

FOREWORD

This wiring diagram manual has been prepared to provide information on the electrical system of the DUTRO.

Applicable models: XZU342, 404, 412, 414, 422, 424, 434
WU300, 340, 410

For service specifications and repair procedures of the above models other than those listed in this manual, refer to the following manuals;

Manual Name	Pub. No.
● DUTRO Chassis and Body Workshop Manual	S1-YXZE05A
● W04D-J Engine Workshop Manual	S5-YW04E06A
● S05C-B, S05C-TA, S05C-TB Engine Workshop Manual	S5-YS05E06A

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.

ELECTRICAL WIRING DIAGRAM

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ELECTRICAL WIRING ROUTING	E	16
CONNECTOR LIST	F	68
PART NUMBER OF CONNECTORS	G	76
OVERALL ELECTRICAL WIRING DIAGRAM .	H	80

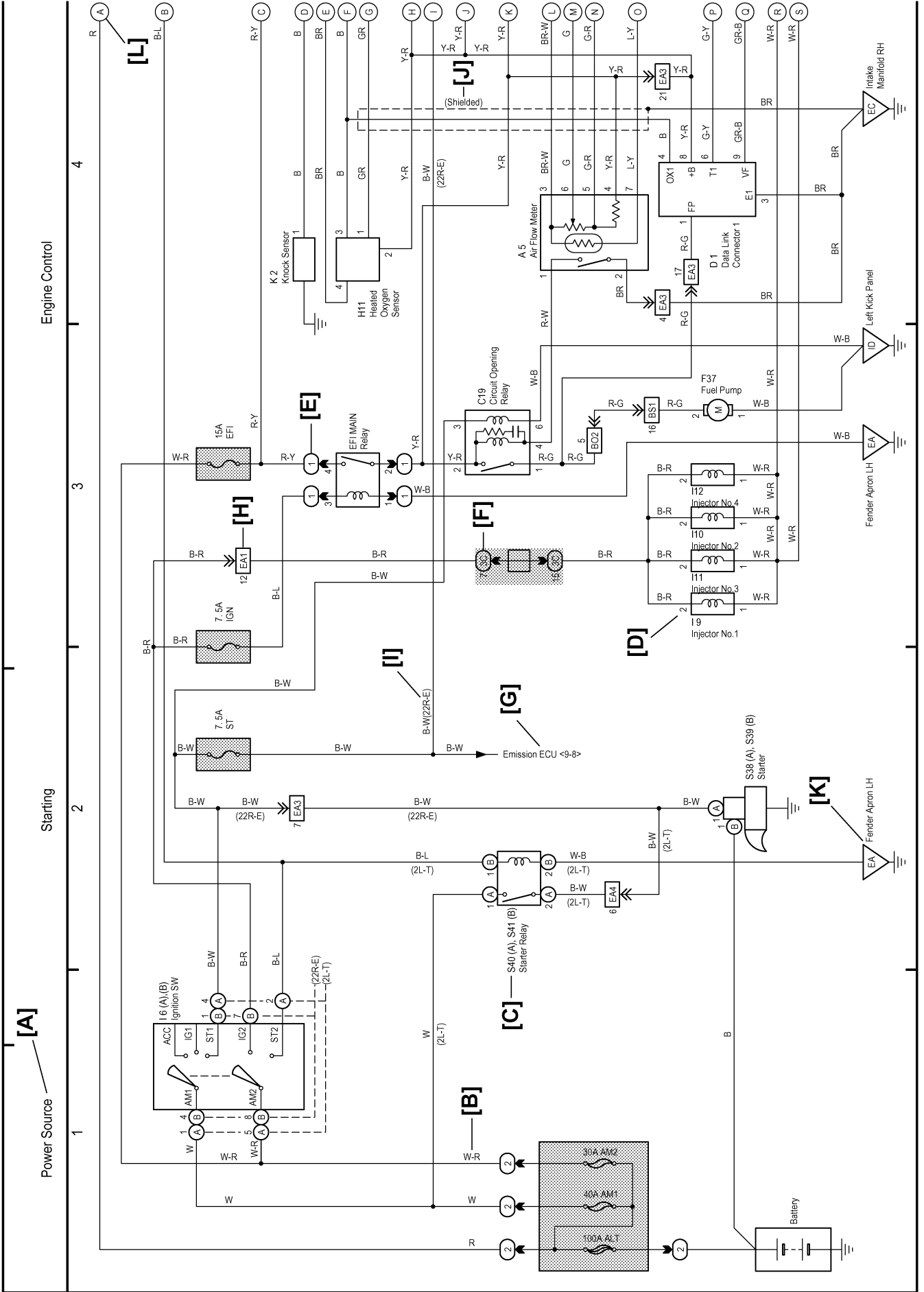
This manual consists of the following 8 sections:

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	ELECTRICAL WIRING ROUTING	Describes position of the Parts Connectors, Ground points, etc. This section is closely related to the wiring diagram.
F	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the wiring diagram.
G	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
H	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

B HOW TO USE THIS MANUAL

* 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

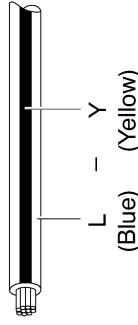
[B] : Indicates the wiring color.

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.

Example: L - Y

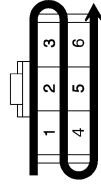


[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

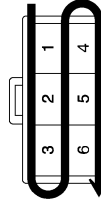
[D] : Indicates the pin number of the connector.

The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right



Female



Male

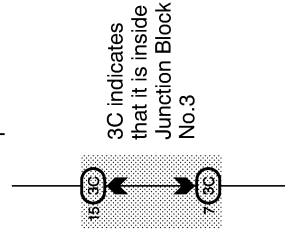
The numbering system for the overall wiring diagram is the same as above.

[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

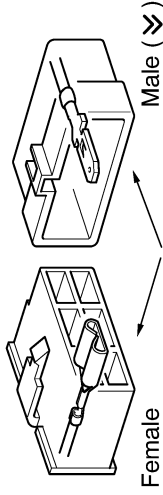
[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example



[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.



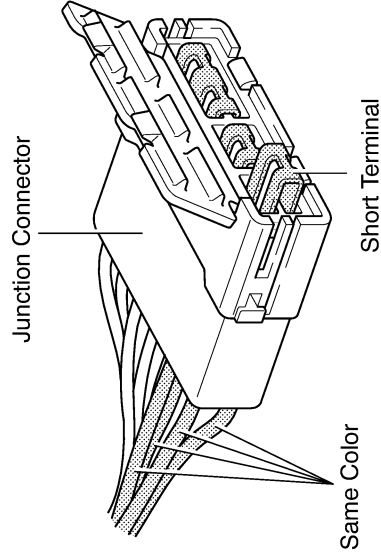
[K] : Indicates and located on ground point.

[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

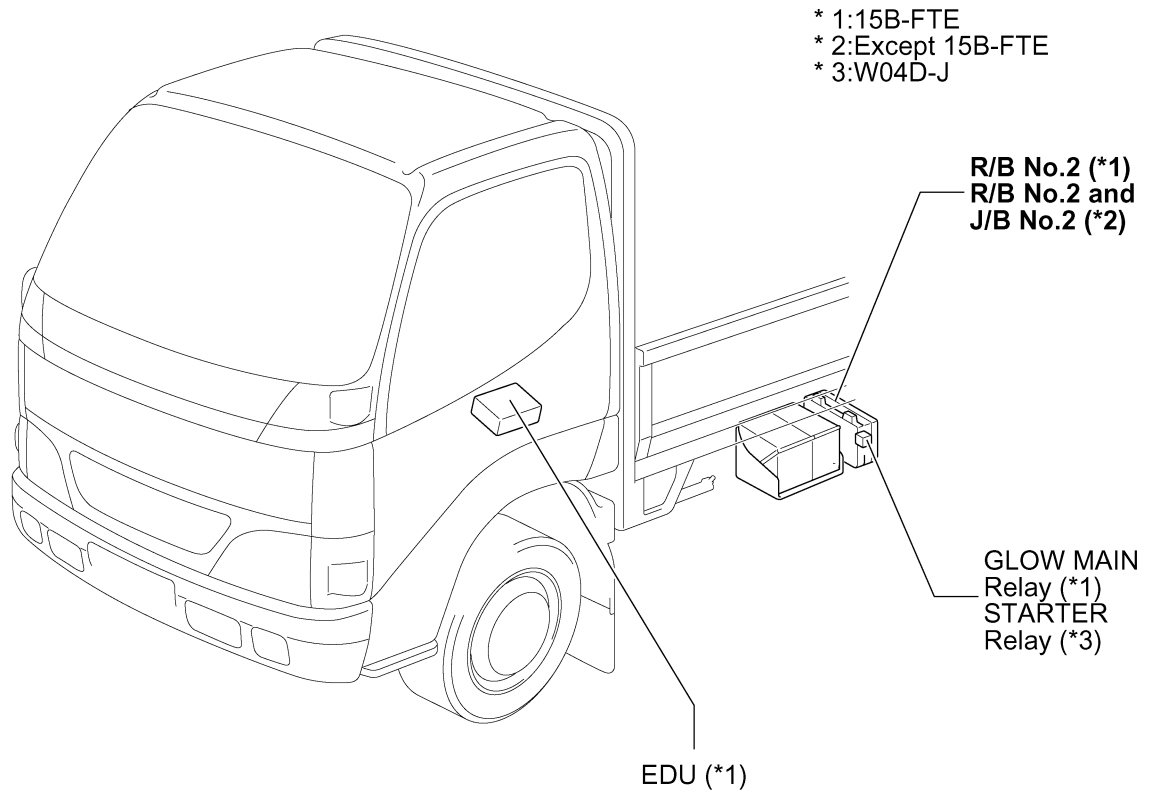
The following abbreviations are used in this manual.

A/C	=	Air Conditioner
ABS	=	Anti-Lock Brake System
CD	=	Compact Disc
COMB.	=	Combination
DC	=	Direct Current
DLC3	=	Data Link Connector 3
ECU	=	Electronic Control Unit
EDU	=	Electronic Driving Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
ES	=	Easy & Smooth
FL	=	Fusible Link
GVWR	=	Gross Vehicle Weight Rating
INT	=	Intermittent
J/B	=	Junction Block
LCD	=	Liquid Crystal Display
LH	=	Left-Hand
LHD	=	Left-Hand Drive
PTO	=	Power Take Off
R/B	=	Relay Block
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

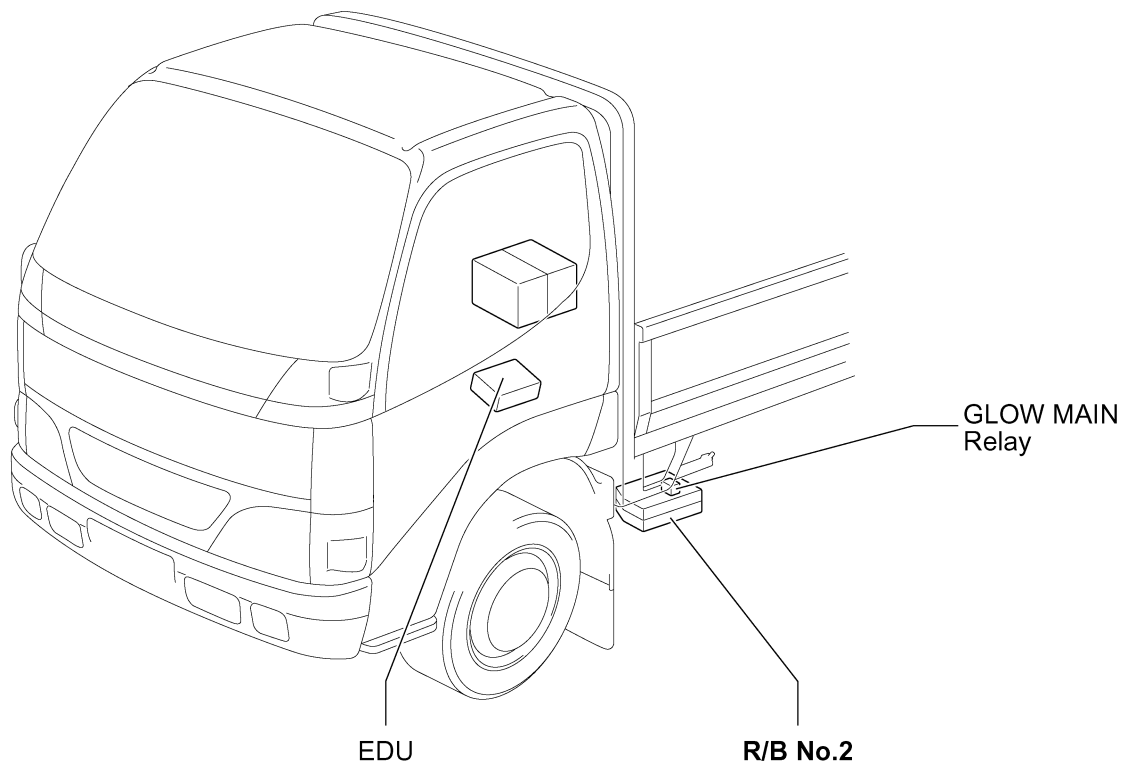
* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

D RELAY LOCATIONS

[Engine Compartment]
(Standard Cab Except Standard Roof)

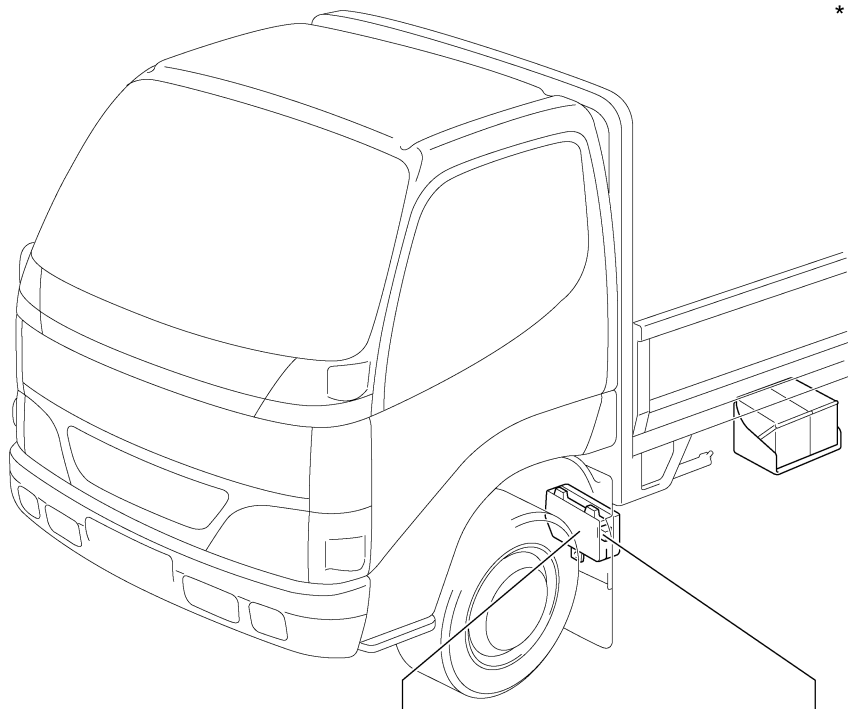


(Standard Cab Standard Roof)



