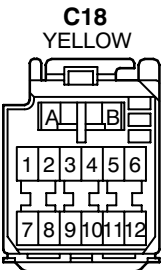
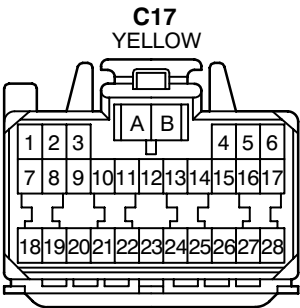


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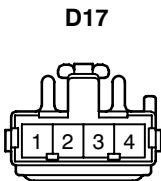
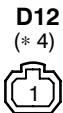
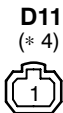


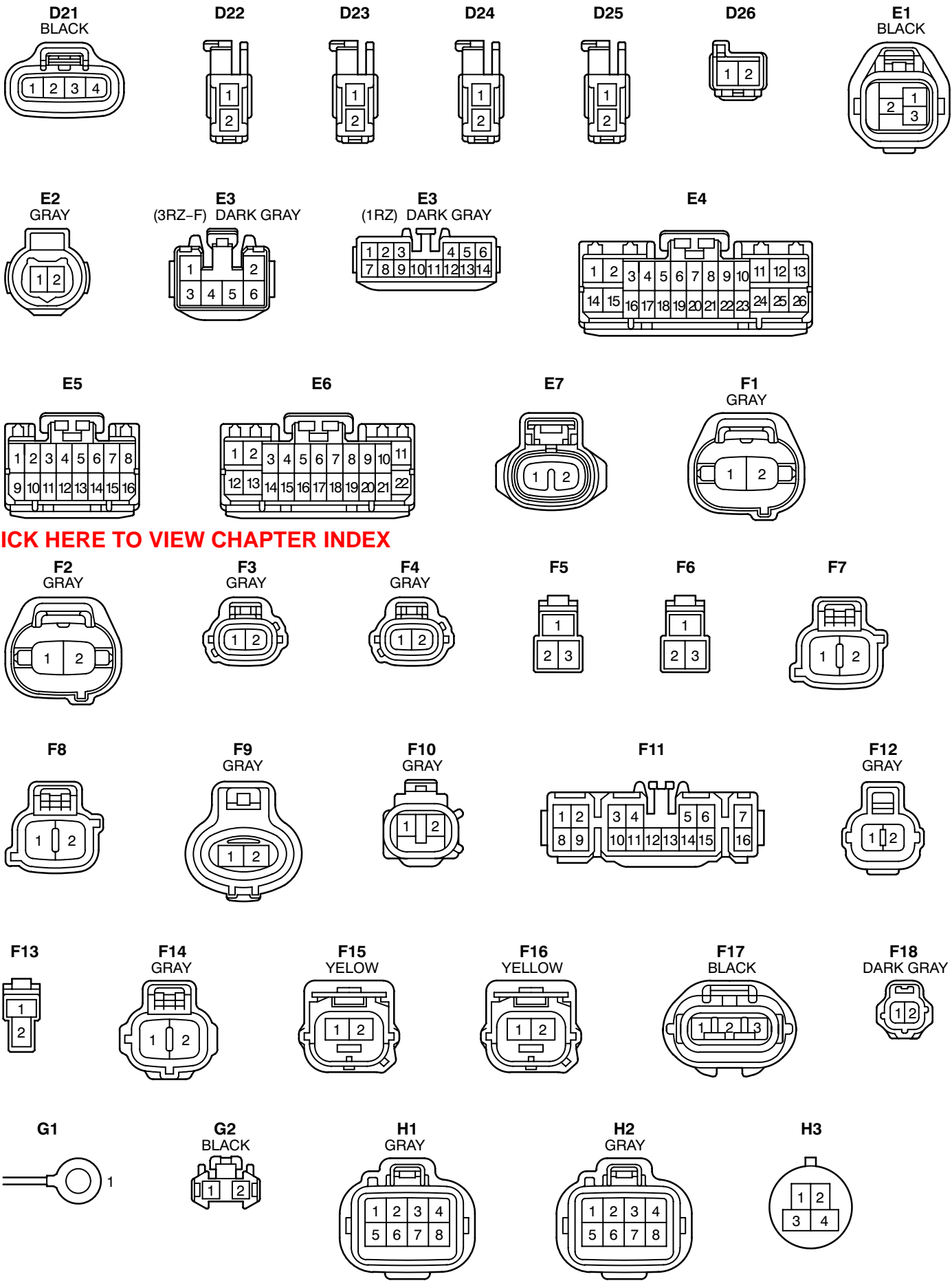
F CONNECTOR LIST

* 1 : w/ 2-4 SELECT SW * 3 : Double Cab
* 2 : w/o 2-4 SELECT SW * 4 : Single Cab, Extra Cab



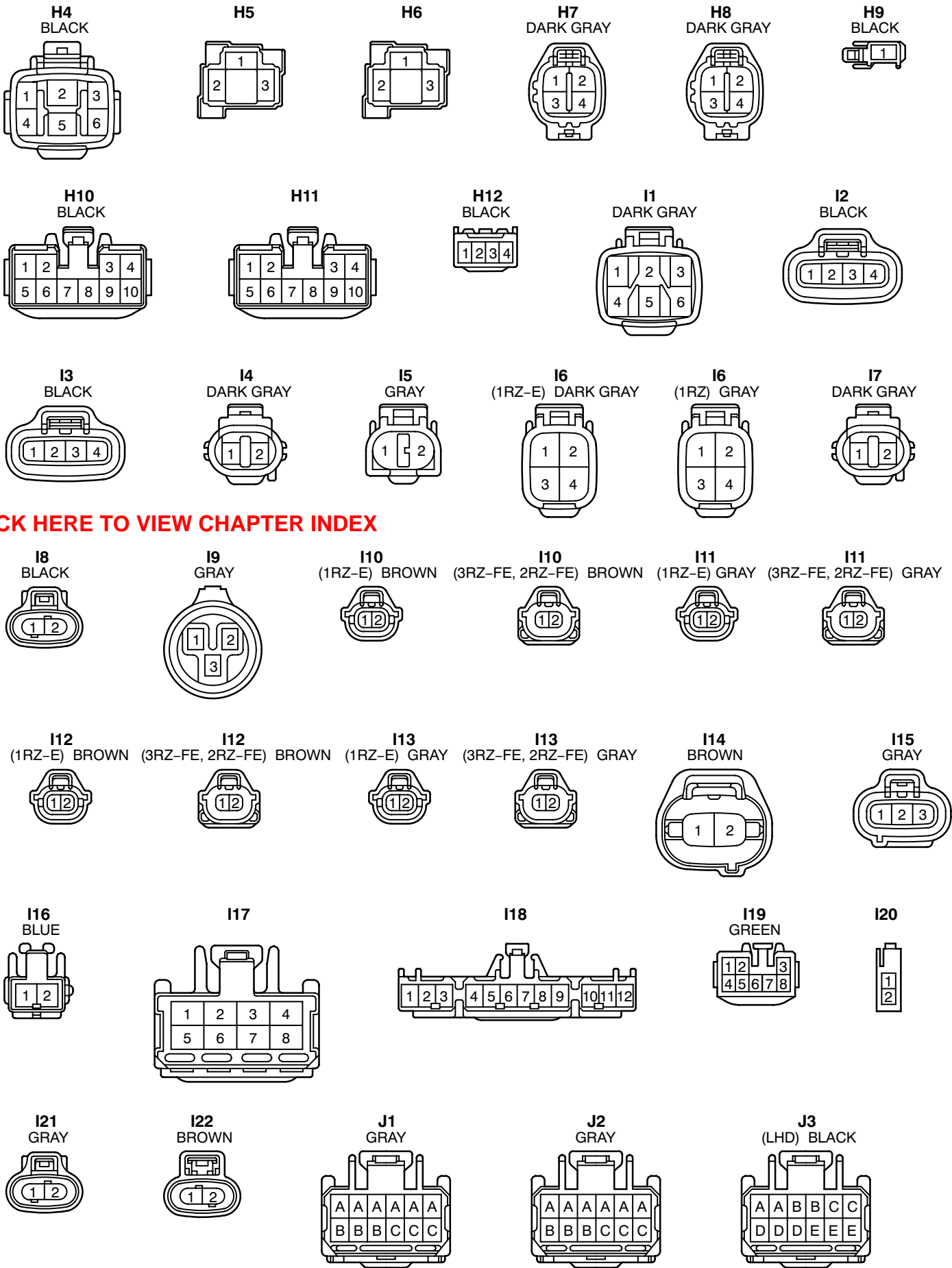
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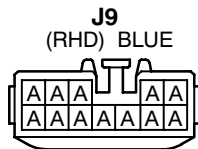
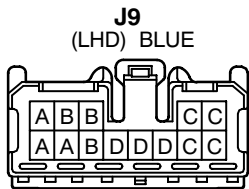
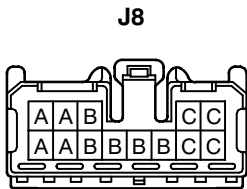
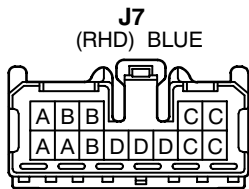
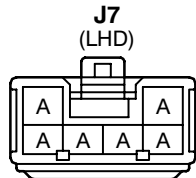
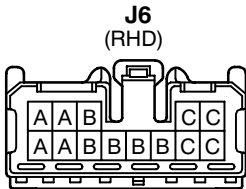
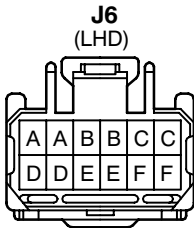
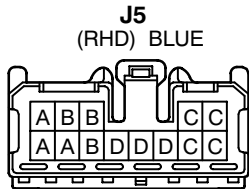
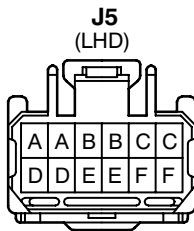
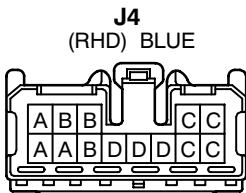
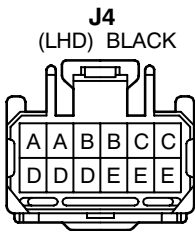
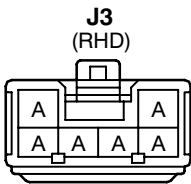


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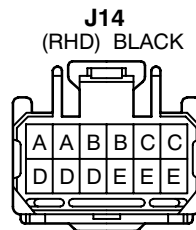
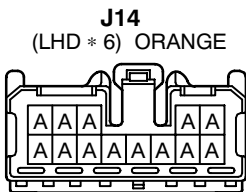
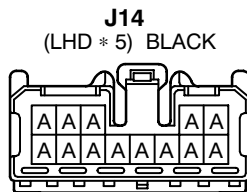
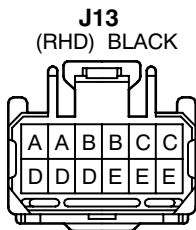
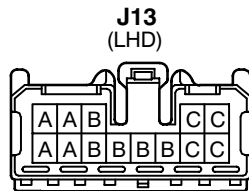
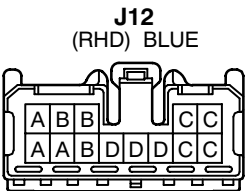
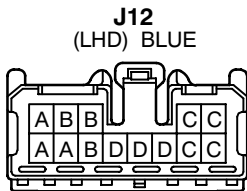
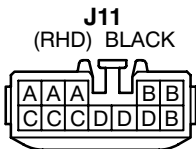
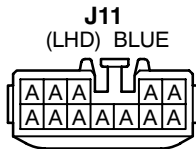
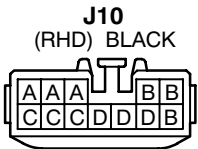
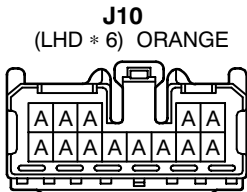
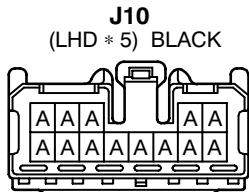
F CONNECTOR LIST



* 5 : 2RZ-FE (Europe), 3RZ-FE, 2L, 2L-T
* 6 : 2RZ-FE (General)

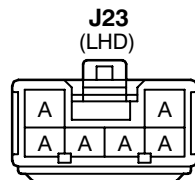
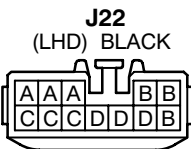
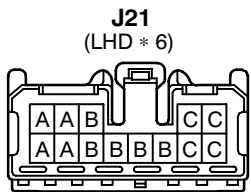
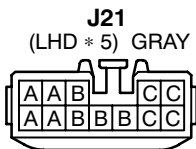
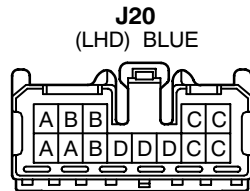
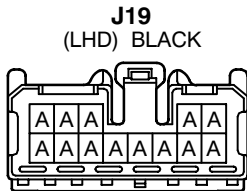
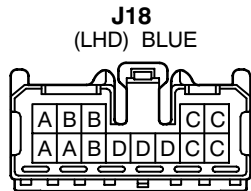
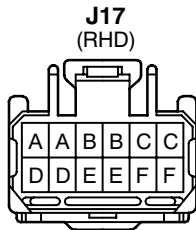
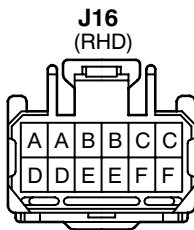
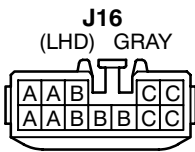
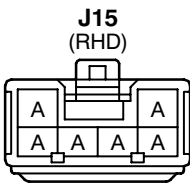
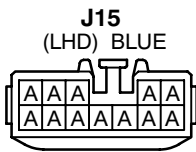


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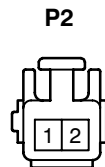
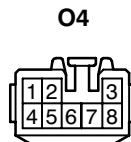
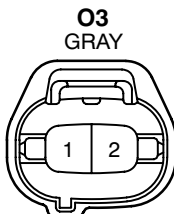
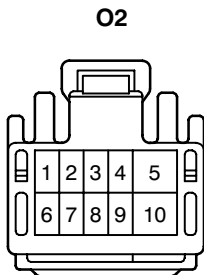
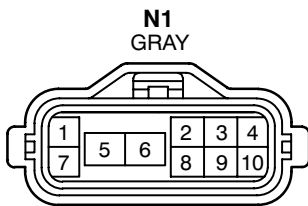
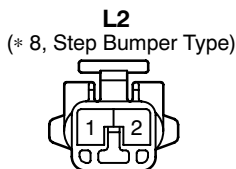
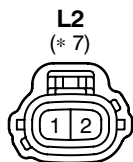
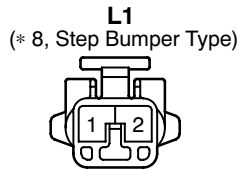
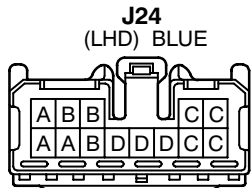


F CONNECTOR LIST

* 5 : 2RZ-FE (Europe), 3RZ-FE, 2L, 2L-T * 7 : w/ Rear Deck * 9 : Diesel Except 1KZ-TE
* 6 : 2RZ-FE (General) * 8 : w/o Rear Deck * 10 : Gasoline, 1KZ-TE

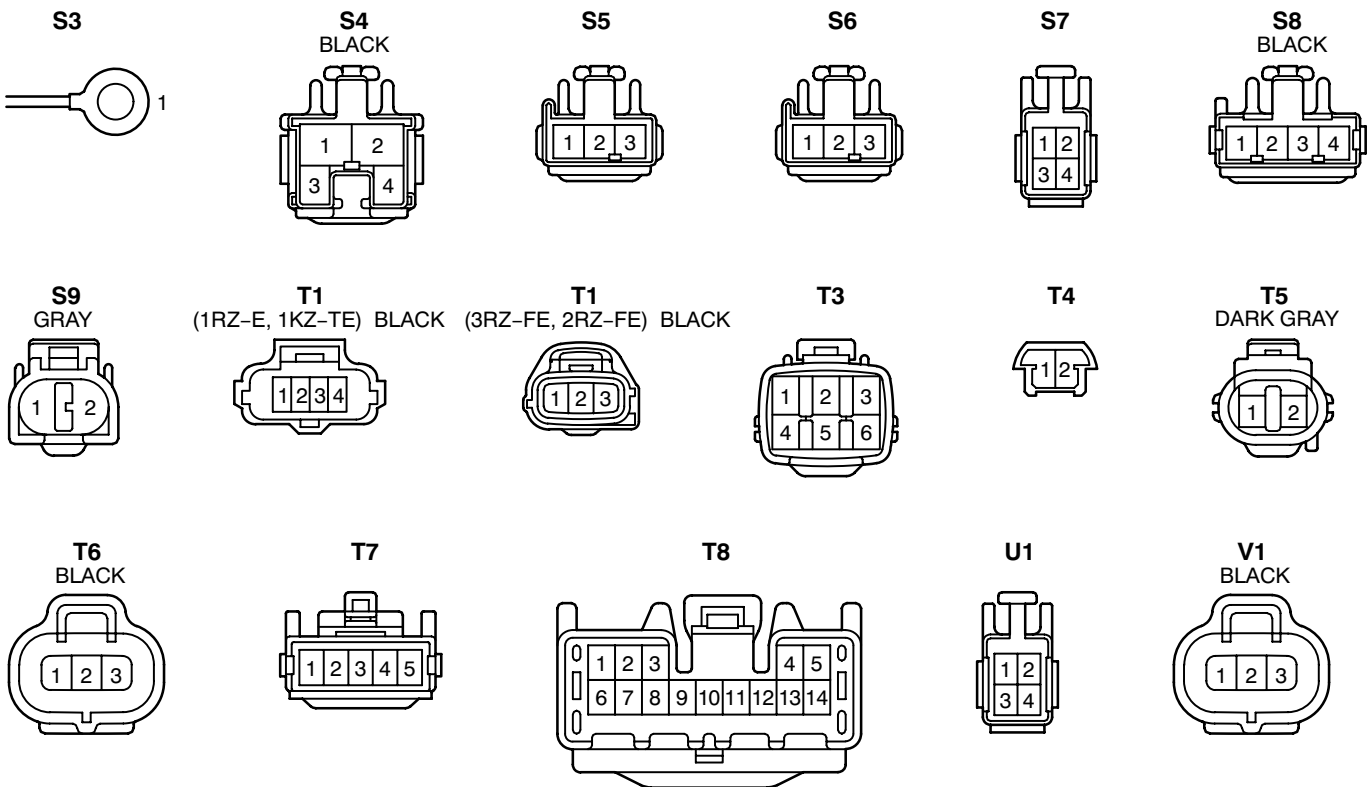


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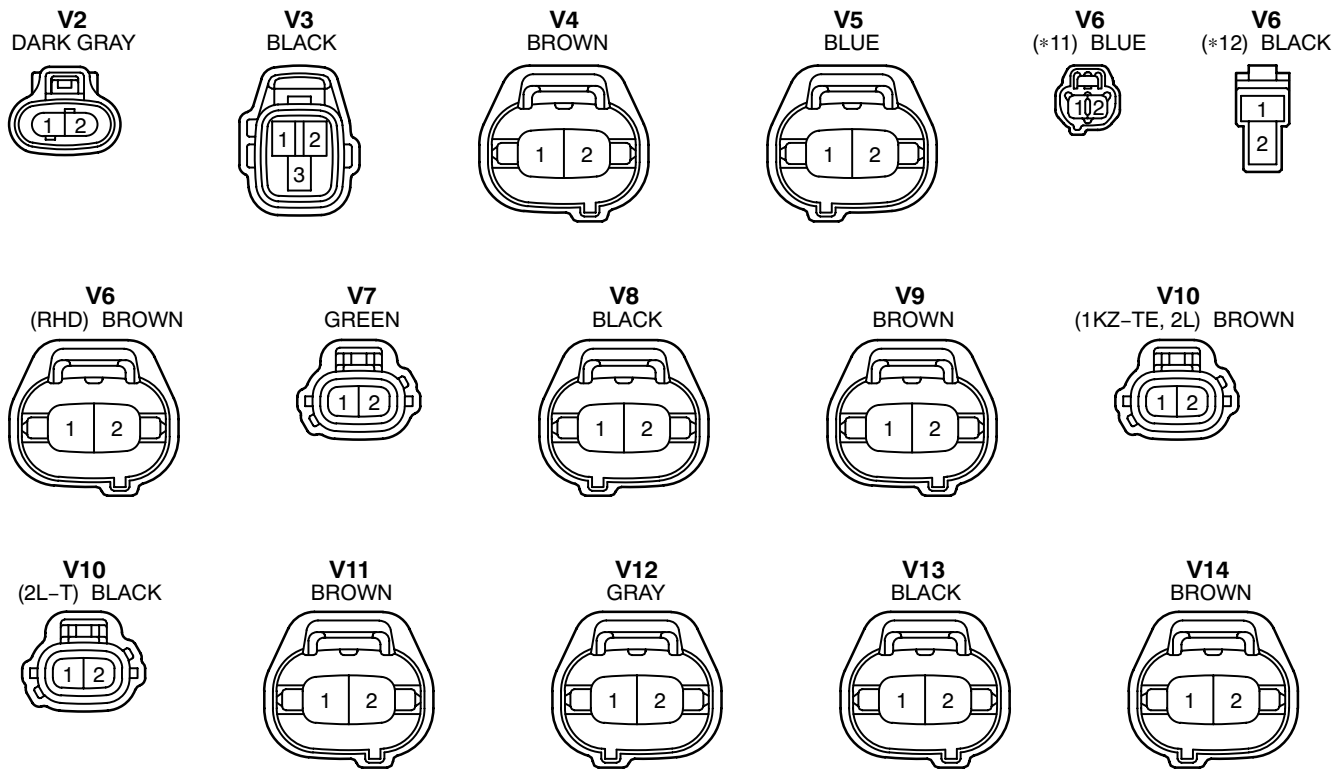


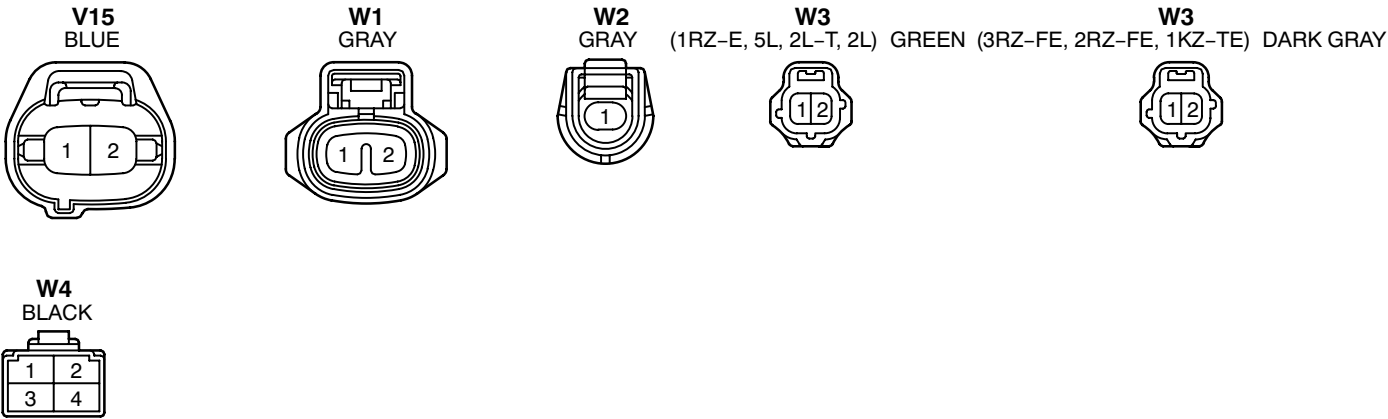
F CONNECTOR LIST

*11 : LHD Europe 2L-T A/T
*12 : LHD Except Europe 2L-T A/T



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H PART NUMBER OF CONNECTORS

Code	Part Name	Part Number	Code	Part Name	Part Number
A 1	A/C Dual Pressure SW	90980-11149	C 8	Clock	90980-11013
A 2	A/C Magnetic Clutch	90980-11271	C 9	Combination Meter	90980-11113
A 3	A/T Fluid Temp. SW	90980-10706	C10	Combination Meter	90980-11114
A 4	ABS Actuator	90980-10891	C11	Combination Meter	90980-11115
A 5	ABS Actuator	90980-11413	C12	Combination SW	90980-11594
A 6	ABS Speed Sensor Front LH	90980-11075	C13	Combination SW (LHD, RHD Europe)	90980-11672
A 7	ABS Speed Sensor Front RH			Combination SW (RHD Except Europe)	90980-11671
A 8	ADD Indicator SW	90980-11250	C14	Combination SW	90980-11616
A 9	Air Flow Meter	90980-11317	C15	Crankshaft Position Sensor	90980-11162
A10	Alternator	90980-11349	C16	Center Airbag Sensor Assembly	90980-11873
A11	Alternator	-	C17	Center Airbag Sensor Assembly	90980-11872
A12	Auto Antenna Motor	90980-11074	C18	Center Airbag Sensor Assembly	90980-11871
A13	A/C Amplifier	90980-10801	C19	Condenser Fan Motor 1	90980-11237
A14	A/C SW	90980-11280	C20	Condenser Fan Motor 2	
A15	A/C Thermistor	90980-10825	D 1	Detection SW (Transfer 4WD Position) (w/ 2-4 SELECT SW)	90980-11250
A16	A/C Volume SW	90980-10214		Detection SW (Transfer 4WD Position) (w/o 2-4 SELECT SW)	90980-11581
A17	ABS Deceleration Sensor	90980-11182	D 2	Detection SW (Transfer L4 Position)	90980-11156
A18	ABS ECU	90980-11565	D 3	Daytime Running Light Relay	90980-10807
A19	ABS ECU	90980-11390	D 4	Diff. Lock ECU	90980-10801
A20	ADD Control Relay	90980-10173	D 5	Diff. Lock SW	90980-10631
A24	Airbag Squib (Front Passenger's Airbag Assembly)	90980-10850	D 6	Dim-Dip Light Relay	90980-10807
A25	Airbag Squib (Steering Wheel Pad)	90980-10850	D 7	Diode (Door Courtesy)	90980-11608
A26	Ashtray Illumination	90980-00308	D 8	Diode (Glow Plug)	
A27	Auto Antenna Control Relay	90980-10799	D 9	Diode (Idle-Up)	
A28	ABS Speed Sensor Rear LH	90980-11467	D10	DLC3	90080-98010
A29	ABS Speed Sensor Rear RH		D11	Door Courtesy SW Front LH (Double Cab)	90980-11097
A30	A/C Triple Pressure SW	90980-10943		Door Courtesy SW Front LH (Single Cab, Extra Cab)	90980-10433
A31	Accelerator Pedal Position Sensor	90980-11016	D12	Door Courtesy SW Front RH (Double Cab)	90980-11097
B 1	Back-Up Light SW	90980-11250		Door Courtesy SW Front RH (Single Cab, Extra Cab)	90980-10433
B 2	Brake Fluid Level Warning SW	90980-11207	D13	Detection SW (Rear Diff. Lock)	90980-11250
B 3	Brake Vacuum Warning SW	90980-11252	D14	Door Courtesy SW Rear LH	90980-11097
B 4	Blower Motor	90980-10214	D15	Door Courtesy SW Rear RH	
B 5	Blower Resistor	90980-10171	D16	Door Key Lock and Unlock SW	90980-11245
B 6	Blower SW	90980-10463	D17	Door Lock Control SW	90980-11013
B 7	Buckle SW	90980-11212	D18	Door Lock Motor Front LH	90980-11150
C 1	Camshaft Position Sensor	90980-10947	D19	Door Lock Motor Front RH	
C 2	Carburetor	90980-11037	D20	Door Lock Motor Rear LH	
C 3	Check Connector (3RZ-F, 1RZ, 5L, 3L, 2L, Except Europe)	90980-11195	D21	Door Lock Motor Rear RH	
	Check Connector (3RZ-FE, 2RZ-FE, Europe Diesel)	90980-11323	D22	Door Speaker Front LH	90980-10935
C 4	Crankshaft Position Sensor	90980-11016	D23	Door Speaker Front RH	
C 5	Cigarette Lighter	90980-10760	D24	Door Speaker Rear LH	90980-10935
C 6	Cigarette Lighter Illumination	90980-11148	D25	Door Speaker Rear RH	
C 7	Circuit Opening Relay	82602-35150			

Note: Not all of the above part numbers of the connector are established for the supply.

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

Code	Part Name	Part Number	Code	Part Name	Part Number
D26	Diode (O/D)	90980-11608	I 1	Igniter	90980-11197
E 1	ECT Solenoid	90980-10919	I 2	Ignition Coil and Igniter No.1	90980-11150
E 2	Engine Oil Level Warning SW	90980-10532	I 3	Ignition Coil and Igniter No.2	
E 3	Emission Control ECU (3RZ-F)	90980-10797	I 4	Ignition Coil No.1	90980-11038
	Emission Control ECU (1RZ)	90980-10807	I 5	Ignition Coil No.2	90980-11286
E 4	Engine ECU (M/T) or Engine and ECT ECU (A/T)	90980-11390	I 6	IIA	90980-11037
E 5	Engine ECU (M/T) or Engine and ECT ECU (A/T)	90980-11391	I 7	IIA	90980-11038
	Engine ECU (M/T) or Engine and ECT ECU (A/T)	90980-11392	I 8	Intake Air Temp. Sensor	90980-11163
E 6	Engine ECU (M/T) or Engine and ECT ECU (A/T)	90980-11392	I 9	Injection Pump	90980-11157
E 7	Engine Speed Sensor	90980-11250	I10	Injector No.1 (1RZ-E)	90980-11285
F 1	Front Clearance Light LH	90980-11149		Injector No.1 (3RZ-FE, 2RZ-FE)	90980-11153
F 2	Front Clearance Light RH		90980-11162	Injector No.2 (1RZ-E)	90980-11285
F 3	Front Side Turn Signal Light LH	Injector No.2 (3RZ-FE, 2RZ-FE)		90980-11153	
F 4	Front Side Turn Signal Light RH	90980-10216	I12	Injector No.3 (1RZ-E)	90980-11285
F 5	Front Turn Signal Light and Clearance Light LH		Injector No.3 (3RZ-FE, 2RZ-FE)	90980-11153	
F 6	Front Turn Signal Light and Clearance Light RH	90980-11019	I13	Injector No.4 (1RZ-E)	90980-11285
F 7	Front Turn Signal Light LH		Injector No.4 (3RZ-FE, 2RZ-FE)	90980-11153	
F 8	Front Turn Signal Light RH	90980-10928	I14	Intake Shutter	90980-11149
F 9	Fuel Heater	90980-11003	I15	ISC Valve	90980-11145
F10	Fuel Sedimentary SW	90980-10848	I16	Ignition Key Cylinder Light	90980-10908
F11	4WD Control ECU	90980-10843	I17	Ignition SW	90980-11615
F12	Fuel Pump	90980-10214	I18	Integration Relay	90980-11121
F13	Fuel Sender	90980-10923	I19	Integration Relay	90980-10799
F14	First Gear Position SW	90980-11856	I20	Interior Light	90980-10121
F15	Front Airbag Sensor LH		I21	Injection Pump Correction Resistor No.1	90980-11163
F16	Front Airbag Sensor RH	90980-11349	I22	Injection Pump Correction Resistor No.2	90980-11278
F17	Fuel Control Valve	90980-10737	J 1	Junction Connector	90980-11661
F18	Fuel Temp. Sensor	-	J 2	Junction Connector	
G 1	Glow Plug	90980-11148	J 3	Junction Connector (LHD)	90980-10976
G 2	Glove Box Light	90980-10891		Junction Connector (RHD)	
H 1	Headlight Beam Level Control Actuator LH	90980-10140	J 4	Junction Connector (LHD)	90980-11661
H 2	Headlight Beam Level Control Actuator RH	90980-10939		Junction Connector (RHD)	90980-11542
H 3	Headlight Cleaner Motor and Washer Motor	90980-11314	J 5	Junction Connector (LHD)	90980-11661
H 4	Headlight Cleaner Relay			Junction Connector (RHD)	90980-11542
H 5	Headlight LH	90980-11028	J 6	Junction Connector (LHD)	90980-10976
H 6	Headlight RH			Junction Connector (RHD)	90980-11542
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1)	90980-10619	J 7	Junction Connector	90980-11542
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)			Junction Connector (LHD)	
H 9	Horn	90980-10801	J 9	Junction Connector (RHD)	90980-10803
H10	Hazard SW	90980-10601		Junction Connector (LHD)	90980-11542
H11	Headlight Beam Level Control SW		J10	Junction Connector (RHD)	90980-10803
H12	Headlight Cleaner SW			J11	

Nota : No todos los números de las partes del conector indicados arriba están dispuestos para el suministro.

Anmerkung: Nicht alle der obenerwähnten Teile-Nummern der Stecker werden für die Lieferung etabliert.

H PART NUMBER OF CONNECTORS

Code	Part Name	Part Number	Code	Part Name	Part Number
J12	Junction Connector	90980-11542	P10	Power Window Motor Front LH	90980-10860
J13	Junction Connector (LHD)	90980-11542	P11	Power Window Motor Front RH	
	Junction Connector (RHD)	90980-11661	P12	Power Window Motor Rear LH	
J14	Junction Connector (LHD)	90980-11542	P13	Power Window Motor Rear RH	
	Junction Connector (RHD)	90980-11661	P14	Pretensioner LH	90980-11862
J15	Junction Connector (LHD)	90980-10803	P15	Pretensioner RH	
	Junction Connector (RHD)	90980-10976	R 1	Radio and Player	90980-10997
J16	Junction Connector (LHD)	90980-10803	R 2	Radio and Player	90980-10998
	Junction Connector (RHD)	90980-11661	R 3	Rear Fog Light SW	90980-11533
J17	Junction Connector (RHD)		R 4	Rear Window Defogger SW	90980-11326
J18	Junction Connector (LHD)	90980-11542	R 5	Rheostat	90980-10214
J19	Junction Connector (LHD)		R 6	Rear Combination Light LH (w/ Rear Deck, Malta)	90980-10173
J20	Junction Connector (LHD)			Rear Combination Light LH (w/o Rear Deck Except Malta)	90980-10162
J21	Junction Connector (LHD 2RZ-FE (Euope), 3RZ-FE, 2L, 2L-T)	90980-10803	R 7	Rear Combination Light RH (w/ Rear Deck, Malta)	90980-10173
	Junction Connector (LHD 2RZ-FE (General))	90980-11542		Rear Combination Light RH (w/o Rear Deck Except Malta)	90980-10162
J22	Junction Connector (LHD)	90980-10803	R 8	Rear Diff. Lock Motor	90980-11194
J23	Junction Connector (LHD)	90980-10976	R 9	Rear Fog Light (w/ Rear Deck)	90980-11140
J24	Junction Connector (LHD)	90980-11542		Rear Fog Light (w/o Rear Deck)	90980-11142
K 1	Knock Sensor	90980-11166	R10	Rear Window Defogger	90980-10359
K 2	Kick Down SW	90980-11282	R11	Rear Window Defogger	
L 1	License Plate Light LH (w/ Rear Deck)	90980-11162	R12	Remote Control Mirror LH (w/ Vent Window)	90980-11170
	License Plate Light LH (w/o Rear Deck, Step Bumper Type)	90980-11248		Remote Control Mirror LH (w/o Vent Window)	90980-10907
L 2	License Plate Light RH (w/ Rear Deck)	90980-11162	R13	Remote Control Mirror RH (w/ Vent Window)	90980-11170
	License Plate Light RH (w/o Rear Deck, Step Bumper Type)	90980-11248		Remote Control Mirror RH (w/o Vent Window)	90980-10907
N 1	Neutral Start SW	90980-11332	R14	Remote Control Mirror SW	90980-11450
O 1	Oil Pressure SW (Diesel Except 1KZ-TE)	90980-10703	R15	Reverse Warning Buzzer	90980-11250
	Oil Pressure SW (Gasoline, 1KZ-TE)	90980-11363	R16	Rear Speaker LH	90980-10935
O 2	O/D Main SW	90980-11614	R17	Rear Speaker RH	
O 3	O/D Solenoid	90980-11156	S 1	Speed Sensor (ECT)	90980-11156
O 4	O/D ECU	90980-10799	S 2	Starter (Diesel)	90980-11184
P 2	Parking Brake SW	90980-10825		Starter (Gasoline)	90980-11400
P 3	Pre-Heating Timer (3L,2L)	90980-10799	S 3	Starter	-
	Pre-Heating Timer (5L)	90980-10803	S 4	Stop Light SW	90980-11118
P 4	Personal Light	90980-10121	S 5	Seat Heater (Driver's Seat)	90980-10908
P 5	Power Window Control SW Front LH	90980-10789	S 6	Seat Heater (Front Passenger's Seat)	
P 6	Power Window Control SW Front RH		S 7	Seat Heater SW (Driver's Seat)	90980-10795
P 7	Power Window Control SW Rear LH	90980-10789	S 8	Seat Heater SW (Front Passenger's Seat)	90980-11090
P 8	Power Window Control SW Rear RH		S 9	Spill Control Valve	90980-11286
P 9	Power Window Master SW (Double Cab)	90980-10807			
	Power Window Master SW (Single Cab, Extra Cab)	90980-10997			

Note: Not all of the above part numbers of the connector are established for the supply.

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

Code	Part Name	Part Number	Code	Part Name	Part Number
T 1	Throttle Position Sensor (1RZ-E, 1KZ-TE)	90980-10711	V 6	VSV (A/C Idle-Up) (Israel)	90980-10572
	Throttle Position Sensor (3RZ-FE, 2RZ-FE)	90980-11261		VSV (A/C Idle-Up) (LHD Except Israel)	90980-10214
T 3	2-4 Select Motor	90980-11290		VSV (A/C Idle-Up) (RHD)	90980-11149
T 4	2-4 Select SW	90980-10355	V 7	VSV (EGR)	90980-11162
T 5	Timing Control Valve	90980-11030	V 8	VSV (EVAP)	90980-11156
T 6	Turbo Pressure Sensor	90980-10845	V 9	VSV (Throttle Position Control)	90980-11149
T 7	Transponder Key Amplifier	90980-10789	V10	VRV (EGR)	90980-11162
T 8	Transponder Key Computer	90980-11556	V11	VSV (BACS)	90980-11149
U 1	Unlock Warning SW	90980-10795	V12	VSV (EGR)	90980-11156
V 1	Vacuum Sensor	90980-10845	V13	VSV (Intake Constrictor Control No.1)	90980-11149
V 2	Vacuum SW	90980-11163	V14	VSV (Intake Constrictor Control No.2)	90980-11156
V 3	Variable Resistor	90980-10902	V15	VSV (Turbo Pressure Sensor)	
V 4	VSV (2WD, ADD)	90980-11149	W 1	Washer Motor	90980-11250
V 5	VSV (4WD, ADD)	90980-11156	W 2	Water Temp. Sender	90980-11428
			W 3	Water Temp. Sensor	90980-10737
			W 4	Wiper Motor	90980-10171

Nota : No todos los números de las partes del conector indicados arriba están dispuestos para el suministro.
Anmerkung: Nicht alle der obenerwähnten Teile-Nummern der Stecker werden für die Lieferung etabliert.

I OVERALL ELECTRICAL WIRING DIAGRAM

SYSTEM INDEX

SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS	22-2	Ignition (1RZ)	4-2
Air Conditioner (Except Israel)	26-2	Ignition (3RZ-F)	4-3
Air Conditioner (Israel)	29-2	Ignition (3RZ-FE, 2RZ-FE)	3-2
Back-Up Light	12-4	Illumination	15-2
Carburetor	6-2	Interior Light	14-2
Charging (Diesel)	3-3	Light Reminder Buzzer, Key Reminder and Seat Belt Warning	18-2
Charging (Gasoline)	1-3	Overdrive (Israel)	27-7
Cigarette Lighter	18-3	Power Source	1~29-1
Clock	18-3	Power Window	17-2
Combination Meter	25-2	Radio and Player	24-3
Door Lock Control	16-2	Rear Differential Lock	19-2
ECT (3RZ-FE)	28-3	Rear Fog Light	3-3
Emission Control (Europe)	27-2	Rear Window Defogger	20-2
Emission Control (General)	6-3	Remote Control Mirror	24-2
Engine Control (3RZ-FE, 2RZ-FE)	5-2	Seat Heater	11-3
Engine Immobiliser System (2RZ-FE)	5-8	SRS	23-2
Engine Immobiliser System (Europe 2L, 2L-T)	27-5	Starting (Diesel)	2-2
Front Wiper and Washer	20-3	Starting (Gasoline)	1-2
Fuel Heater	2-3	Stop Light	9-3
Glow Plug (General 2L, 3L)	7-2	Taillight	12-2
Headlight (w/ Daytime Running Light)	8-2	Turn Signal and Hazard Warning Light	13-2
Headlight (w/o Daytime Running Light)	9-2	4WD	21-2
Headlight Beam Level Control	10-2		
Headlight Cleaner	11-2		
Horn	18-4		

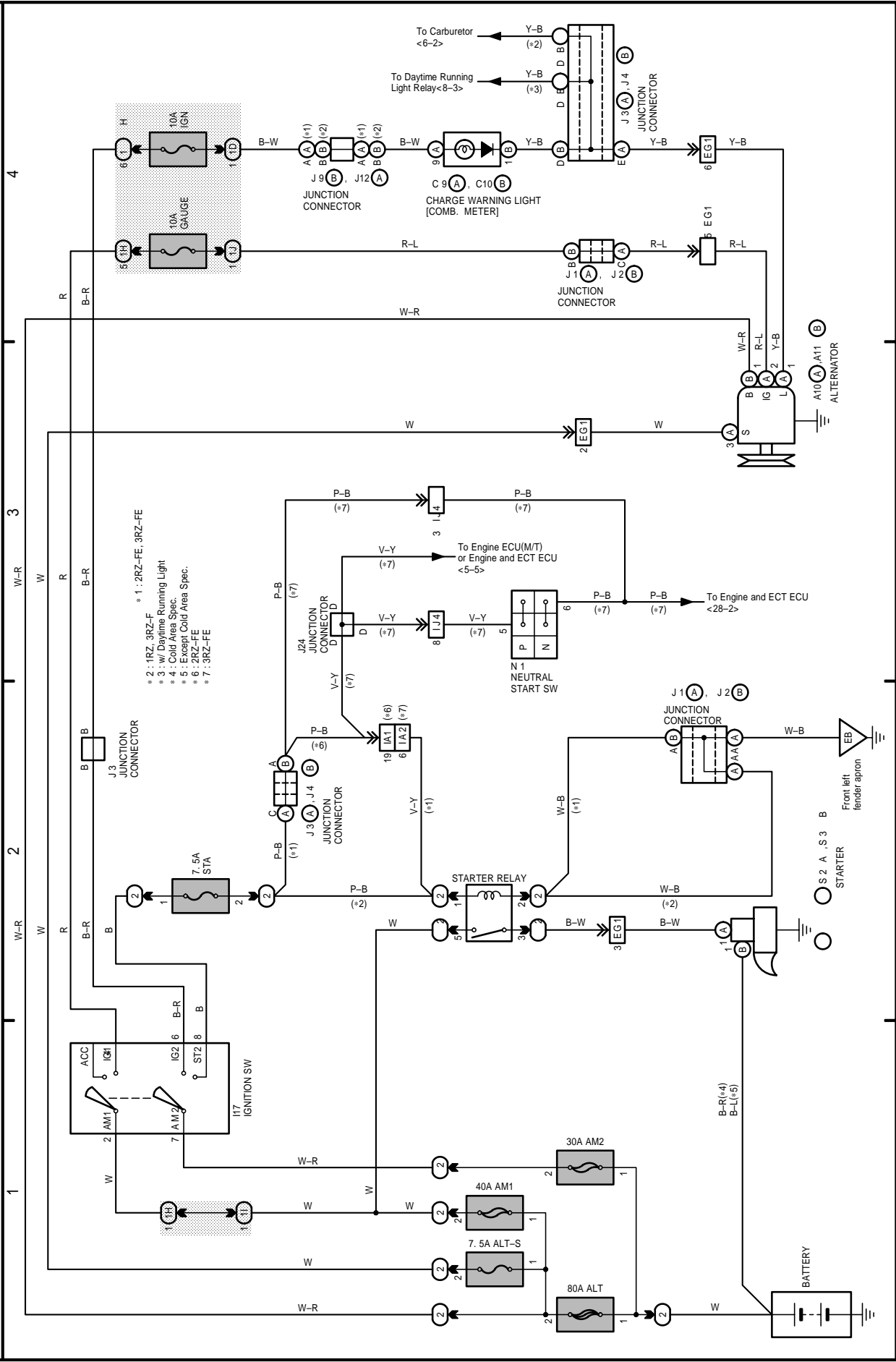
I OVERALL ELECTRICAL WIRING DIAGRAM

1 HILUX (LHD)

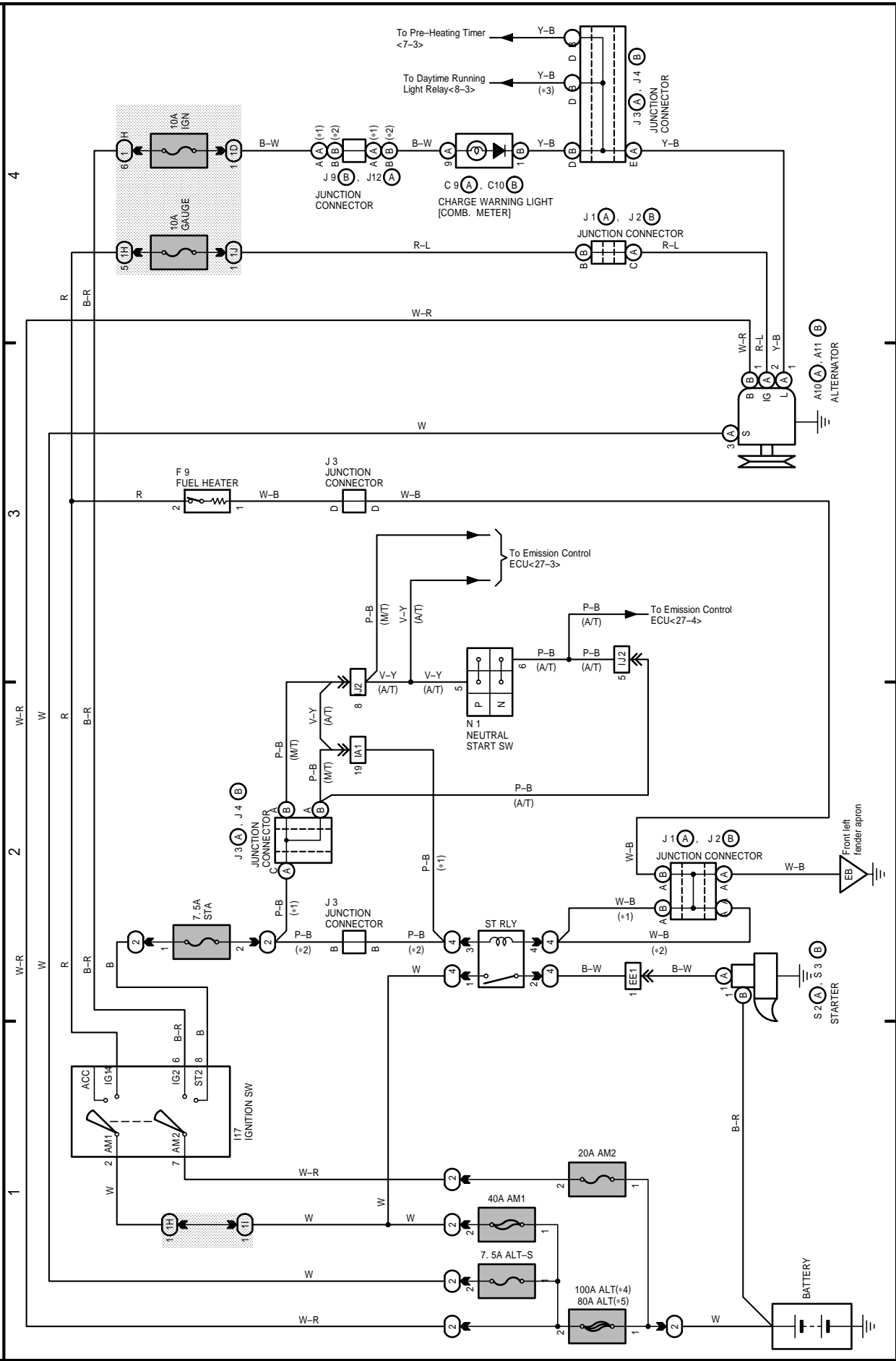
Power Source

Starting (Gasoline)

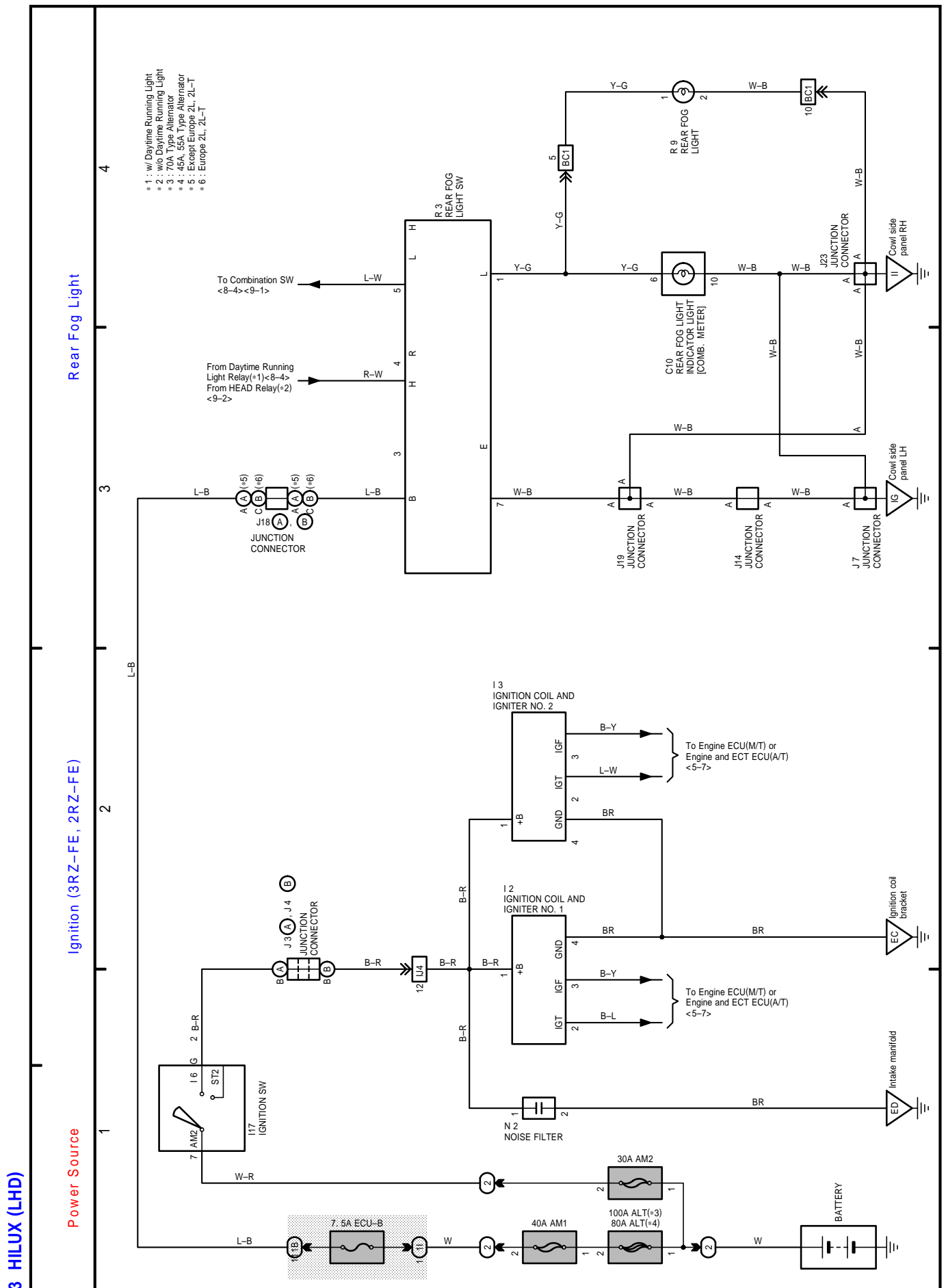
Charging (Gasoline)



- * 1: Europe
- * 2: Exempt Europe
- * 3: w/ Daytime Running Light
- * 4: 70A Type Alternator
- * 5: 45A, 55A Type Alternator



I OVERALL ELECTRICAL WIRING DIAGRAM

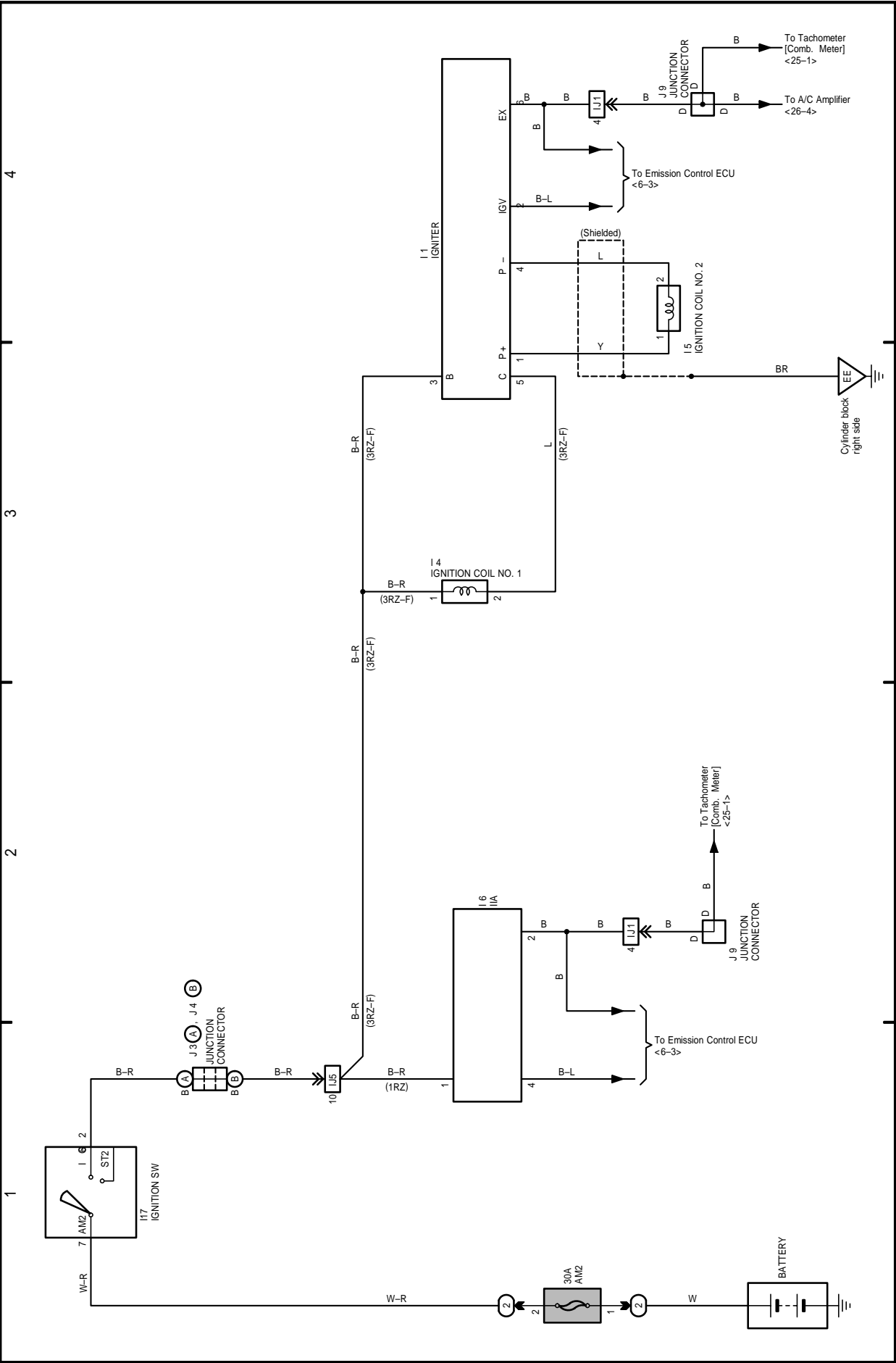


4 HILUX (LHD)

Power Source

Ignition (1RZ)

Ignition (3RZ-F)



I OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

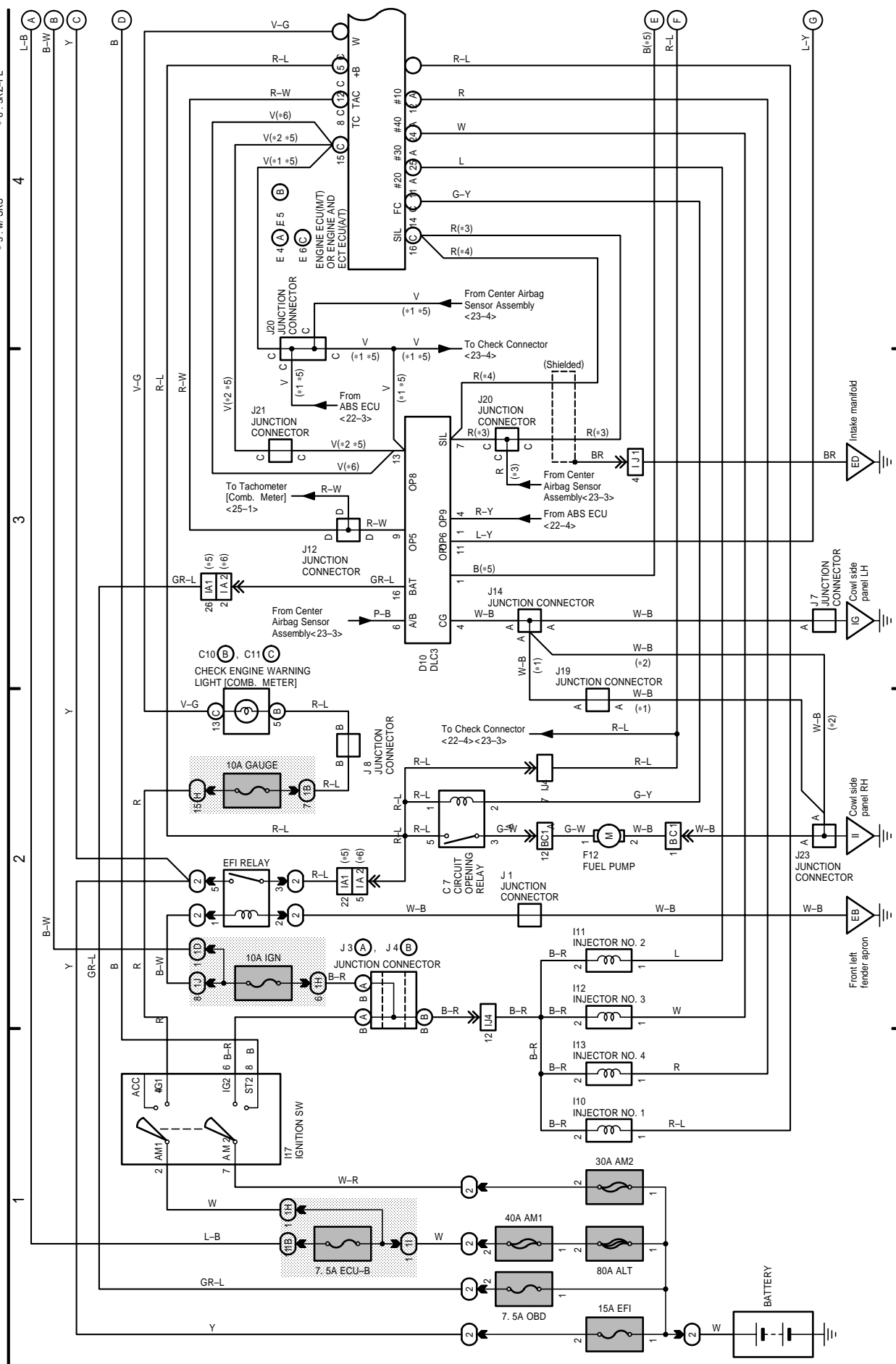
CONTINUED

5 HILUX (LHD)

Power Source

Engine Control (3RZ-FE, 2RZ-FE)

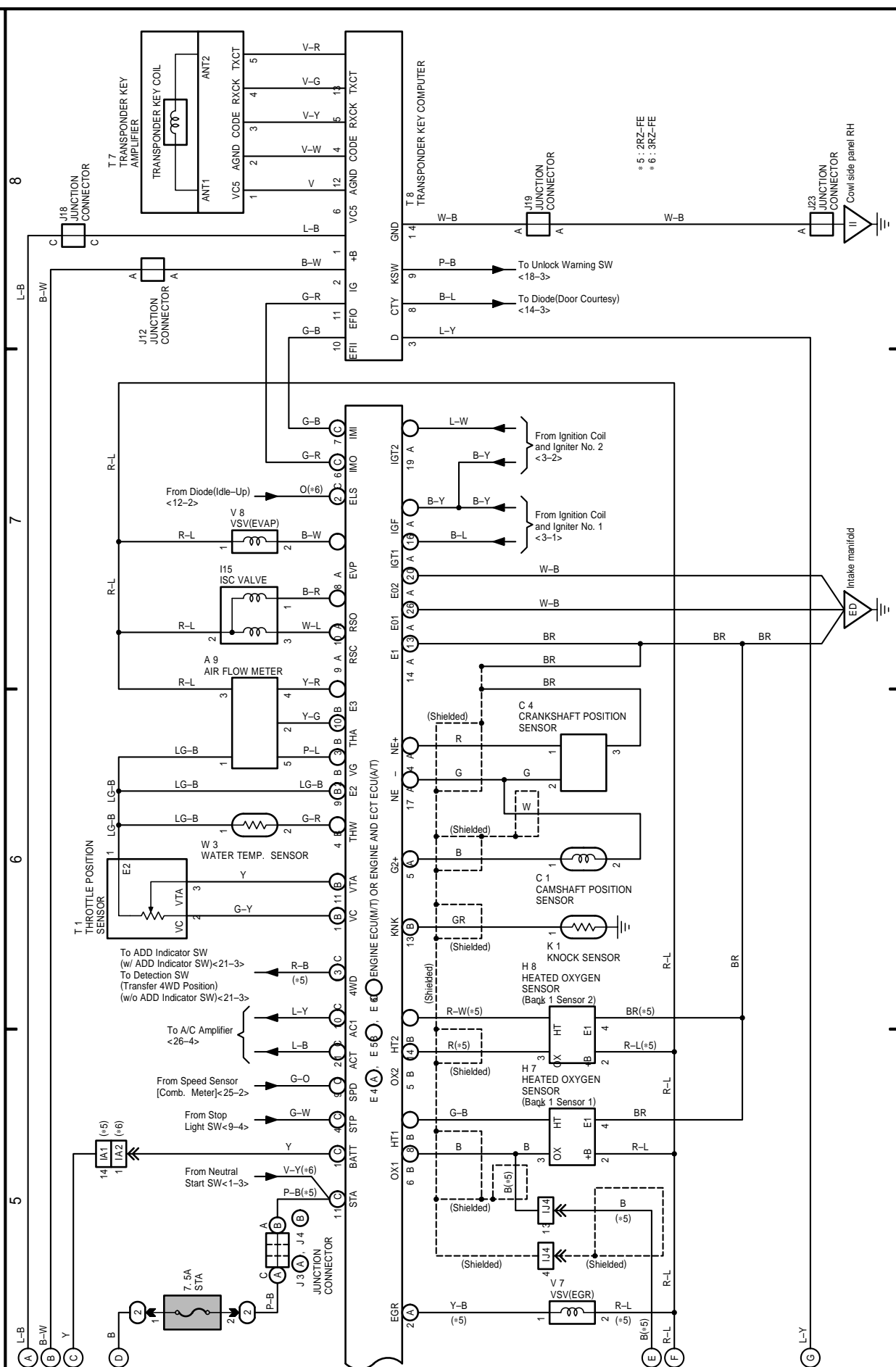
- * 1: Europe
- * 2: Except Europe
- * 3: w/ SRS
- * 4: w/o SRS
- * 5: 2RZ-FE
- * 6: 3RZ-FE



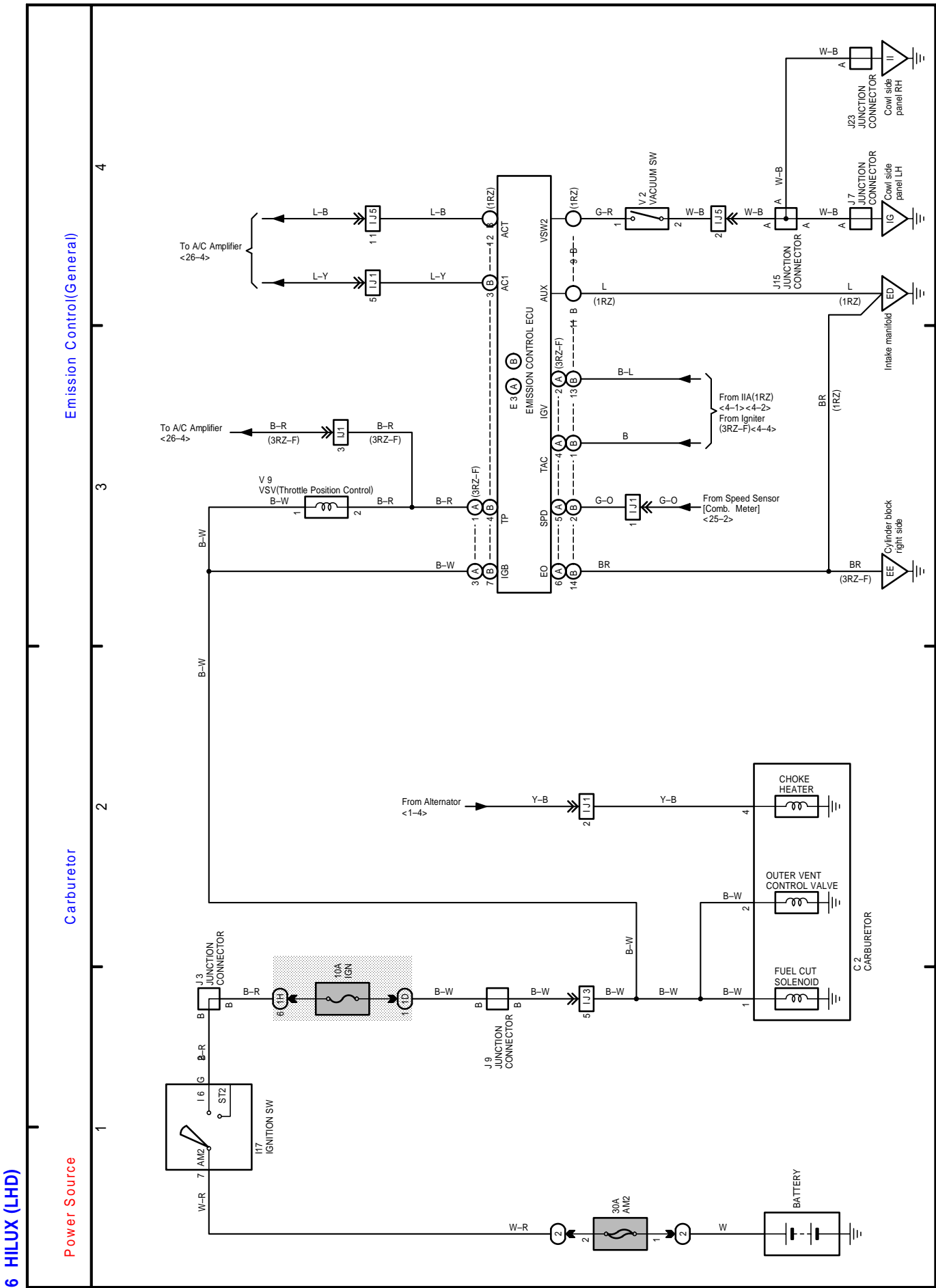
5 HILUX (LHD) (Cont' d)

Engine Control (3R-FE, 2RZ-FE)

Engine Immobiliser System (2RZ-FE)

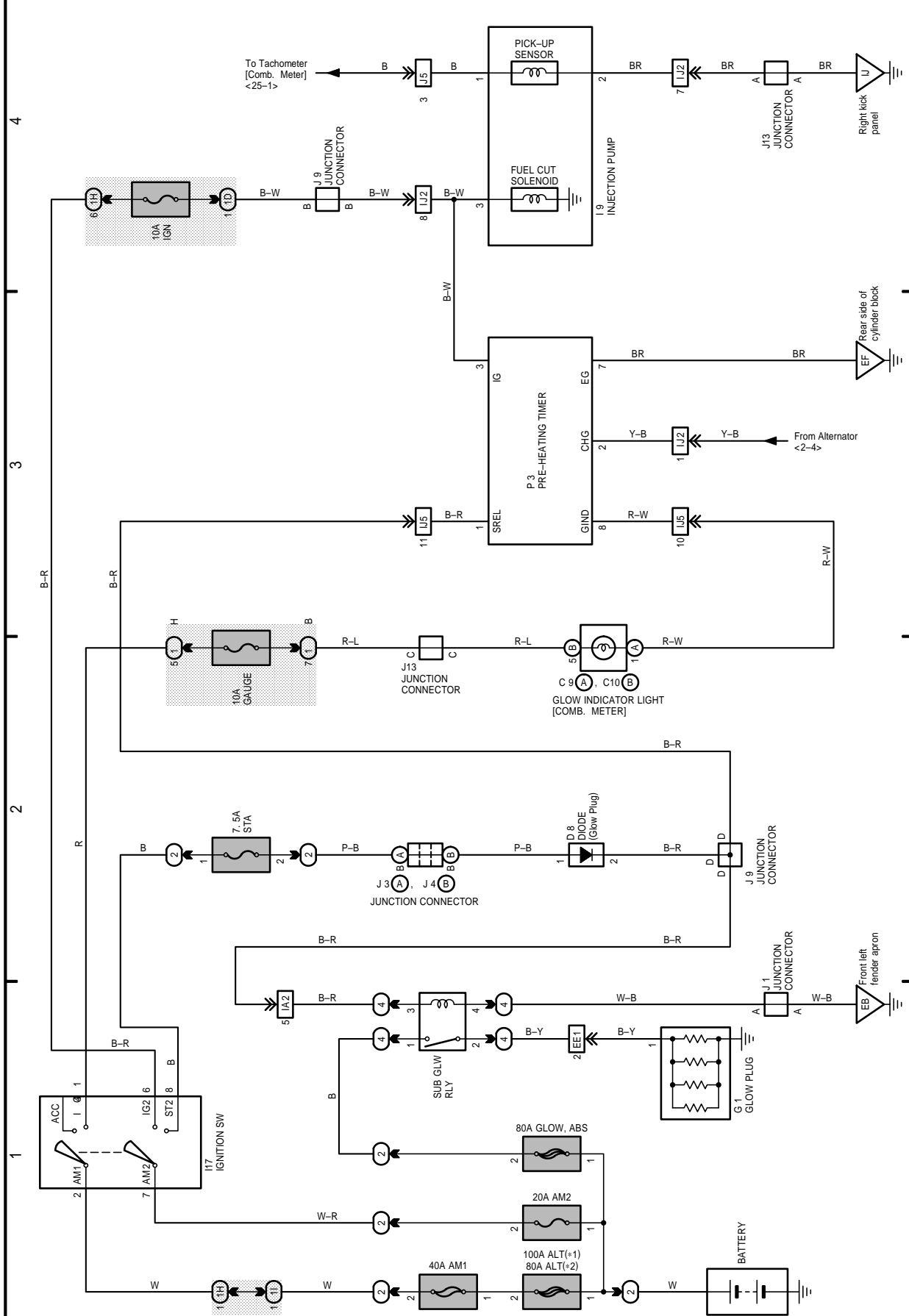


I OVERALL ELECTRICAL WIRING DIAGRAM

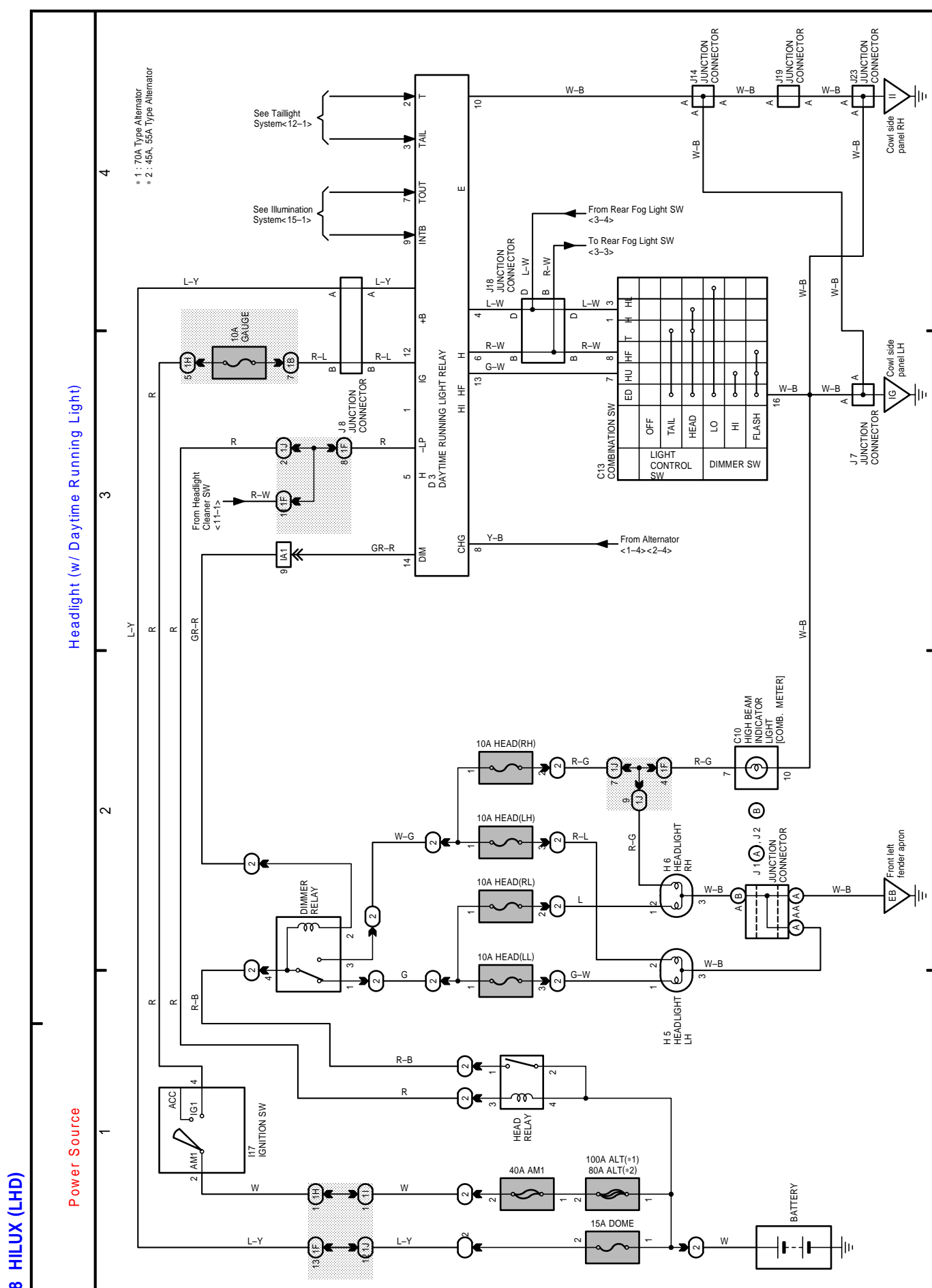


Glow Plug (General 2L, 3L)