(Wide Cab)

- * 1:S05C-TB
- * 2:Except S05C-TB

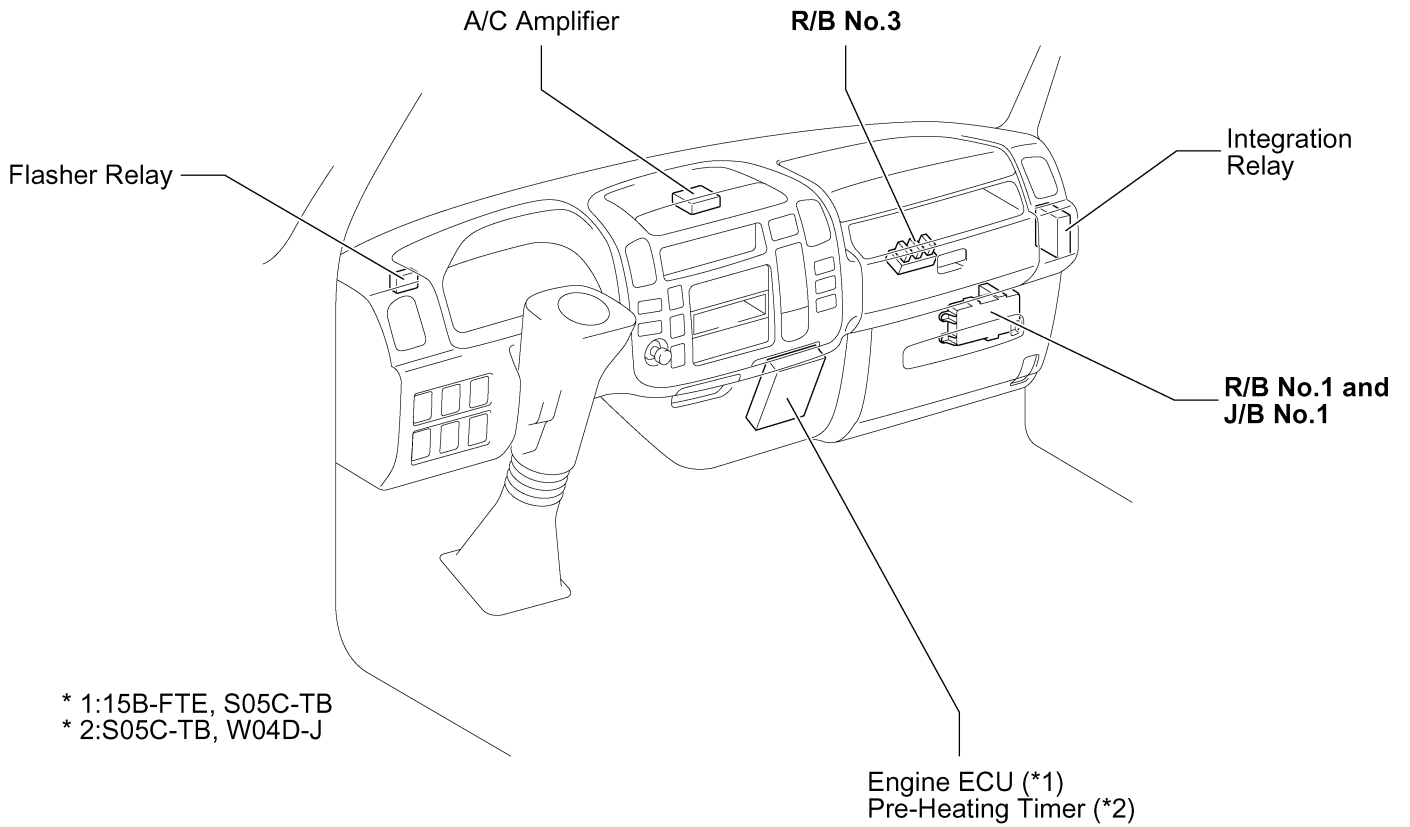


R/B No.2 (*1)
R/B No.2 and J/B No.2 (*2)

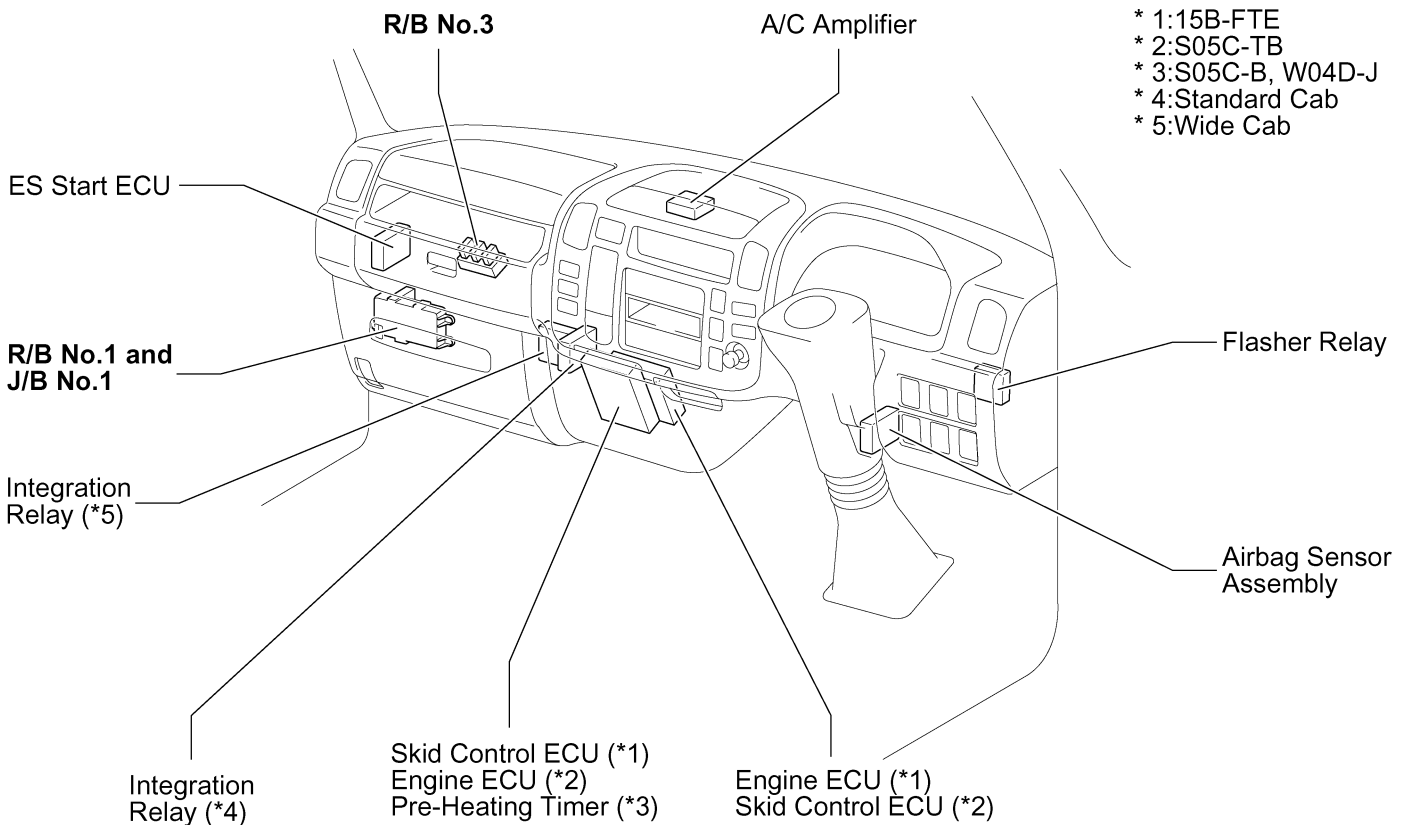
STARTER Relay

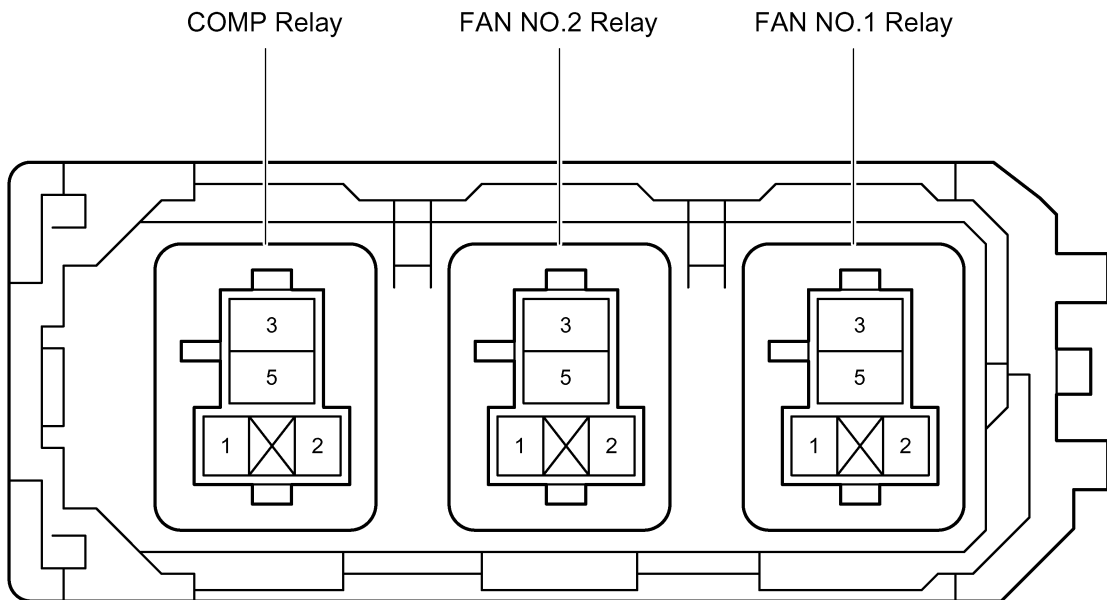
D RELAY LOCATIONS

[Instrument Panel] (LHD)



(RHD)