Power Source



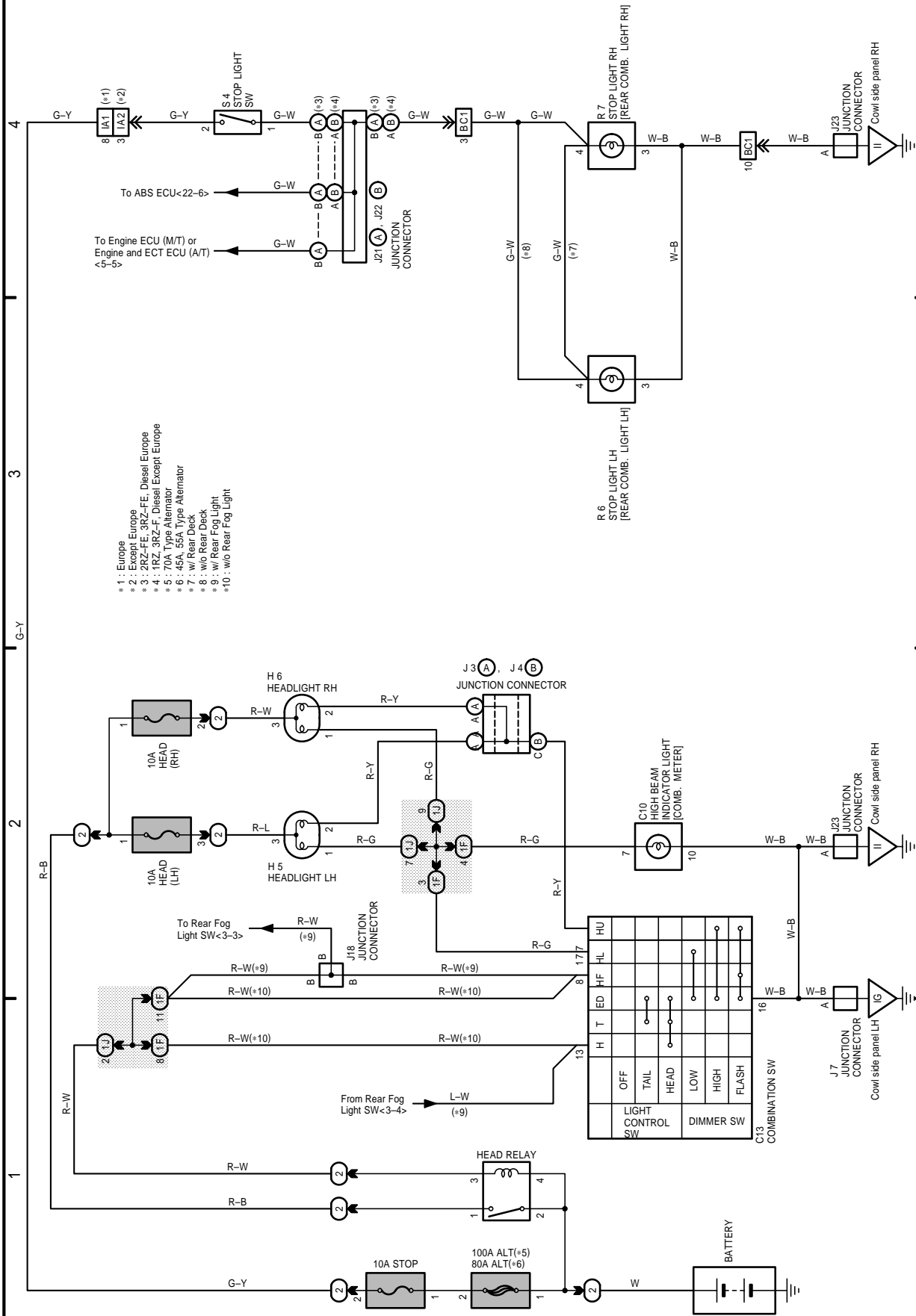
I OVERALL ELECTRICAL WIRING DIAGRAM



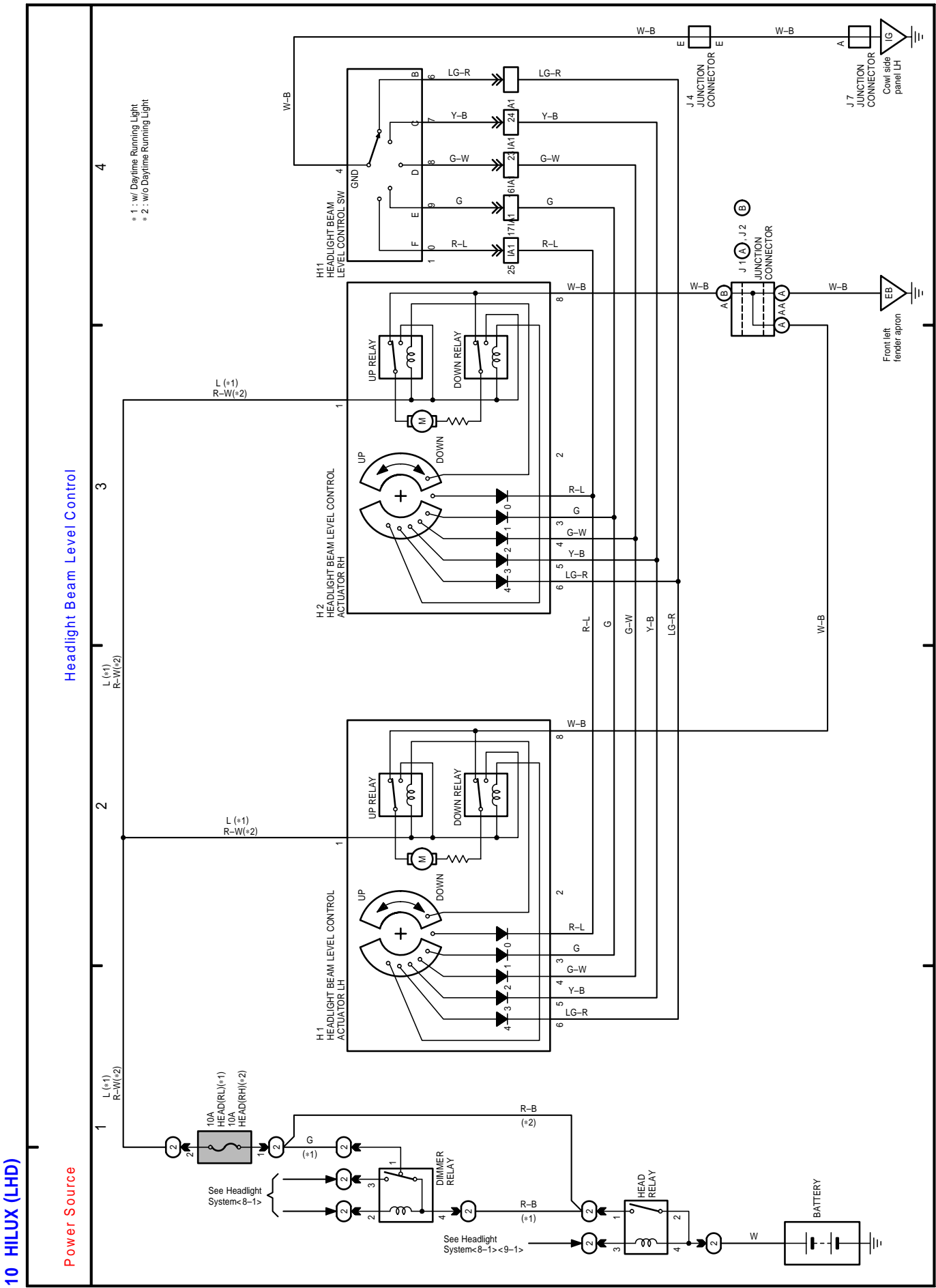
Power Source

Headlight (w/o Daytime Running Light)

Stop Light



I OVERALL ELECTRICAL WIRING DIAGRAM



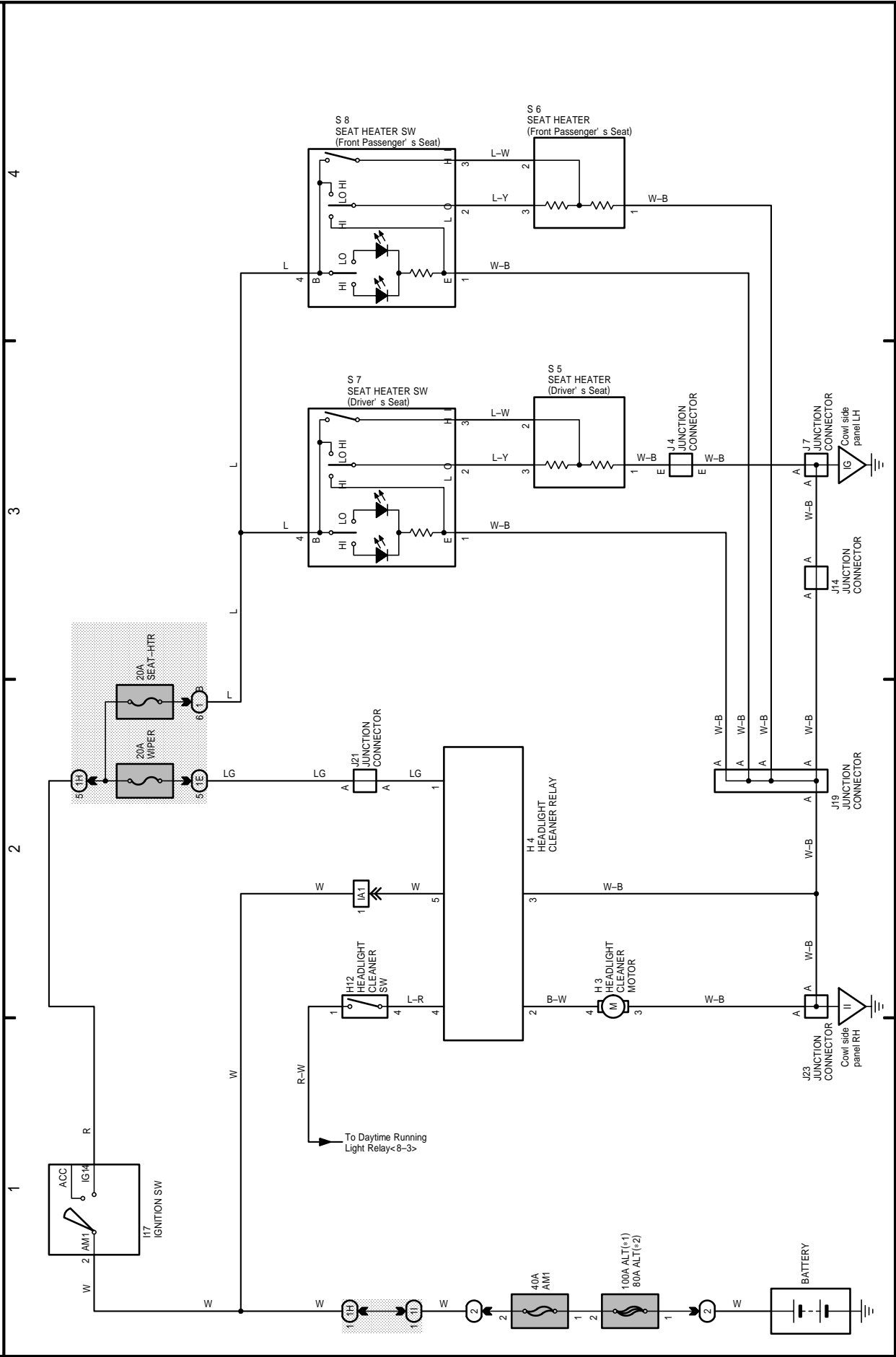
11 HILUX (LHD)

Power Source

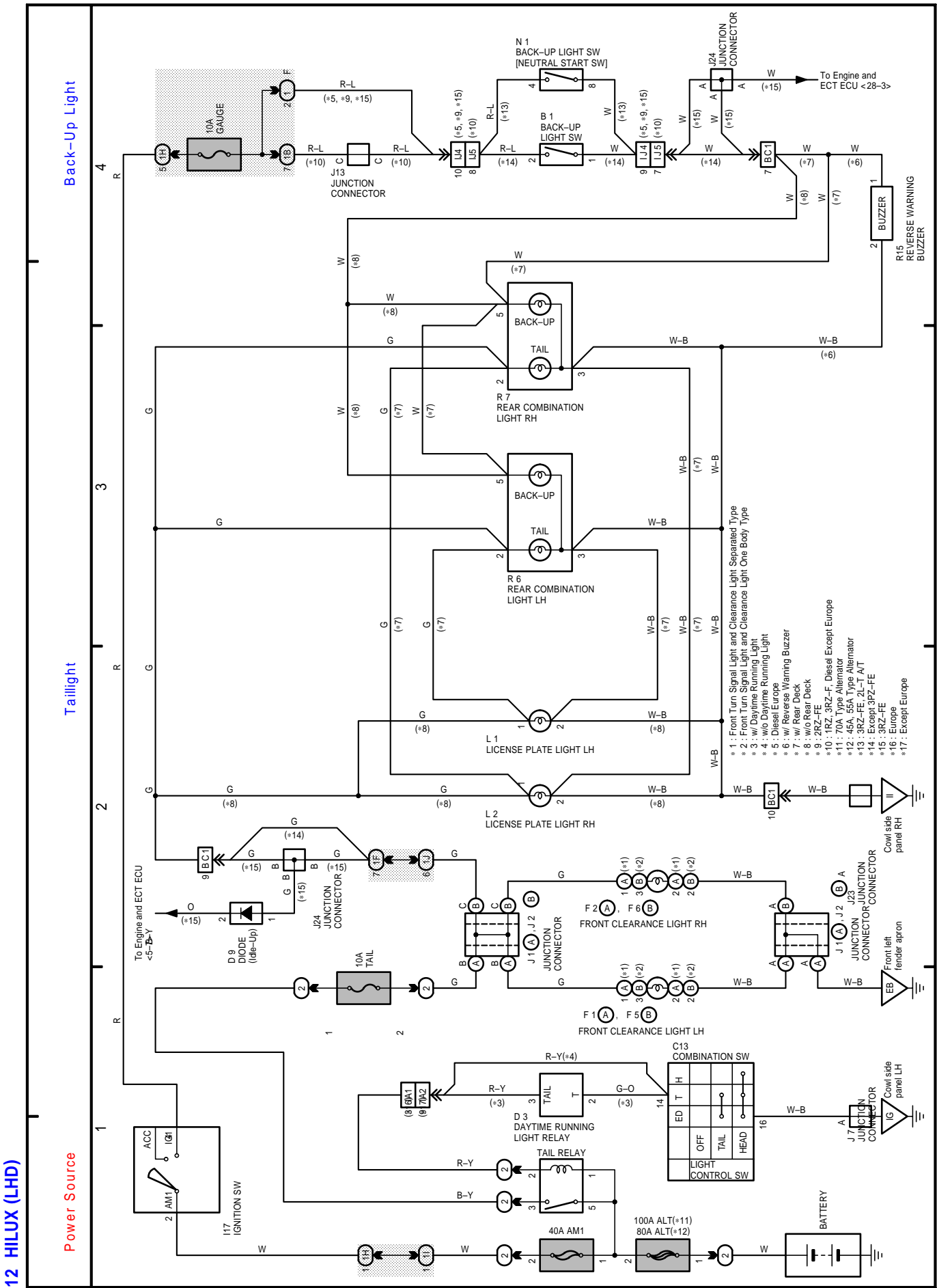
Headlight Cleaner

Seat Heater

* 1 : 70A Type Alternator
* 2 : 45A, 55A Type Alternator



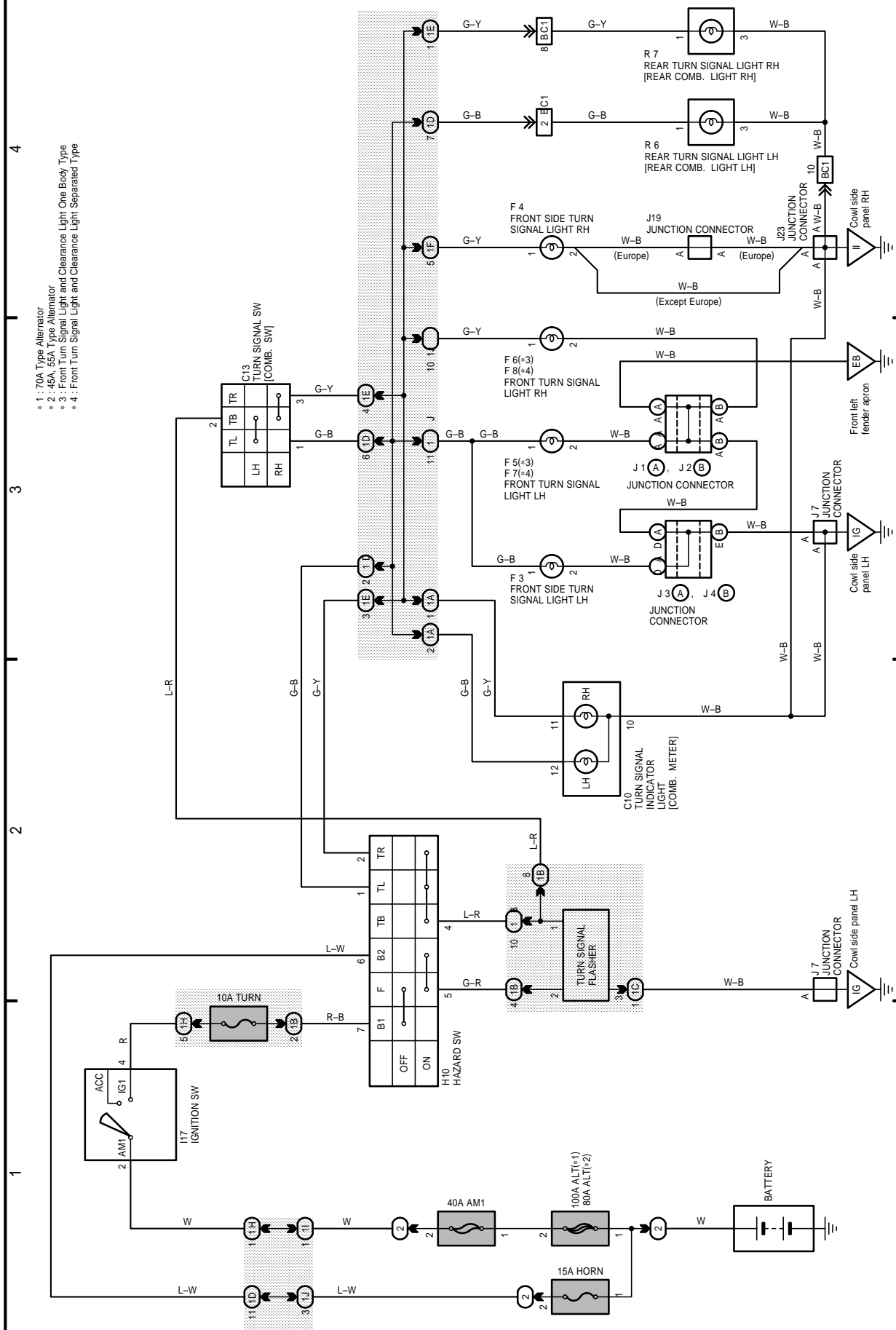
I OVERALL ELECTRICAL WIRING DIAGRAM



13 HILUX (LHD)

Power Source

Turn Signal and Hazard Warning Light

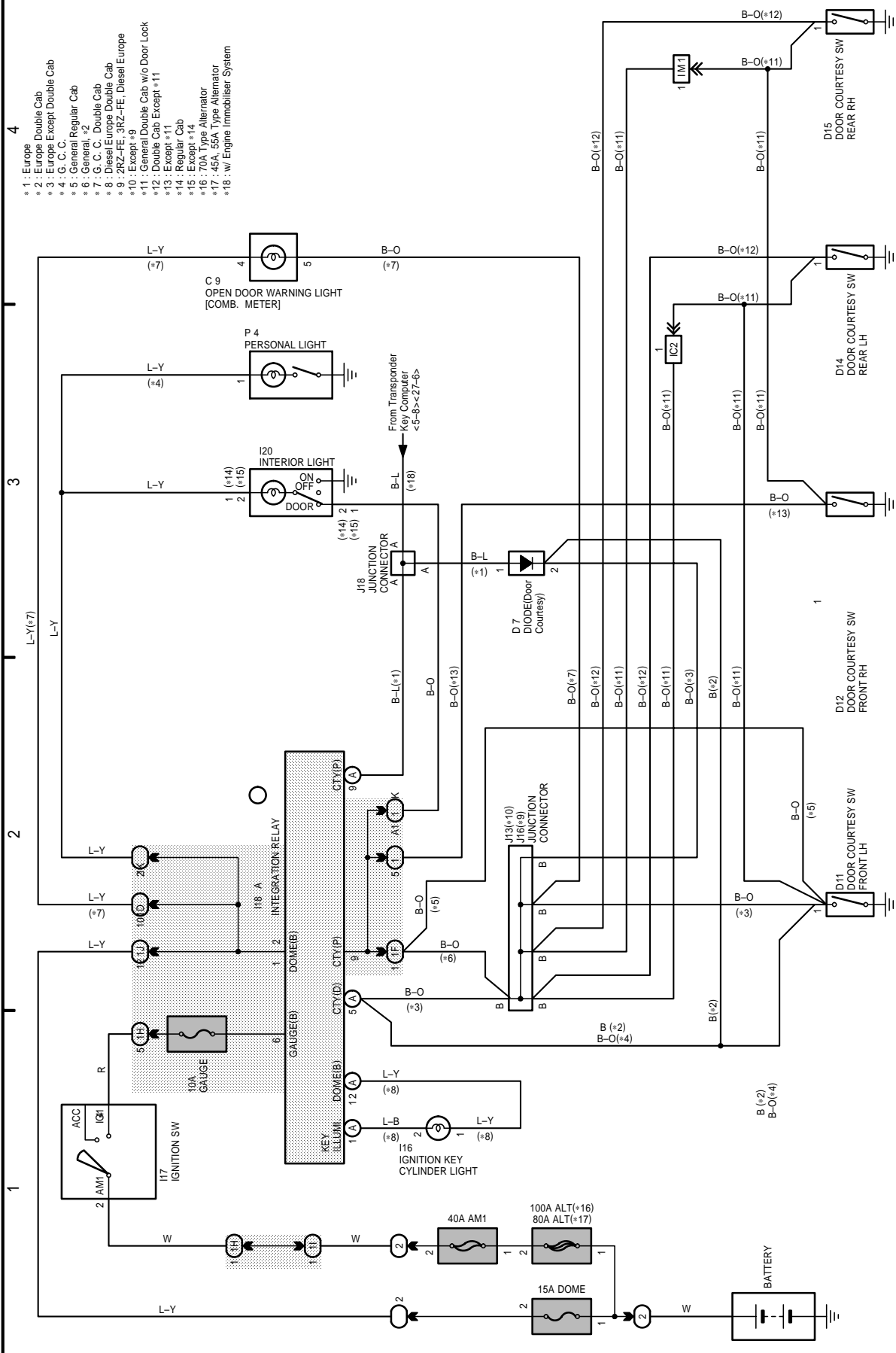


I OVERALL ELECTRICAL WIRING DIAGRAM

14 HILUX (LHD)

Power Source

Interior Light

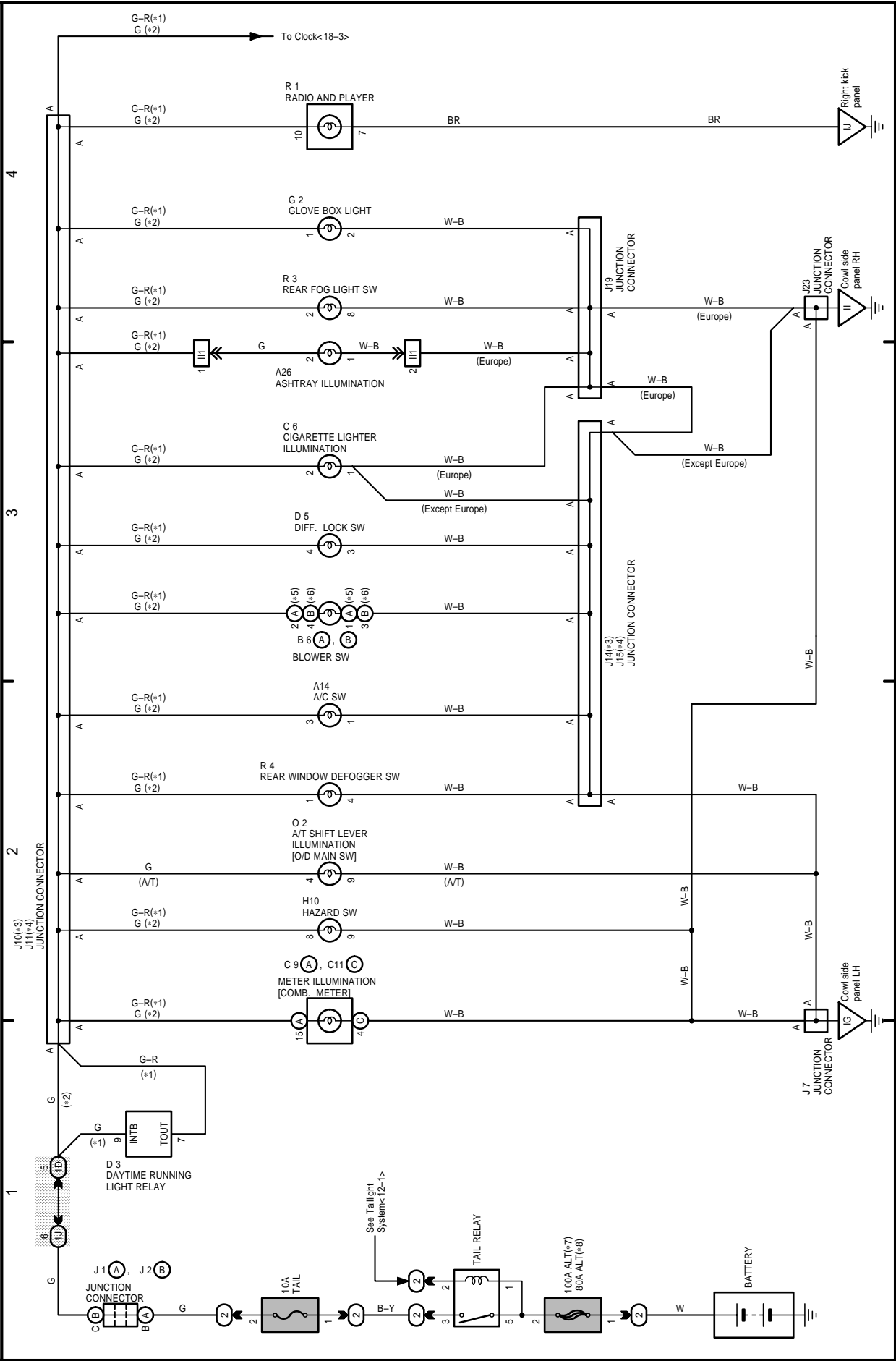


15 HILUX (LHD)

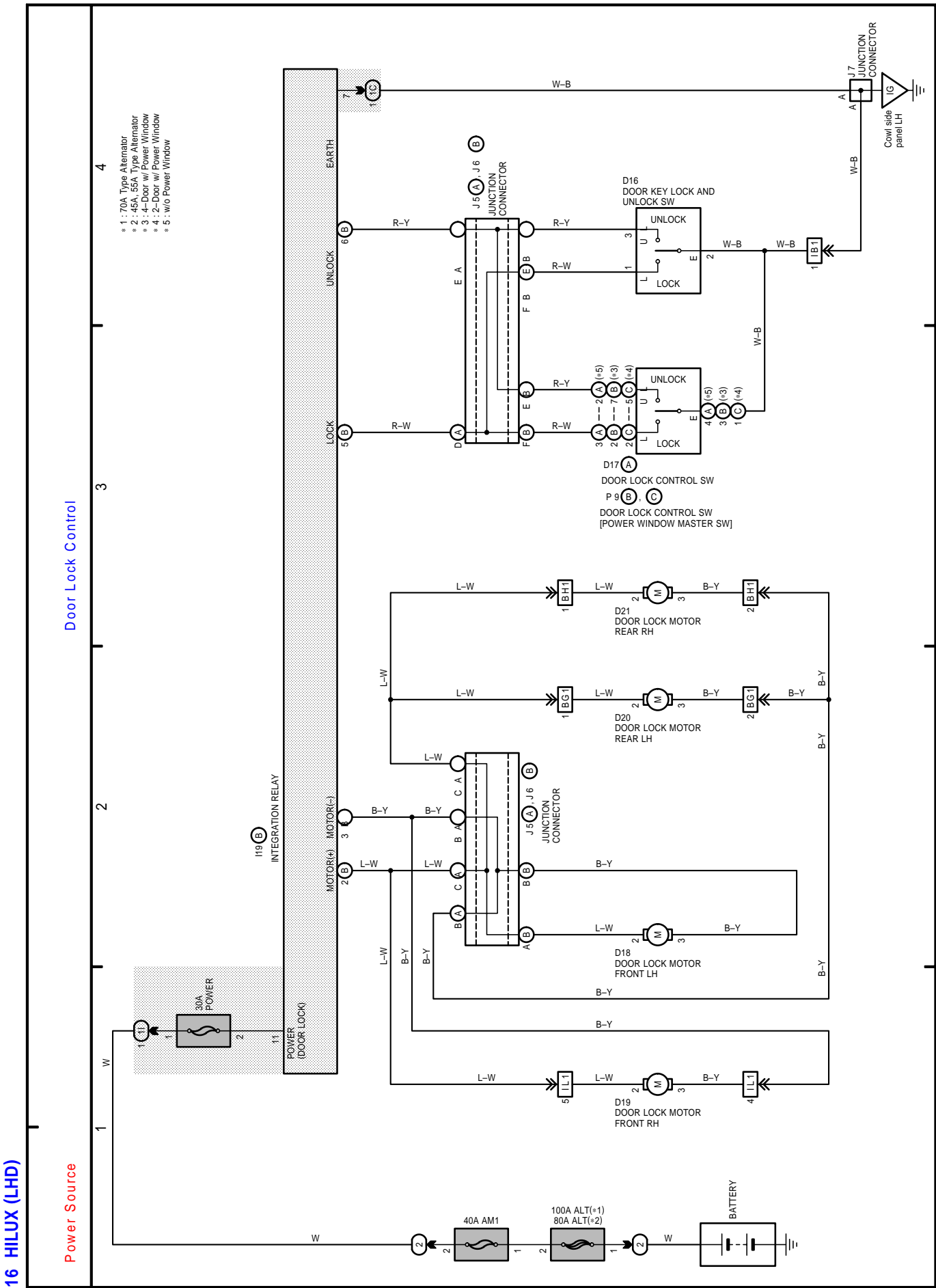
Power Source

Illumination

- * 1 : w/ Daytime Running Light
- * 2 : w/o Daytime Running Light
- * 3 : 2RZ-FE, 3RZ-FE, Diesel Europe
- * 4 : Except * 3
- * 5 : Europe, G. C. C.
- * 6 : General
- * 7 : 70A Type Alternator
- * 8 : 45A, 55A Type Alternator



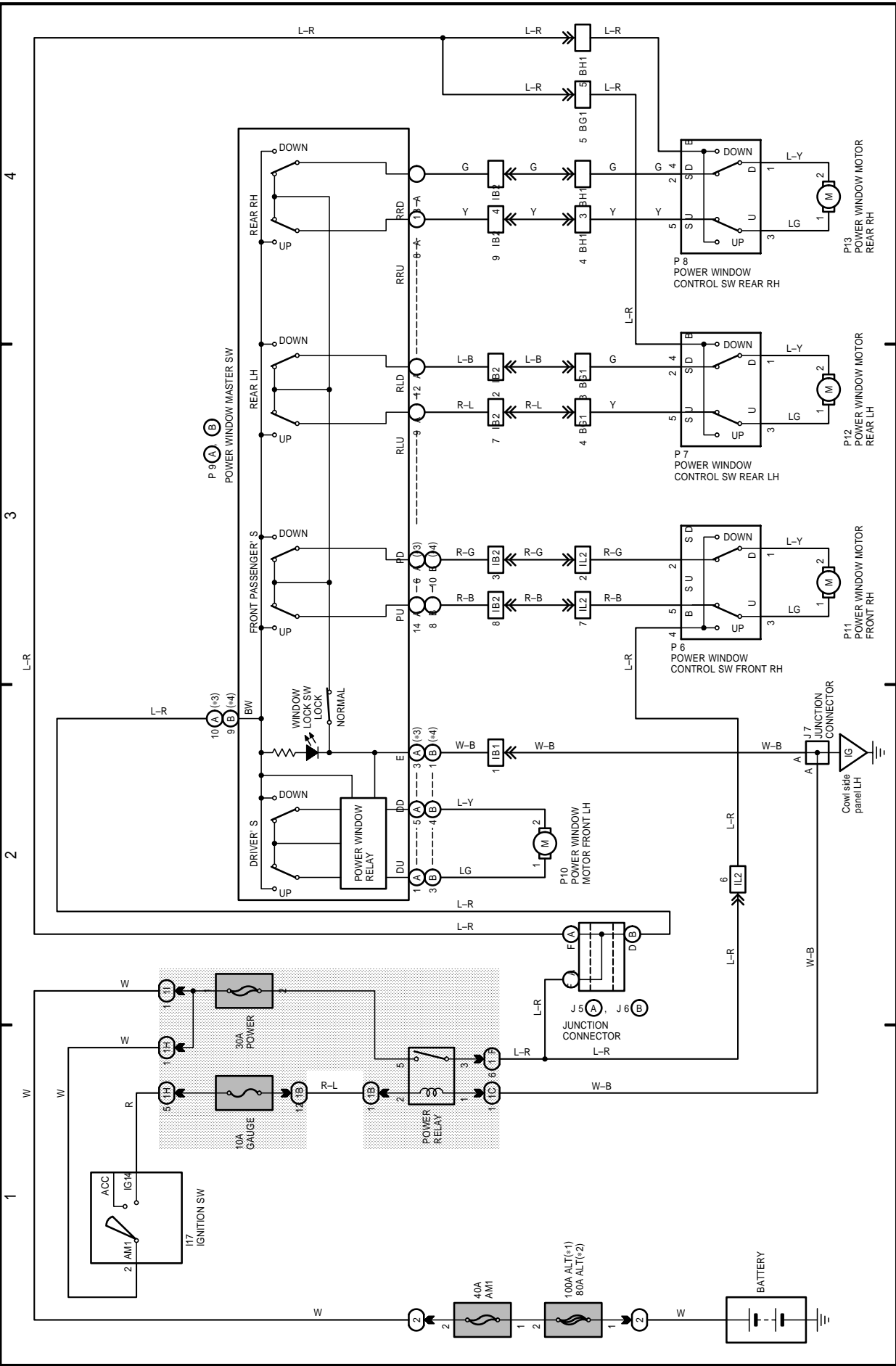
I OVERALL ELECTRICAL WIRING DIAGRAM



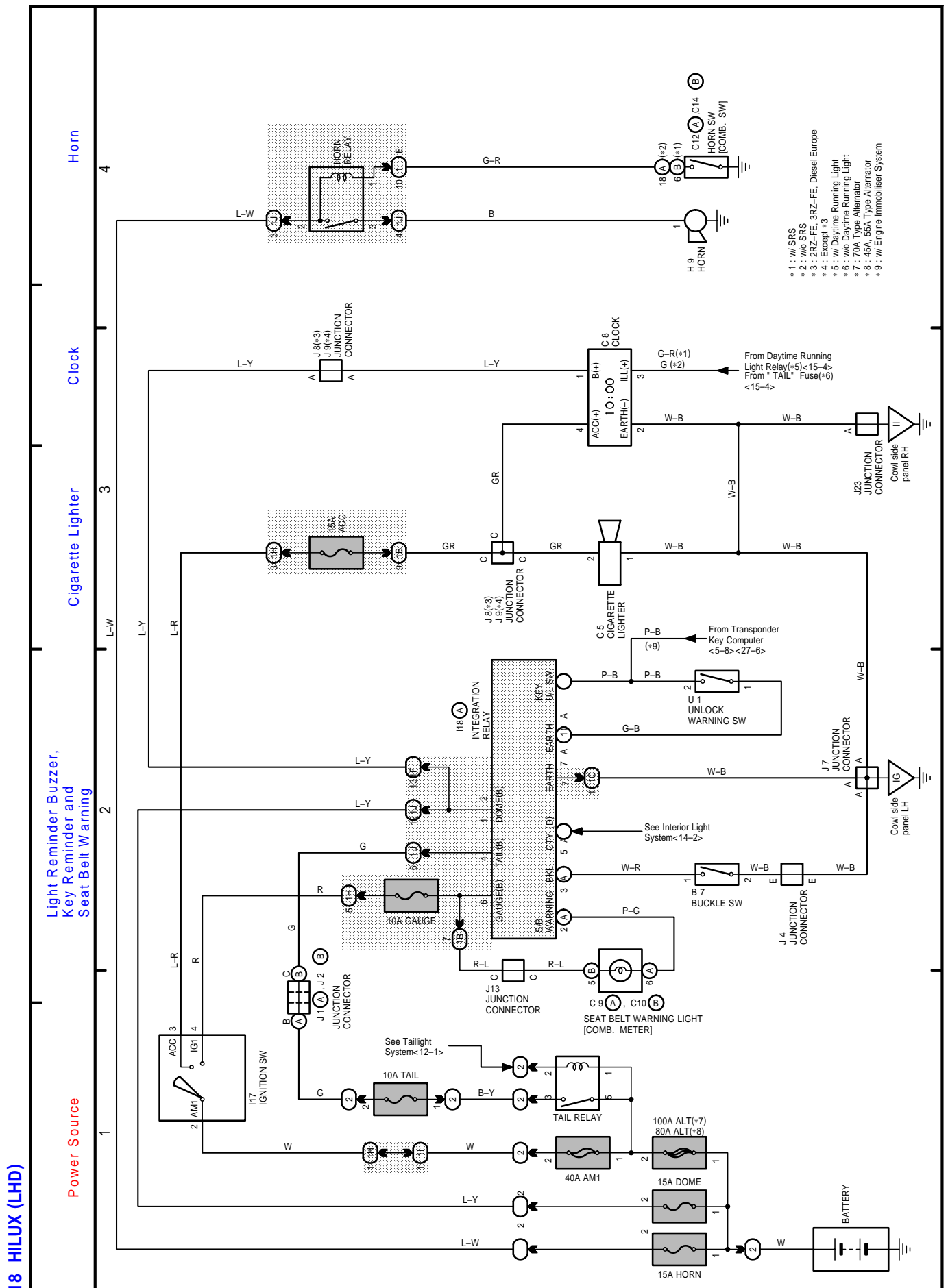
Power Source

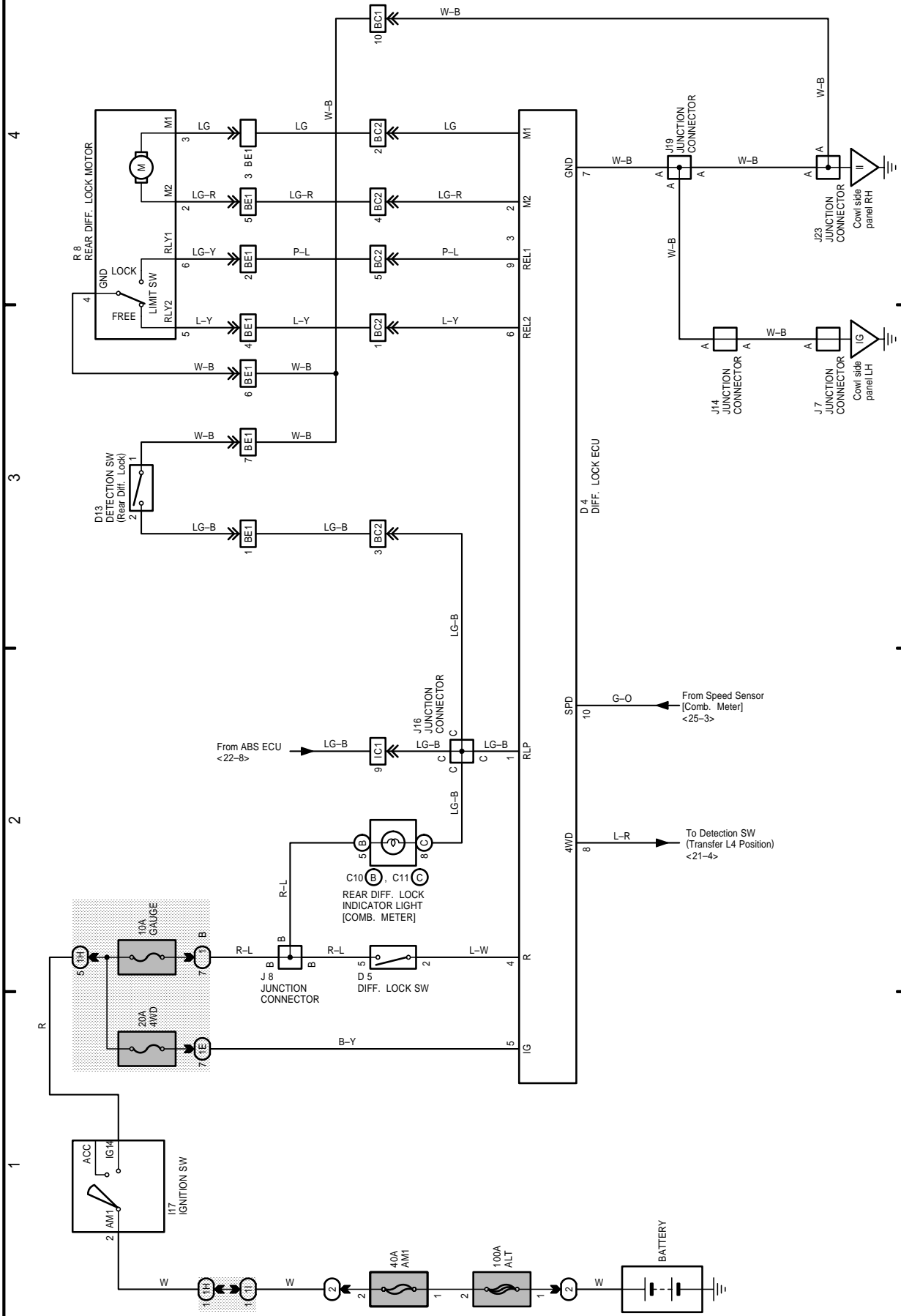
Power Window

- * 1: 70A Type Alternator
- * 2: 45A 55A Type Alternator
- * 3: 4-Door
- * 4: 2-Door



I OVERALL ELECTRICAL WIRING DIAGRAM





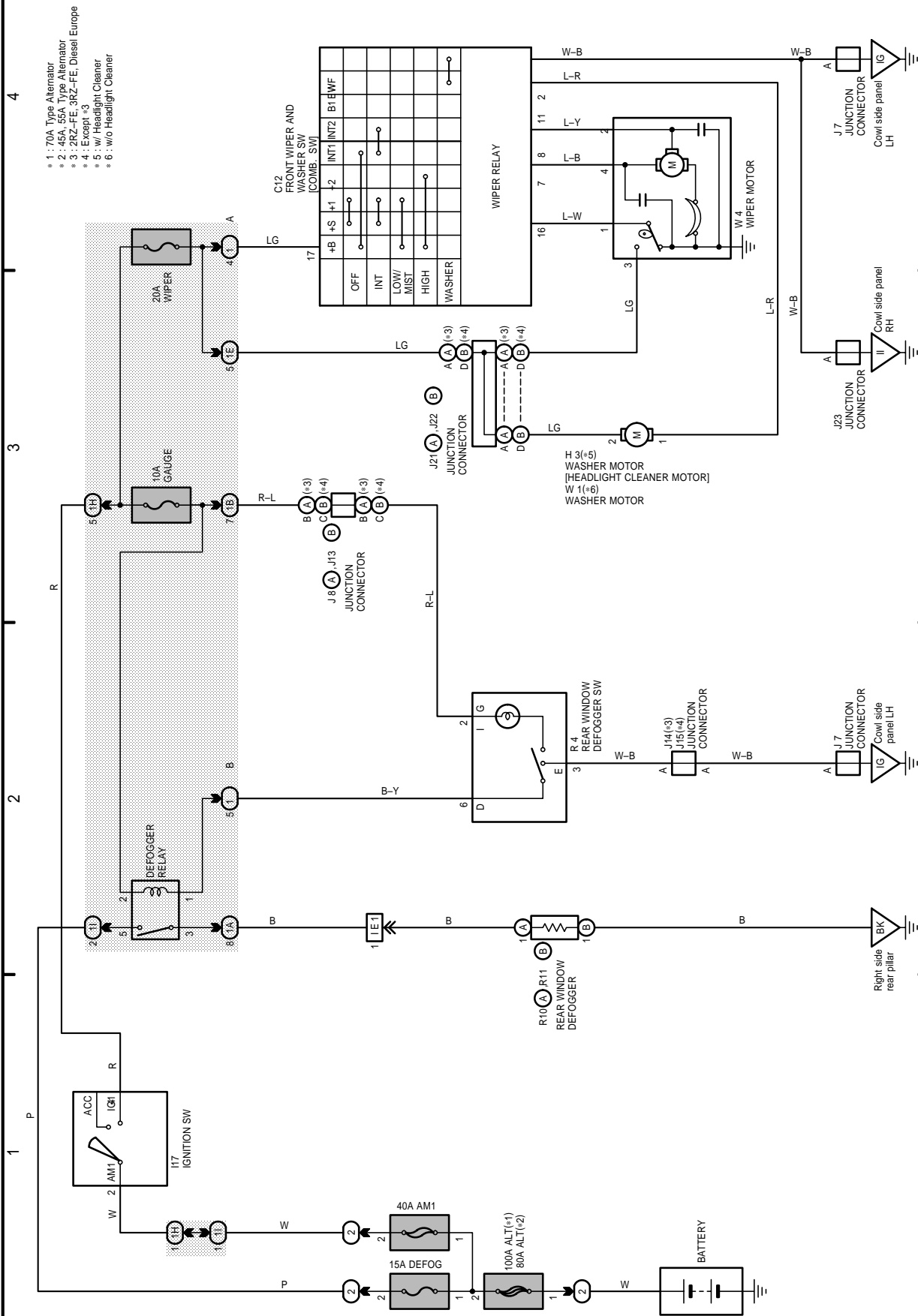
I OVERALL ELECTRICAL WIRING DIAGRAM

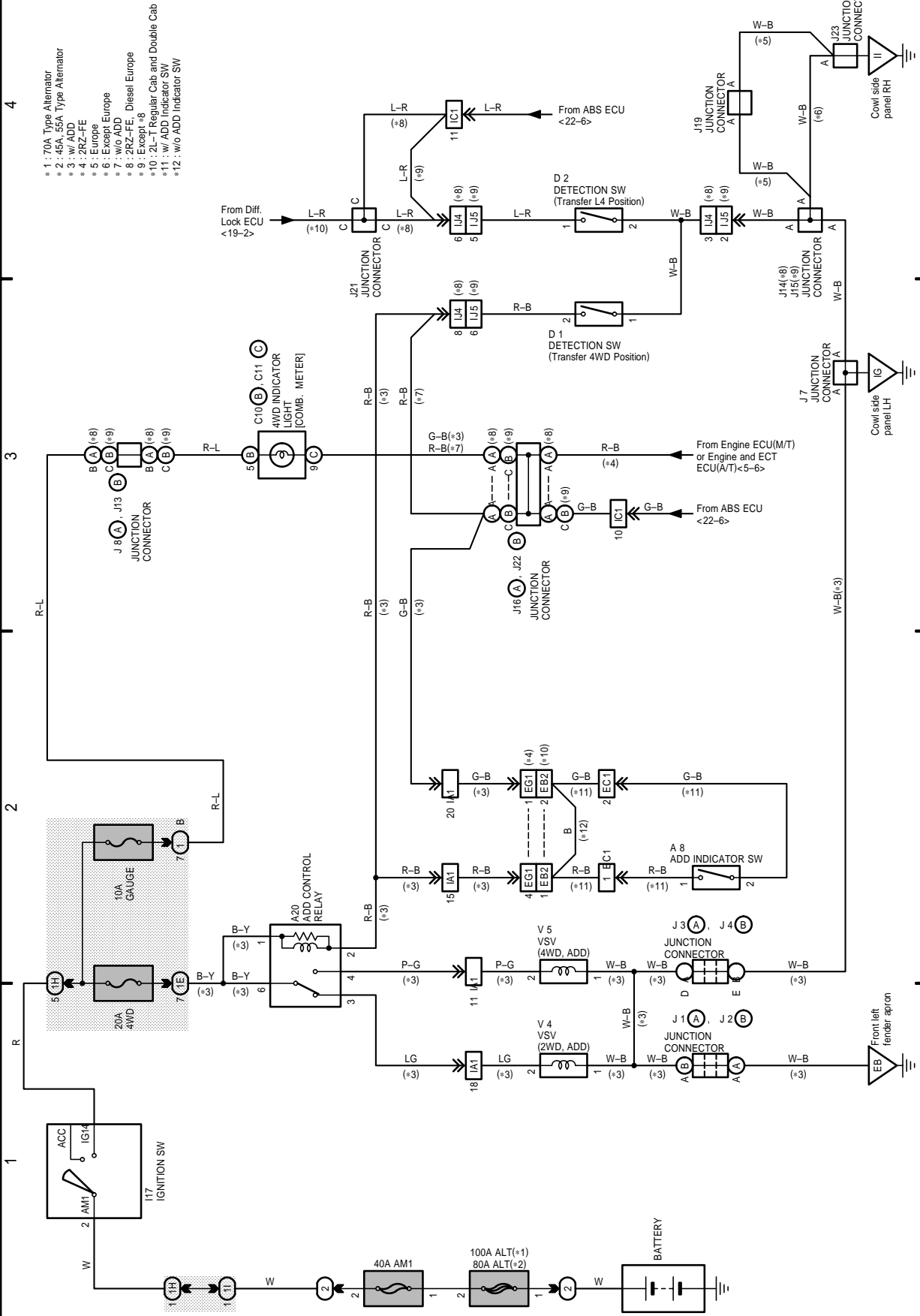
20 HILUX (LHD)

Power Source

Rear Window Defogger

Front Wiper and Washer





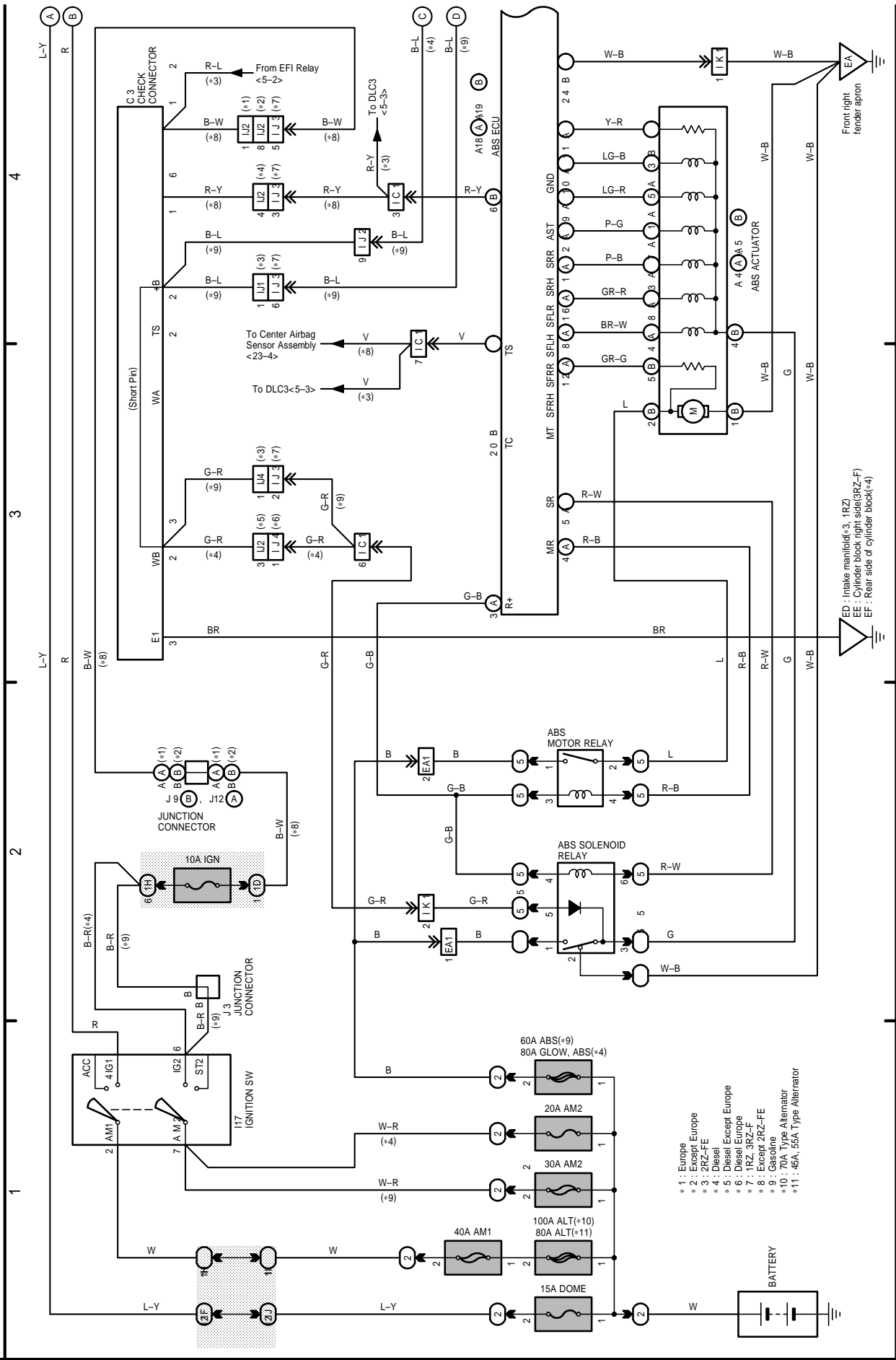
I OVERALL ELECTRICAL WIRING DIAGRAM

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22 HILUX (LHD)