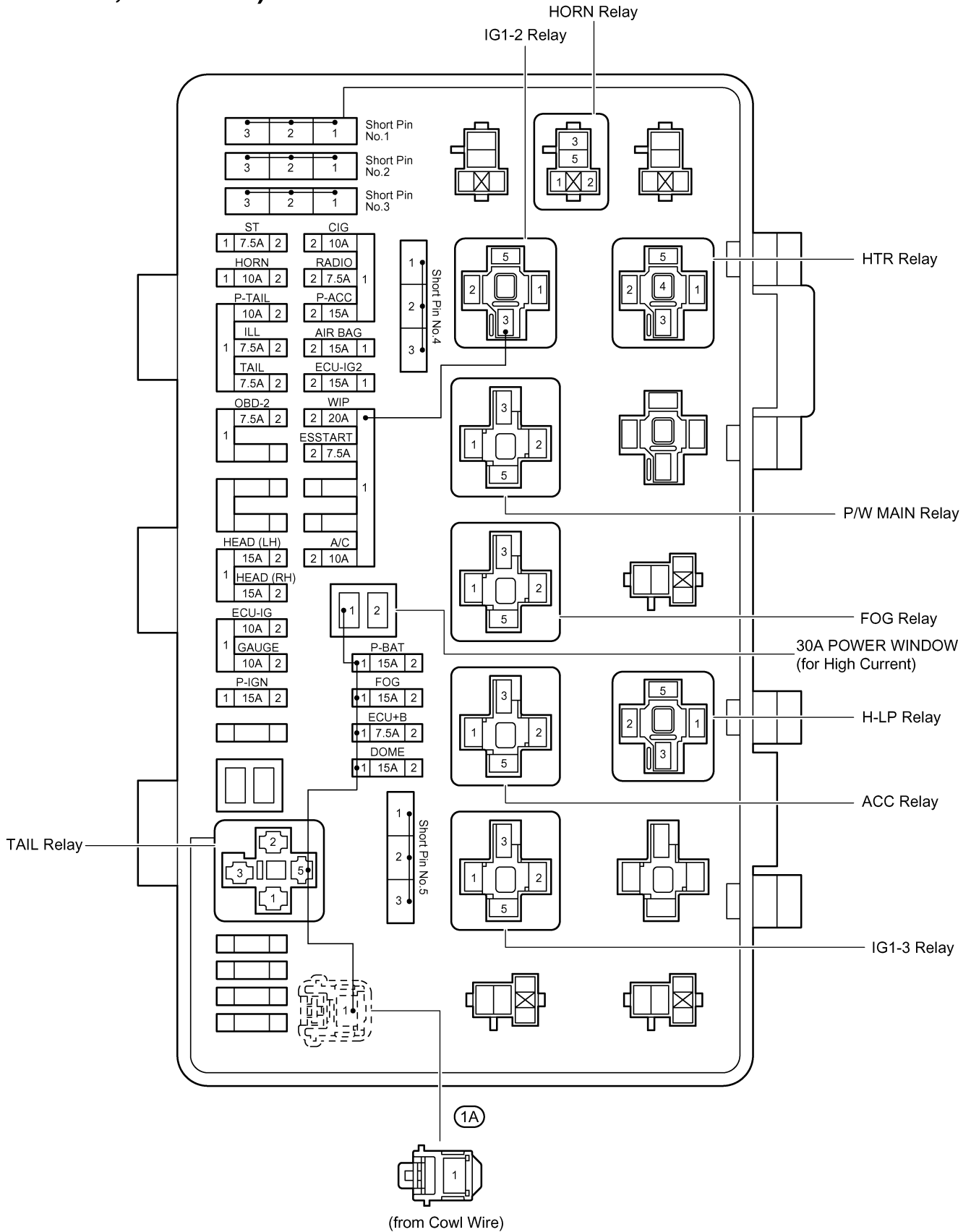
D RELAY LOCATIONS

① : R/B No.1

○ : J/B No.1

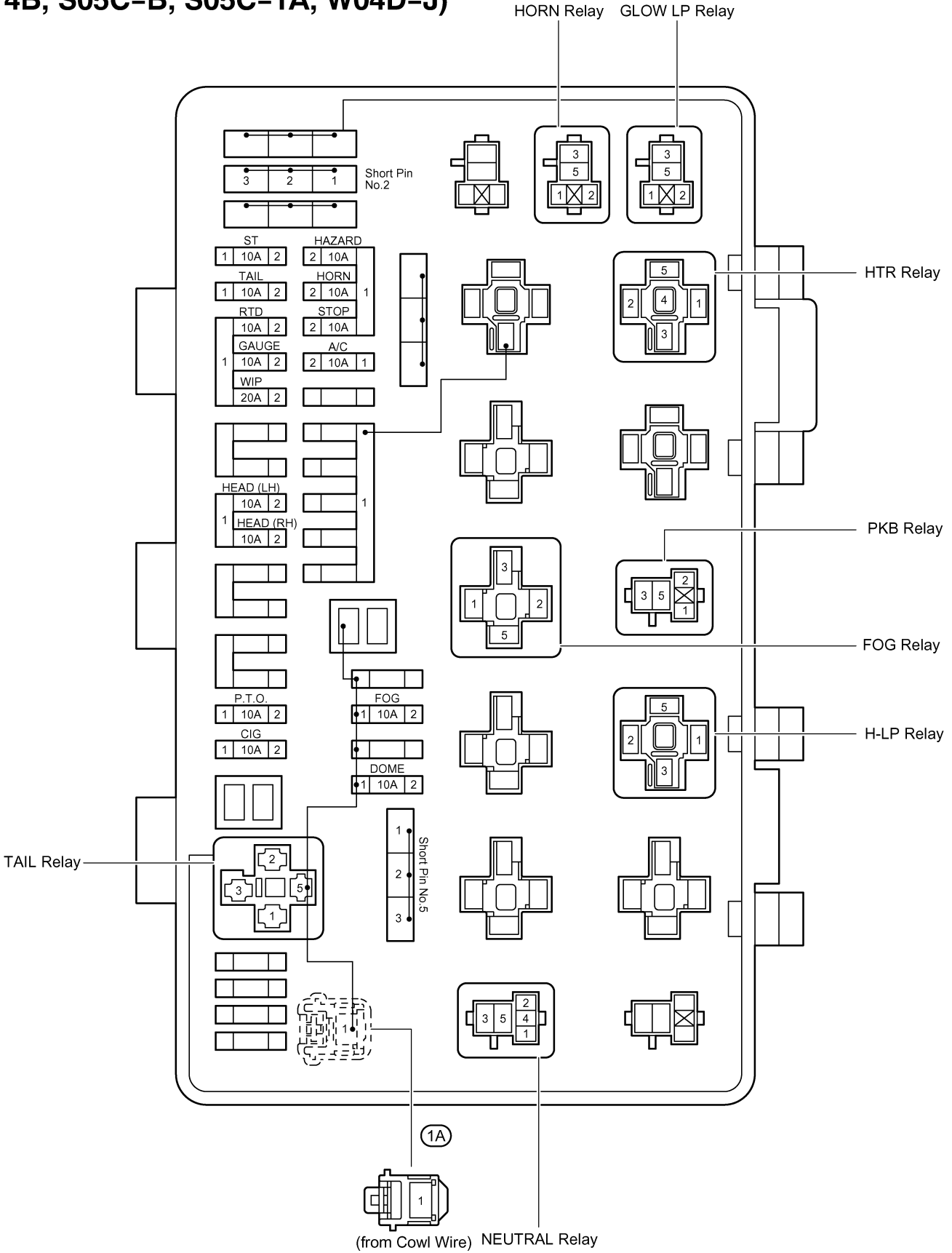
Under the Glove Box (See Page 10)

(15B-FTE, S05C-TB)



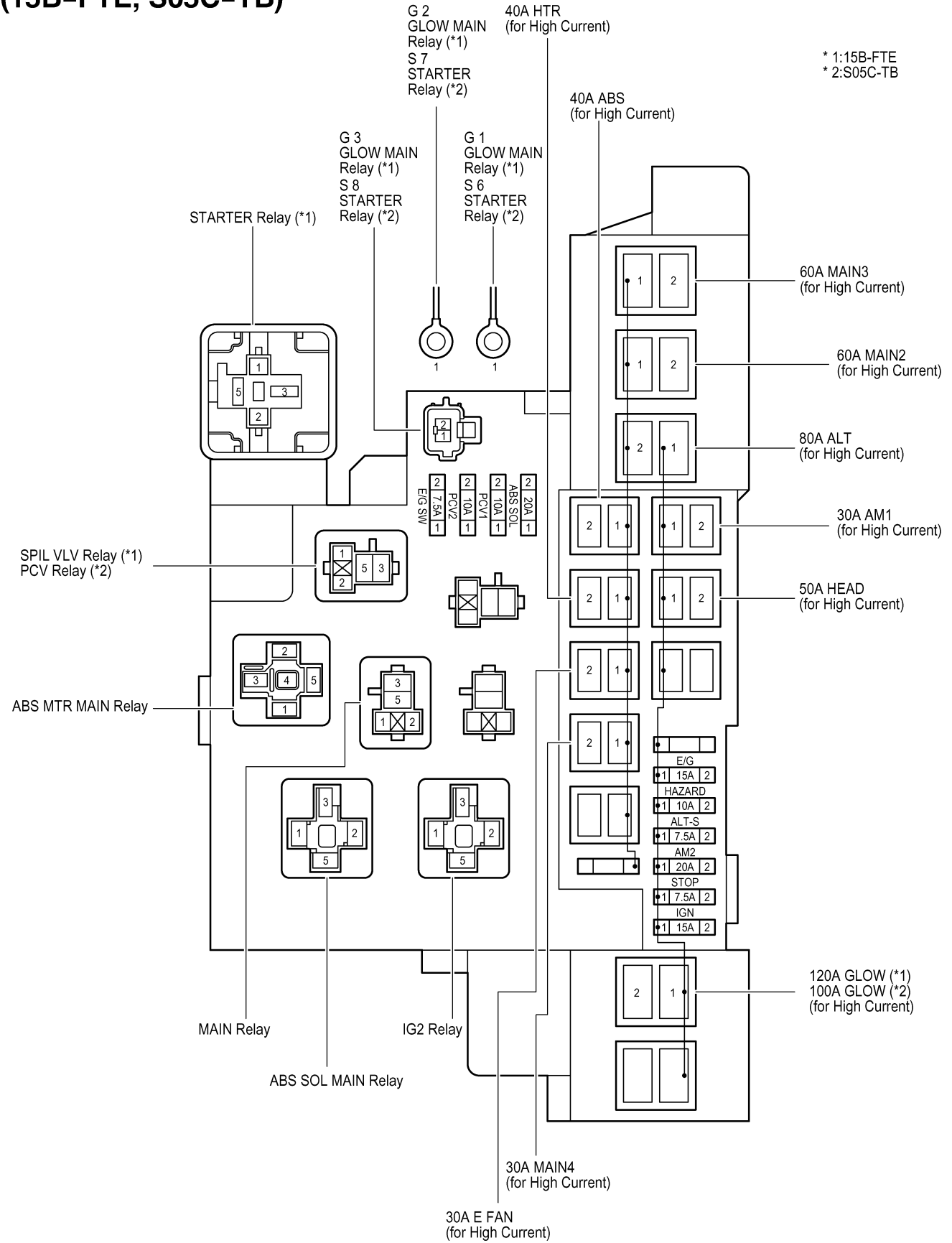
① : R/B No.1	Under the Glove Box (See Page 10)
○ : J/B No.1	

(14B, S05C-B, S05C-TA, W04D-J)



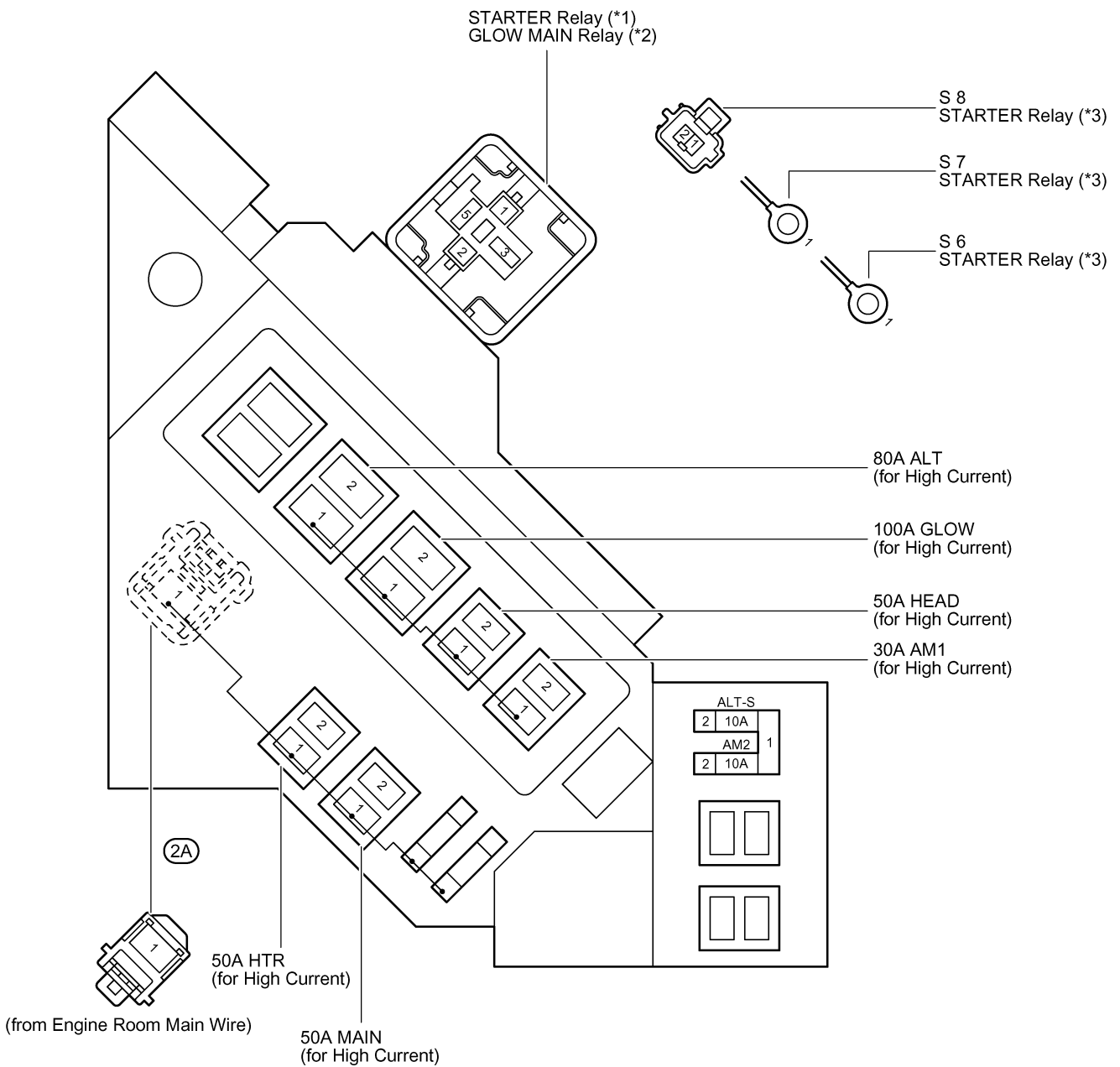
D RELAY LOCATIONS

② : R/B No.2 **Front Left Side of Under the Rear Deck (See Page 8, 9)**
(15B-FTE, S05C-TB)



② : R/B No.2 ○ : J/B No.2	Front Left Side of Under the Rear Deck (See Page 8, 9) (14B, S05C-B, S05C-TA, W04D-J)
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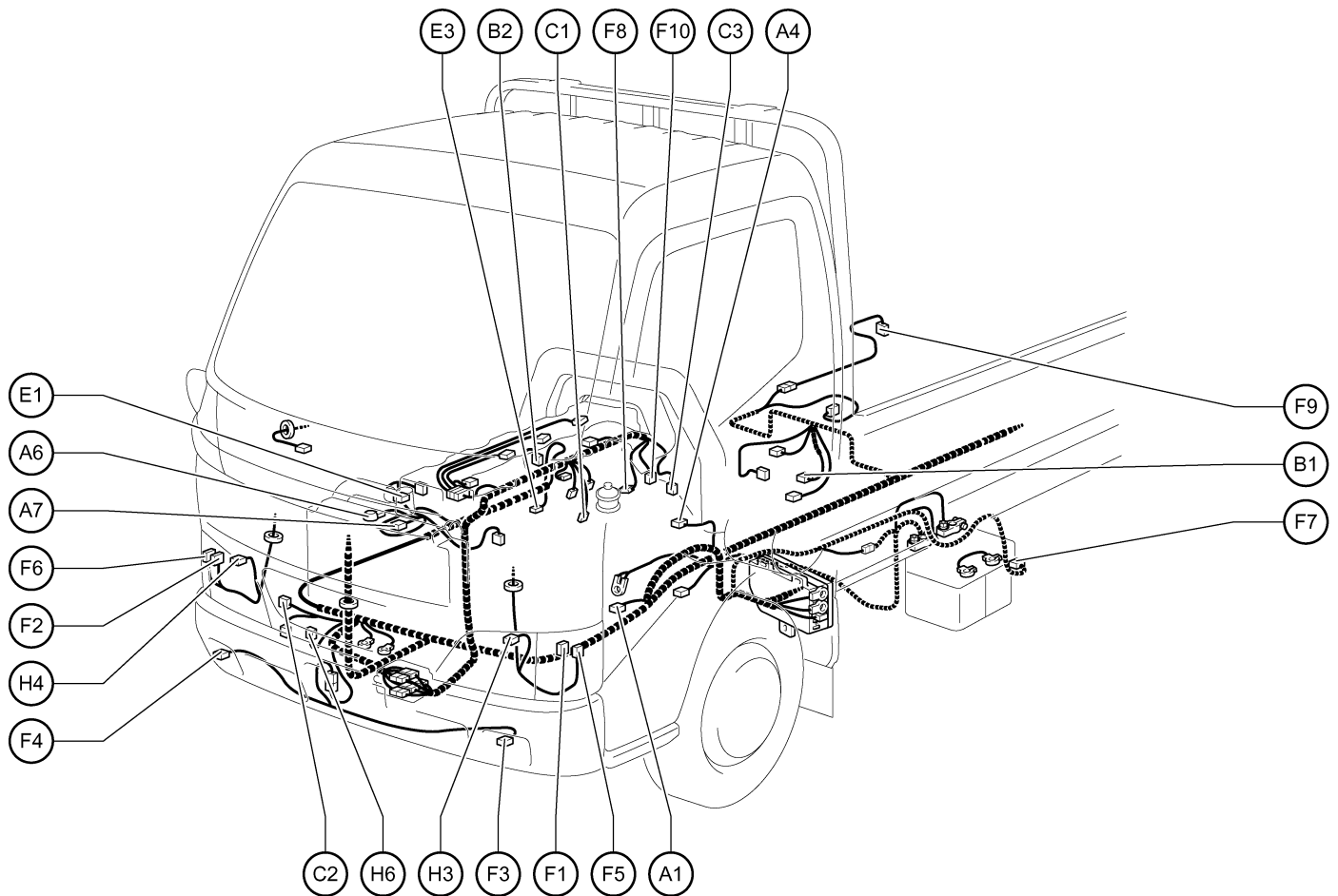
- * 1:14B
- * 2:S05C-B, W04D-J
- * 3:S05C-B, S05C-TA, W04D-J