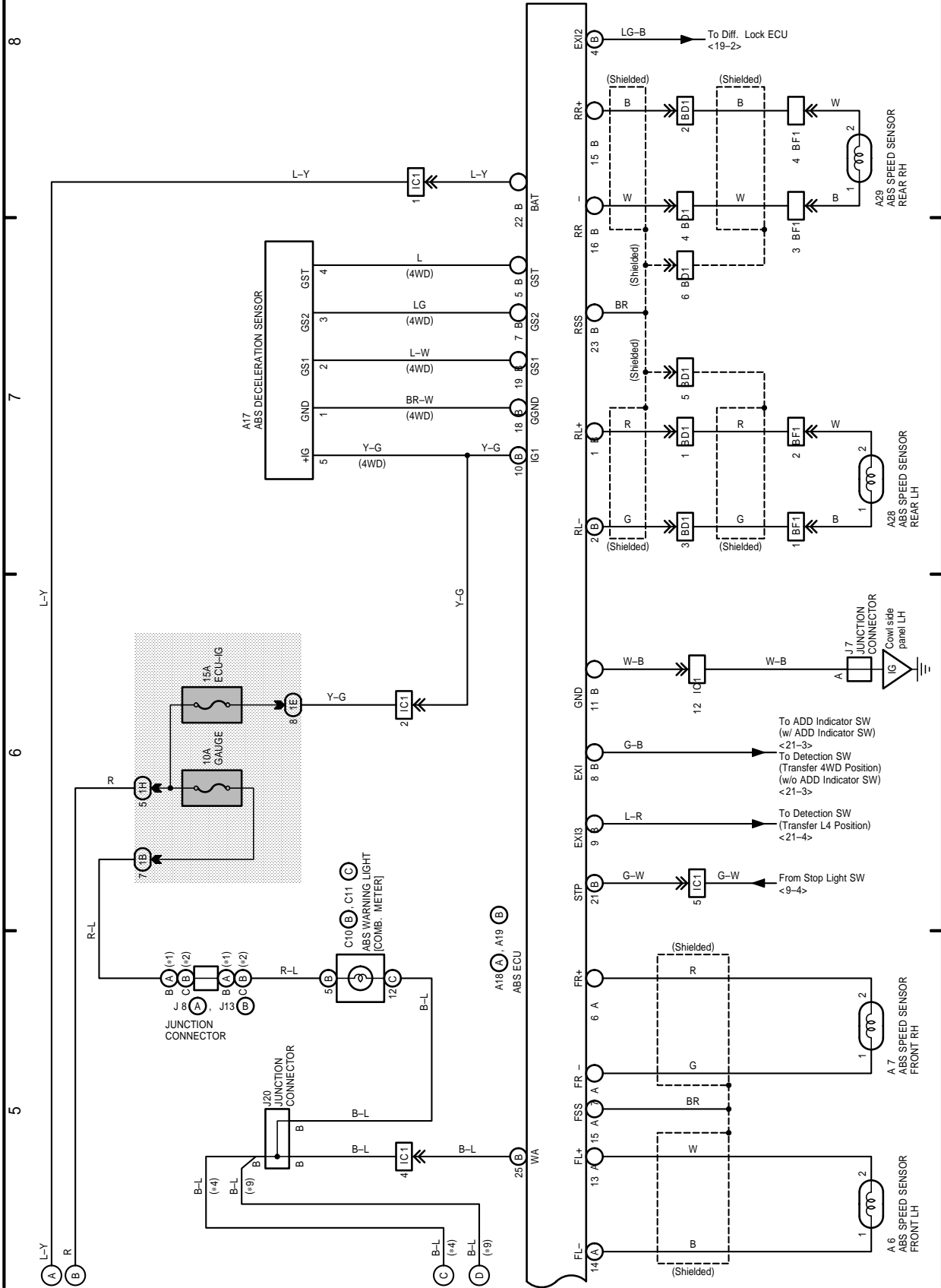
Power Source

ABS

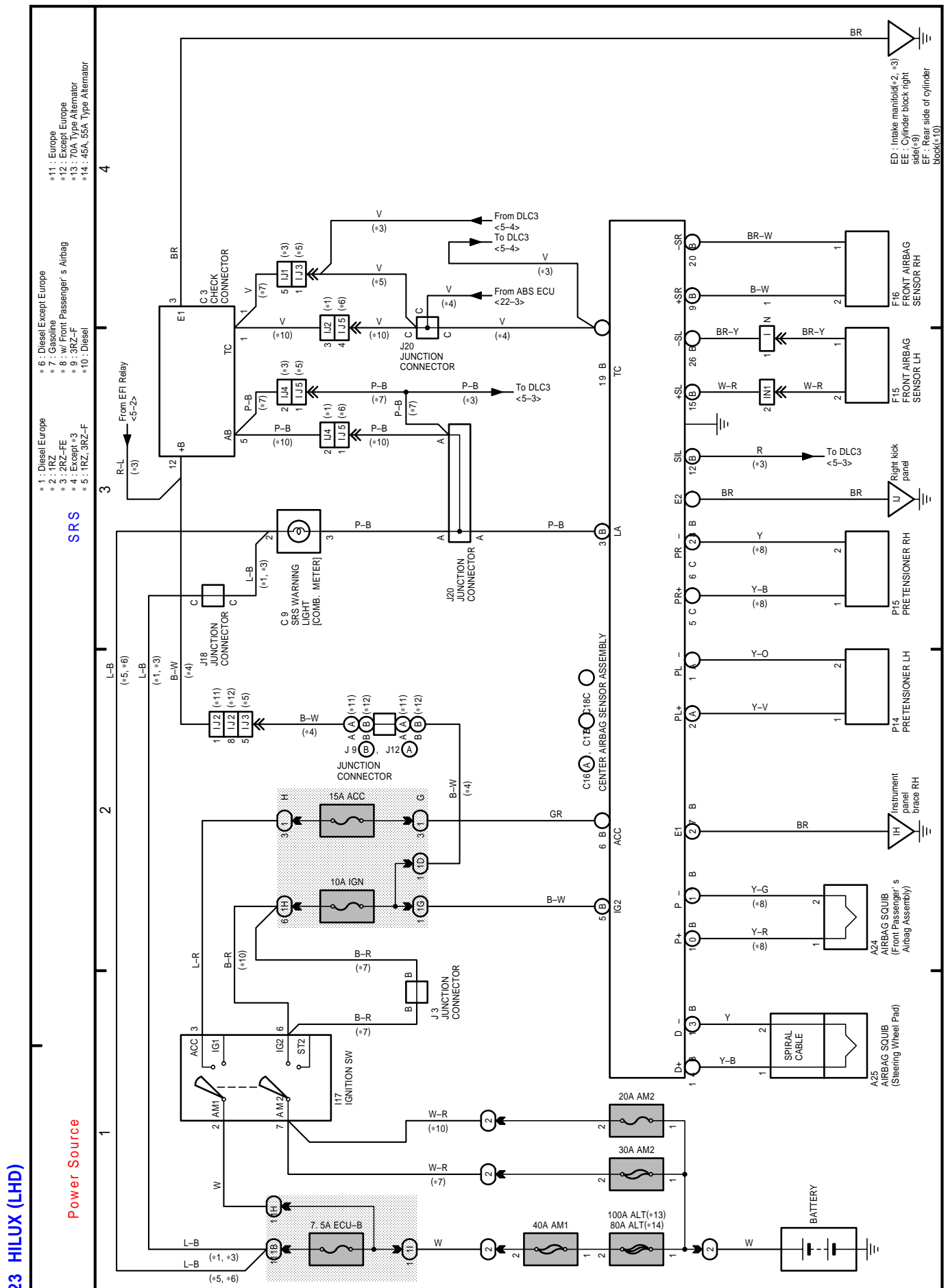


ABS

* 1 : Europe
* 2 : Except Europe
* 4 : Diesel
* 9 : Gasoline



I OVERALL ELECTRICAL WIRING DIAGRAM

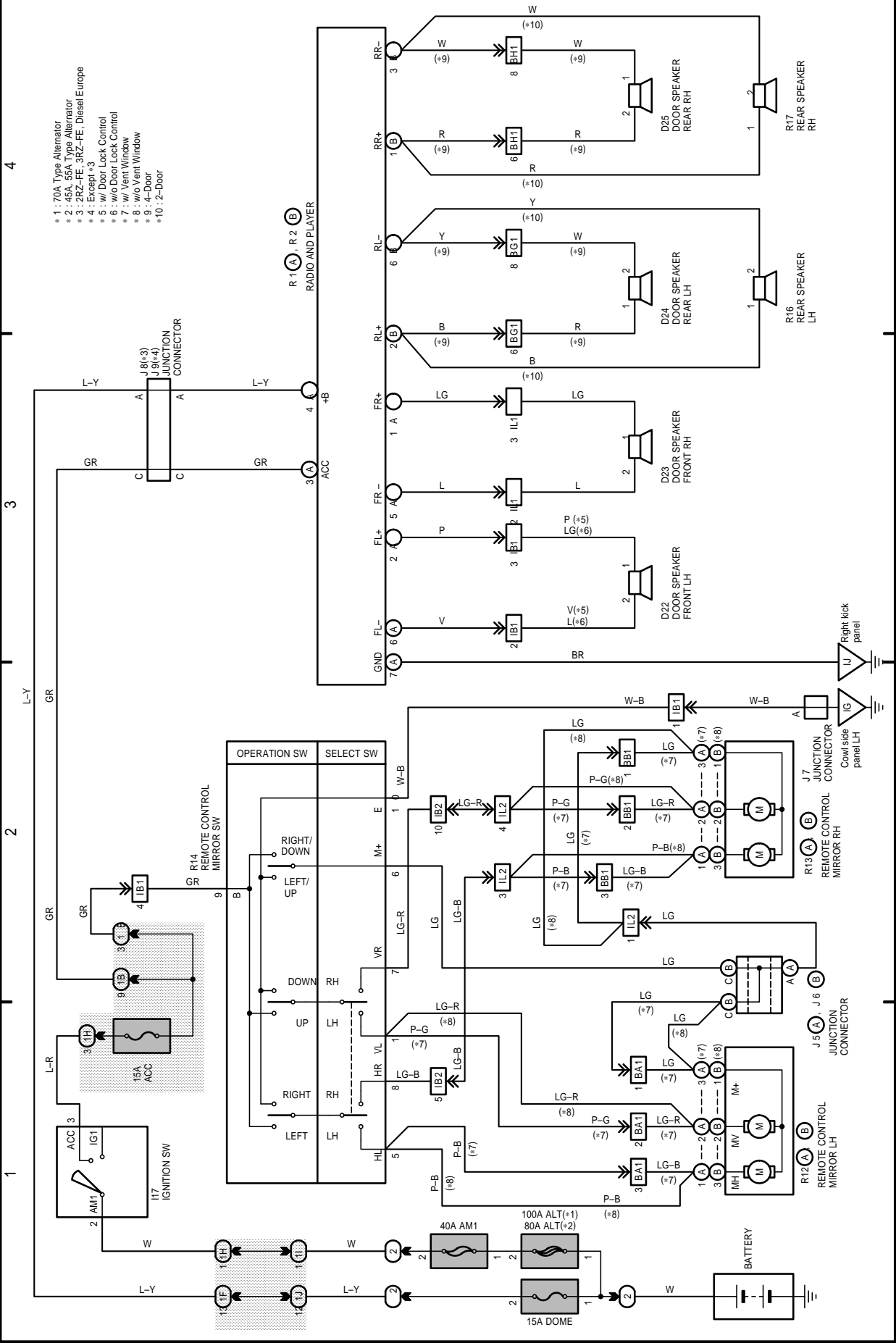


24 HILUX (LHD)

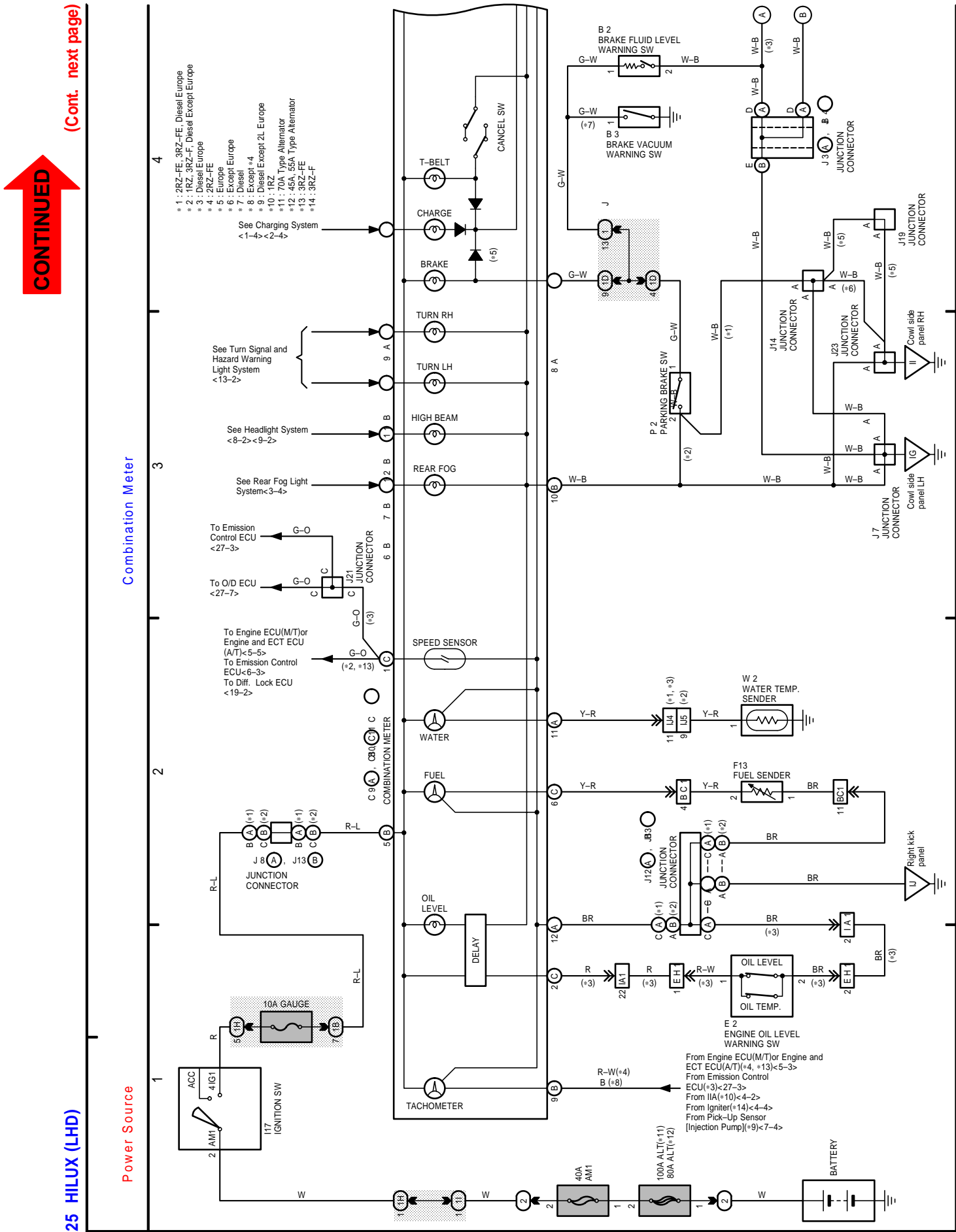
Power Source

Remote Control Mirror

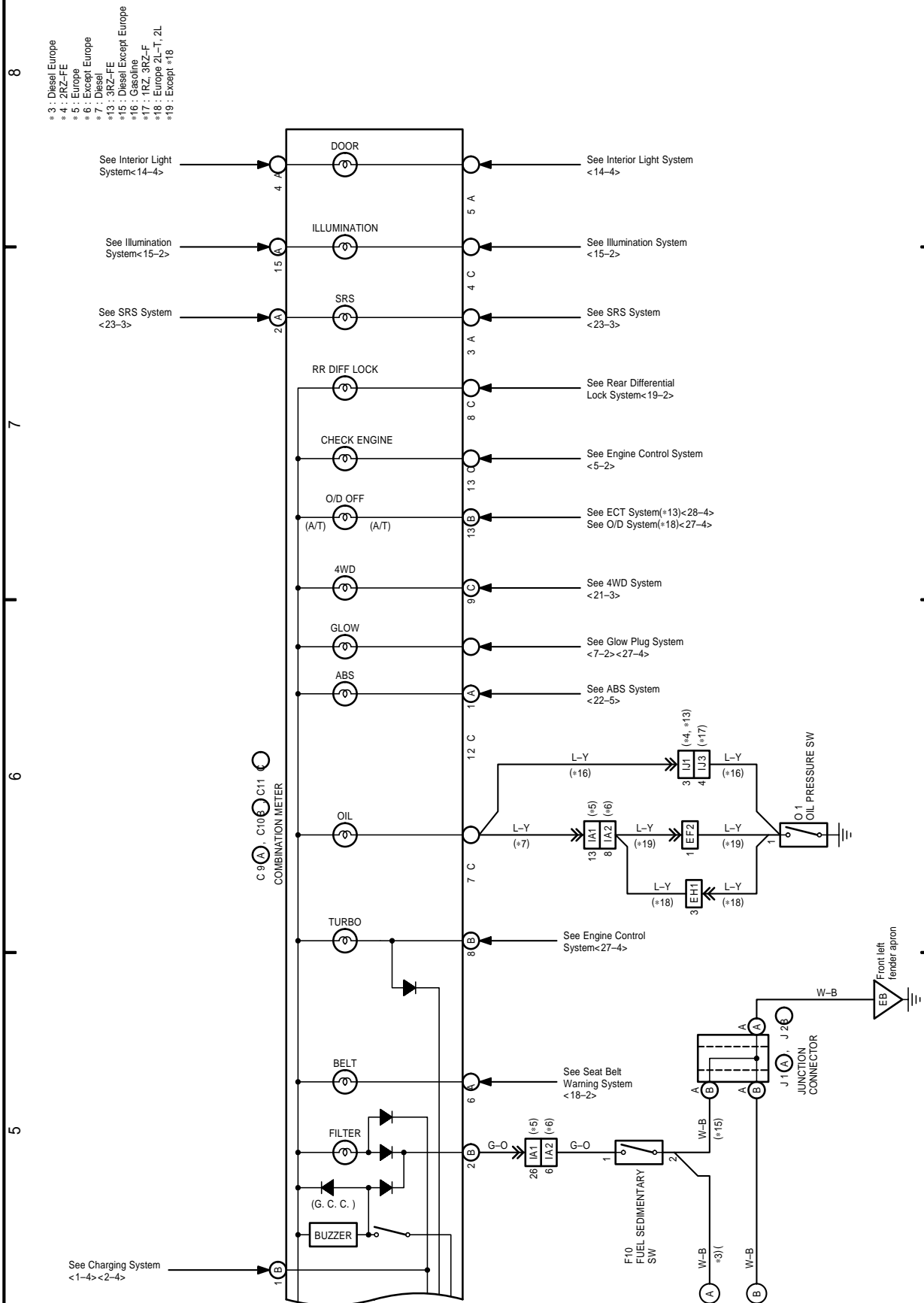
Radio and Player



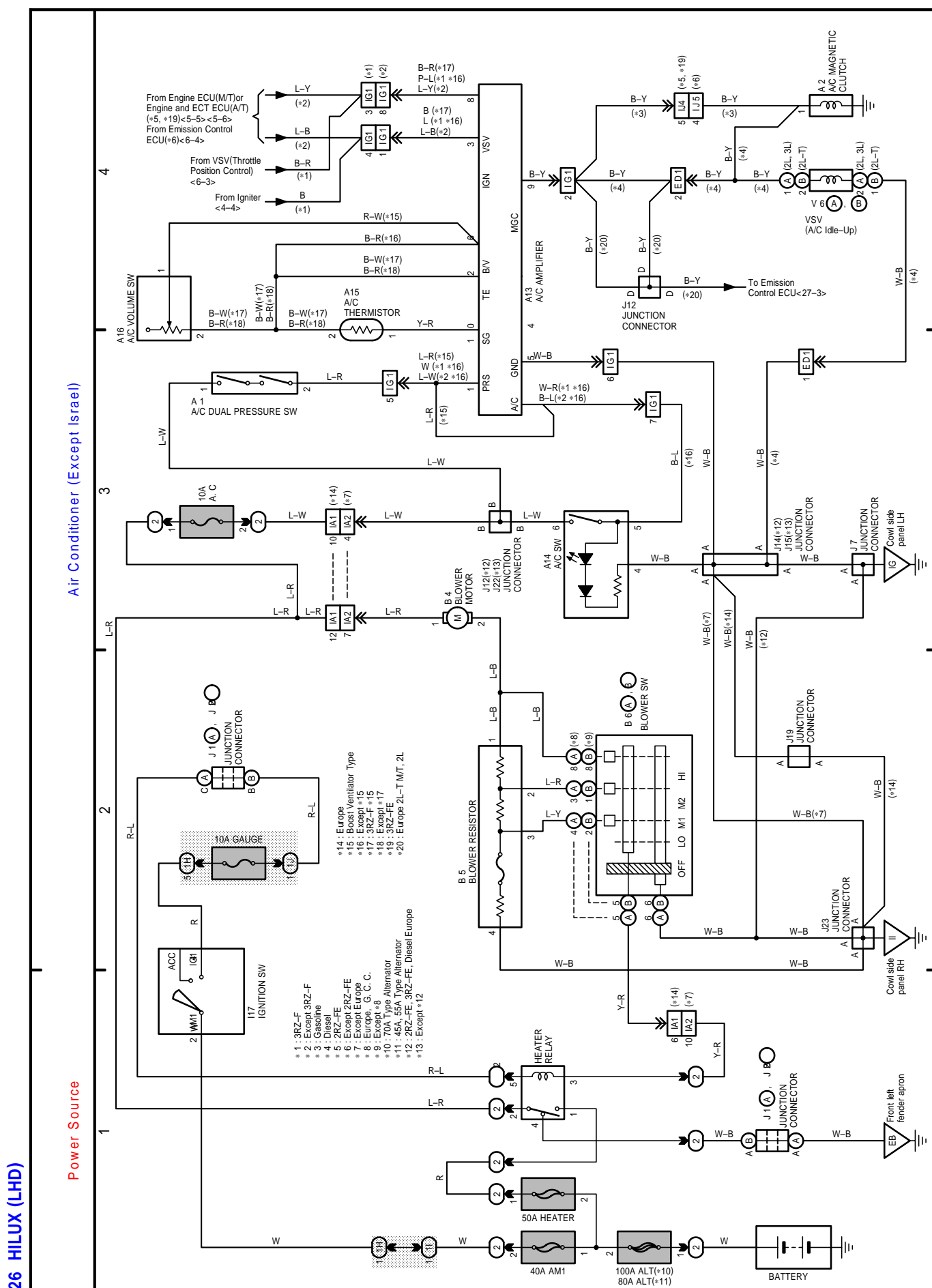
I OVERALL ELECTRICAL WIRING DIAGRAM



Combination Meter



I OVERALL ELECTRICAL WIRING DIAGRAM

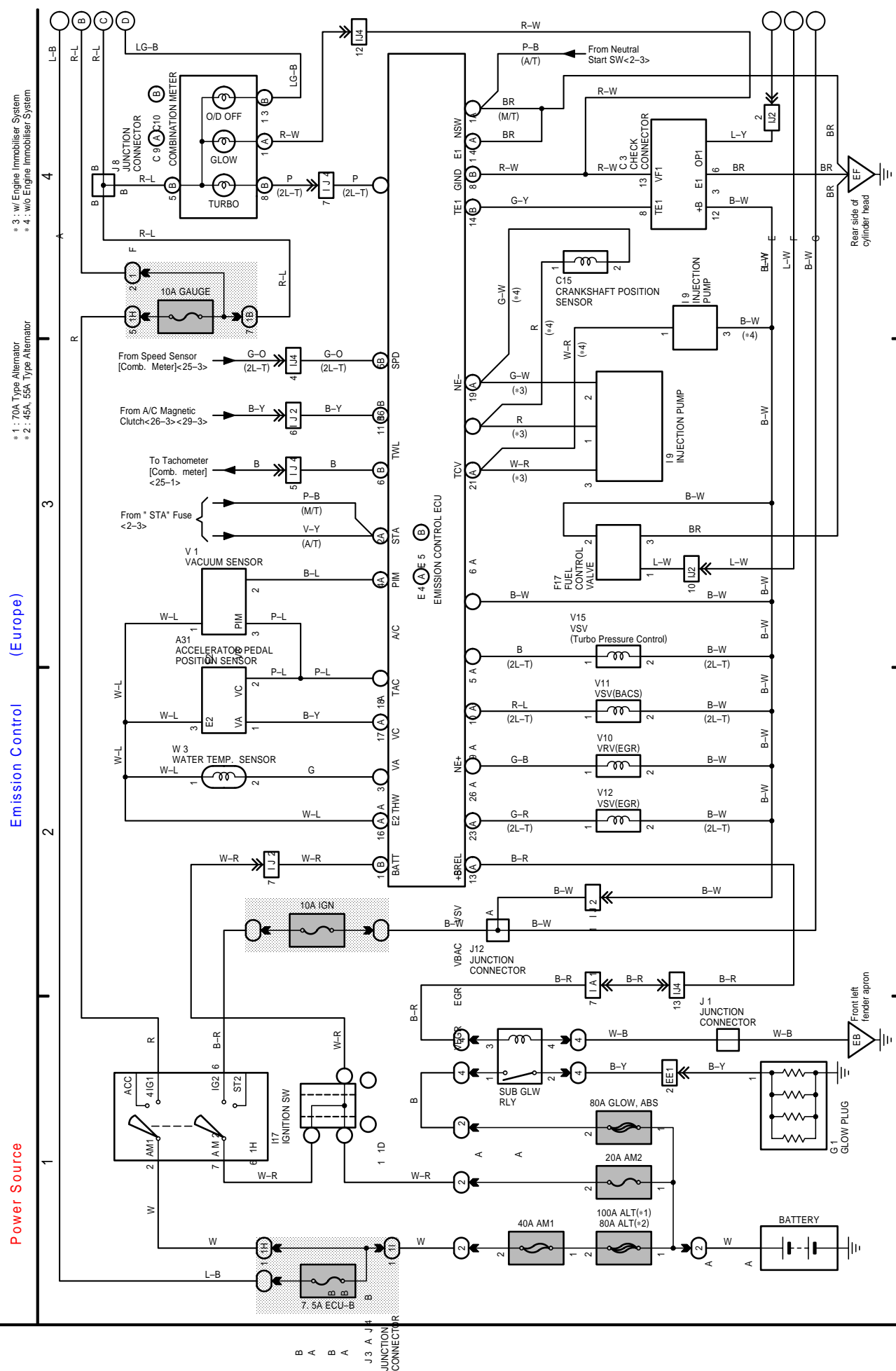


I OVERALL ELECTRICAL WIRING DIAGRAM

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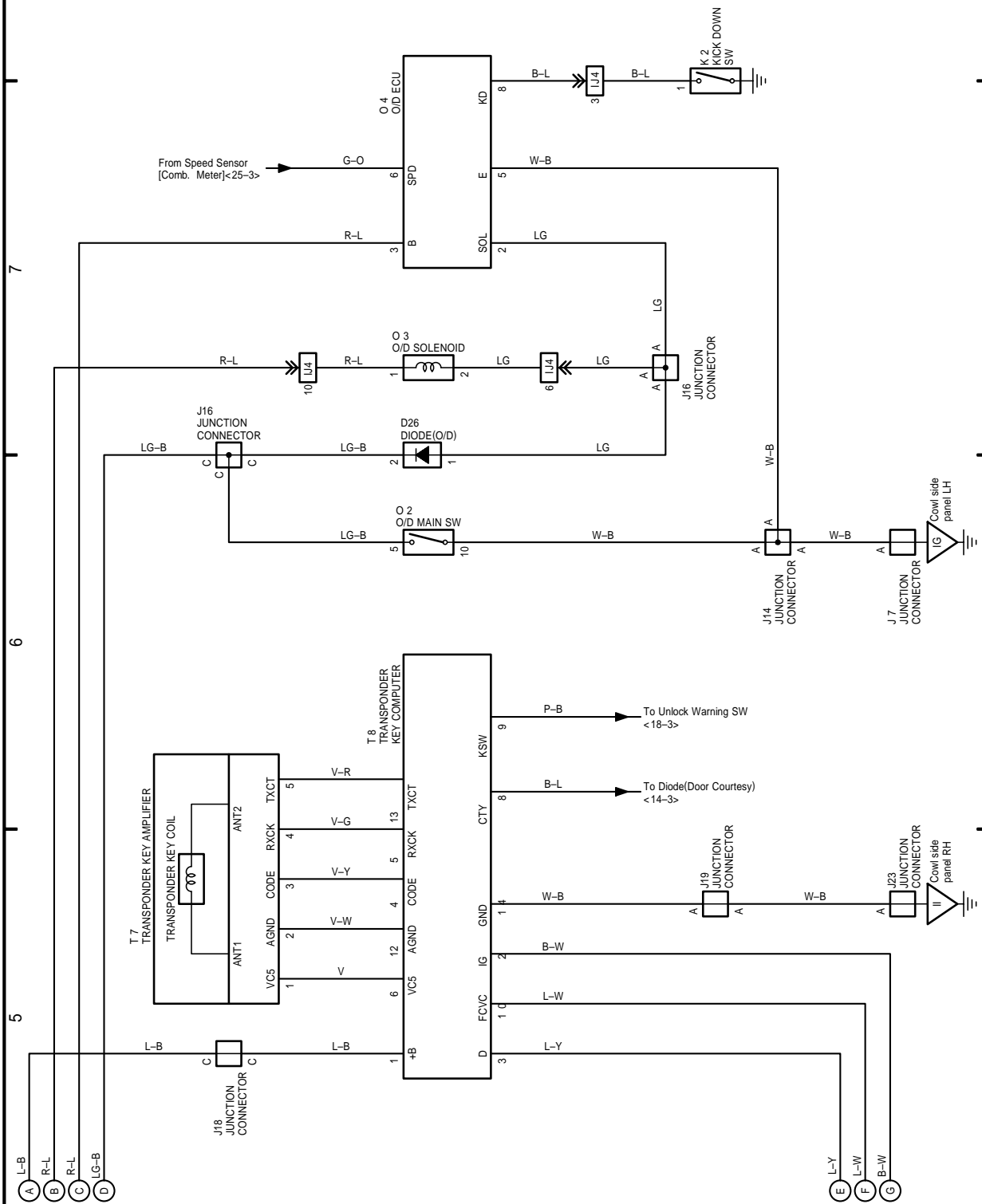
27 HILUX (LHD)



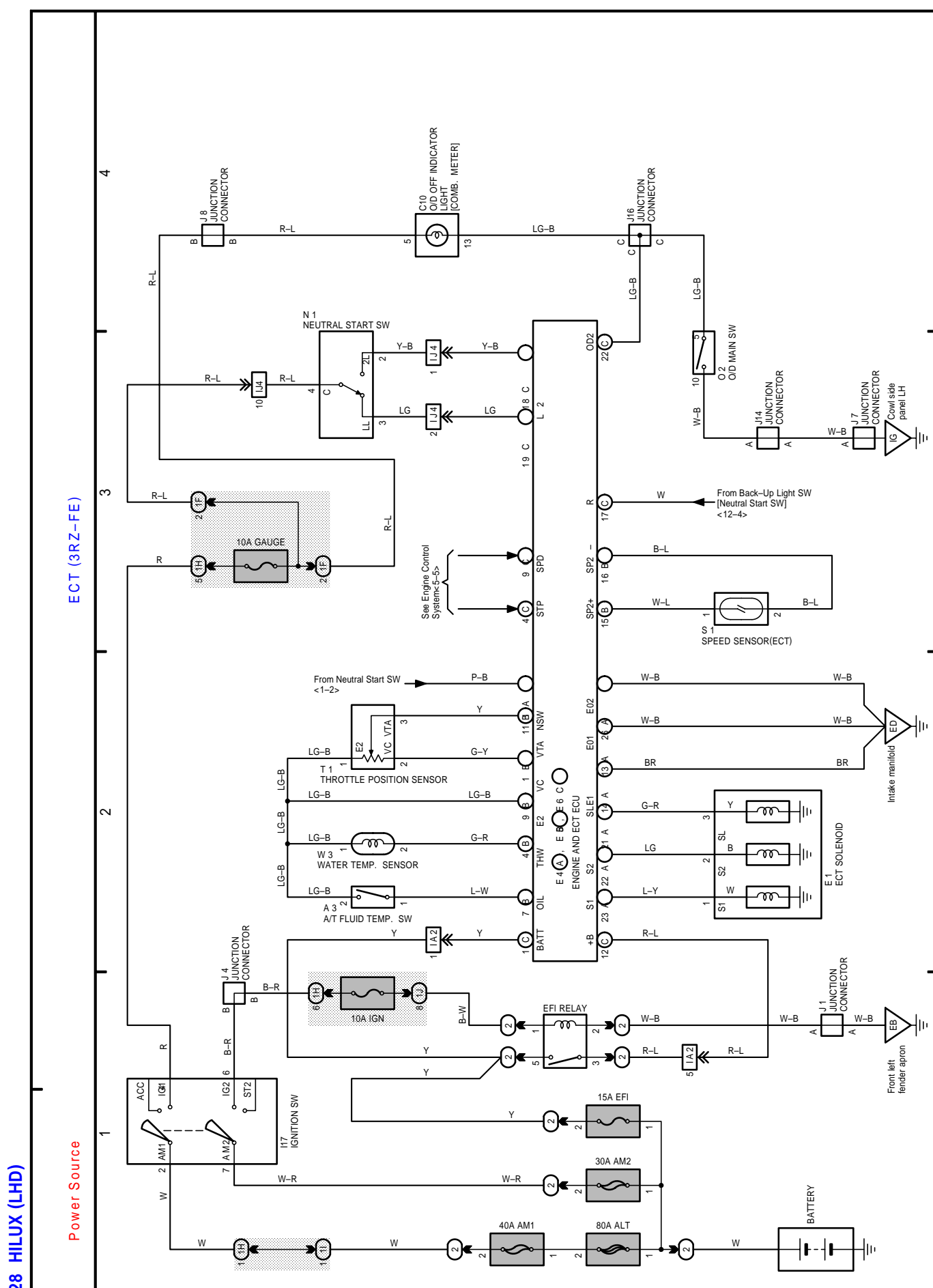
27 HILUX (LHD)

Engine Immobiliser System (Europe 2L, 2L-T)

Overdrive (Israel)



I OVERALL ELECTRICAL WIRING DIAGRAM



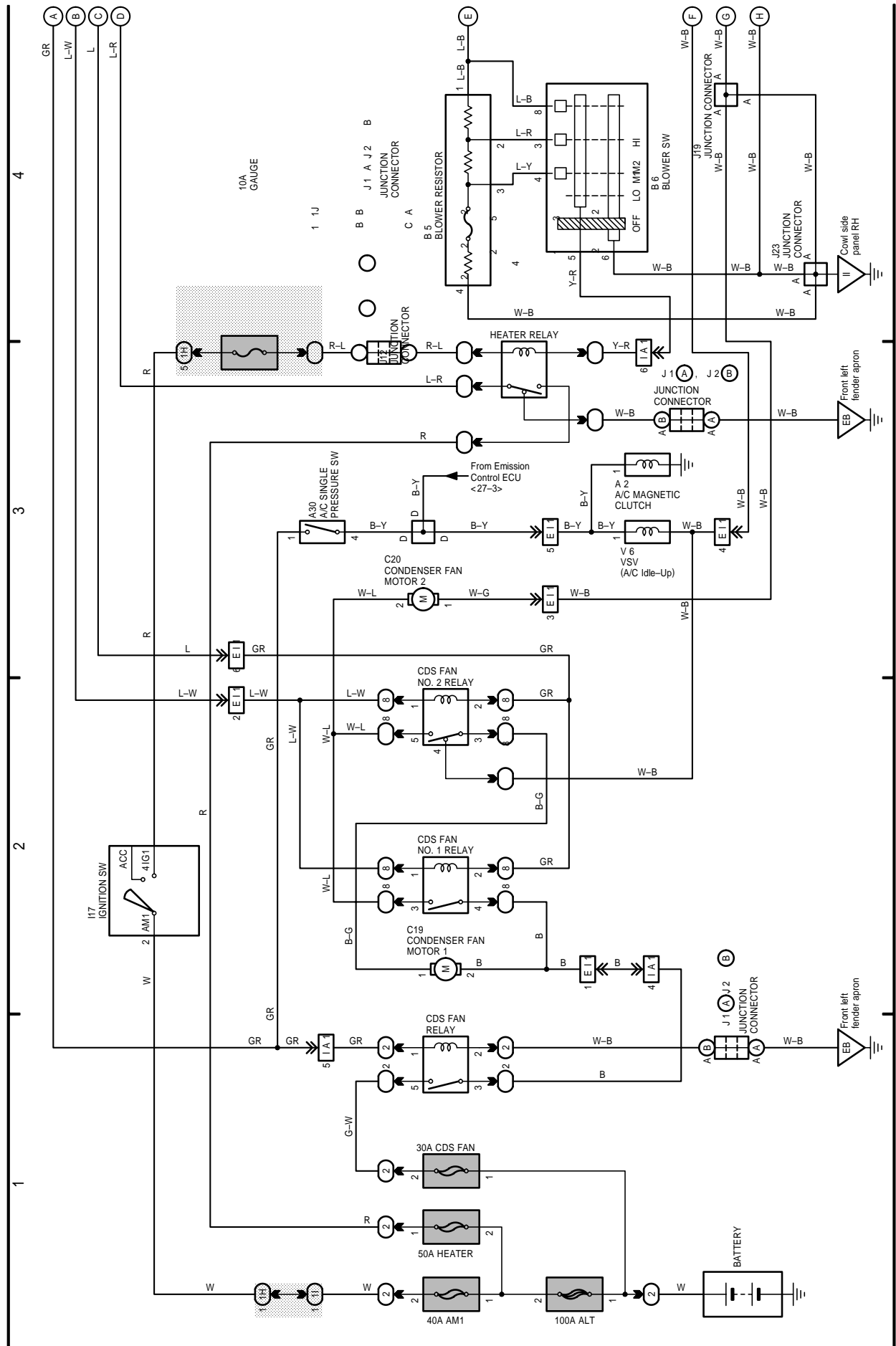
I OVERALL ELECTRICAL WIRING DIAGRAM

CONTINUED

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29 HILUX (LHD)

Air Conditioner (Israel)



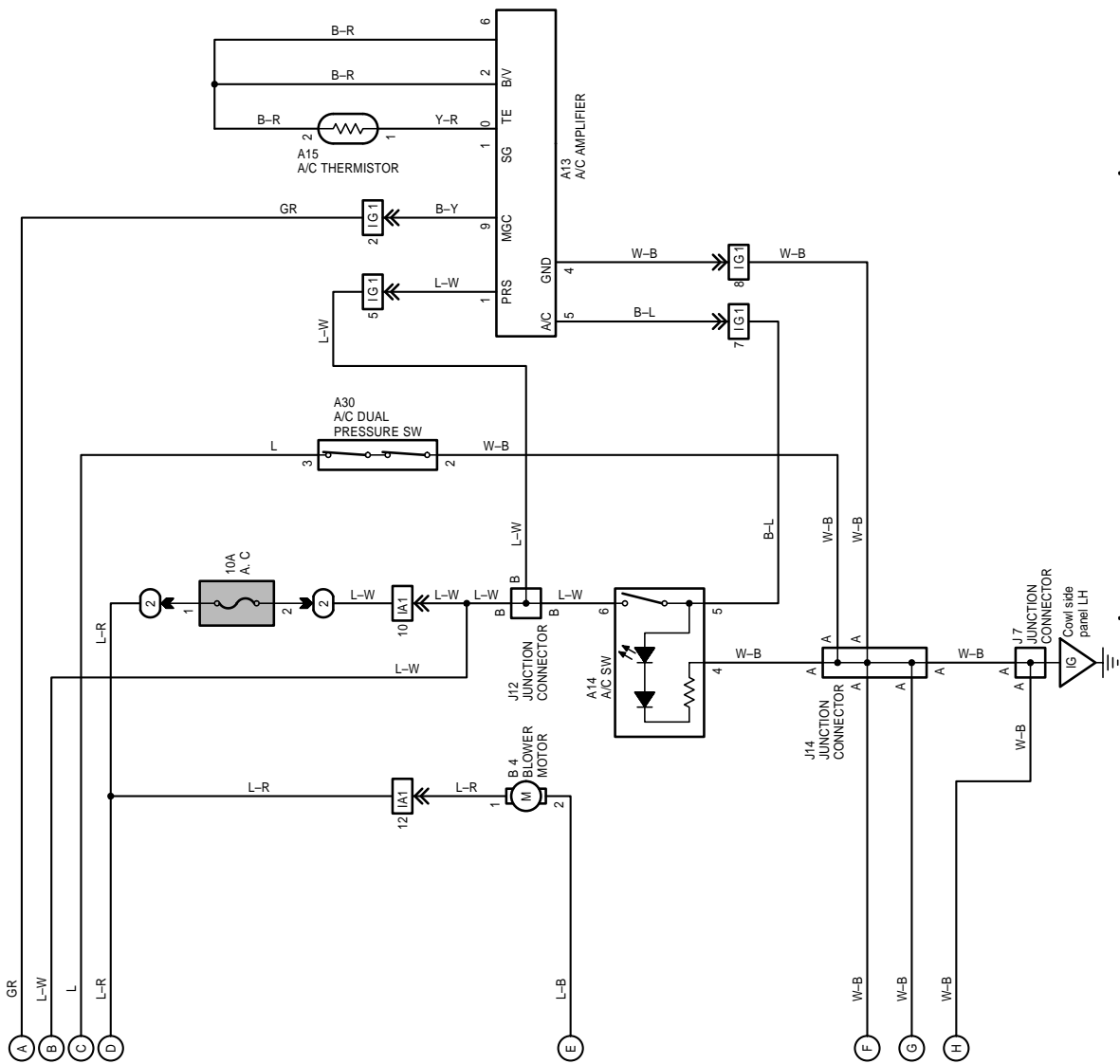
Air Conditioner (Israel)

8

7

6

5



I OVERALL ELECTRICAL WIRING DIAGRAM

SYSTEM INDEX

SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS	51-3	Headlight (w/ Dim-Dip Light)	38-2
Air Conditioner	55-2	Headlight (w/o Dim-Dip Light)	39-2
Auto Antenna	53-2	Horn	50-4
Back-Up Light	42-3	Ignition	32-3
Carburetor	35-2	Illumination	44-3
Charging (Diesel)	31-3	Interior Light	43-3
Charging (Gasoline)	30-3	Light Reminder Buzzer and Key Reminder	40-2
Cigarette Lighter	47-1	Power Source	30~57-1
Clock	47-2	Power Window	46-3
Combination Meter	54-2	Radio and Player	53-3
Door Lock Control	45-2	Rear Fog Light	44-8
ECT	37-3	Rear Window Defogger	48-2
Emission Control (Europe)	57-2	Remote Control Mirror	47-3
Emission Control (General)	35-3	SRS	52-3
Engine Control (1KZ-TE)	56-2	Starting (Diesel)	31-2
Engine Control (1RZ-E)	34-2	Starting (Gasoline)	30-2
Engine Control (3RZ-FE)	33-3	Stop Light	39-3
Engine Immobiliser System	57-6	Taillight	40-3
Front Wiper and Washer	48-3	Turn Signal and Hazard Warning Light	41-2
Fuel Heater	31-3	4WD (w/ 2-4 Select SW)	49-2
Glow Plug (Australia 5L, General 3L, 2L)	36-2	4WD (w/o 2-4 Select SW)	50-2

I OVERALL ELECTRICAL WIRING DIAGRAM

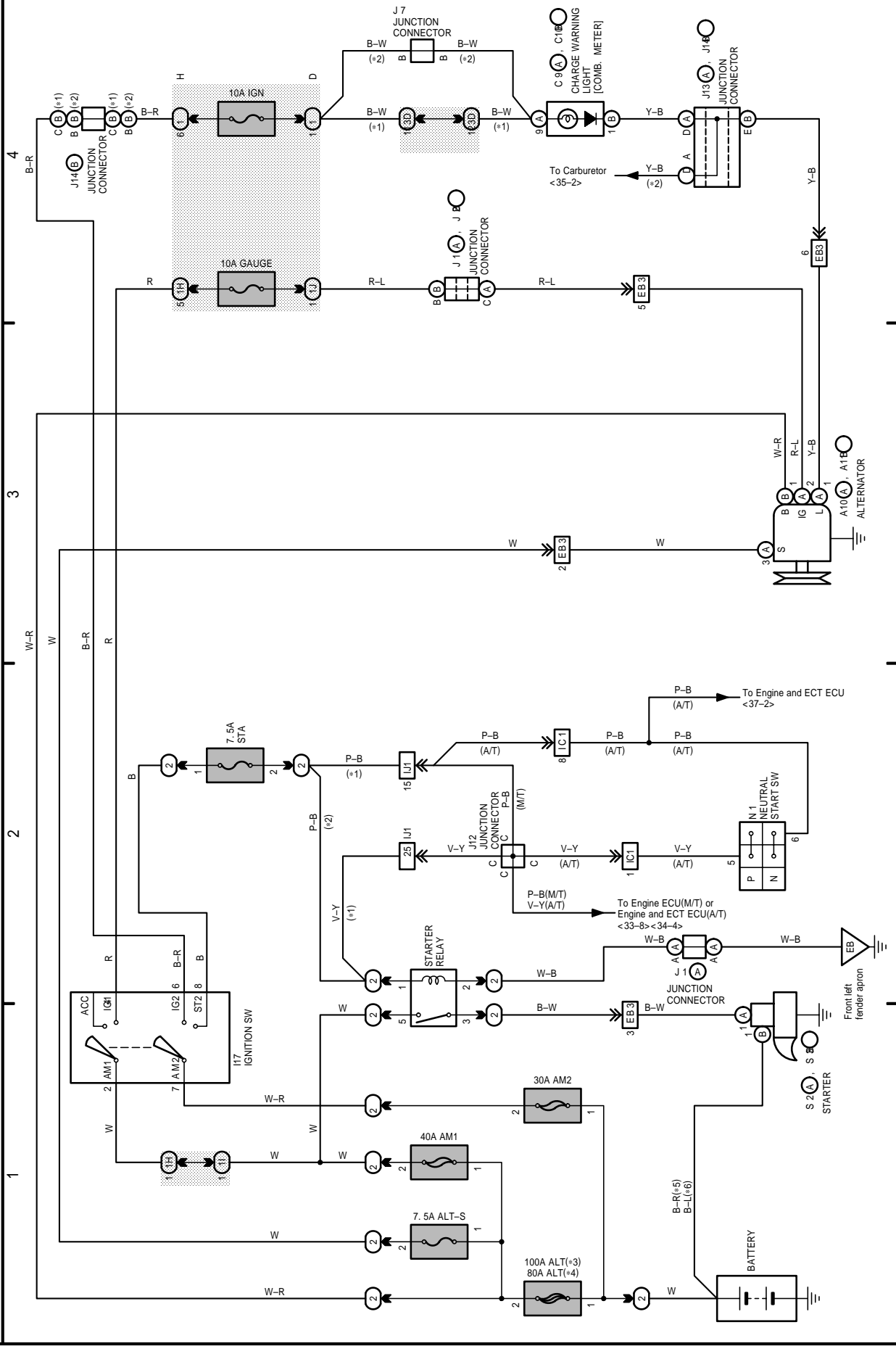
30 HILUX (RHD)

Power Source

Starting (Gasoline)

Charging (Gasoline)

- * 1 : Australia
- * 2 : General
- * 3 : 70A Type Alternator
- * 4 : 45A, 55A Type Alternator
- * 5 : Cold Area Spec.
- * 6 : Except Cold Area Spec.

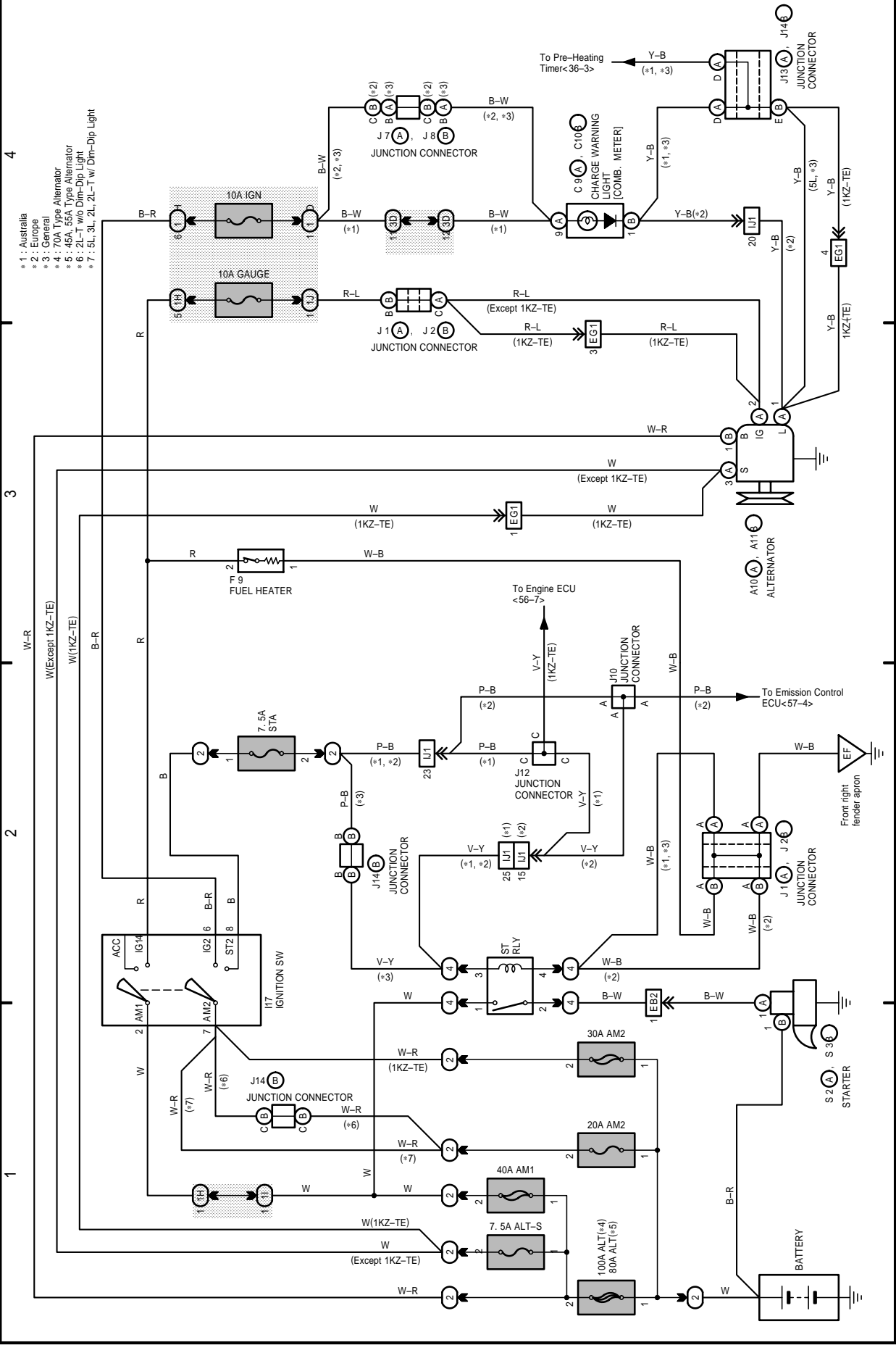


Power Source

Starting (Diesel)

Fuel Heater

Charging (Diesel)