E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : S05C-TB]



A 1 A/C Magnetic Clutch
 A 4 Accel Position Sensor
 A 6 Alternator
 A 7 Alternator

B 1 Back-Up Light SW
 B 2 Brake Vacuum Warning SW

C 1 Camshaft Position Sensor
 C 2 Condenser Fan Motor and Resistor
 C 3 Crankshaft Position Sensor

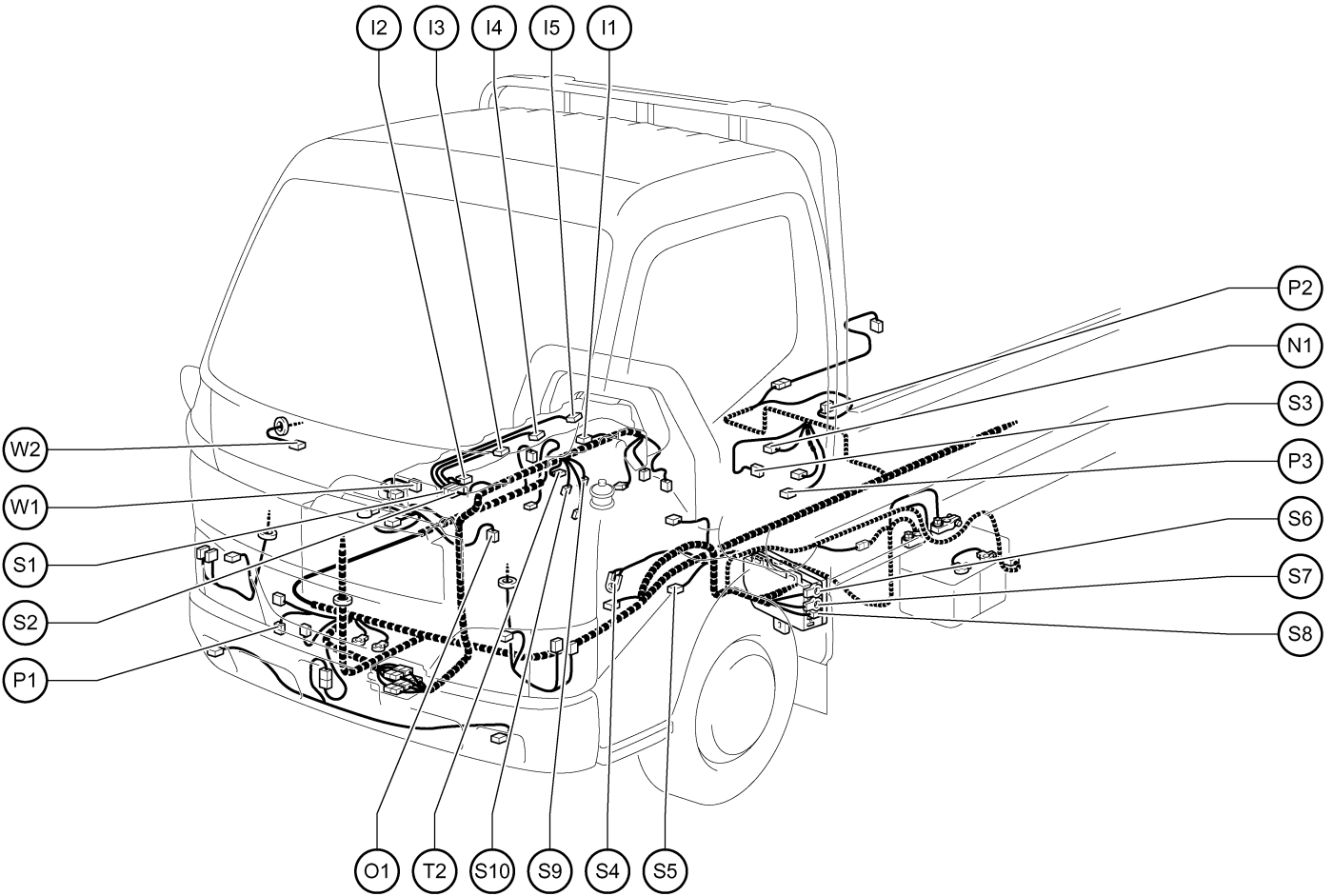
E 1 EFI Water Temp. Sensor
 Water Temp. Sender
 E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
 F 2 Front Clearance Light RH
 F 3 Front Fog Light LH
 F 4 Front Fog Light RH
 F 5 Front Turn Signal Light LH
 F 6 Front Turn Signal Light RH
 F 7 Fuel Filter Warning SW
 F 8 Fuel Pressure Sensor
 F 9 Fuel Sender
 F 10 Fuel Temp. Sensor

H 3 Headlight LH
 H 4 Headlight RH
 H 6 Horn (Low)

Position of Parts in Engine Compartment

[LHD : S05C-TB]



I 1 Injection Pump Correction Resistor
 I 2 Injector No.1
 I 3 Injector No.2
 I 4 Injector No.3
 I 5 Injector No.4

N 1 Neutral Position SW

O 1 Oil Pressure SW

P 1 Pressure SW

P 2 PTO Solenoid Valve

P 3 PTO Transmission Neutral Position SW

S 1 Short Connector
 S 2 Short Connector
 S 3 Speed Sensor (Combination Meter)
 S 4 Starter
 S 5 Starter
 S 6 STARTER Relay
 S 7 STARTER Relay
 S 8 STARTER Relay
 S 9 Suction Control Valve No.1
 S10 Suction Control Valve No.2

T 2 Turbo Pressure Sensor

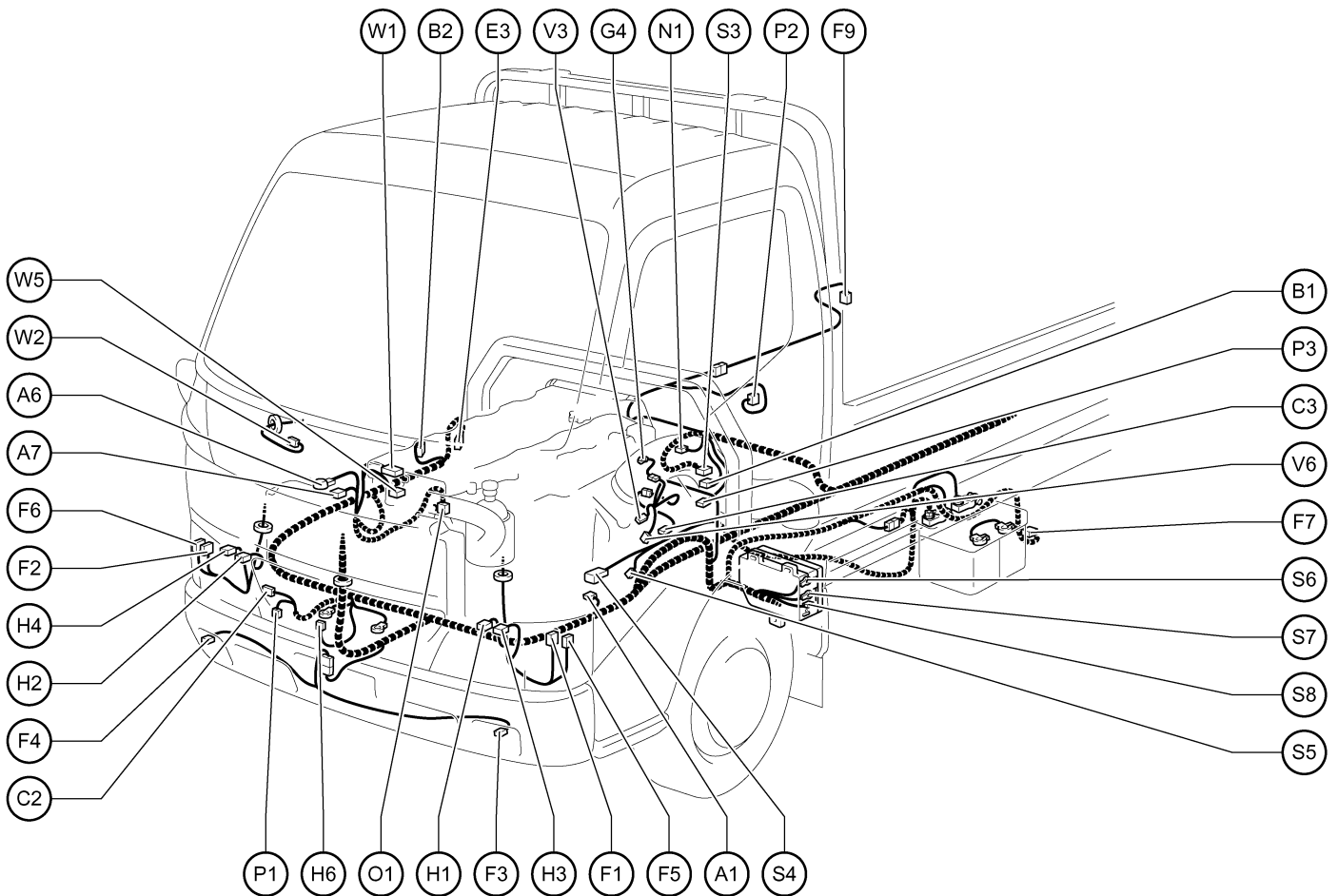
W 1 Water Temp. SW

W 2 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : S05C-B]



A 1 A/C Magnetic Clutch
A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 2 Condenser Fan Motor and Resistor
C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

G 4 Glow Plug

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

N 1 Neutral Position SW

O 1 Oil Pressure SW

P 1 Pressure SW
P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

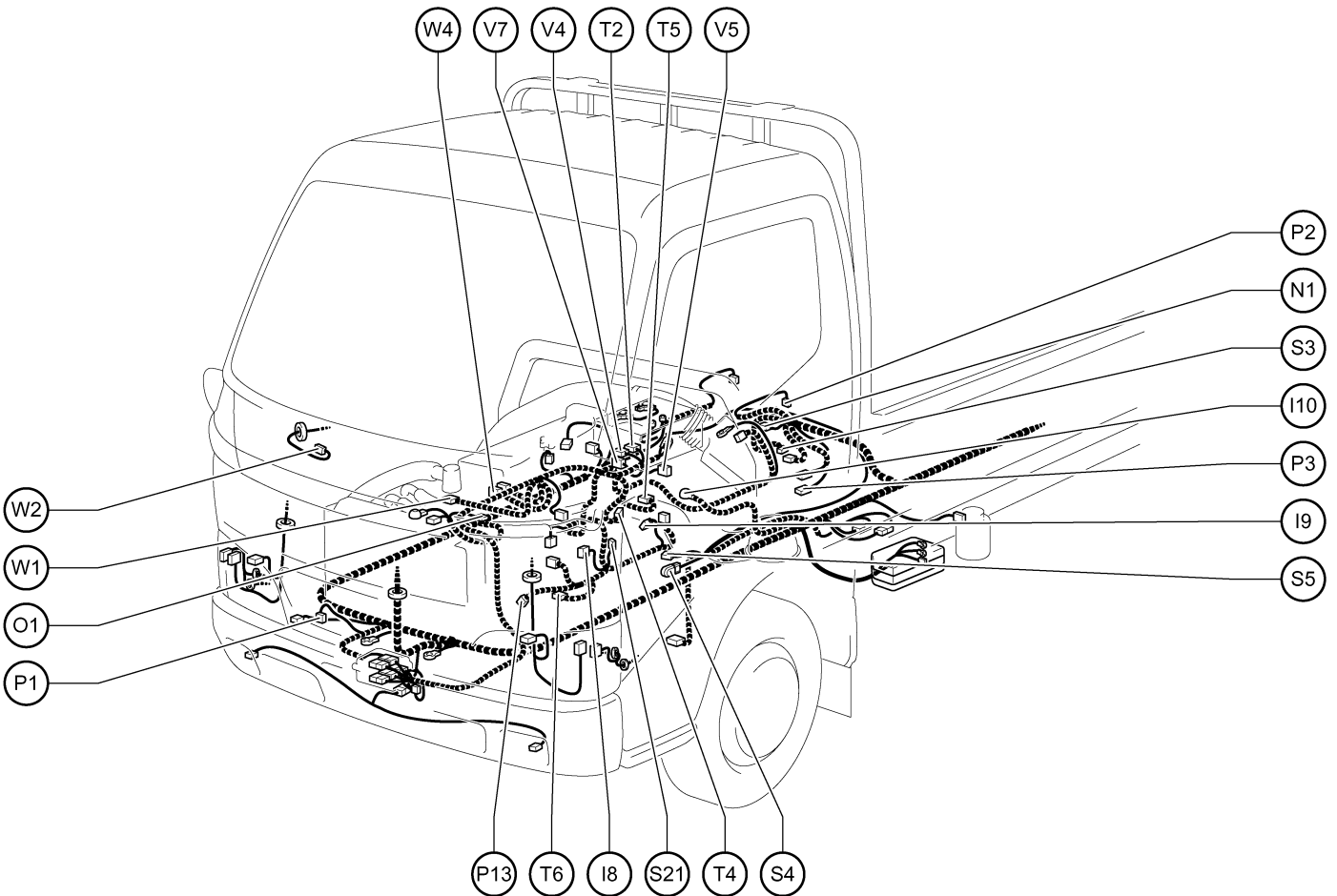
S 3 Speed Sensor (Combination Meter)
S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

V 3 VSV (Intake Shutter)
V 6 VSV (Exhaust Brake)

W 1 Water Temp. SW
W 2 Wiper Motor
W 5 Water Temp. Sender
Water Temp. Sensor

Position of Parts in Engine Compartment

[LHD : 15B-FTE Standard Roof]



I 8 Injection Pump
I 9 Intake Air Temp. Sensor
I 10 Intake Heater

N 1 Neutral Position SW

O 1 Oil Pressure SW

P 1 Pressure SW

P 2 PTO Solenoid Valve

P 3 PTO Transmission Neutral Position SW

P13 Power Steering Oil Pressure SW

S 3 Speed Sensor (Combination Meter)

S 4 Starter

S 5 Starter

S21 Spill Valve

T 2 Turbo Pressure Sensor

T 4 Throttle Control Motor

T 5 Throttle Open SW

T 6 Timing Control Valve

V 4 VRV (EGR)