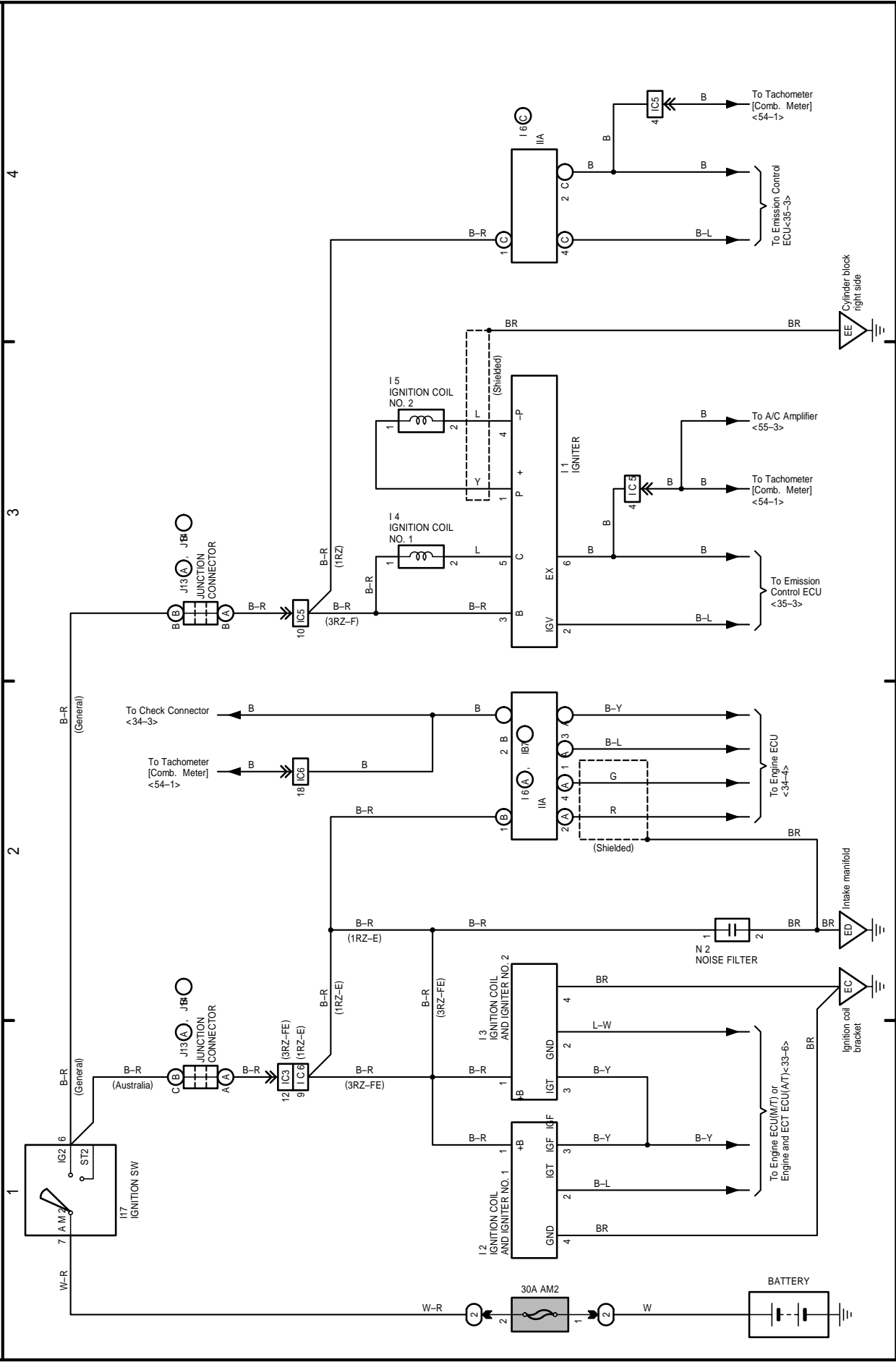


I OVERALL ELECTRICAL WIRING DIAGRAM

32 HILUX (RHD)

Power Source

Ignition

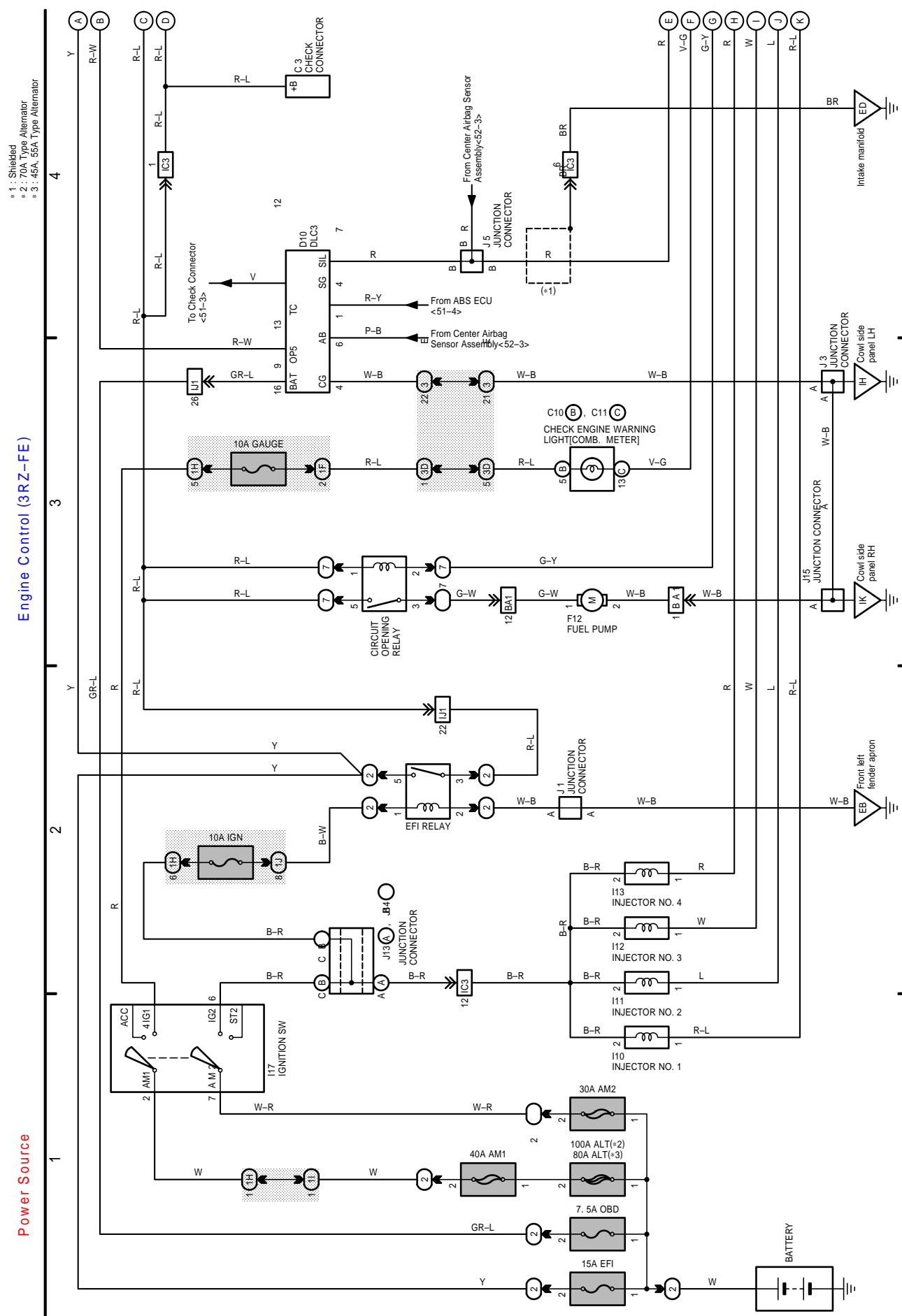


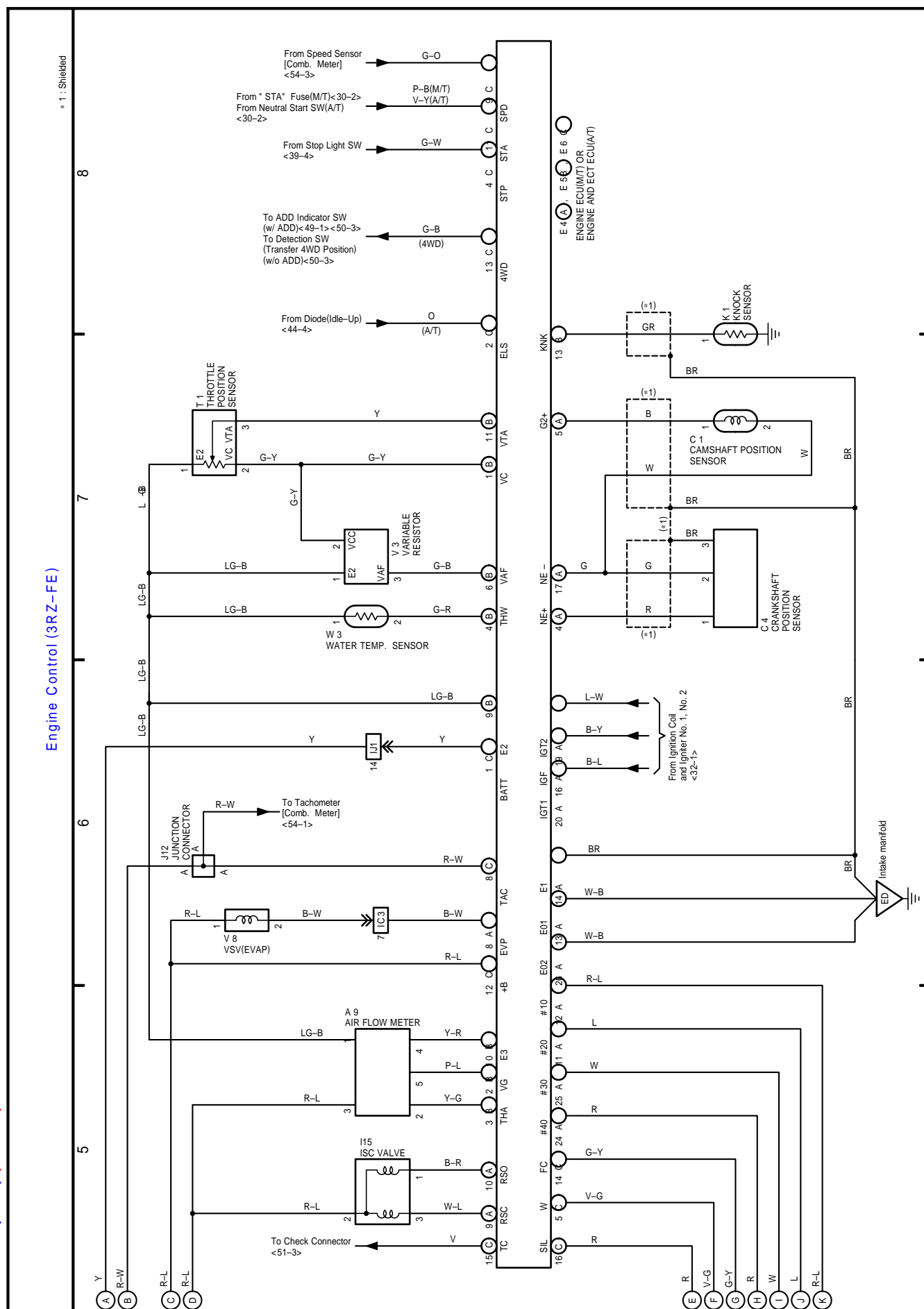
I OVERALL ELECTRICAL WIRING DIAGRAM

CONTINUED

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33 HILUX (RHD)



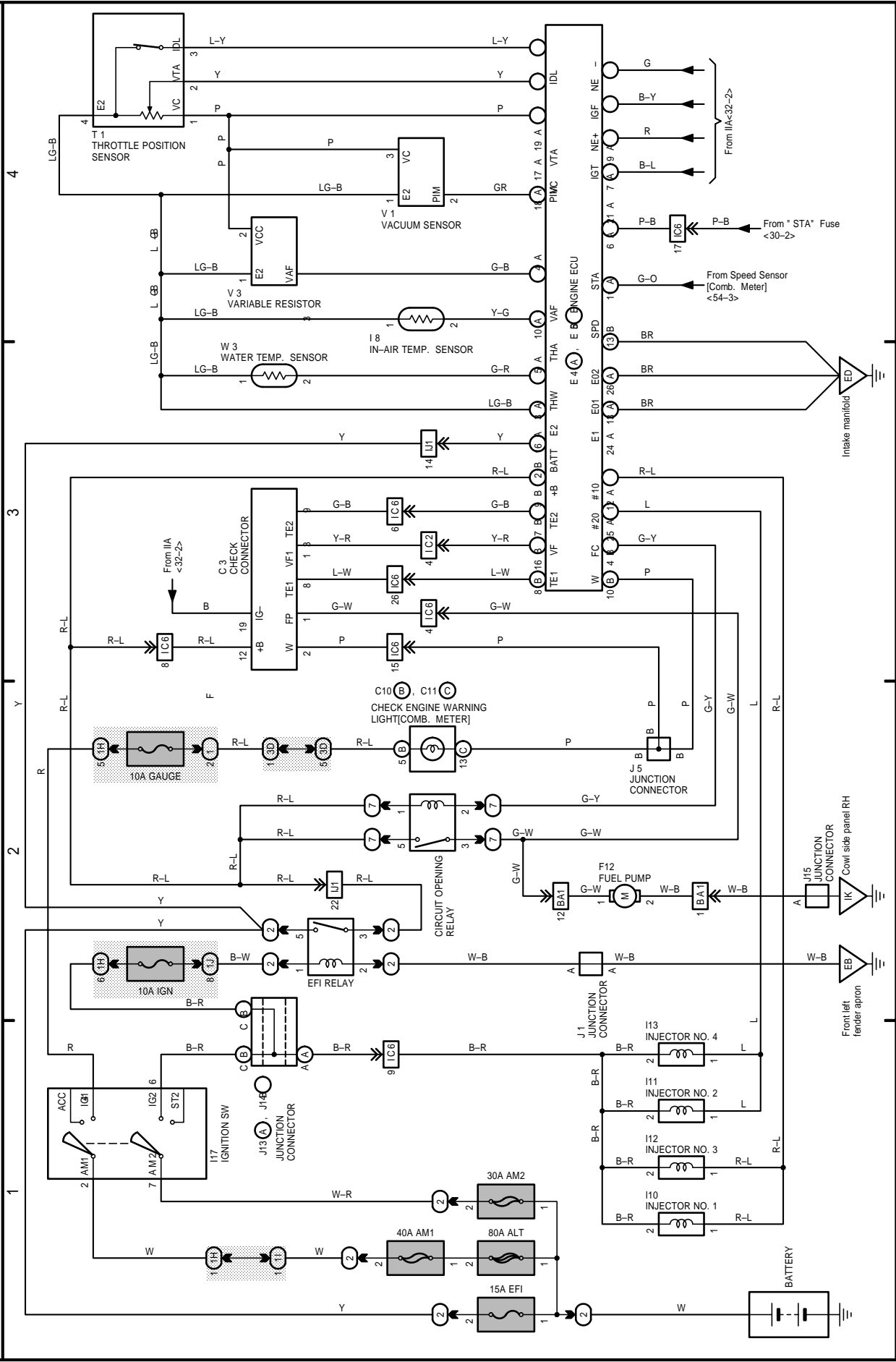


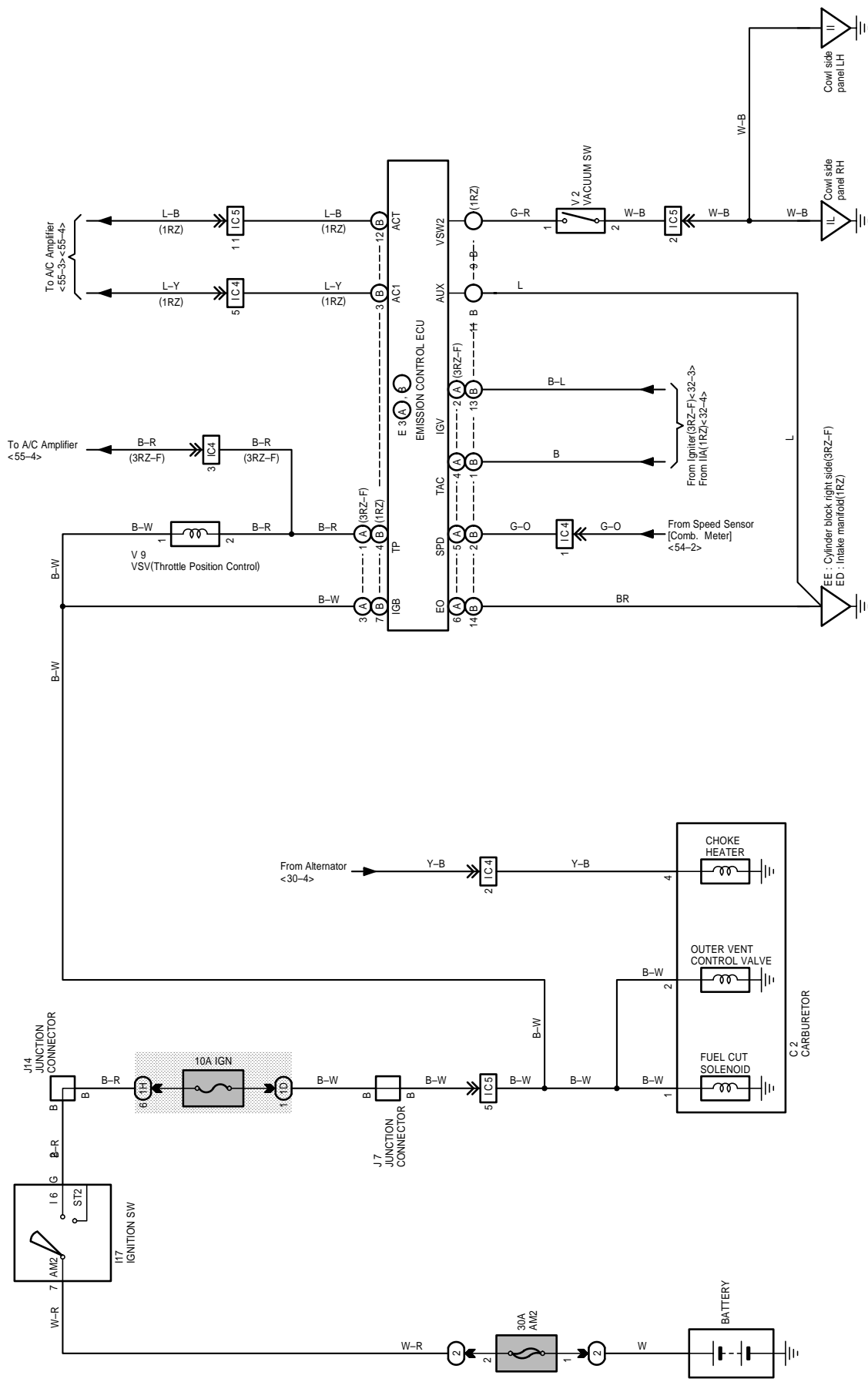
I OVERALL ELECTRICAL WIRING DIAGRAM

34 HILUX (RHD)

Engine Control (1RZ-E)

Power Source



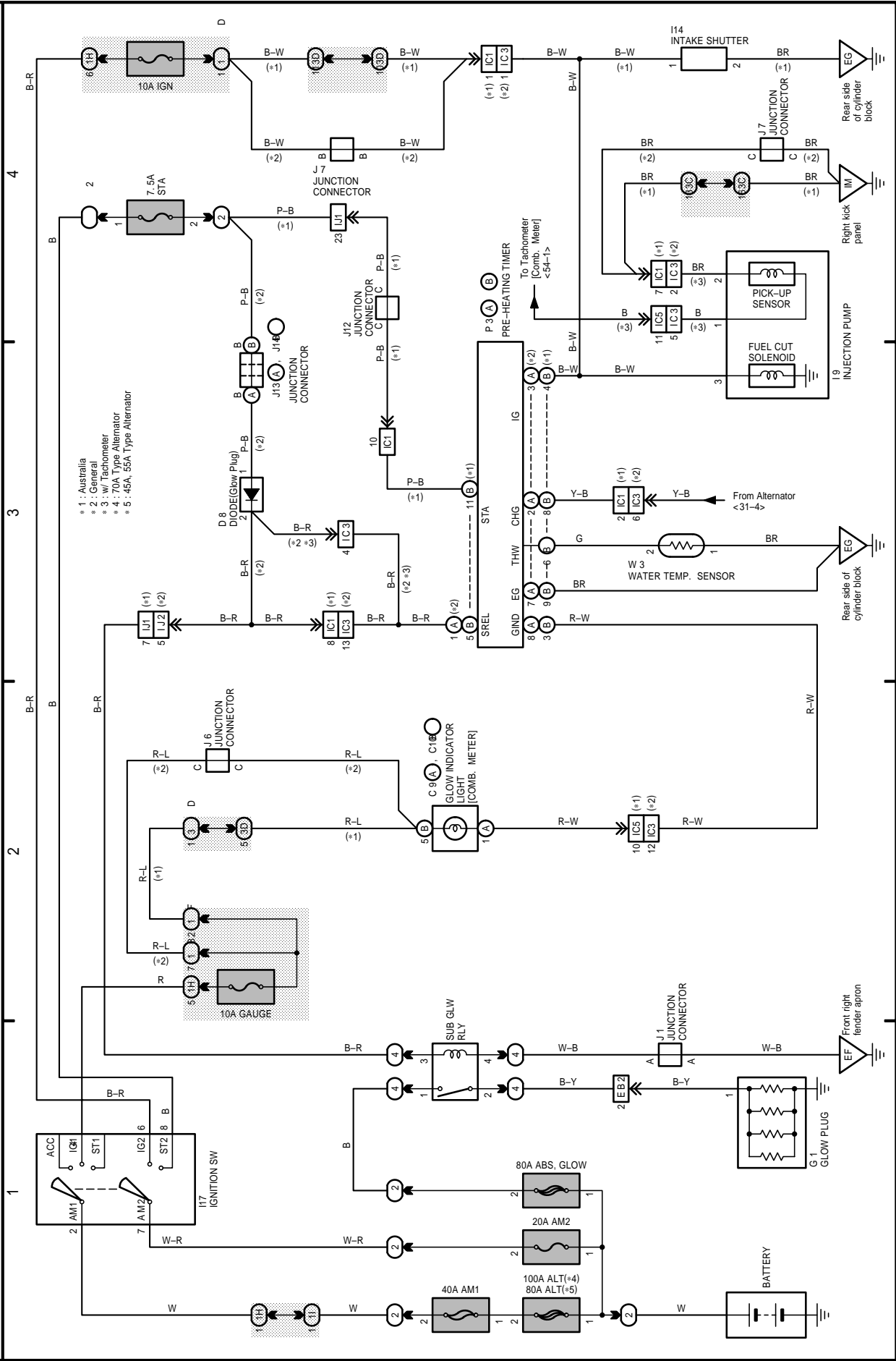


I OVERALL ELECTRICAL WIRING DIAGRAM

36 HILUX (RHD)

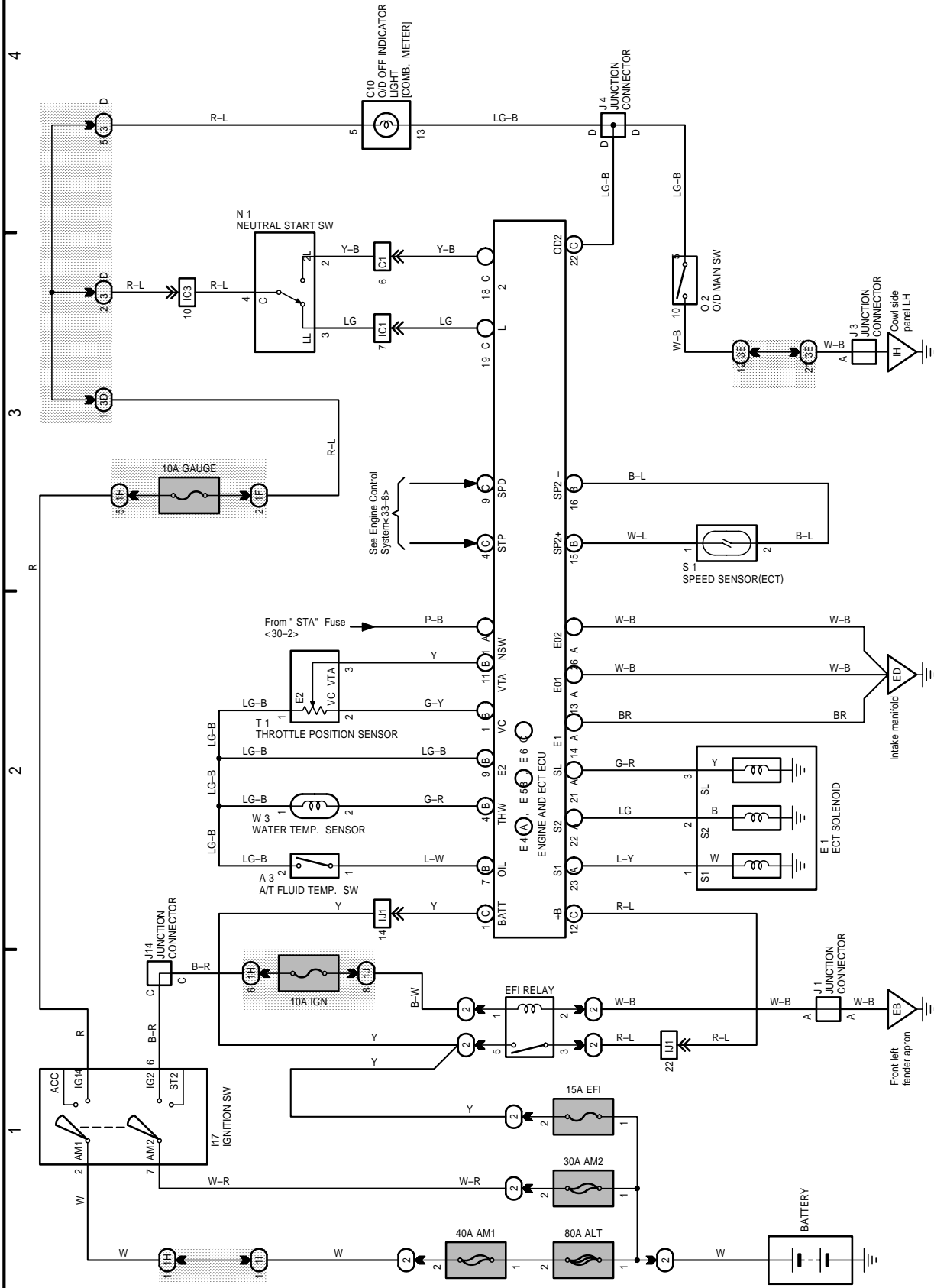
Power Source

Glow Plug (Australia 5L, General 3L, 2L)



Power Source

ECT

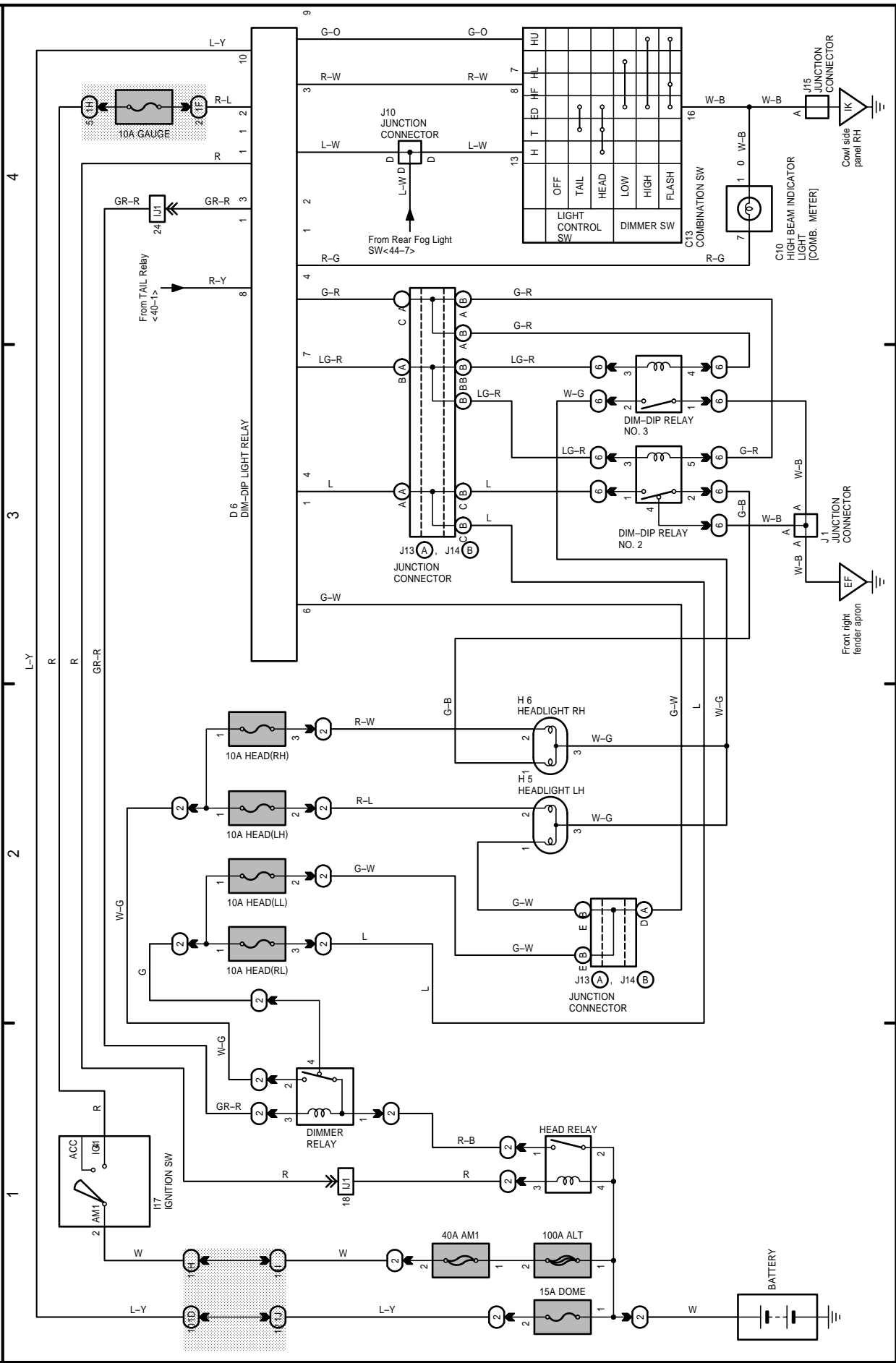


I OVERALL ELECTRICAL WIRING DIAGRAM

38 HILUX (RHD)

Headlight (w/ Dim-Dip Light)

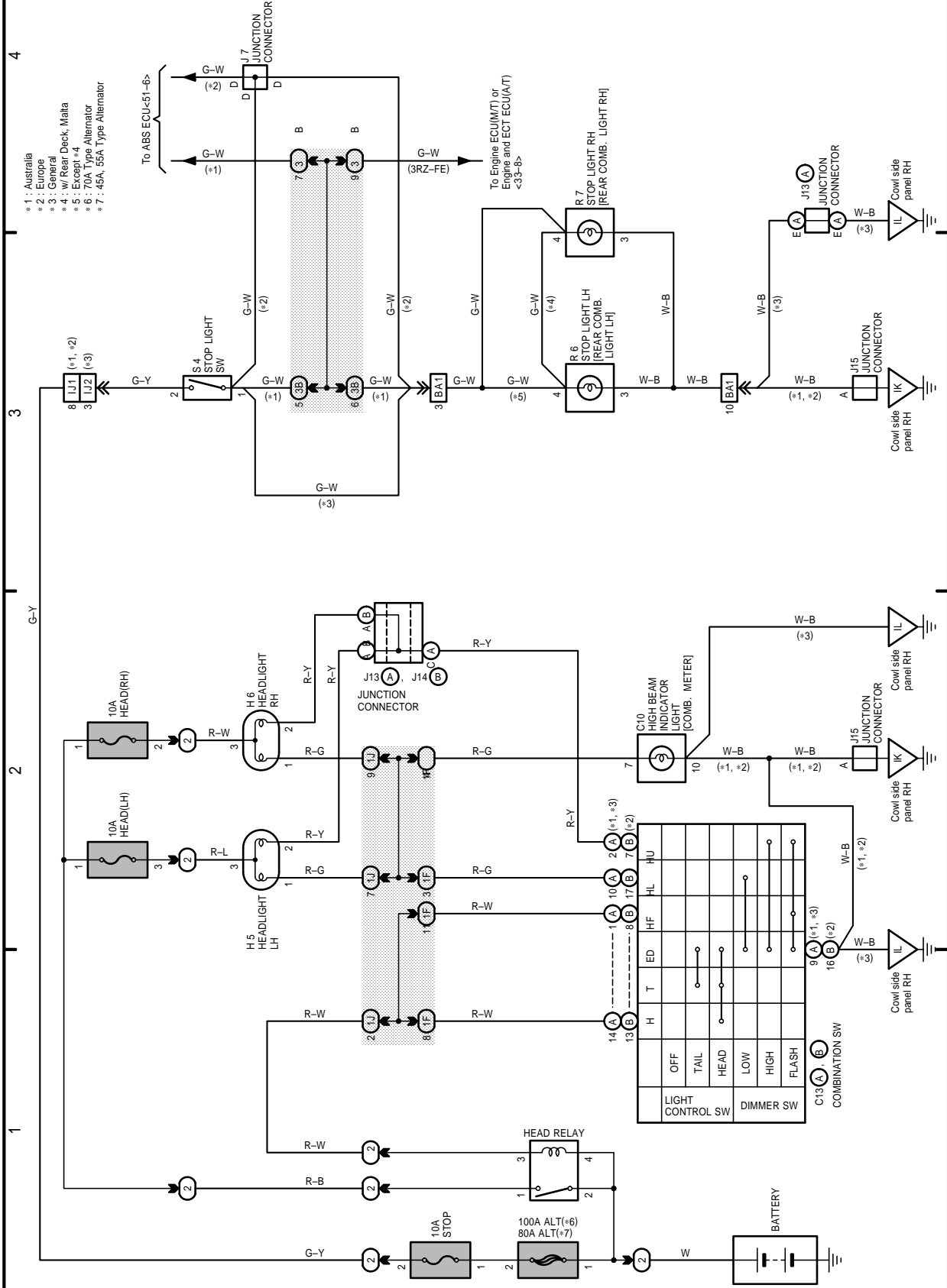
Power Source



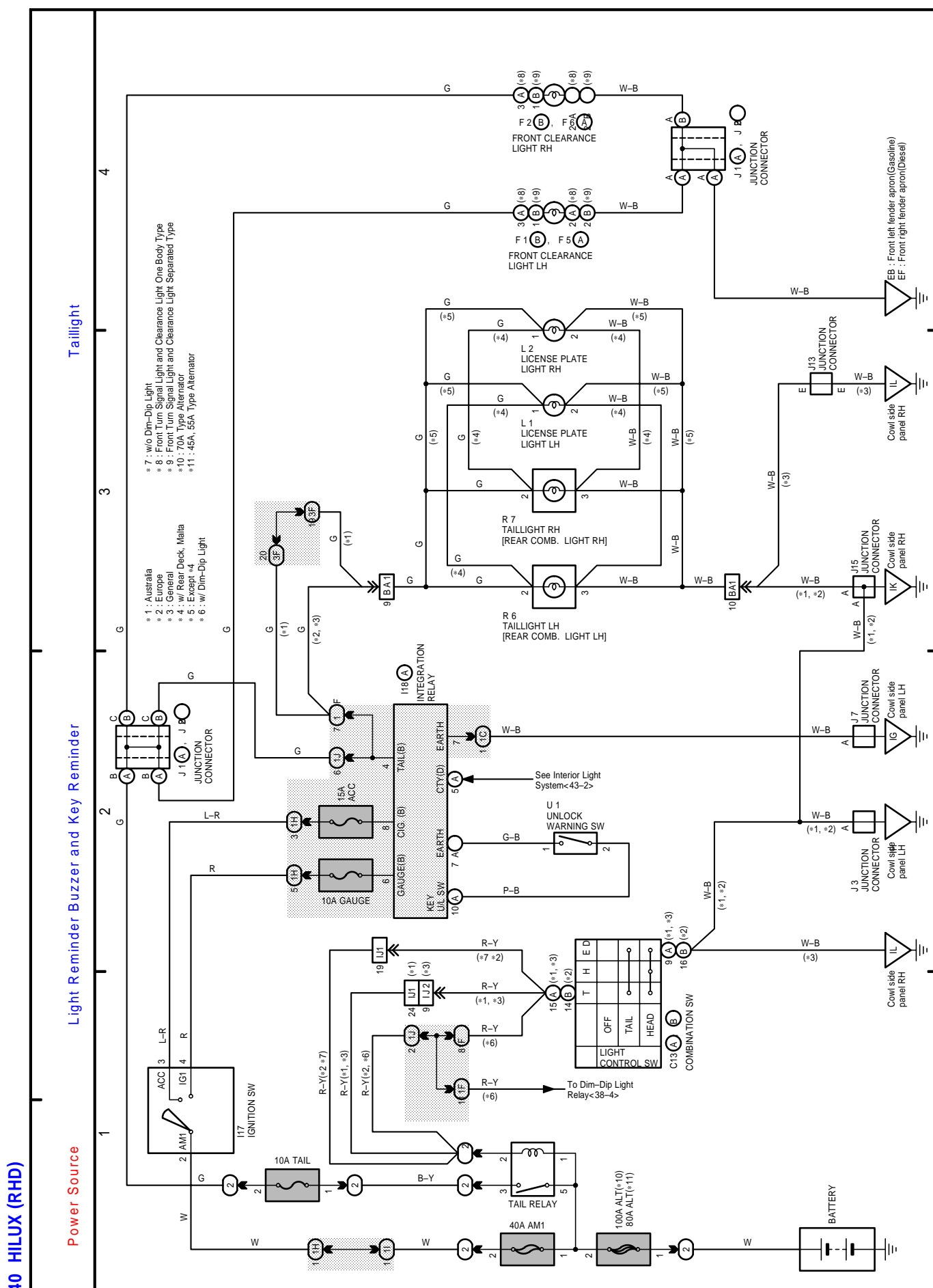
Power Source

Headlight (w/o Dim-Dip Light)

Stop Light

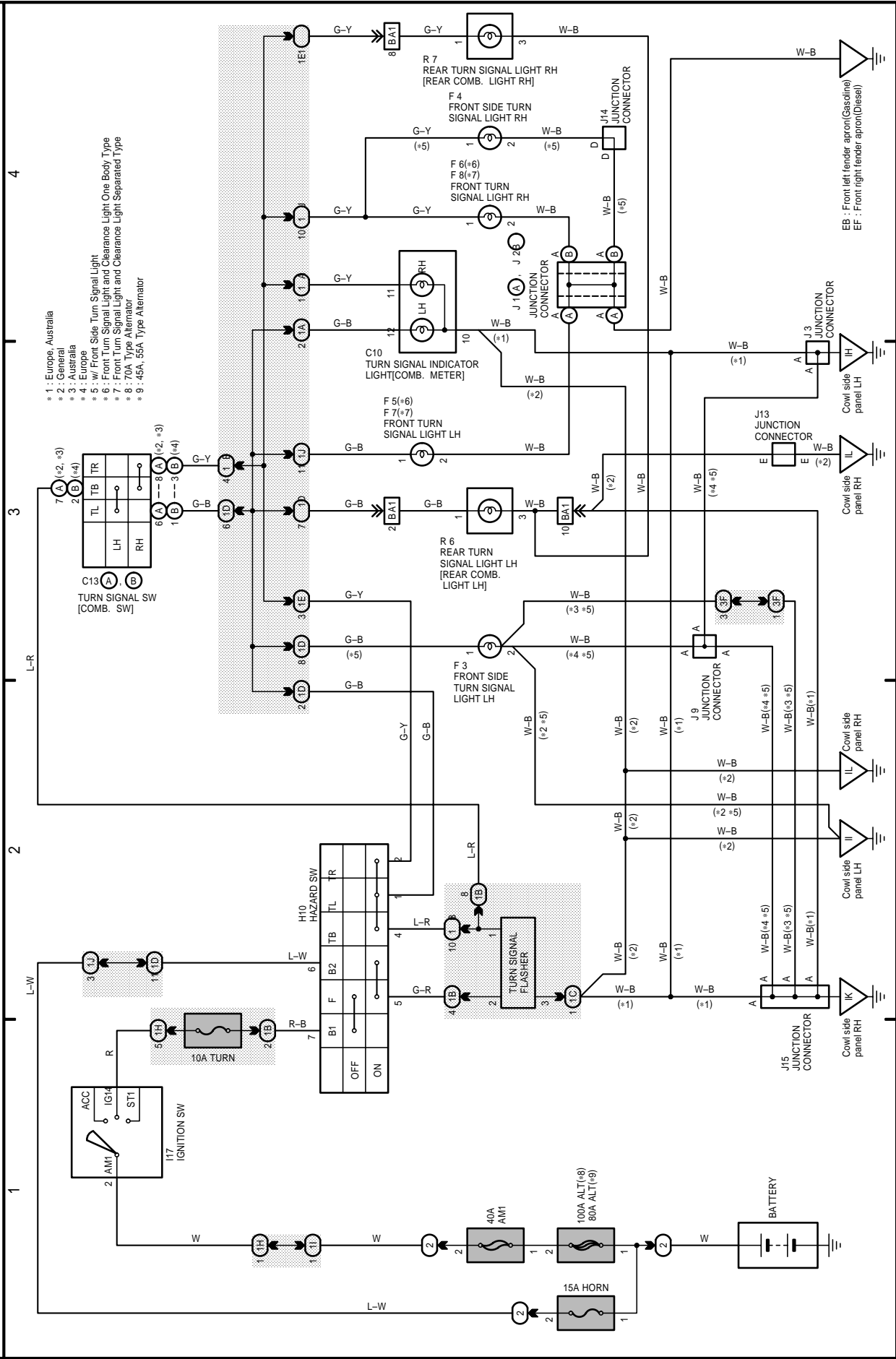


I OVERALL ELECTRICAL WIRING DIAGRAM



Power Source

Turn Signal and Hazard Warning Light

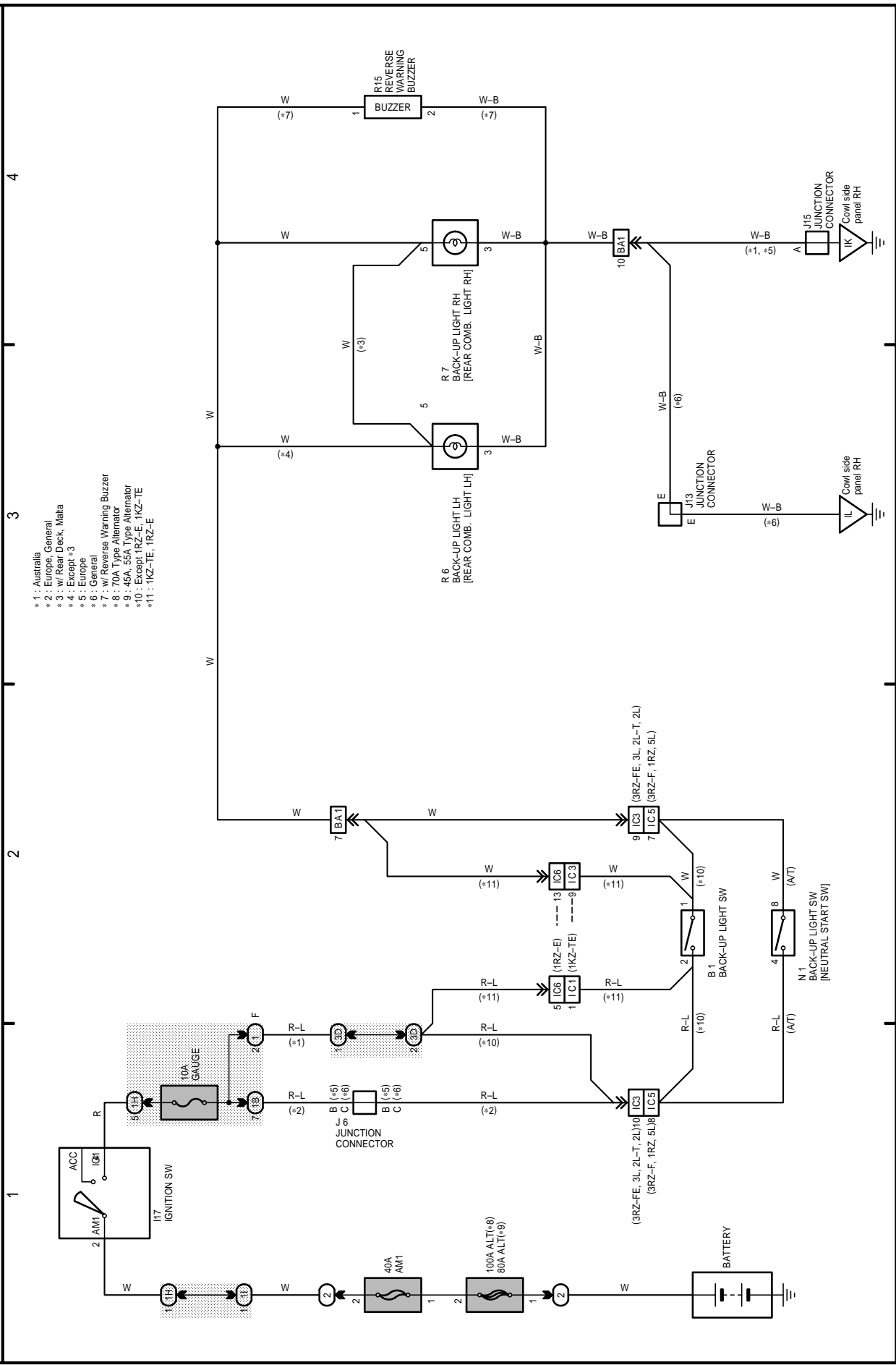


I OVERALL ELECTRICAL WIRING DIAGRAM

42 HILUX (RHD)

Power Source

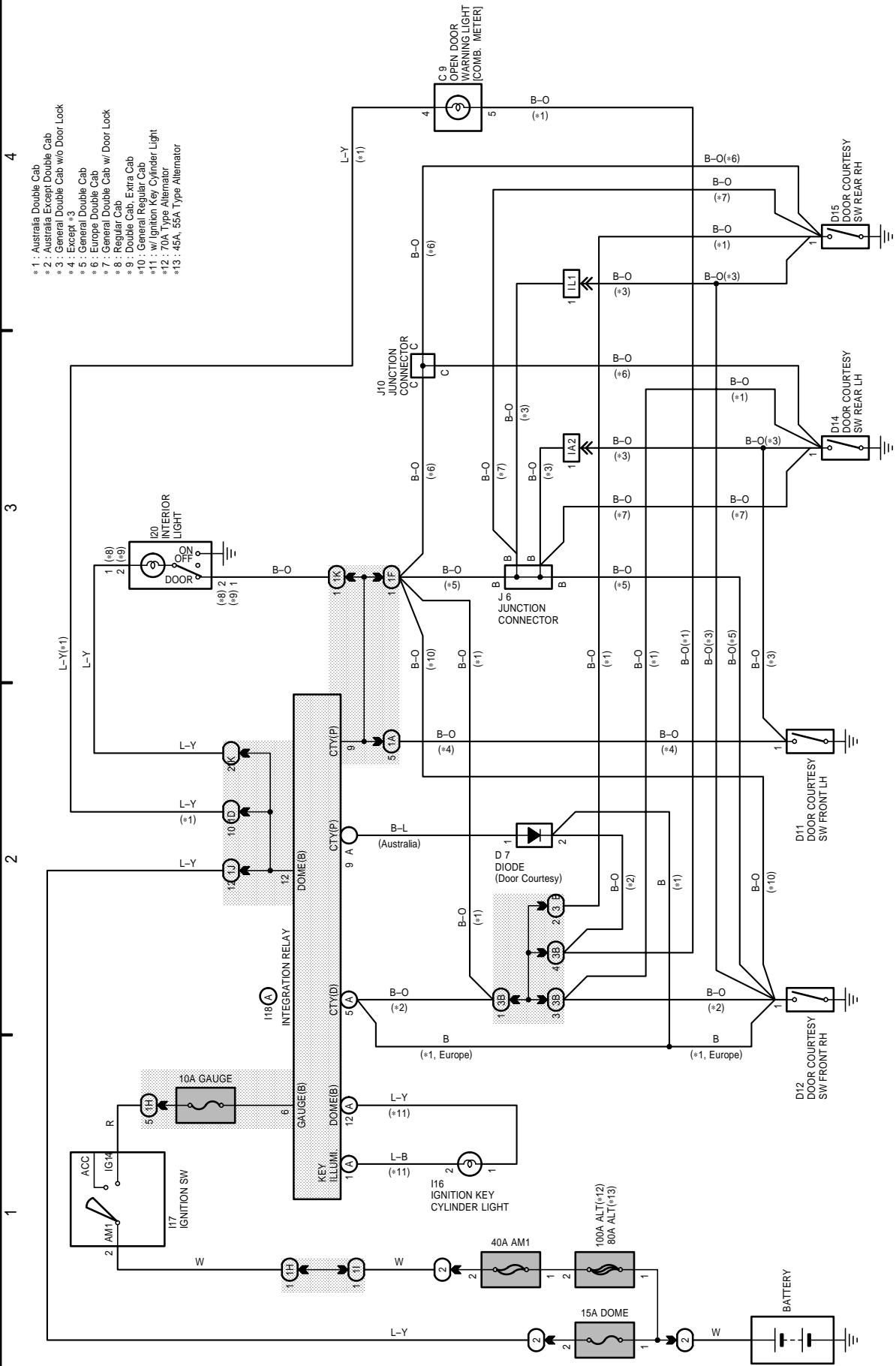
Back-Up Light



Power Source

Interior Light

- *1 : Australia Double Cab
- *2 : Australia Except Double Cab
- *3 : General Double Cab w/o Door Lock
- *4 : Except *3
- *5 : General Double Cab
- *6 : Europe Double Cab
- *7 : General Double Cab w/ Door Lock
- *8 : Regular Cab
- *9 : Double Cab, Extra Cab
- *10 : General Regular Cab
- *11 : w/ Ignition Key Cylinder Light
- *12 : 70A Type Alternator
- *13 : 45A, 55A Type Alternator

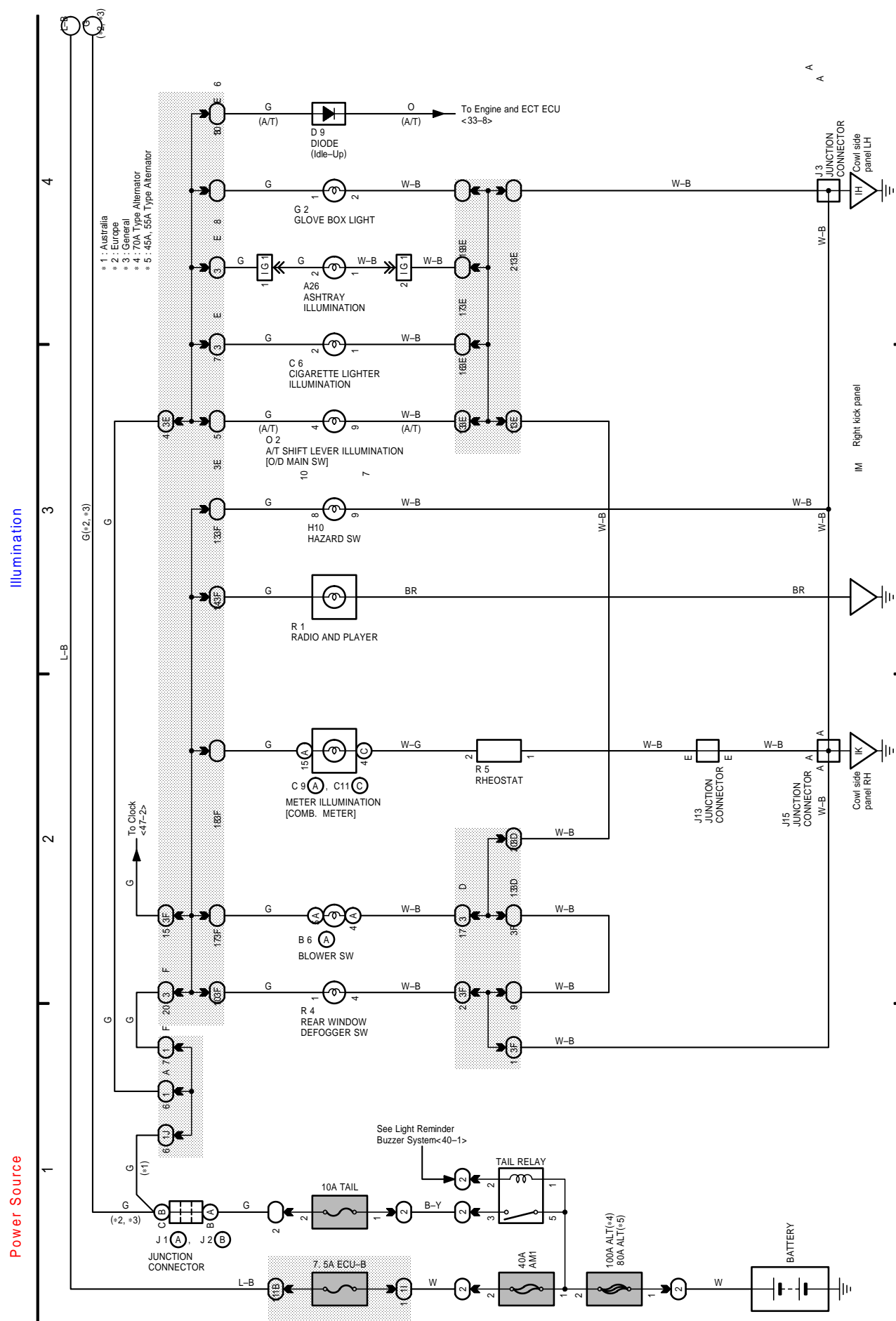


I OVERALL ELECTRICAL WIRING DIAGRAM

CONTINUED

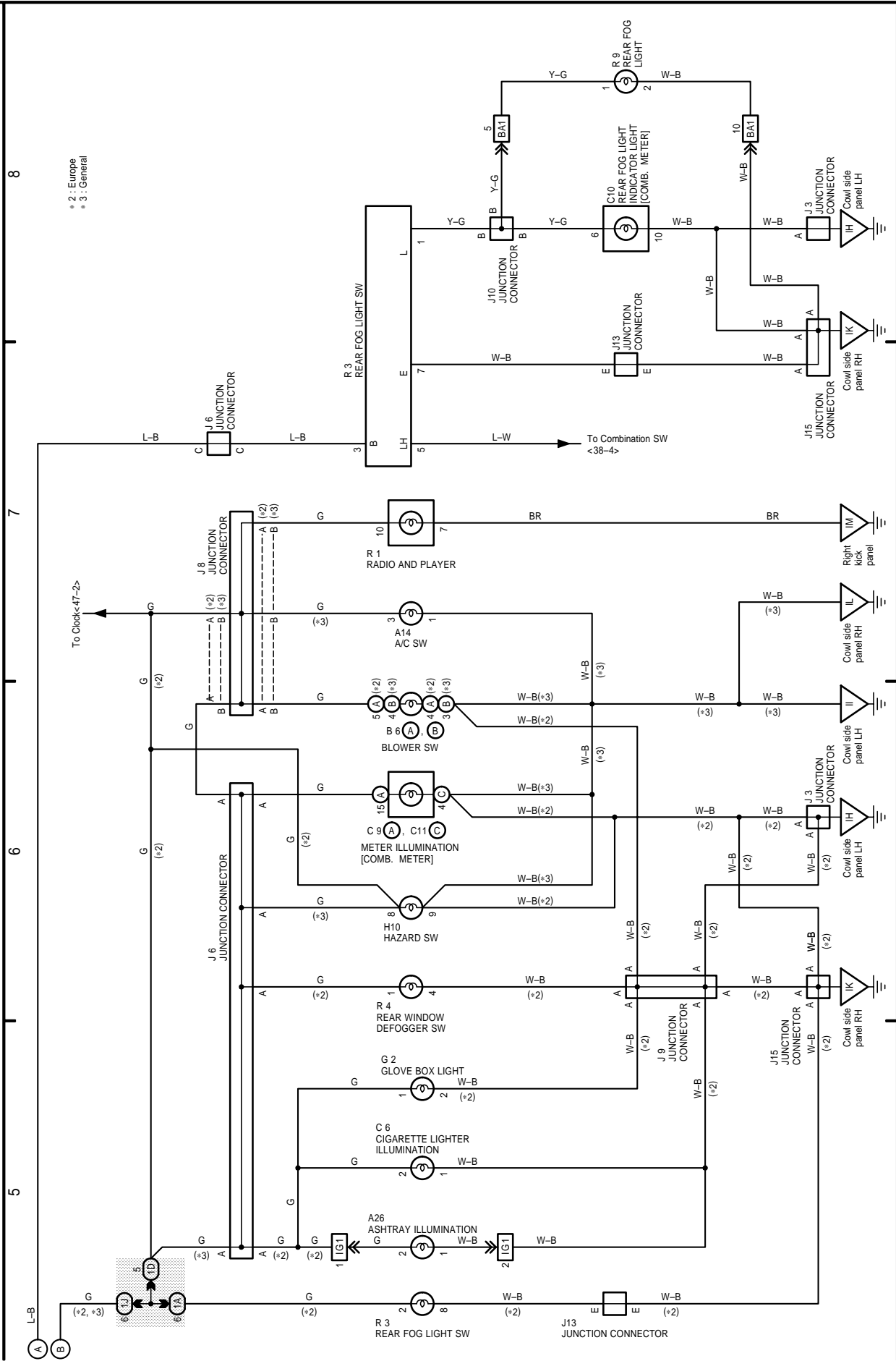
(Cont. next page)

44 HILUX (RHD)

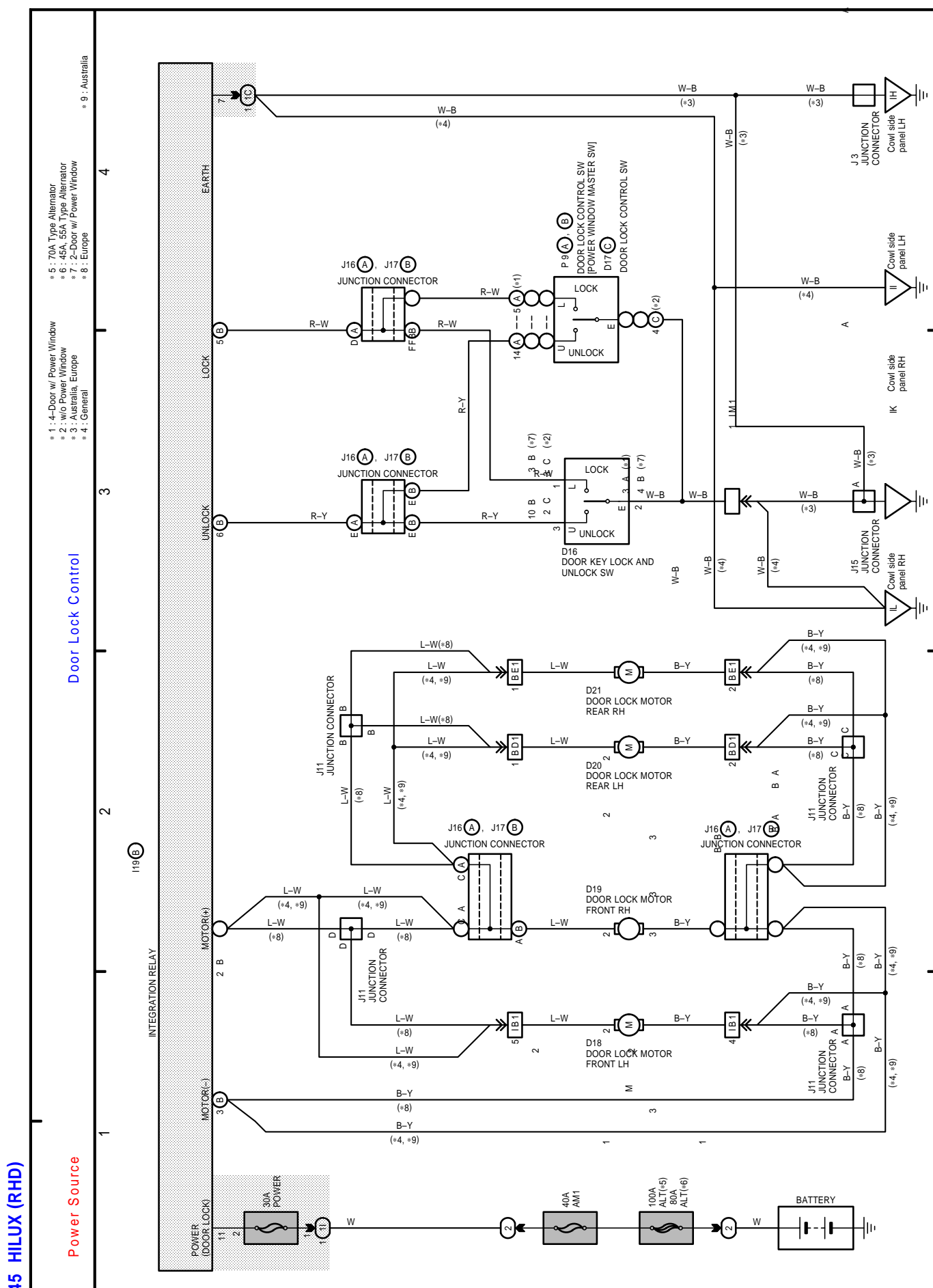


Illumination

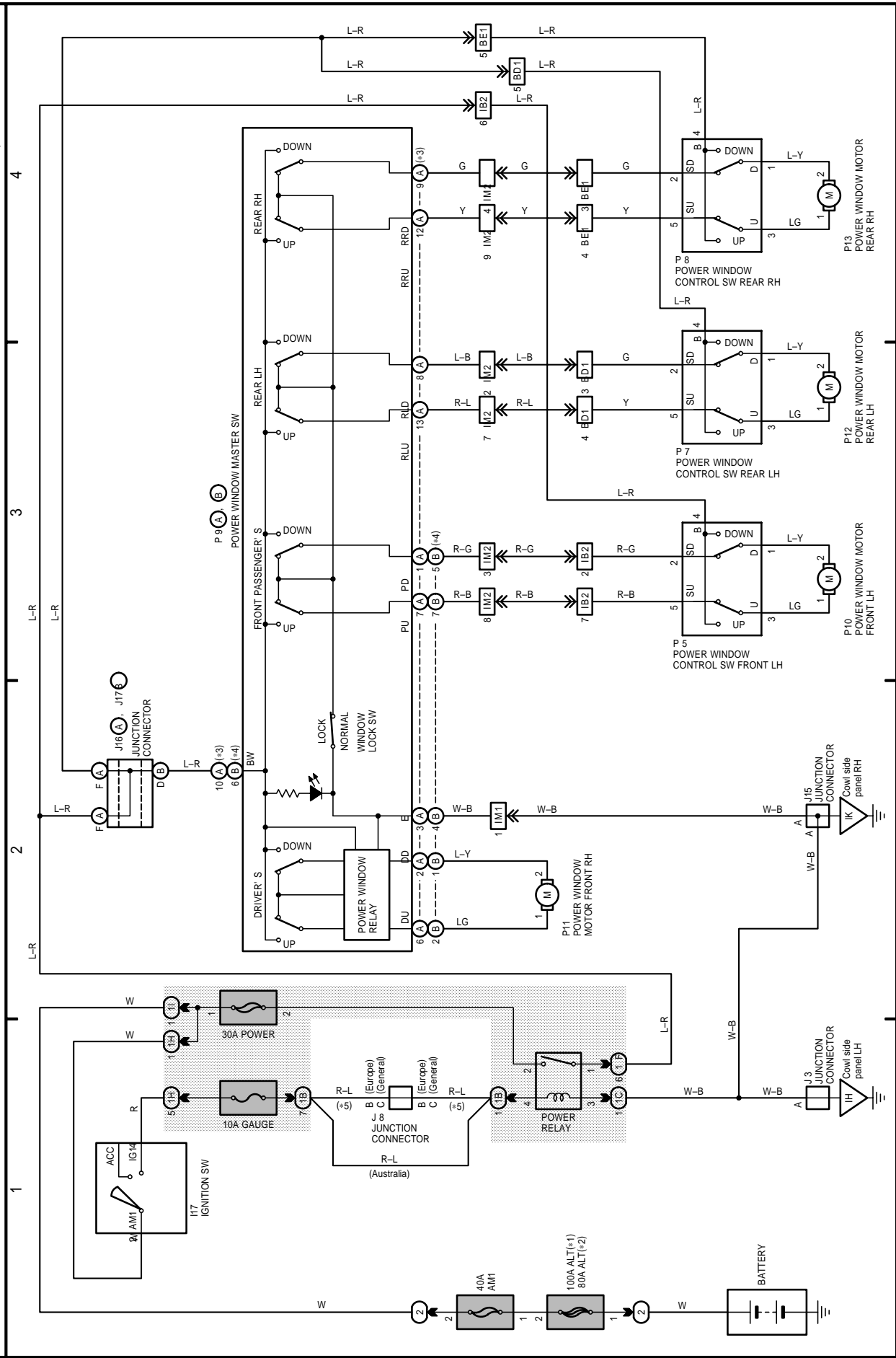
Rear Fog Light



I OVERALL ELECTRICAL WIRING DIAGRAM



- * 1 : 70A Type Alternator
- * 2 : 45A 55A Type Alternator
- * 3 : Double Cab
- * 4 : Single Cab
- * 5 : Europe, General



I OVERALL ELECTRICAL WIRING DIAGRAM

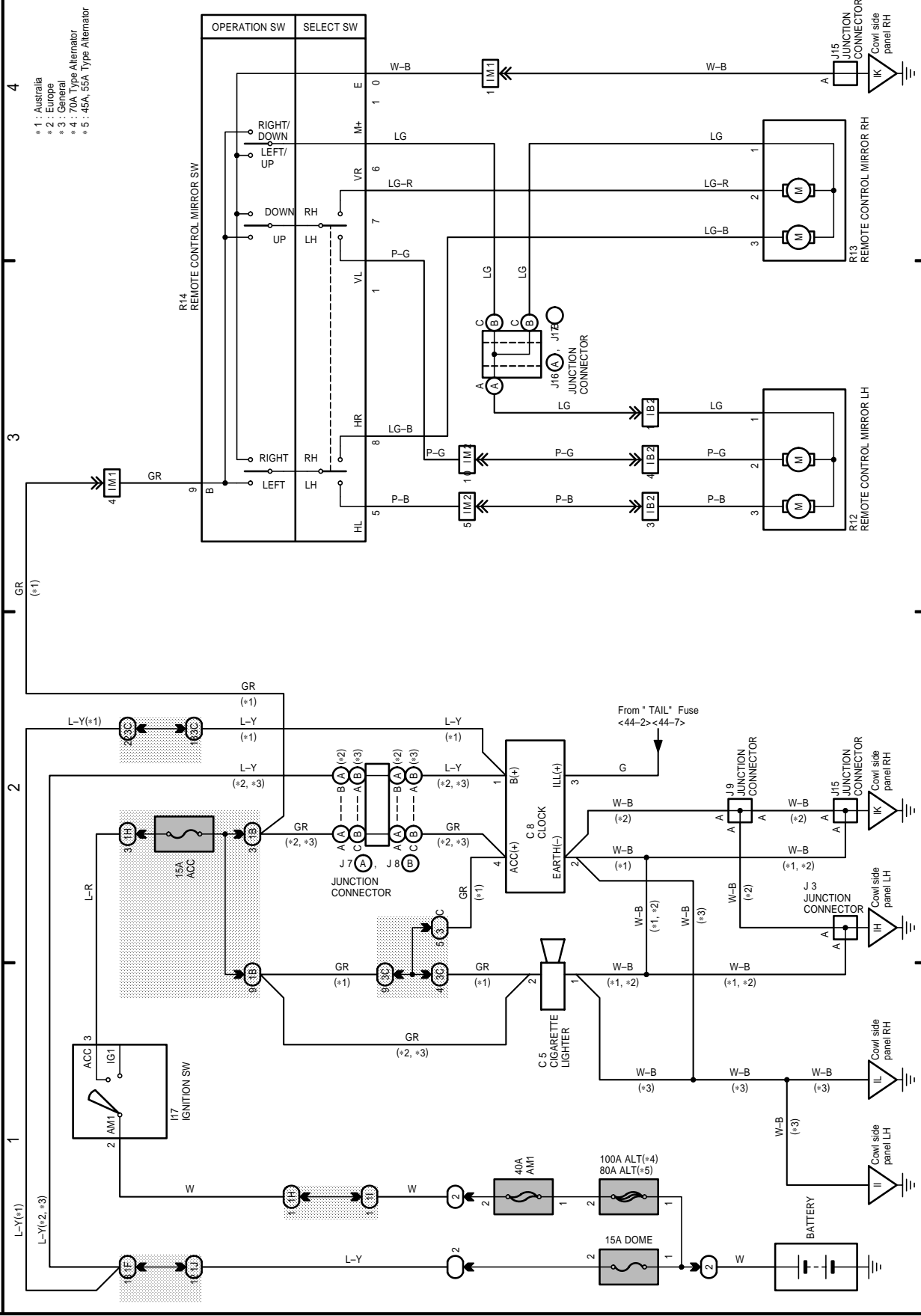
47 HILUX (RHD)

Power Source

Cigarette
Lighter

Clock

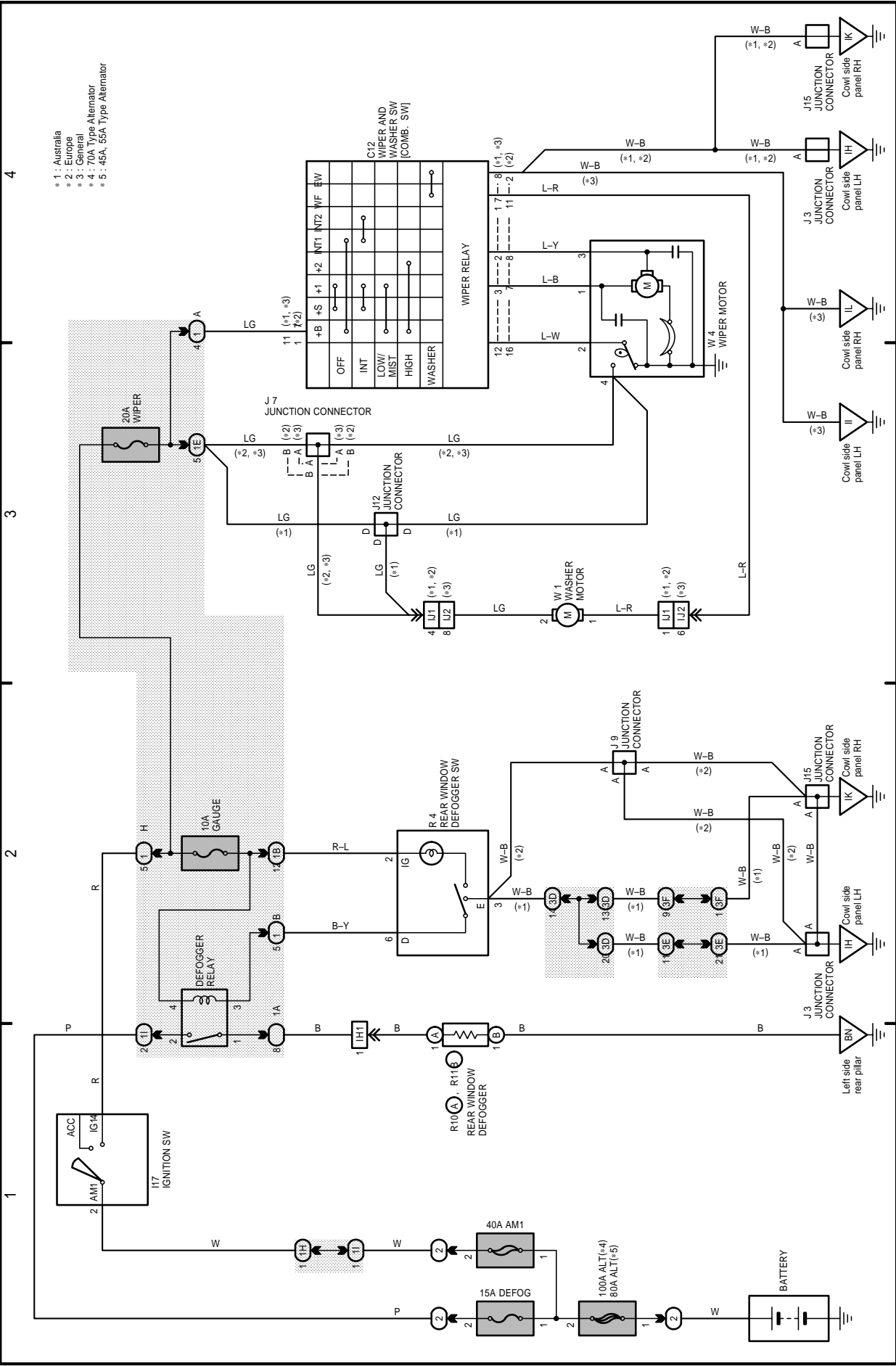
Remote Control Mirror



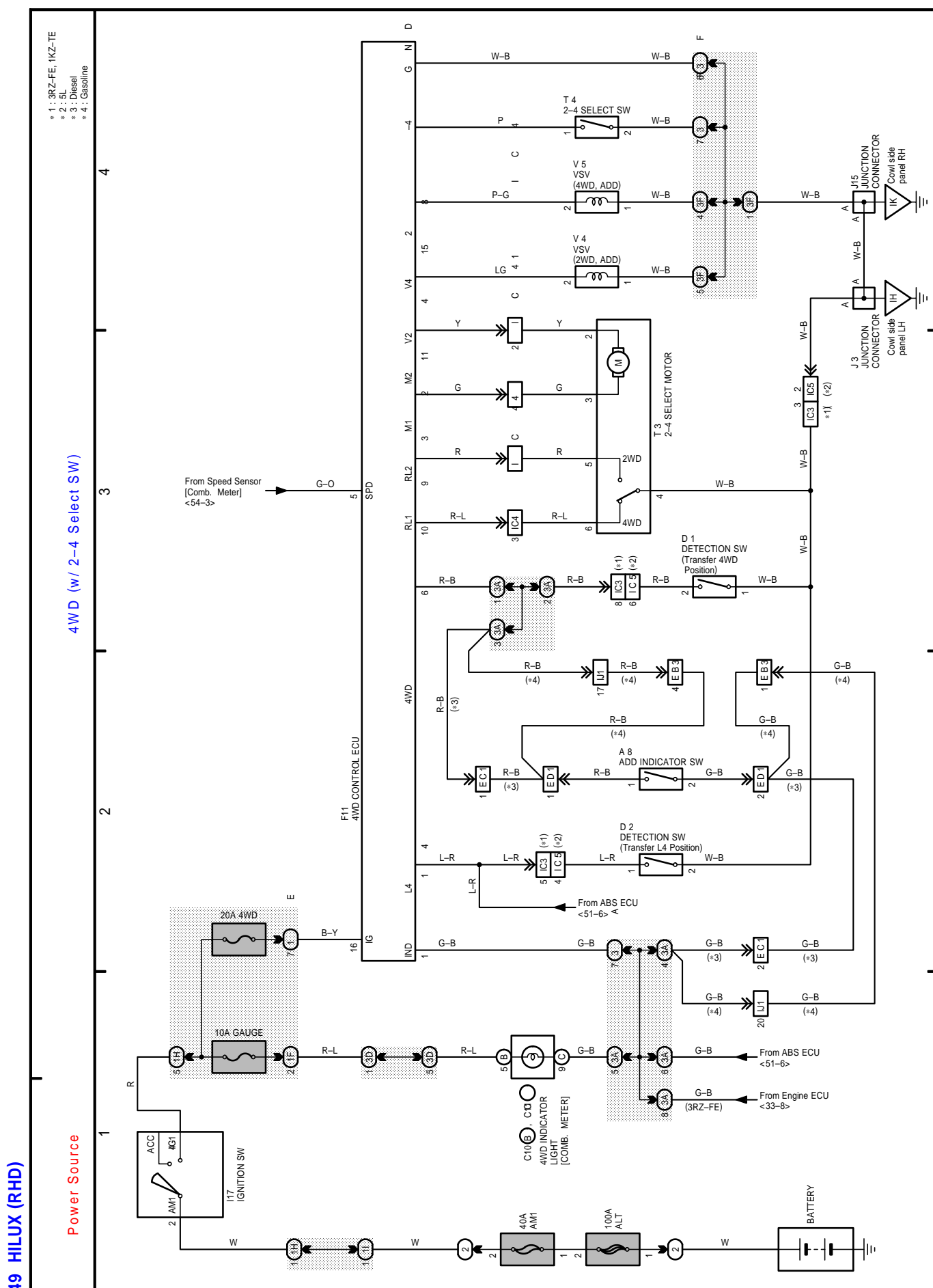
Power Source

Rear Window Defogger

Front Wiper and Washer



I OVERALL ELECTRICAL WIRING DIAGRAM

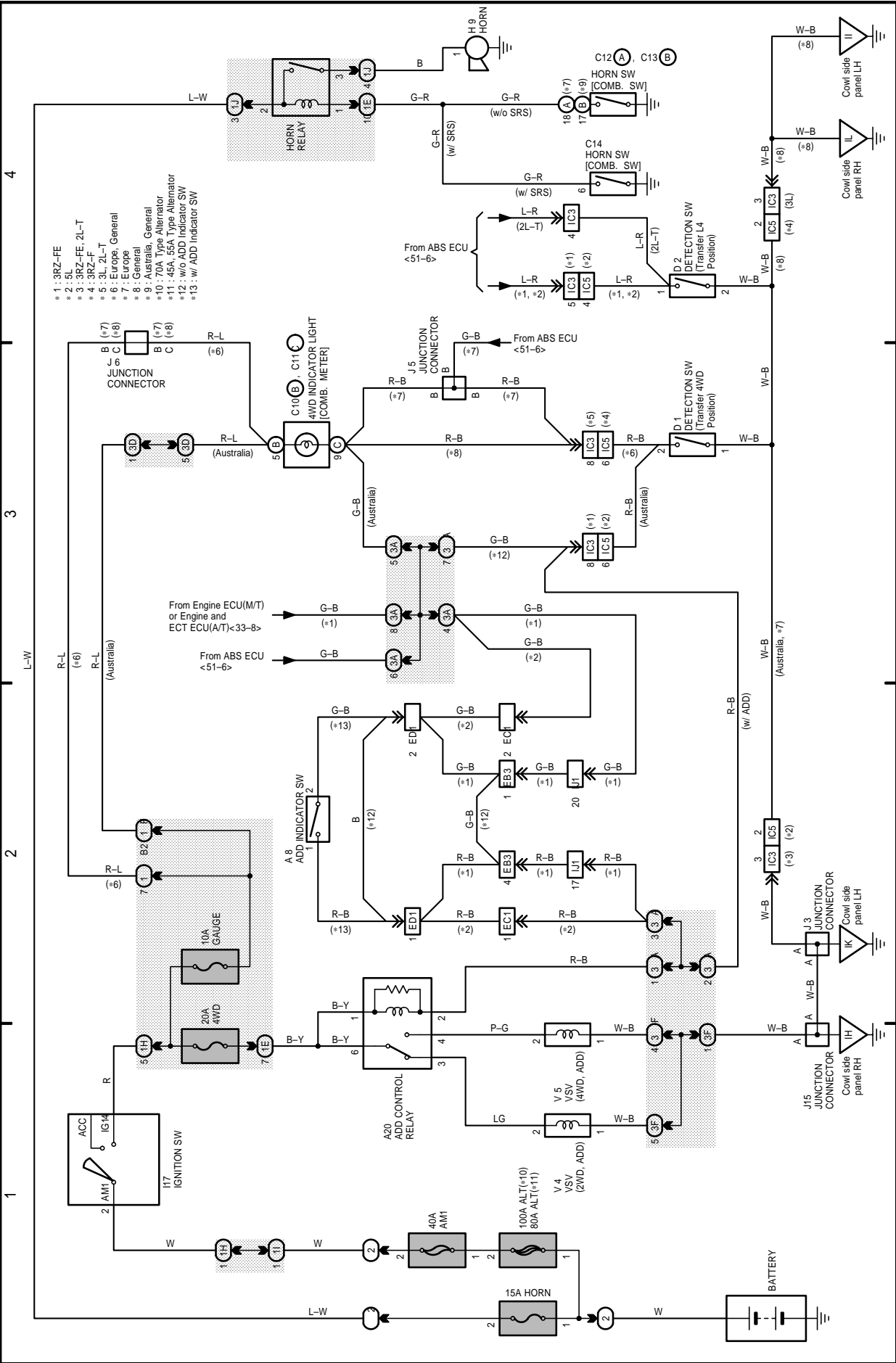


50 HILUX (RHD)

Power Source

4WD (w/o 2-4 Select SW)