V 5 VSV (EGR Cut)

V 7 VSV (Pressure Sensor)

W 1 Water Temp. SW

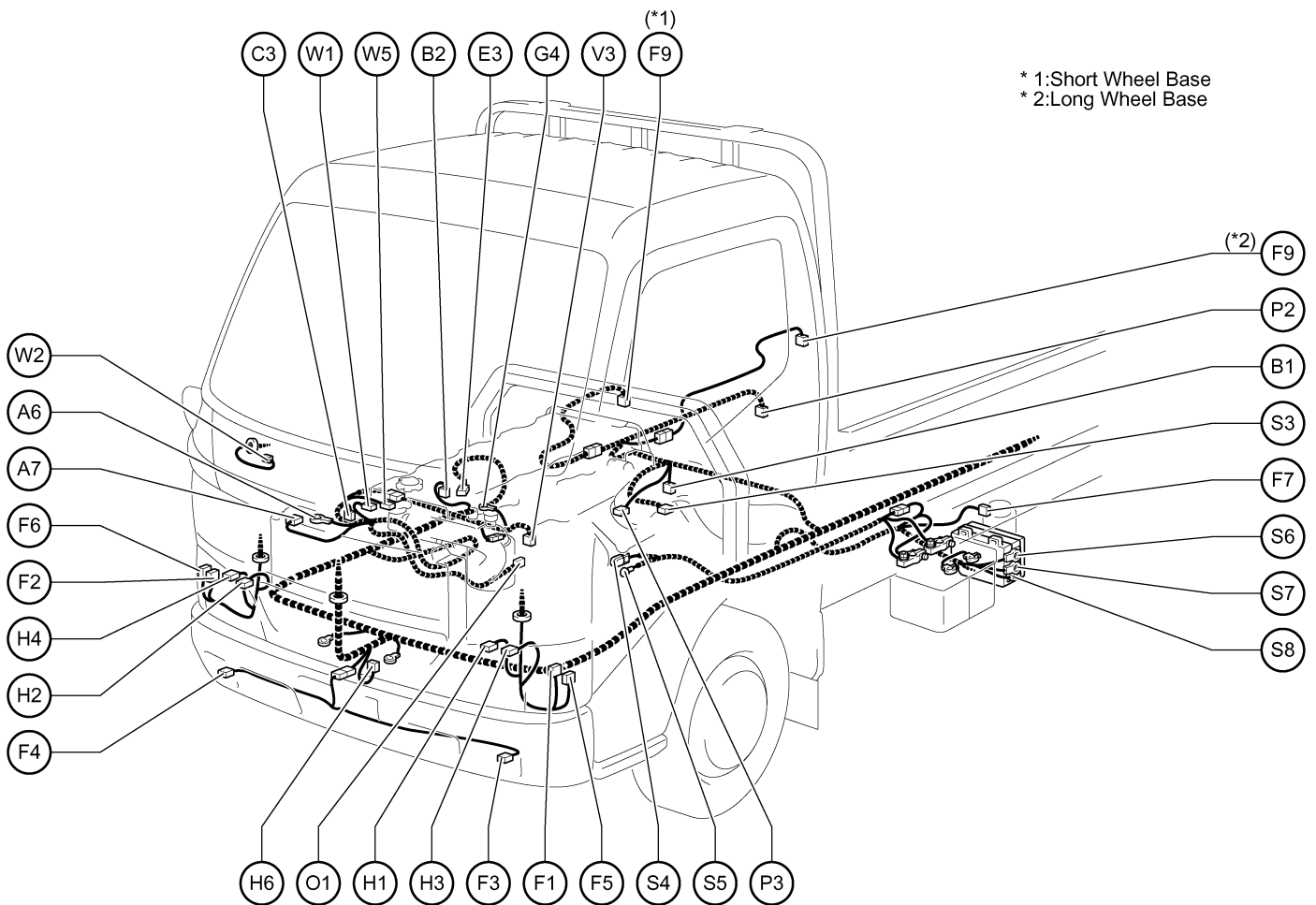
W 2 Wiper Motor

W 4 Water Temp. Sender

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : W04D-J Standard Cab]



A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

G 4 Glow Plug

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

O 1 Oil Pressure SW

P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

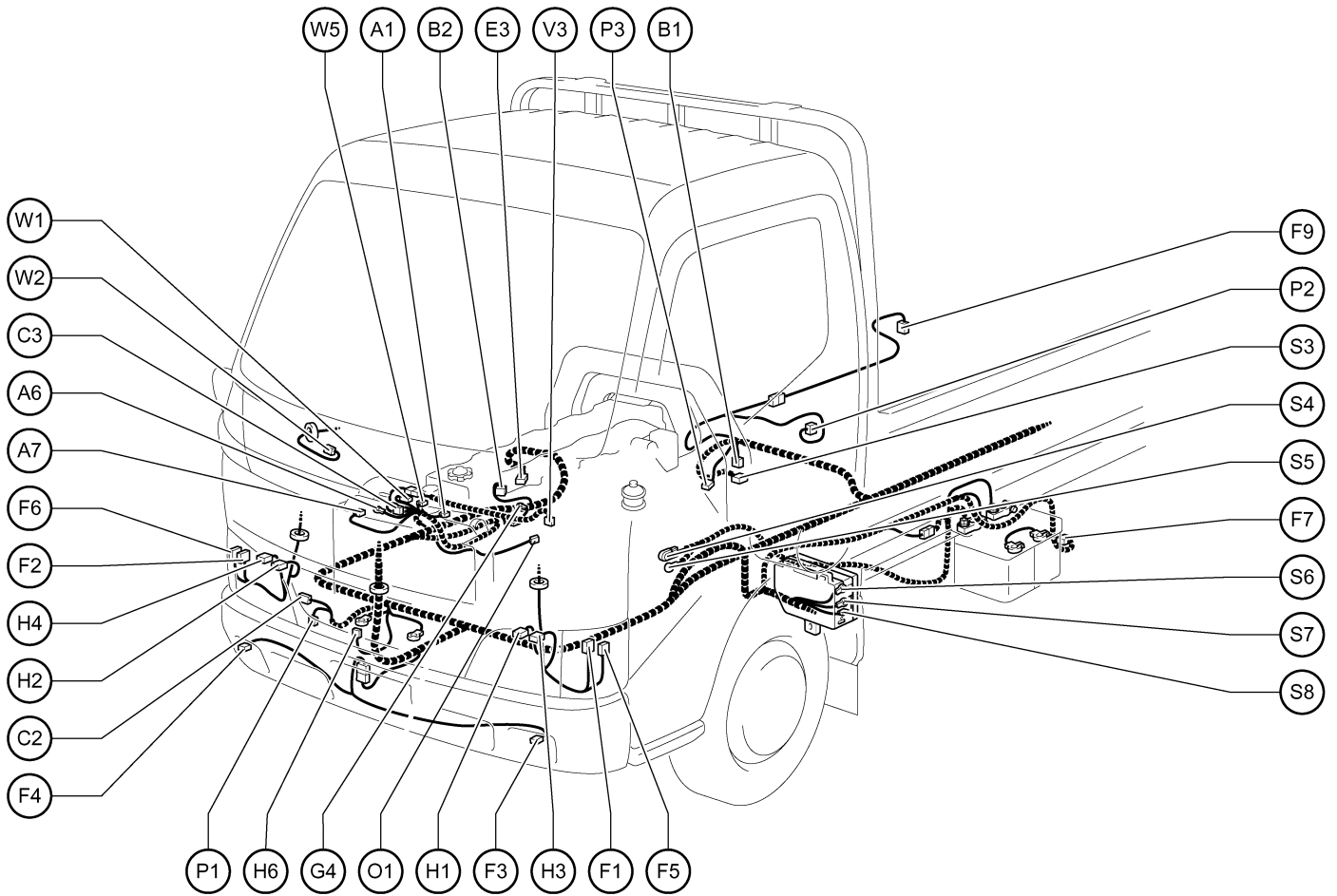
S 3 Speed Sensor (Combination Meter)
S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

V 3 VSV (Intake Shutter)

W 1 Water Temp. SW
W 2 Wiper Motor
W 5 Water Temp. Sender

Position of Parts in Engine Compartment

[LHD : W04D-J Wide Cab]



A 1 A/C Magnetic Clutch
A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 2 Condenser Fan Motor and Resistor
C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

G 4 Glow Plug

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

O 1 Oil Pressure SW

P 1 Pressure SW
P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

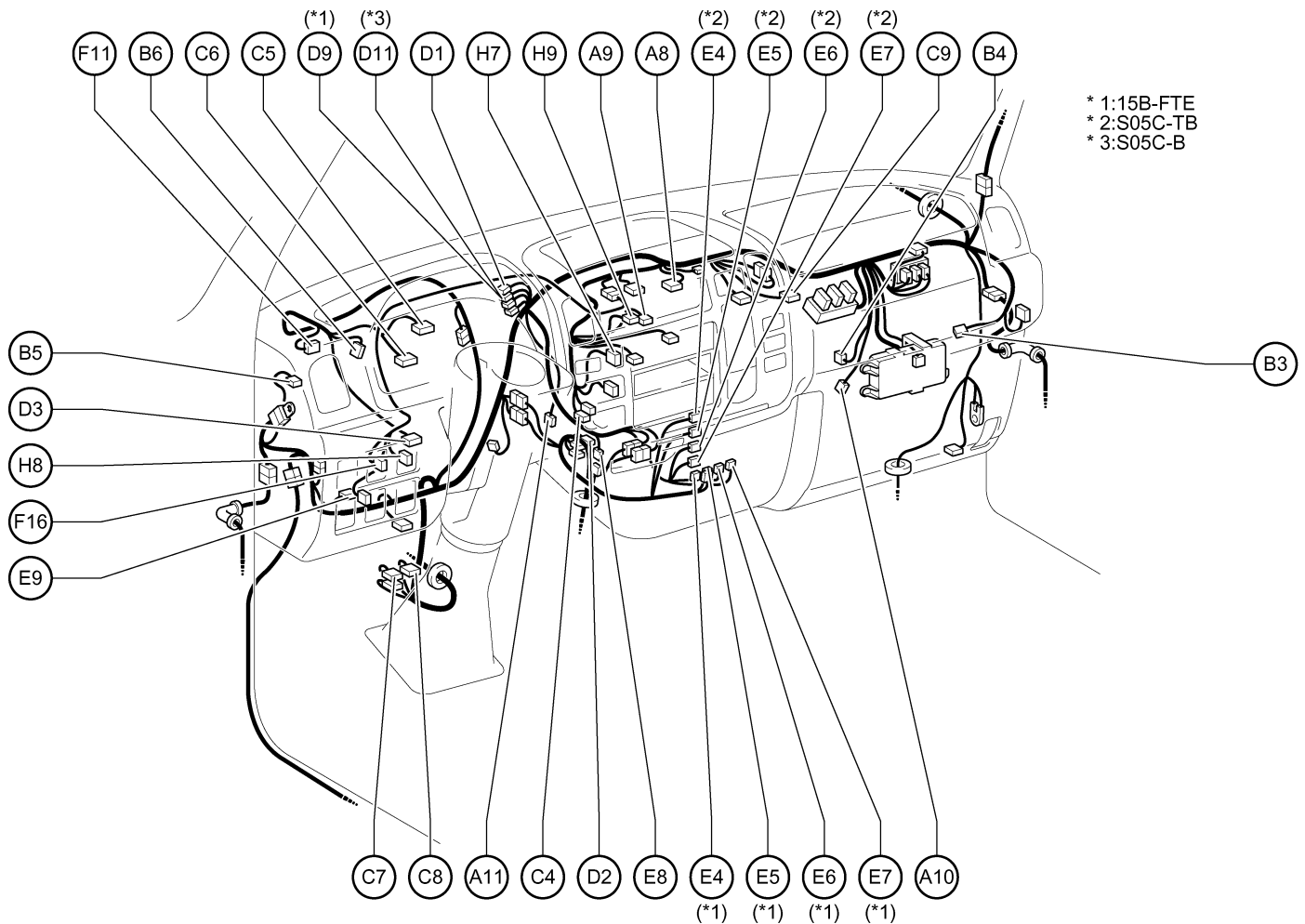
S 3 Speed Sensor (Combination Meter)
S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

V 3 VSV (Intake Shutter)

E ELECTRICAL WIRING ROUTING

Position of Parts in Instrument Panel

[LHD]



A 8 A/C Amplifier
 A 9 A/C SW
 A10 A/C Thermistor
 A11 Accelerator Pedal Position Sensor

B 3 Blower Motor
 B 4 Blower Resistor
 B 5 Brake Fluid Level Warning SW
 B 6 Brake Vacuum Warning Buzzer

C 4 Cigarette Lighter
 C 5 Combination Meter
 C 6 Combination Meter
 C 7 Combination SW
 C 8 Combination SW
 C 9 Condenser Fan Fuse

D 1 Diode (A/C No.1)
 D 2 Diode (Pressure Charge Valve)
 D 3 DLC3
 D 9 Diode (A/C No.2)
 D11 Diode (Parking Brake)

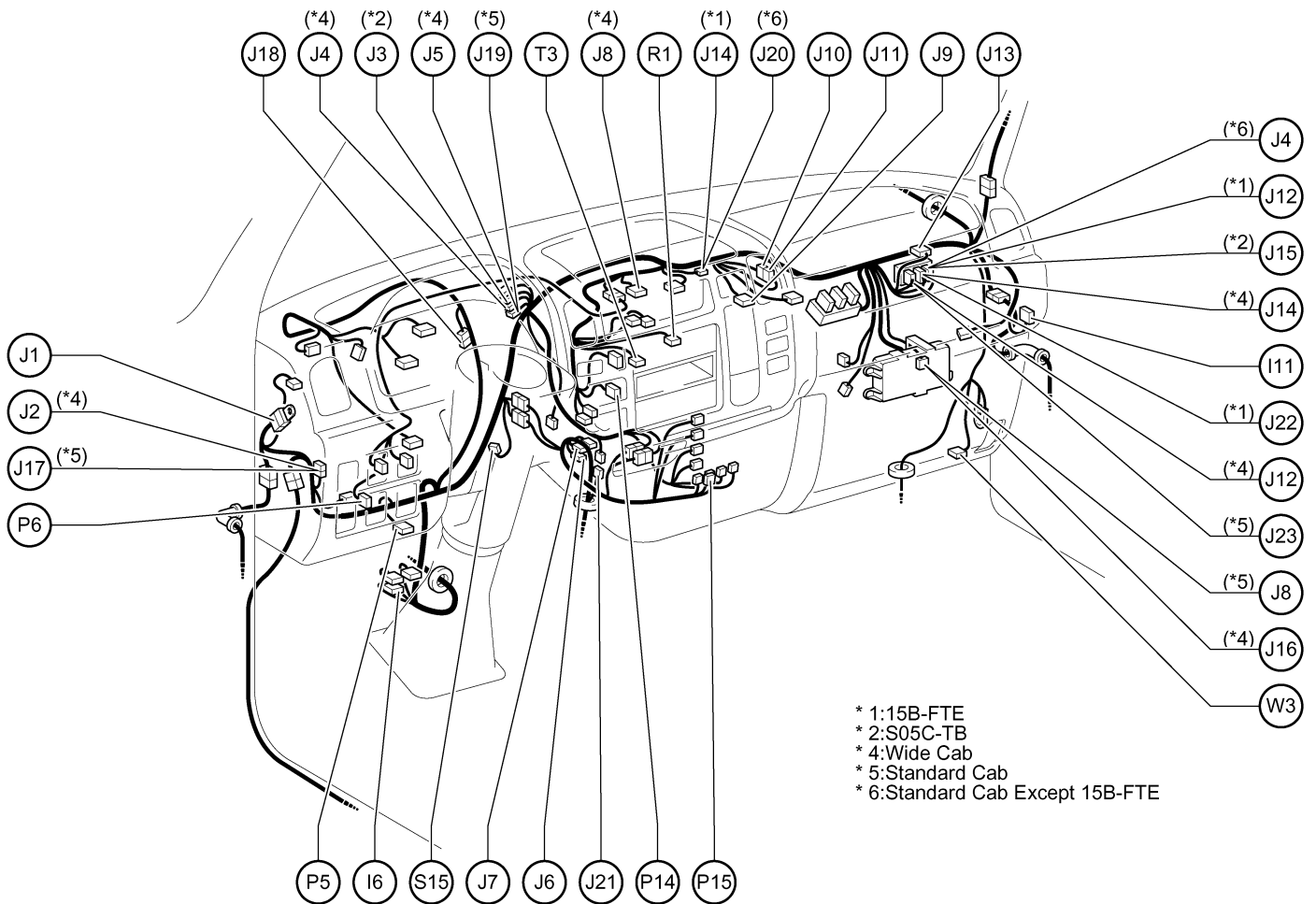
E 4 Engine ECU
 E 5 Engine ECU
 E 6 Engine ECU
 E 7 Engine ECU
 E 8 Exhaust Brake Accelerator Pedal SW
 E 9 Exhaust Brake Clutch SW

F 11 Flasher Relay
 F16 Front Fog Light SW

H 7 Hazard SW
 H 8 Headlight Beam Level Control SW
 H 9 Heater Control SW

Position of Parts in Instrument Panel

[LHD]



I 6 Ignition SW
I 11 Integration Relay

J 1 Junction Connector
J 2 Junction Connector
J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 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

P 5 PTO Clutch SW
P 6 PTO SW or Short Pin
P 14 Parking Light SW or Short Pin
P 15 Pre-Heating Timer

R 1 Radio and Player

S 15 Stop Light SW

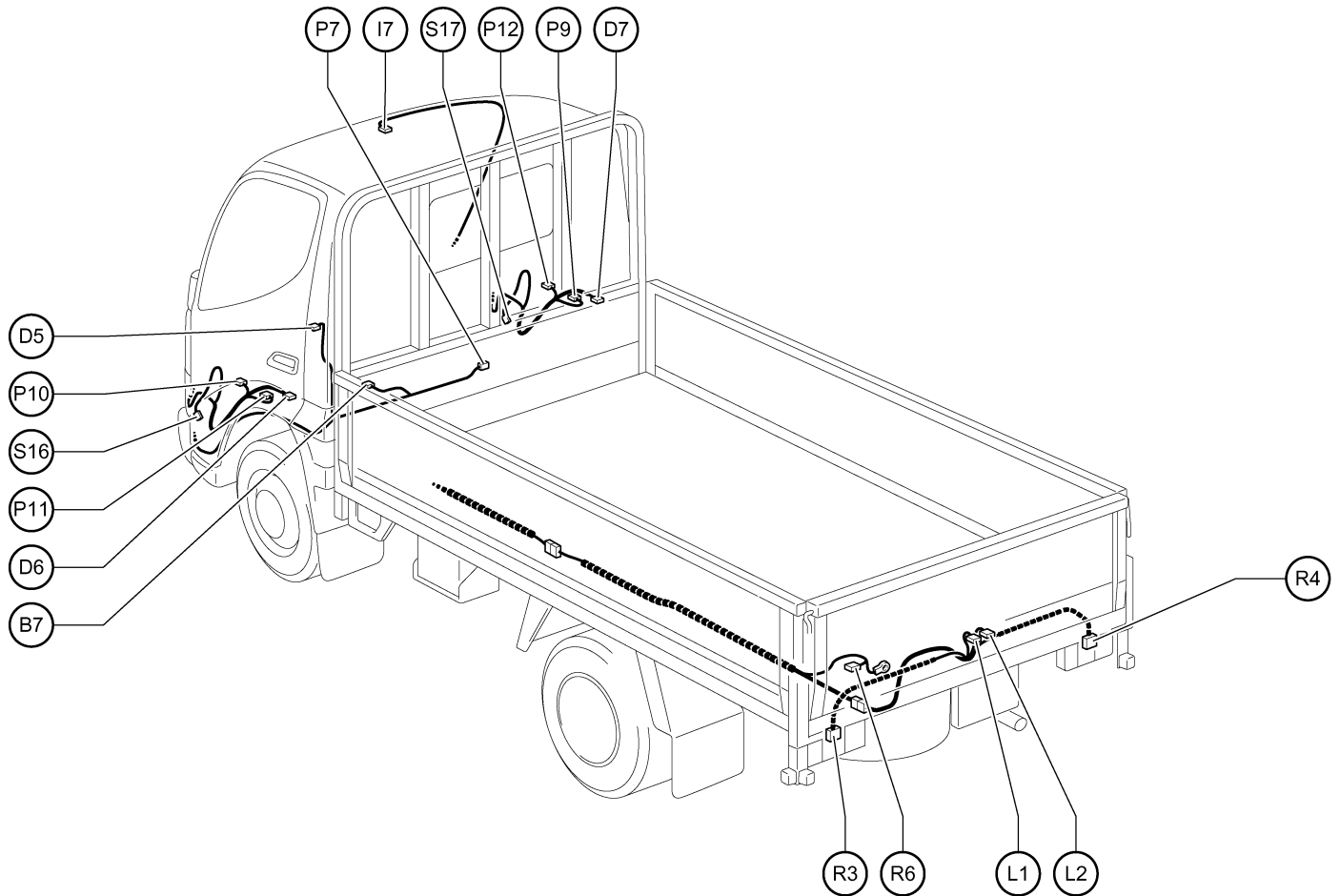
T 3 Tachograph

W 3 Washer Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[LHD : Except Standard Roof]



B 7 Buckle SW (Driver's Side)

D 5 Door Courtesy SW (Driver's Side)

D 6 Door Lock Control SW

D 7 Door Lock Motor (Passenger's Side)

I 7 Interior Light

L 1 License Plate Light LH

L 2 License Plate Light RH

P 7 Parking Brake SW

P 9 Power Window Control SW (Passenger's Side)

P10 Power Window Master SW

P11 Power Window Motor (Driver's Side)

P12 Power Window Motor (Passenger's Side)

R 3 Rear Combination Light LH

R 4 Rear Combination Light RH

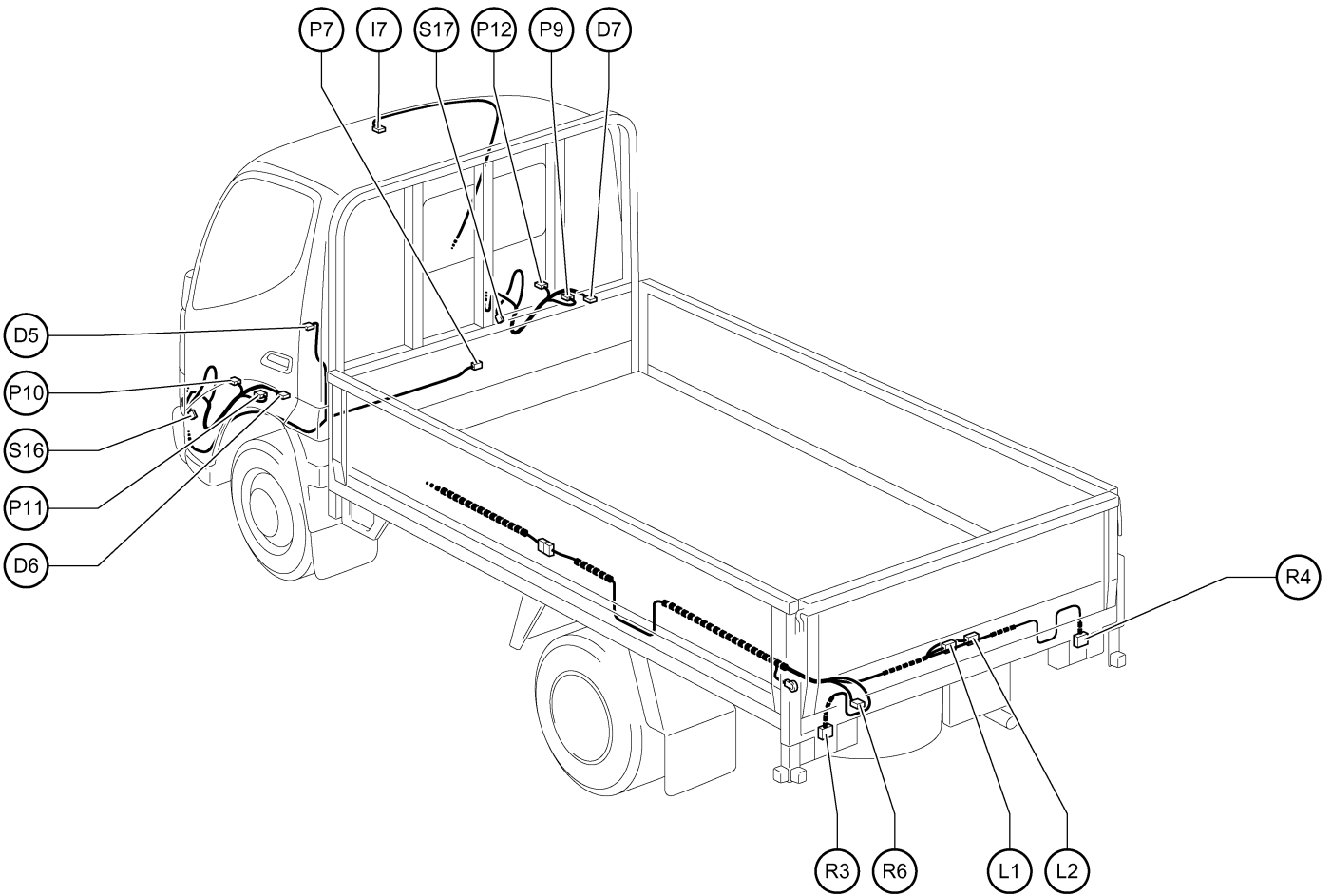
R 6 Reverse Warning Buzzer

S16 Speaker LH

S17 Speaker RH

Position of Parts in Body

[LHD : Standard Roof]



D 5 Door Courtesy SW (Driver's Side)
 D 6 Door Lock Control SW
 D 7 Door Lock Motor (Passenger's Side)

I 7 Interior Light

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

P 7 Parking Brake SW
 P 9 Power Window Control SW (Passenger's Side)
 P10 Power Window Master SW
 P11 Power Window Motor (Driver's Side)
 P12 Power Window Motor (Passenger's Side)

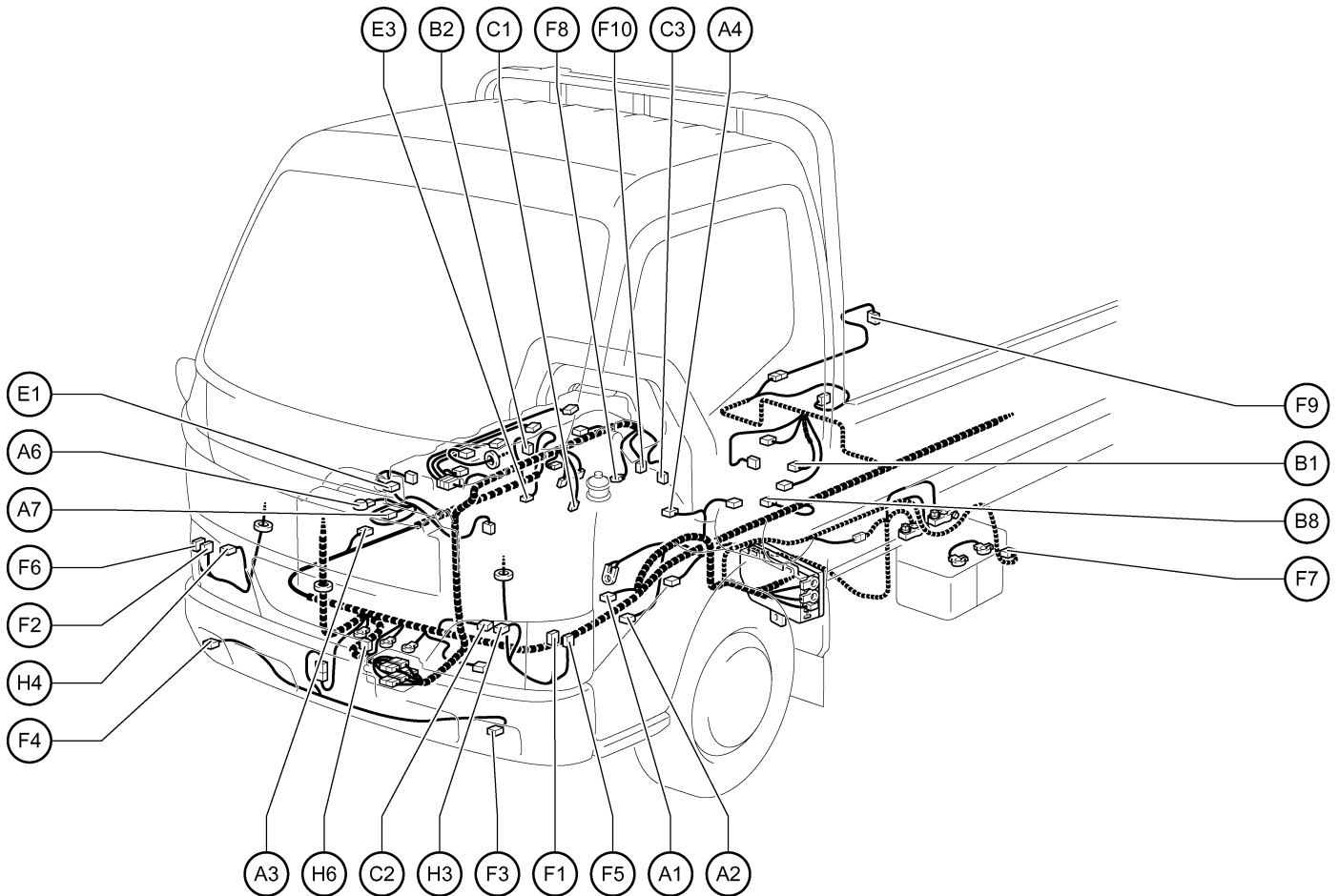
R 3 Rear Combination Light LH
 R 4 Rear Combination Light RH
 R 6 Reverse Warning Buzzer