Horn

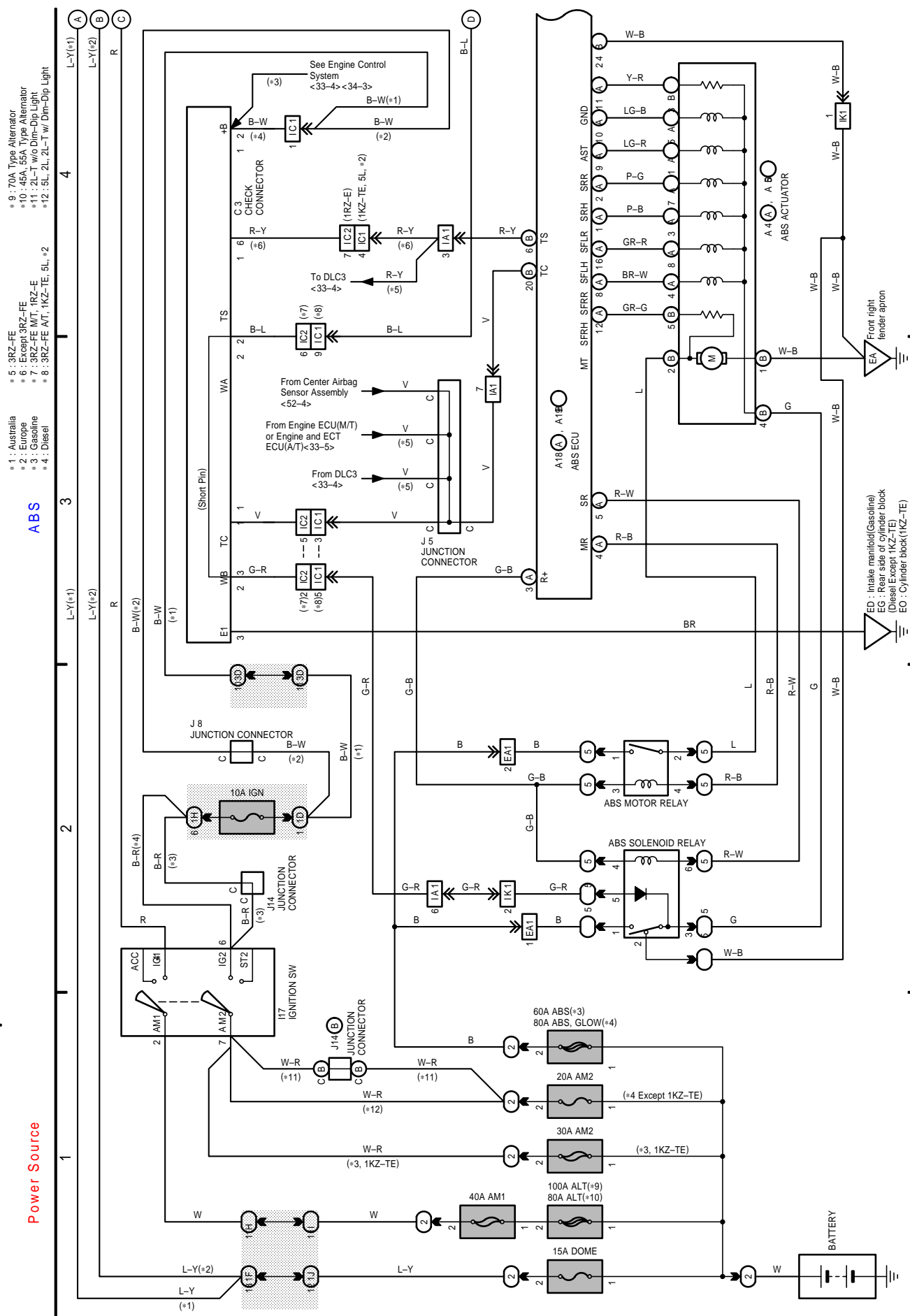


I OVERALL ELECTRICAL WIRING DIAGRAM

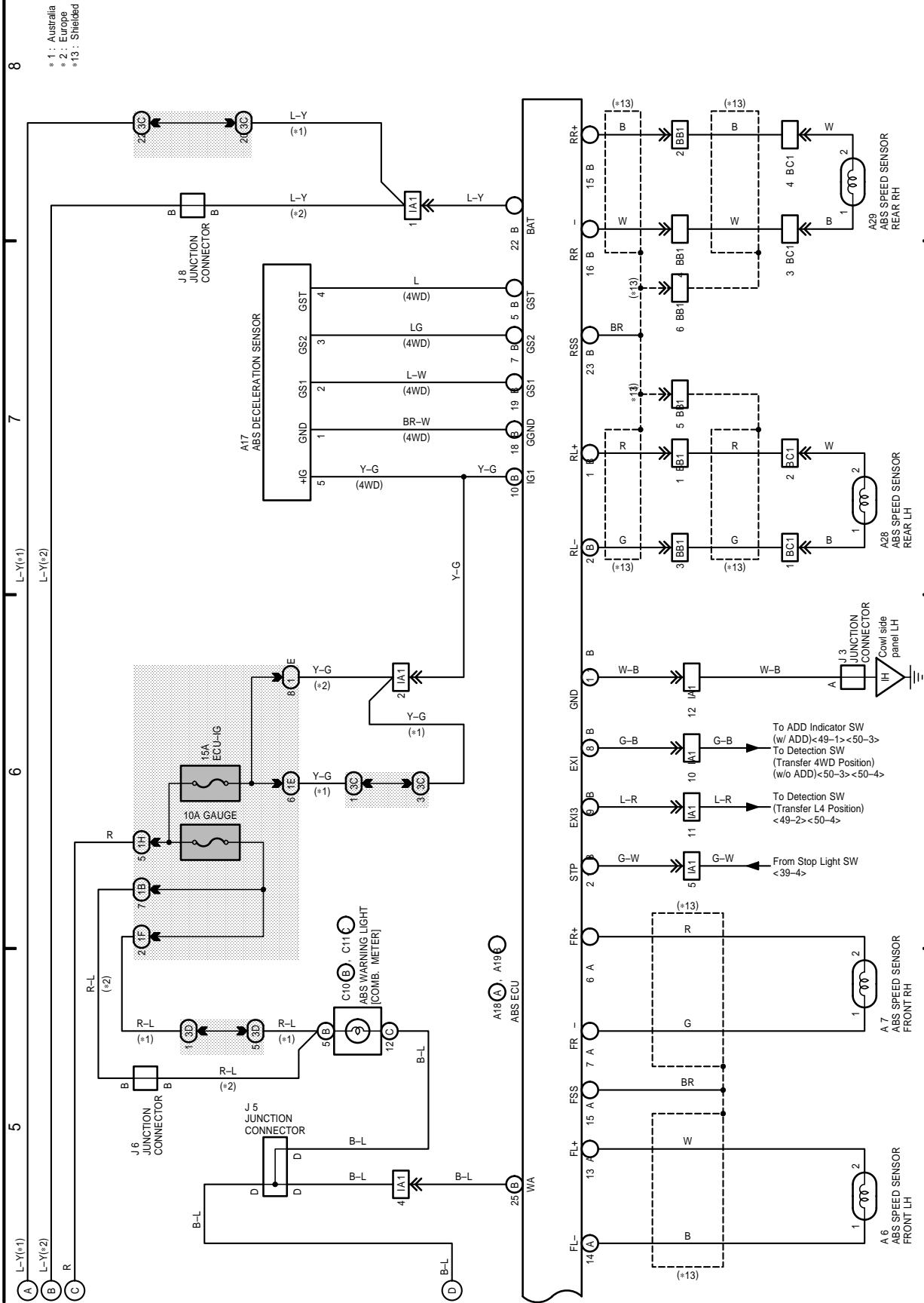
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51 HILUX (RHD)



ABS



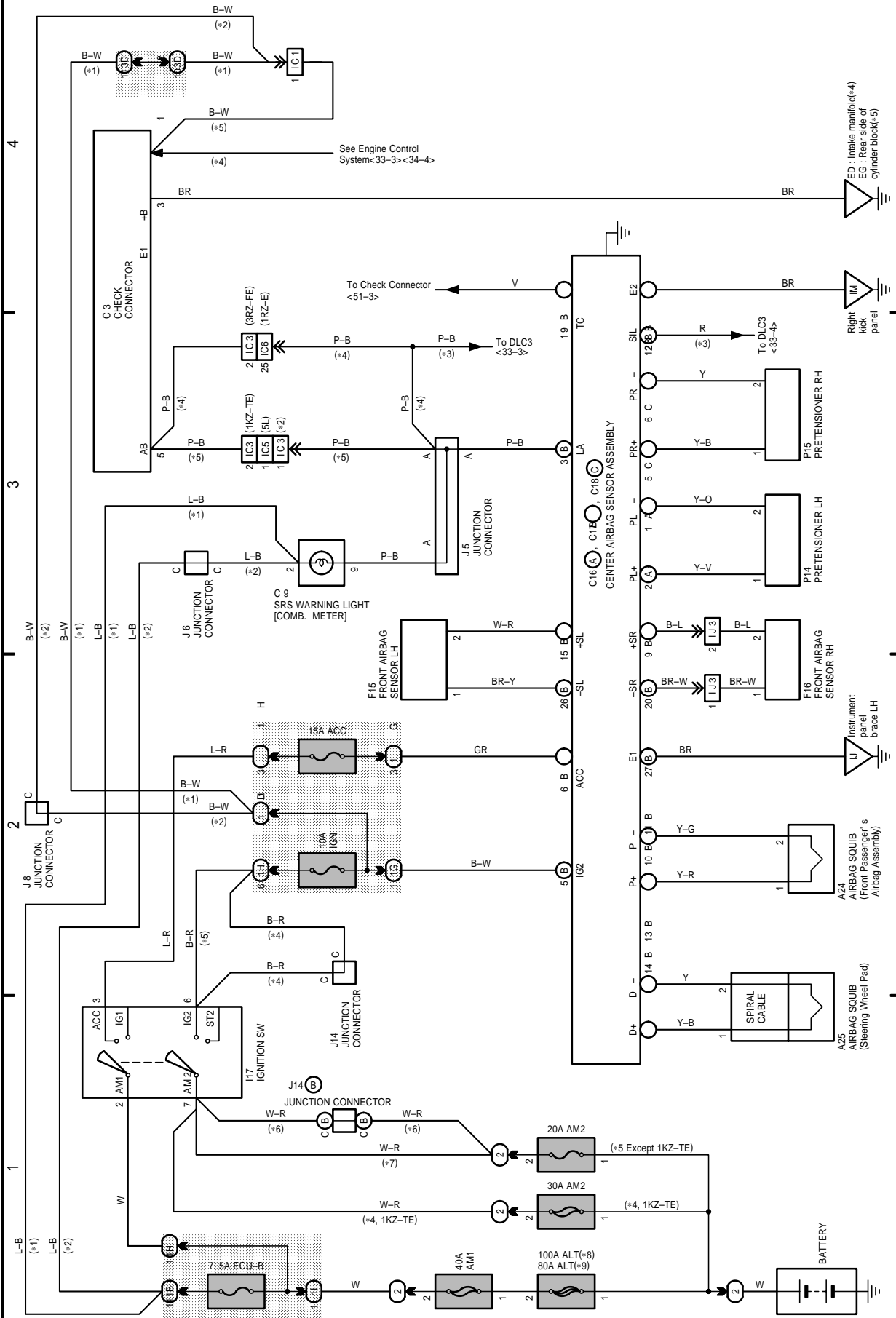
I OVERALL ELECTRICAL WIRING DIAGRAM

52 HILUX (RHD)

Power Source

SRS

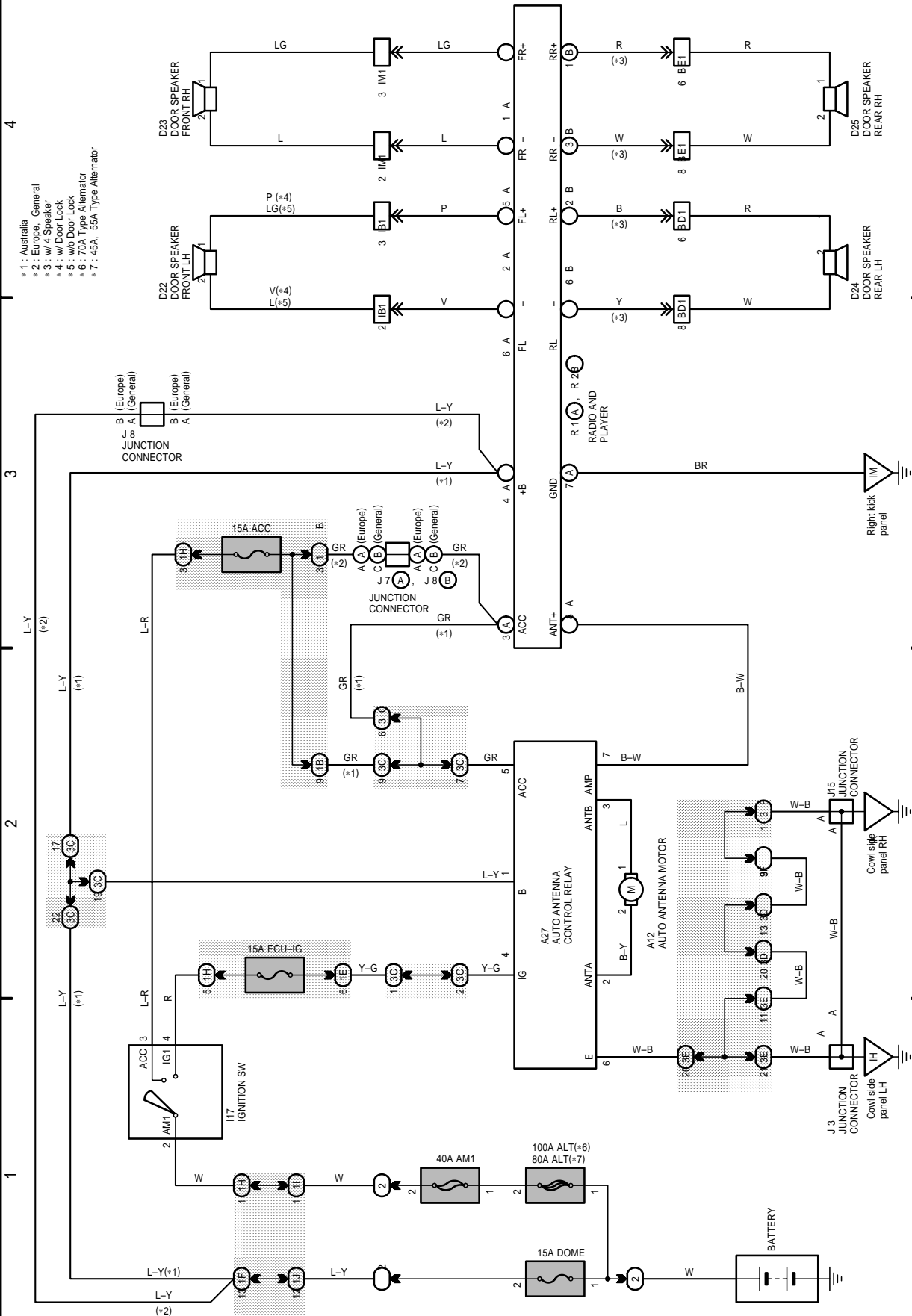
- * 1 : Australia
- * 2 : Europe
- * 3 : 3RZ-FE
- * 4 : Gasoline
- * 5 : Diesel
- * 6 : 2L-T w/o Dim-Dip Light
- * 7 : 5L, 2L, 2L-T w/ Dim-Dip Light
- * 8 : 70A Type Alternator
- * 9 : 45A, 55A Type Alternator



Power Source

Auto Antenna

Radio and Player

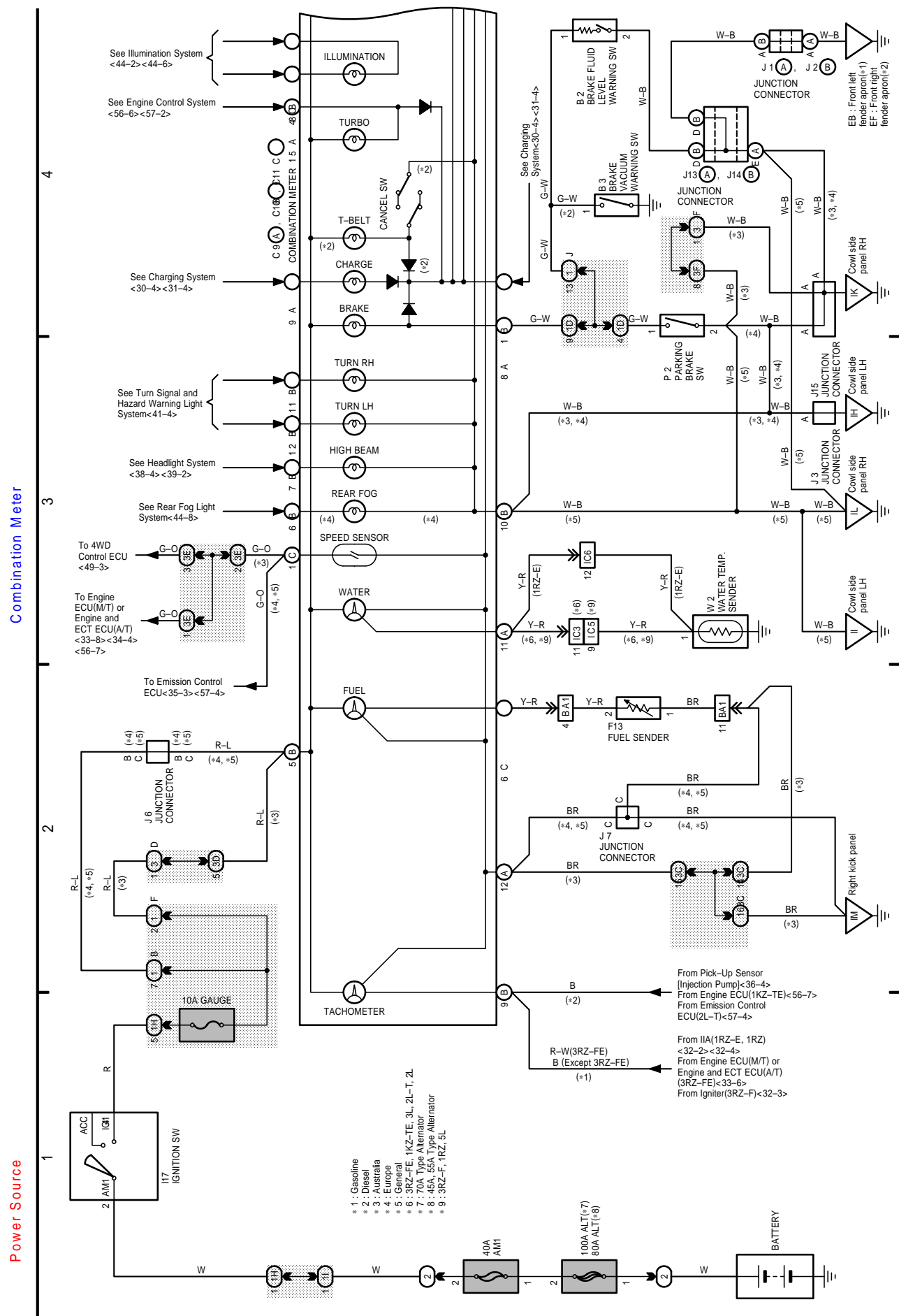


I OVERALL ELECTRICAL WIRING DIAGRAM

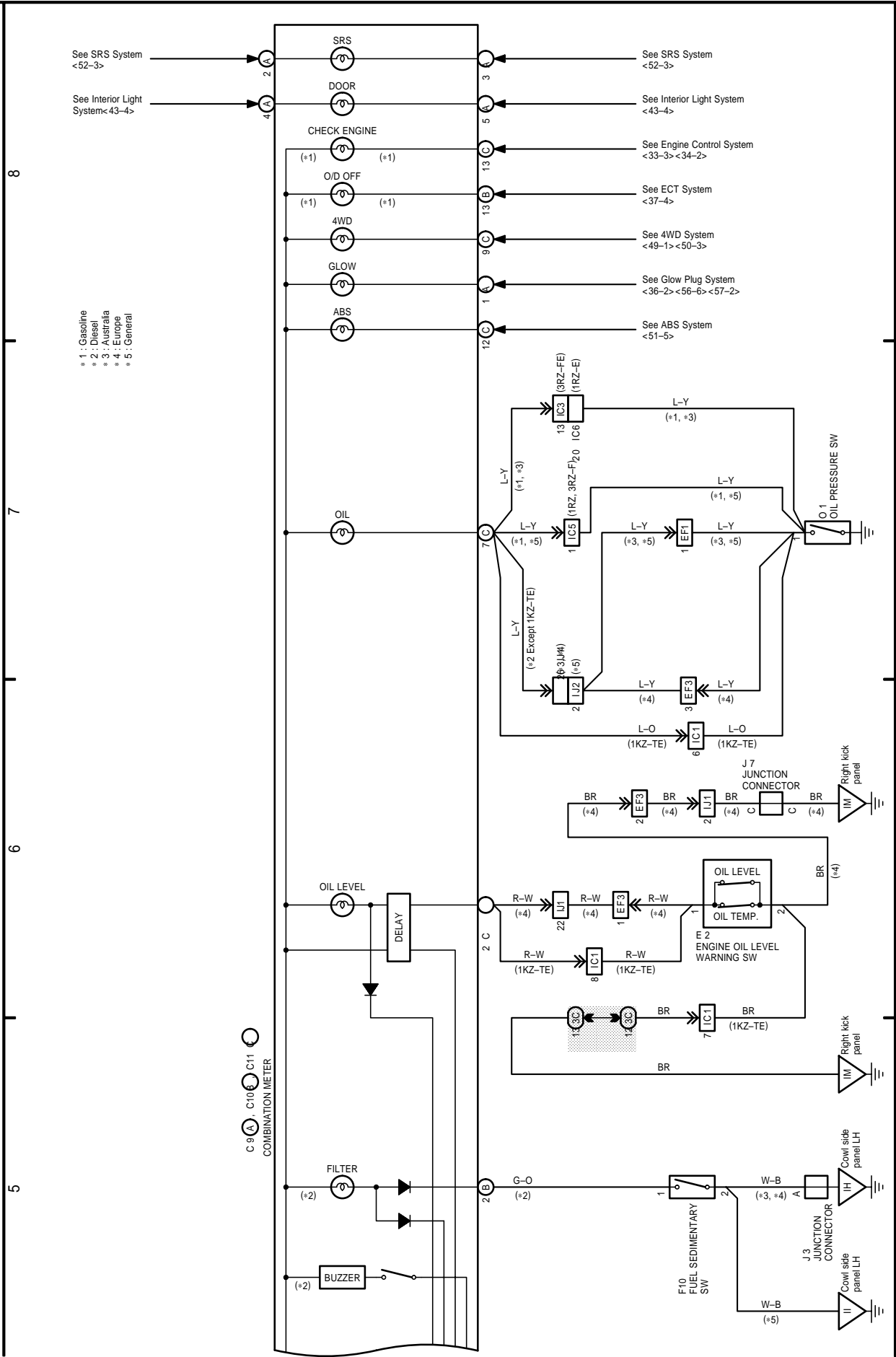
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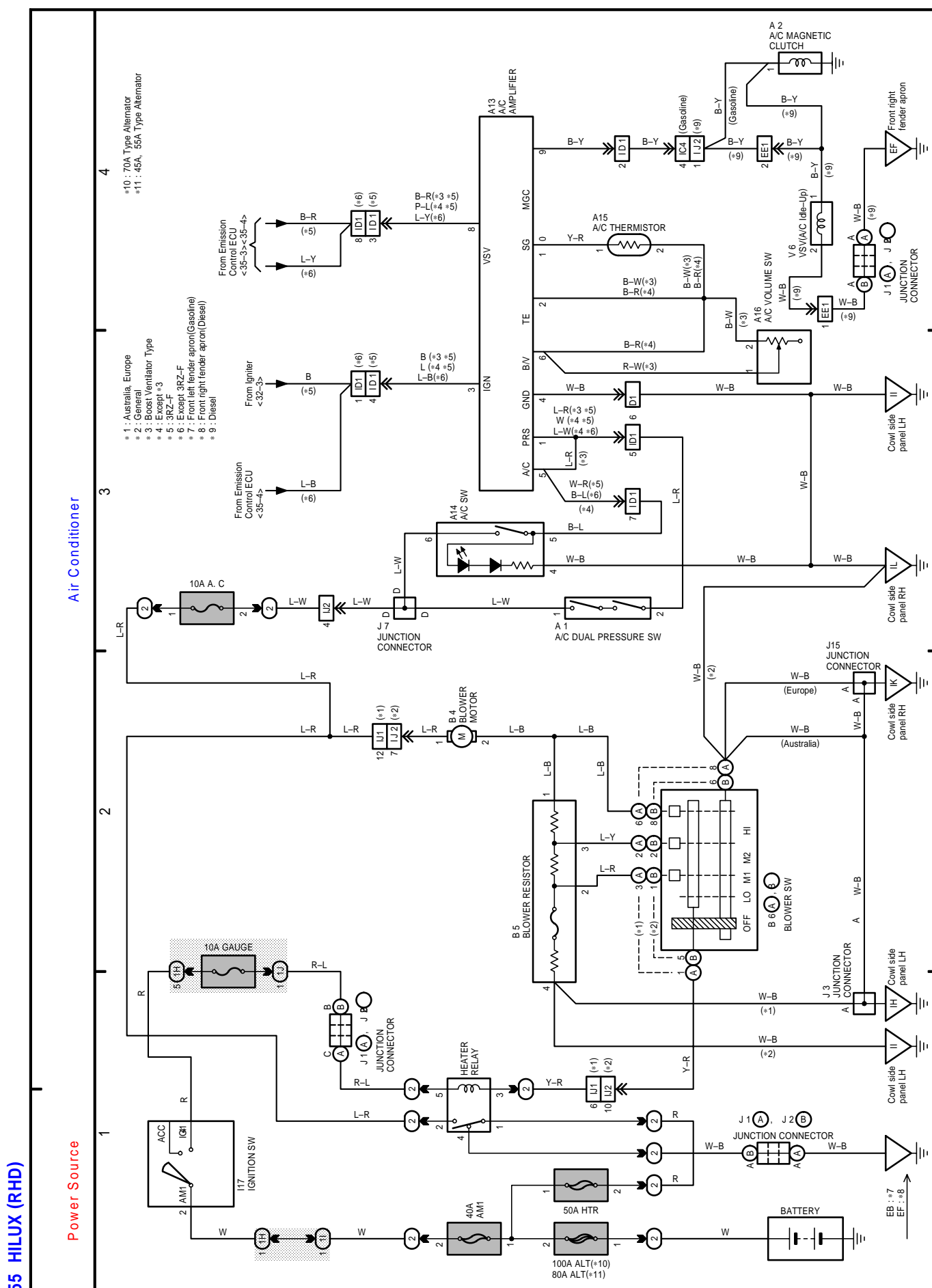
54 HILUX (RHD)



Combination Meter



I OVERALL ELECTRICAL WIRING DIAGRAM



I OVERALL ELECTRICAL WIRING DIAGRAM

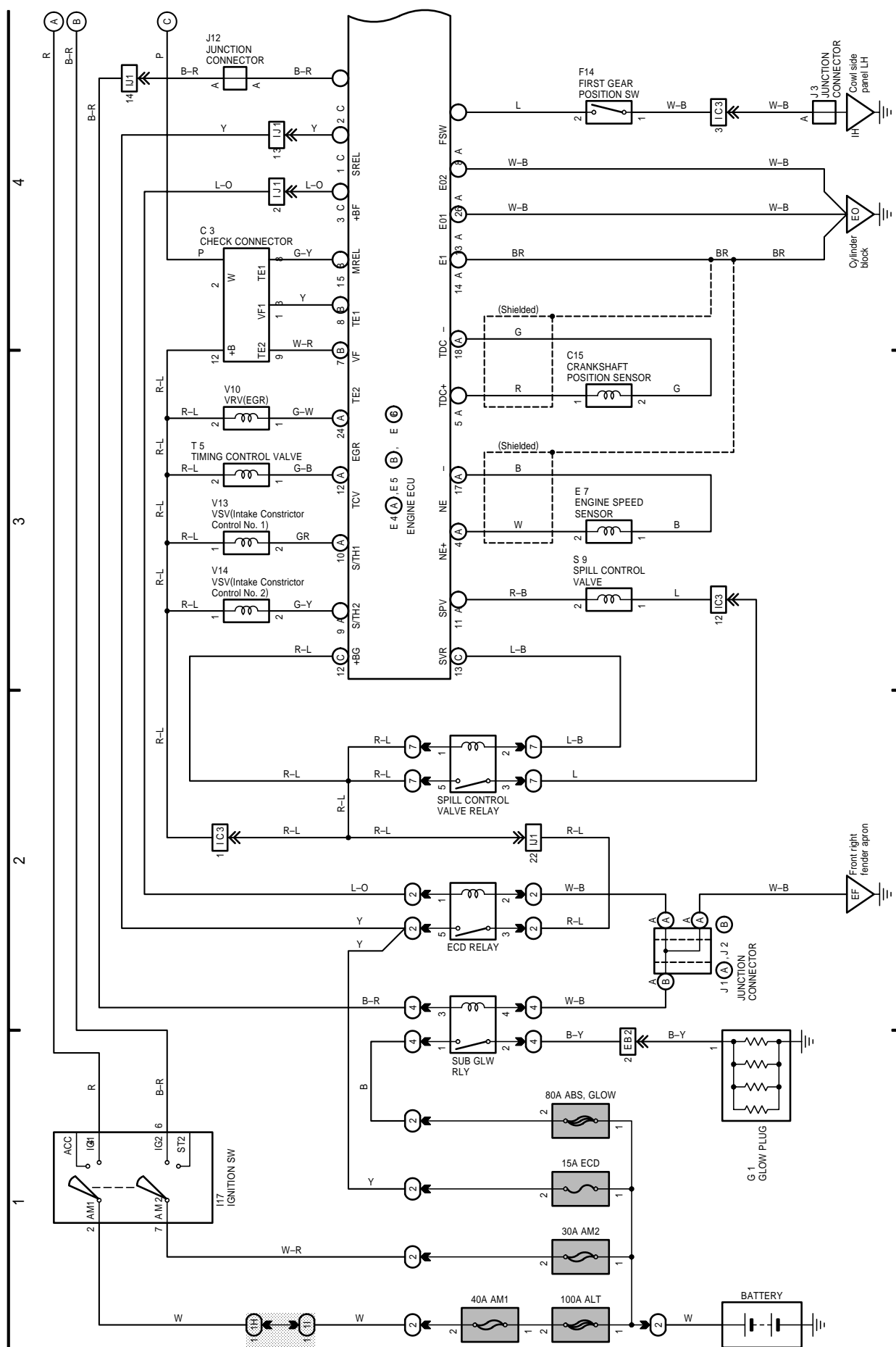
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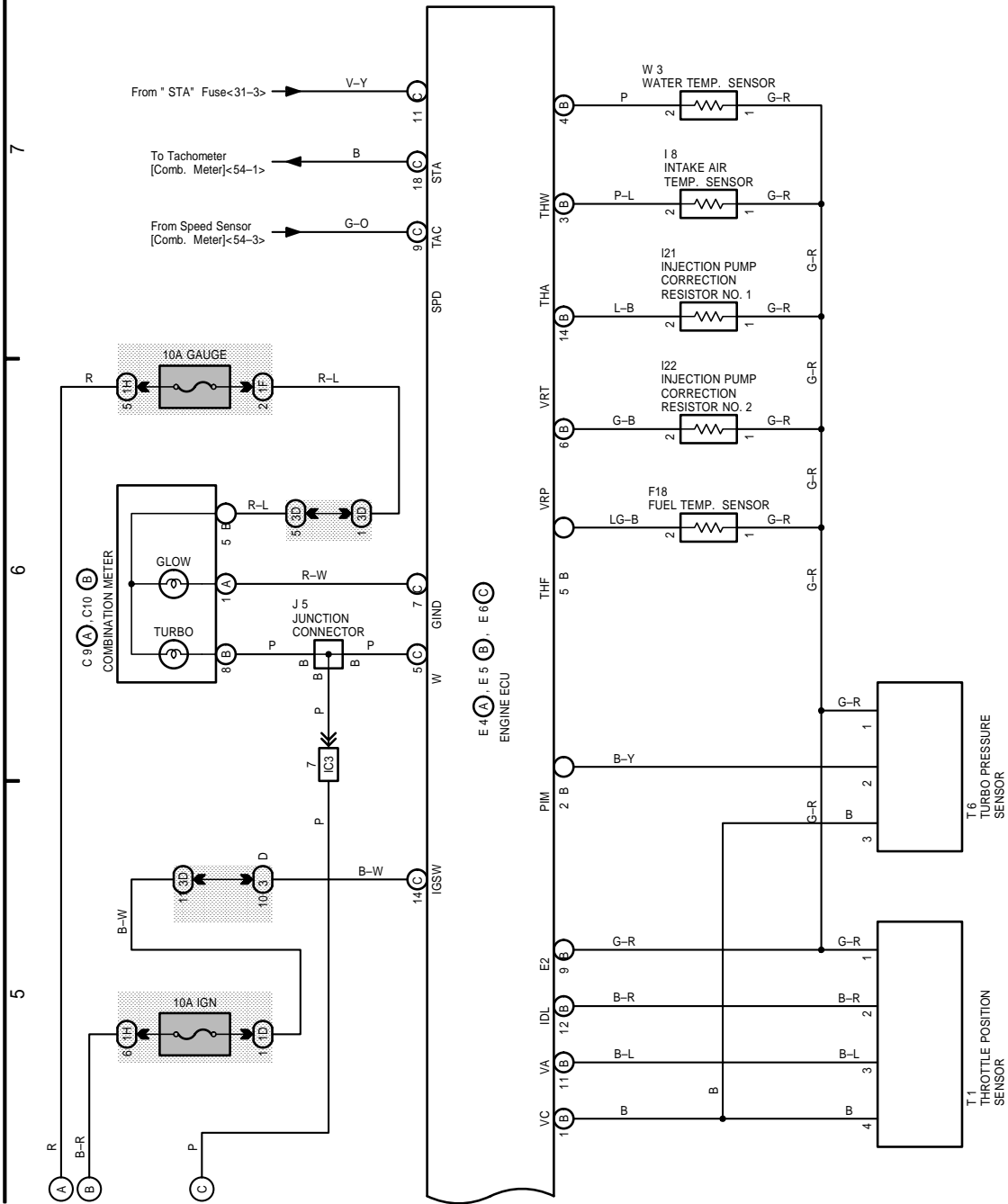
56 HILUX (RHD)

Power Source

Engine Control (1KZ-TE)



Engine Control (1KZ-TE)



I OVERALL ELECTRICAL WIRING DIAGRAM