S16 Speaker LH
 S17 Speaker RH

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : S05C-TB]



- A 1 A/C Magnetic Clutch
- A 2 ABS Speed Sensor Front LH
- A 3 ABS Speed Sensor Front RH
- A 4 Accel Position Sensor
- A 6 Alternator
- A 7 Alternator

- B 1 Back-Up Light SW
- B 2 Brake Vacuum Warning SW
- B 8 Hill Holder Brake Lock Valve

- C 1 Camshaft Position Sensor
- C 2 Condenser Fan Motor and Resistor
- C 3 Crankshaft Position Sensor

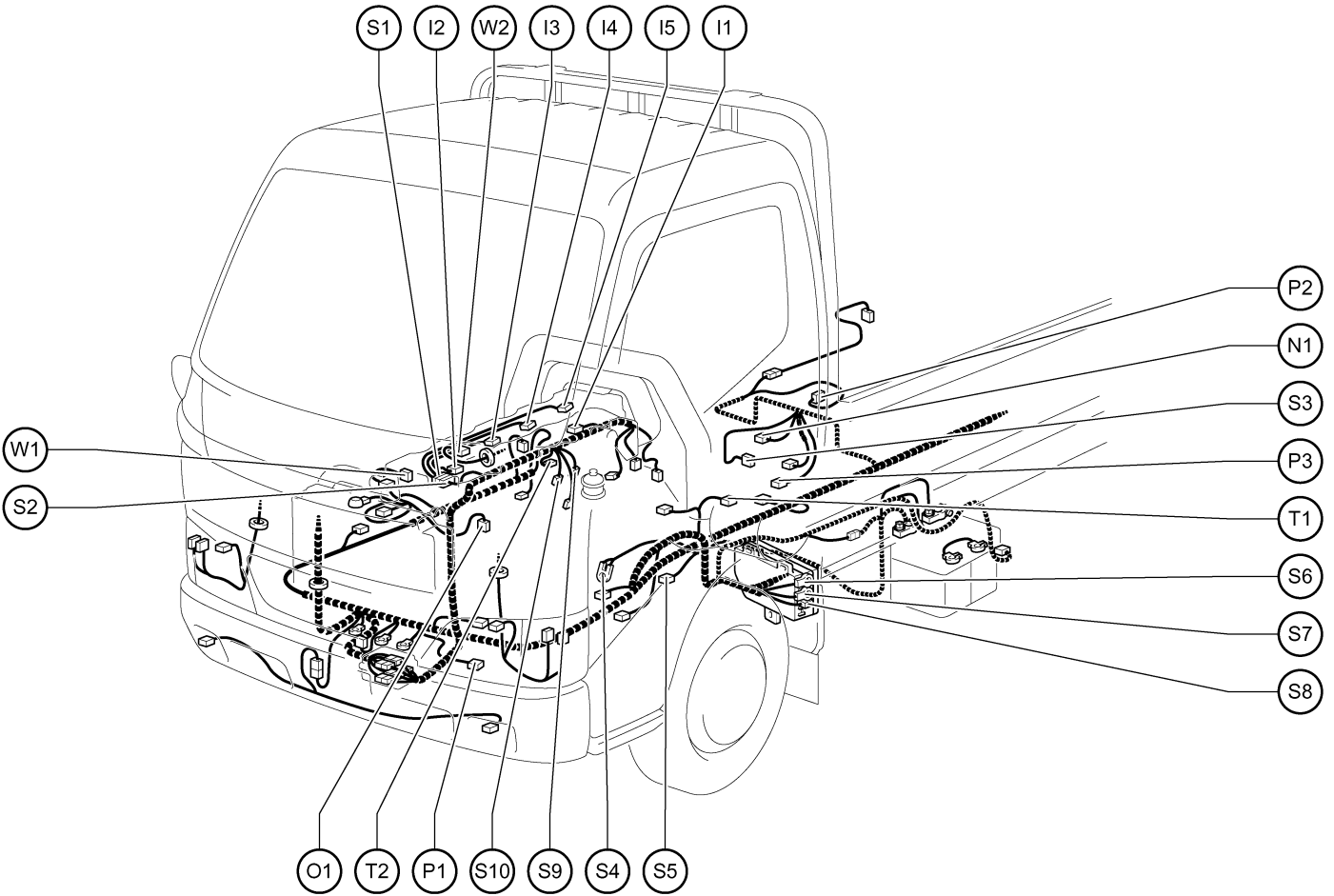
- E 1 EFI Water Temp. Sensor
Water Temp. Sender
- E 3 Exhaust Brake Solenoid

- F 1 Front Clearance Light LH
- F 2 Front Clearance Light RH
- F 3 Front Fog Light LH
- F 4 Front Fog Light RH
- F 5 Front Turn Signal Light LH
- F 6 Front Turn Signal Light RH
- F 7 Fuel Filter Warning SW
- F 8 Fuel Pressure Sensor
- F 9 Fuel Sender
- F 10 Fuel Temp. Sensor

- H 3 Headlight LH
- H 4 Headlight RH
- H 6 Horn (Low)

Position of Parts in Engine Compartment

[RHD : S05C-TB]



I 1 Injection Pump Correction Resistor
 I 2 Injector No.1
 I 3 Injector No.2
 I 4 Injector No.3
 I 5 Injector No.4

N 1 Neutral Position SW

O 1 Oil Pressure SW

P 1 Pressure SW

P 2 PTO Solenoid Valve

P 3 PTO Transmission Neutral Position SW

S 1 Short Connector

S 2 Short Connector

S 3 Speed Sensor (Combination Meter)

S 4 Starter

S 5 Starter

S 6 STARTER Relay

S 7 STARTER Relay

S 8 STARTER Relay

S 9 Suction Control Valve No.1

S10 Suction Control Valve No.2

T 1 Tilt Cab Control SW

T 2 Turbo Pressure Sensor

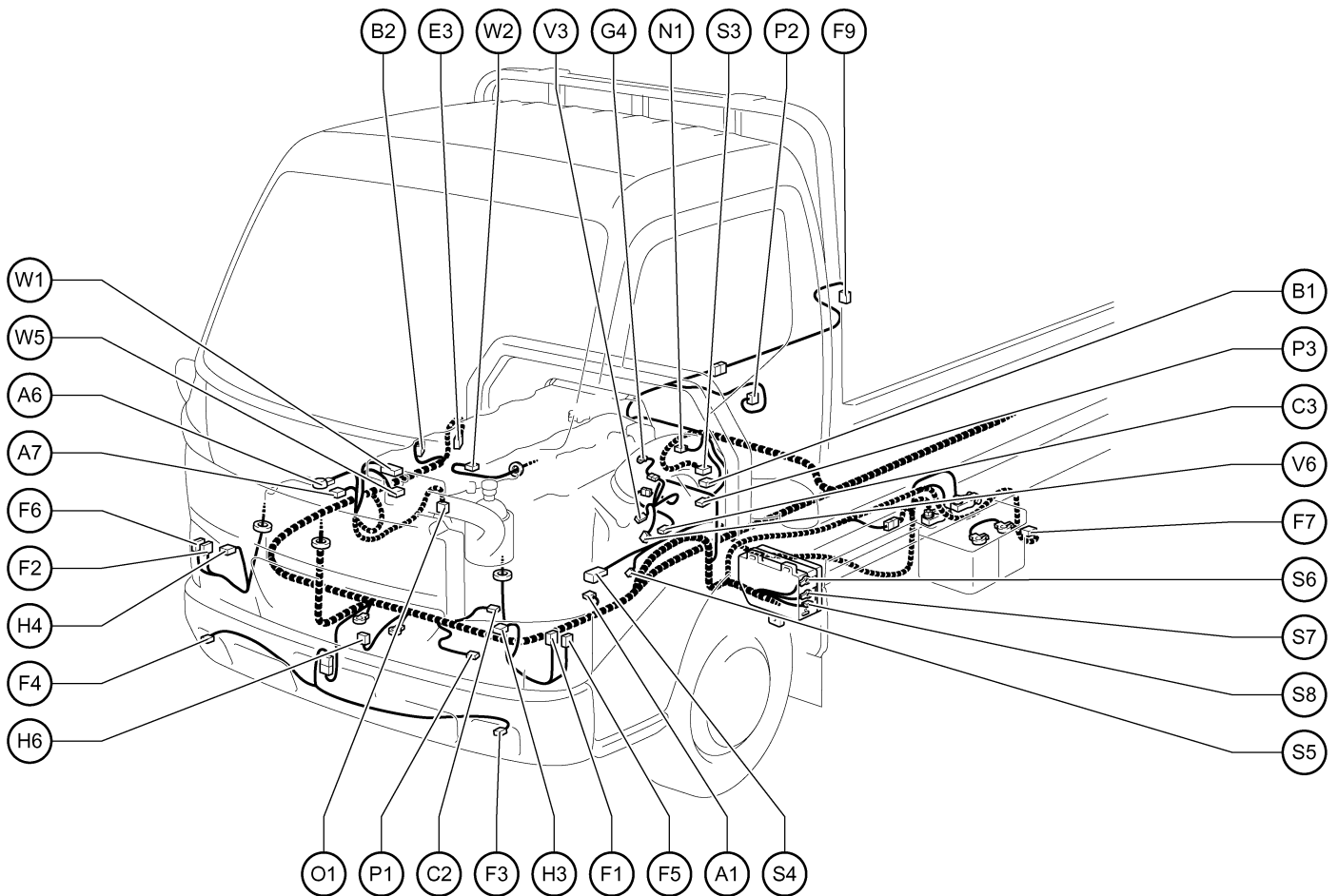
W 1 Water Temp. SW

W 2 Wiper Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : S05C-B]



A 1 A/C Magnetic Clutch
A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 2 Condenser Fan Motor and Resistor
C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

G 4 Glow Plug

H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

N 1 Neutral Position SW

O 1 Oil Pressure SW

P 1 Pressure SW
P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

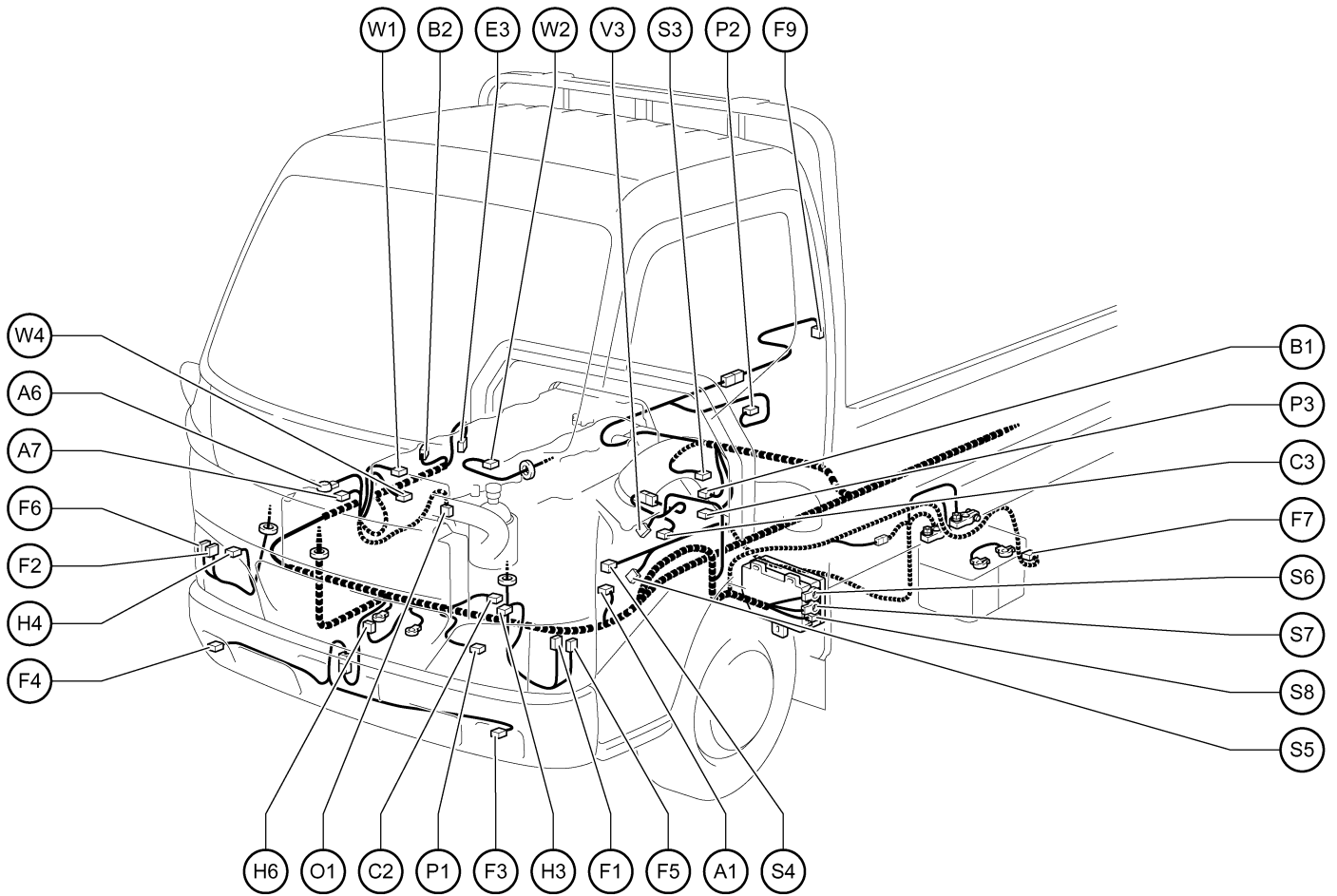
S 3 Speed Sensor (Combination Meter)
S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

V 3 VSV (Intake Shutter)
V 6 VSV (Exhaust Brake)

W 1 Water Temp. SW
W 2 Wiper Motor
W 5 Water Temp. Sender
Water Temp. Sensor

Position of Parts in Engine Compartment

[RHD : S05C-TA]



A 1 A/C Magnetic Clutch
A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 2 Condenser Fan Motor and Resistor
C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

O 1 Oil Pressure SW

P 1 Pressure SW
P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

S 3 Speed Sensor (Combination Meter)

S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

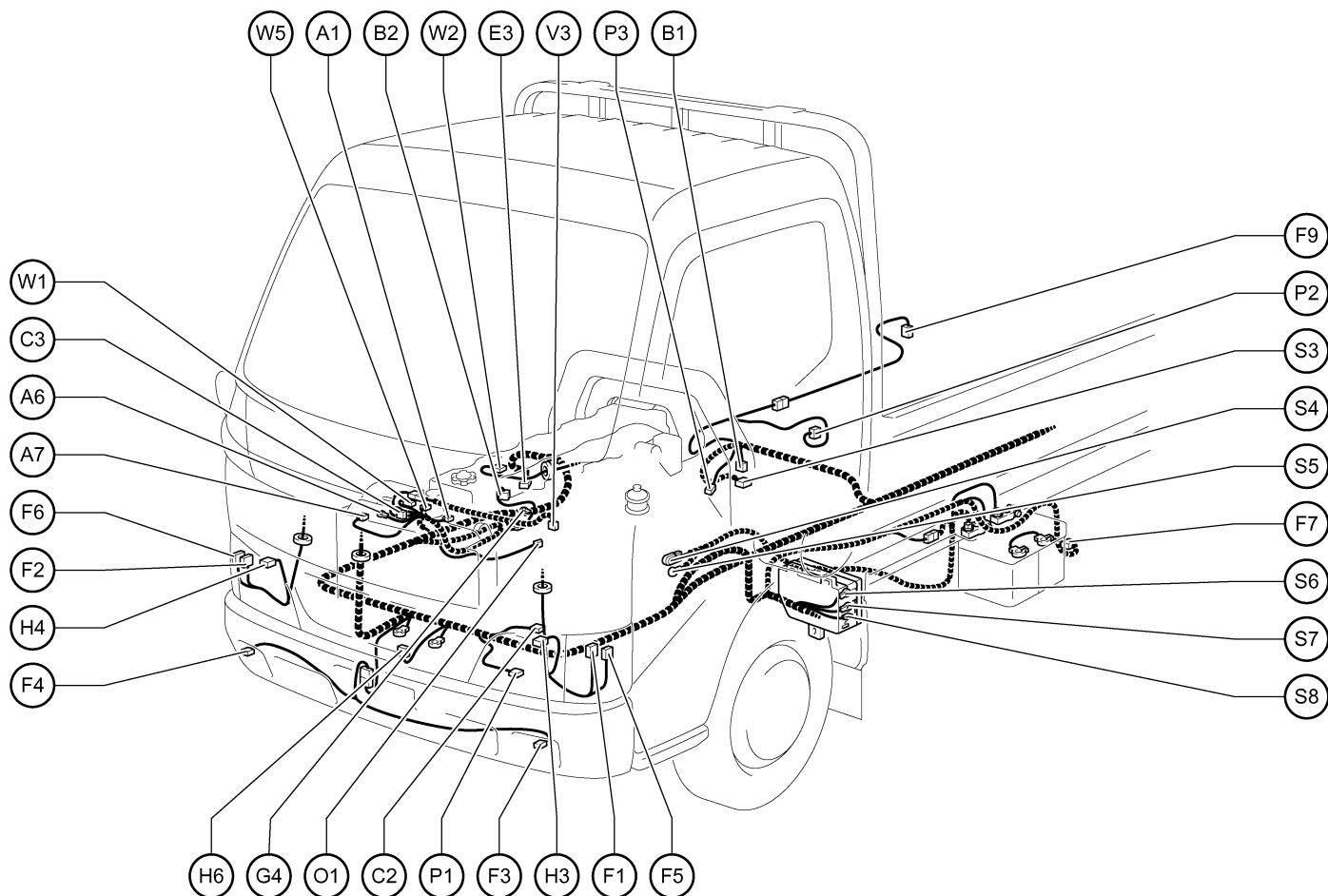
V 3 VSV (Intake Shutter)

W 1 Water Temp. SW
W 2 Wiper Motor
W 4 Water Temp. Sender

E ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[RHD : W04D-J]



A 1 A/C Magnetic Clutch
A 6 Alternator
A 7 Alternator

B 1 Back-Up Light SW
B 2 Brake Vacuum Warning SW

C 2 Condenser Fan Motor and Resistor
C 3 Crankshaft Position Sensor

E 3 Exhaust Brake Solenoid

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Turn Signal Light LH
F 6 Front Turn Signal Light RH
F 7 Fuel Filter Warning SW
F 9 Fuel Sender

G 4 Glow Plug

H 3 Headlight LH
H 4 Headlight RH
H 6 Horn (Low)

O 1 Oil Pressure SW

P 1 Pressure SW
P 2 PTO Solenoid Valve
P 3 PTO Transmission Neutral Position SW

S 3 Speed Sensor (Combination Meter)
S 4 Starter
S 5 Starter
S 6 STARTER Relay
S 7 STARTER Relay
S 8 STARTER Relay

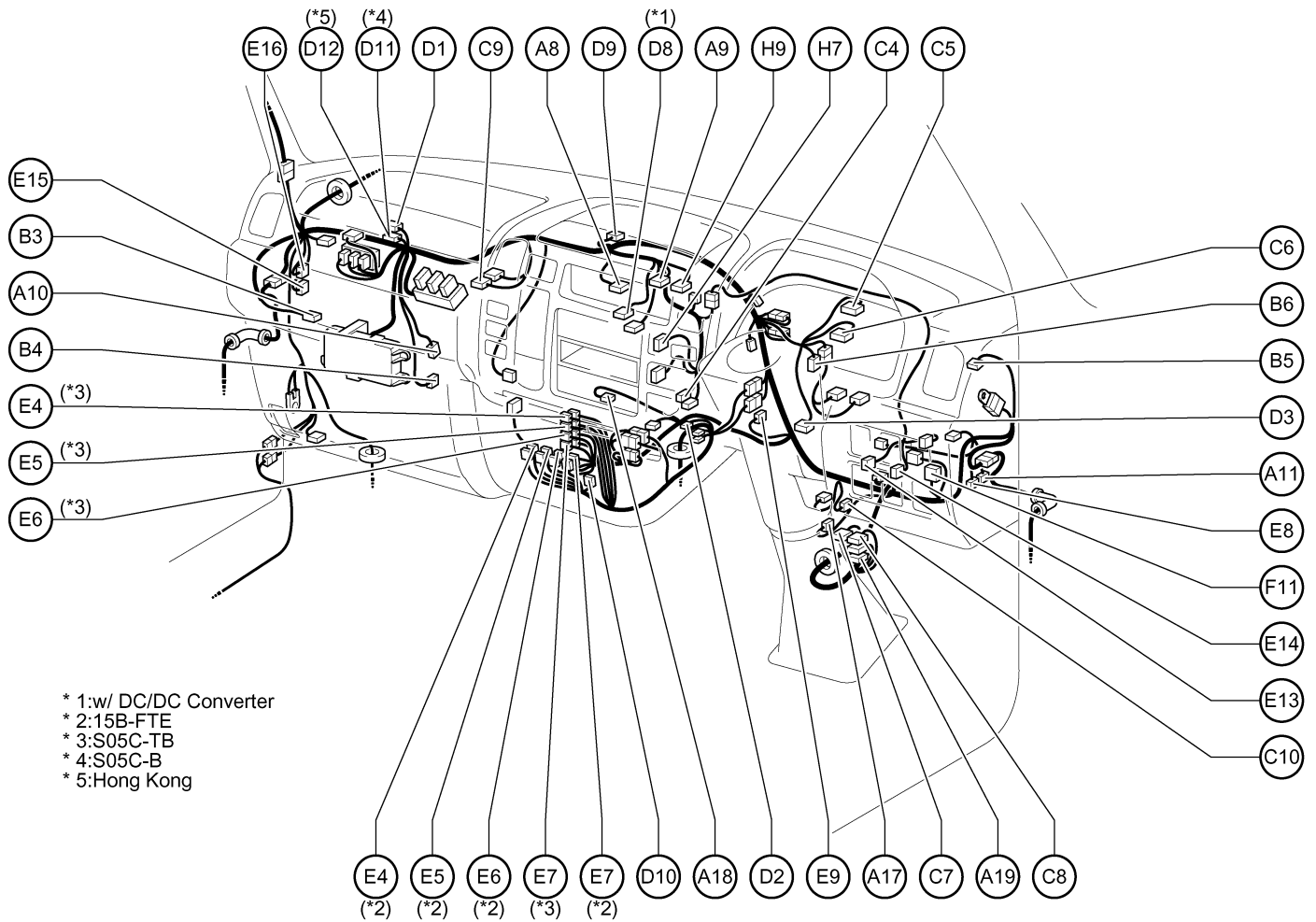
V 3 VSV (Intake Shutter)

W 1 Water Temp. SW
W 2 Wiper Motor
W 5 Water Temp. Sender

E ELECTRICAL WIRING ROUTING

Position of Parts in Instrument Panel

[RHD]



- A 8 A/C Amplifier
- A 9 A/C SW
- A 10 A/C Thermistor
- A 11 Accelerator Pedal Position Sensor
- A 17 Airbag Sensor Assembly
- A 18 Airbag Sensor Front
- A 19 Airbag Squib (Steering Wheel Pad)

- B 3 Blower Motor
- B 4 Blower Resistor
- B 5 Brake Fluid Level Warning SW
- B 6 Brake Vacuum Warning Buzzer

- C 4 Cigarette Lighter
- C 5 Combination Meter
- C 6 Combination Meter
- C 7 Combination SW
- C 8 Combination SW
- C 9 Condenser Fan Fuse
- C 10 Clutch Pedal Stroke Sensor

- D 1 Diode (A/C No.1)
- D 2 Diode (Pressure Charge Valve)
- D 3 DLC3
- D 8 DC/DC Converter
- D 9 Diode (A/C No.2)
- D 10 Diode (ES Start)
- D 11 Diode (Parking Brake)
- D 12 Diode (Stop)

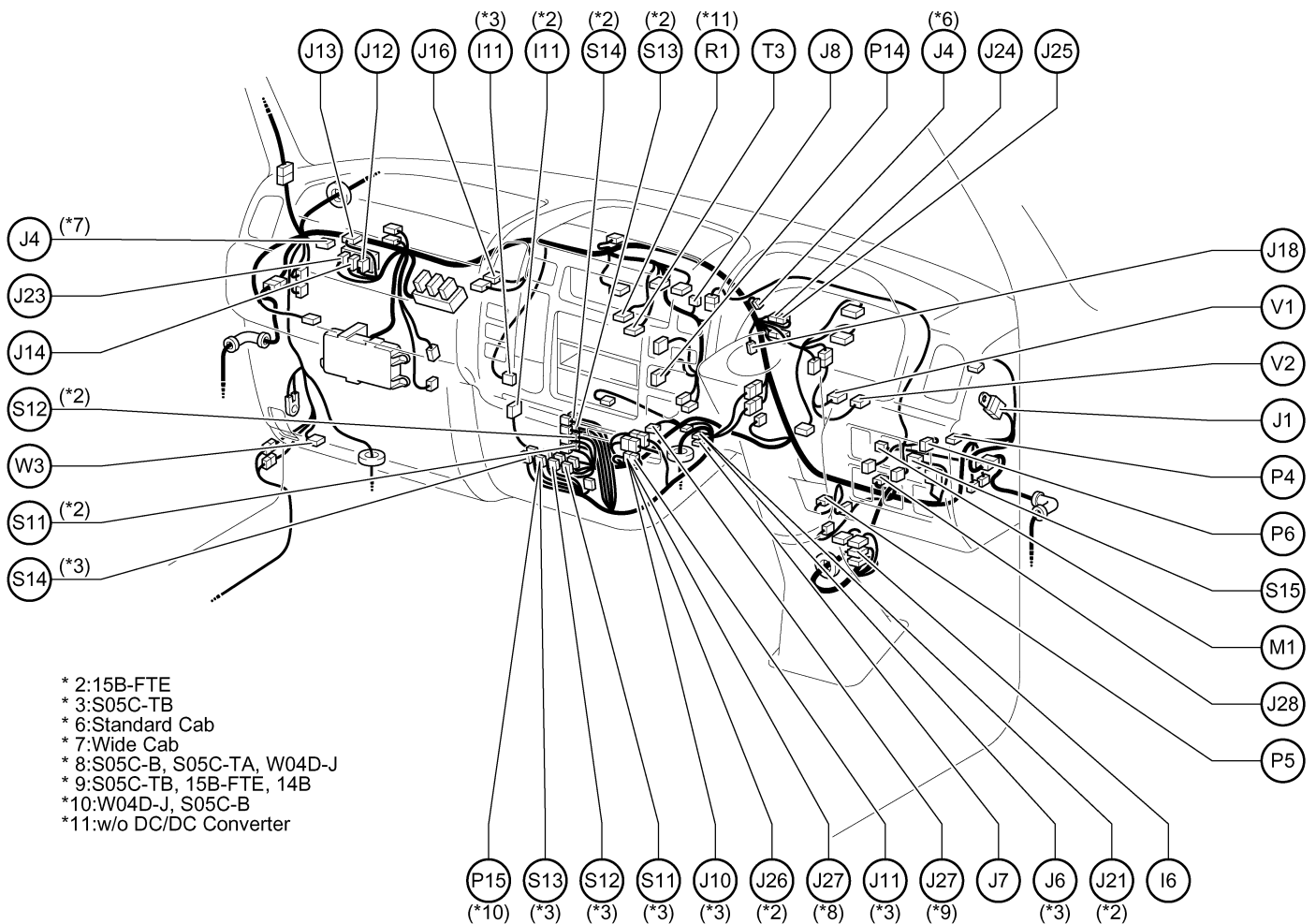
- E 4 Engine ECU
- E 5 Engine ECU
- E 6 Engine ECU
- E 7 Engine ECU
- E 8 Exhaust Brake Accelerator Pedal SW
- E 9 Exhaust Brake Clutch SW
- E 13 ES Start Main SW
- E 14 ES Start Timing SW
- E 15 ES Start ECU
- E 16 ES Start ECU

- F 11 Flasher Relay

- H 7 Hazard SW
- H 9 Heater Control SW

Position of Parts in Instrument Panel

[RHD]



I 6 Ignition SW
I 11 Integration Relay

J 1 Junction Connector
J 4 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 16 Junction Connector
J 18 Junction Connector
J 21 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector

M 1 Master Cylinder Pressure Sensor

P 4 Power Outlet (Room)
P 5 PTO Clutch SW
P 6 PTO SW or Short Pin
P 14 Parking Light SW or Short Pin
P 15 Pre-Heating Timer

R 1 Radio and Player

S 11 Skid Control ECU
S 12 Skid Control ECU
S 13 Skid Control ECU
S 14 Skid Control ECU
S 15 Stop Light SW

T 3 Tachograph

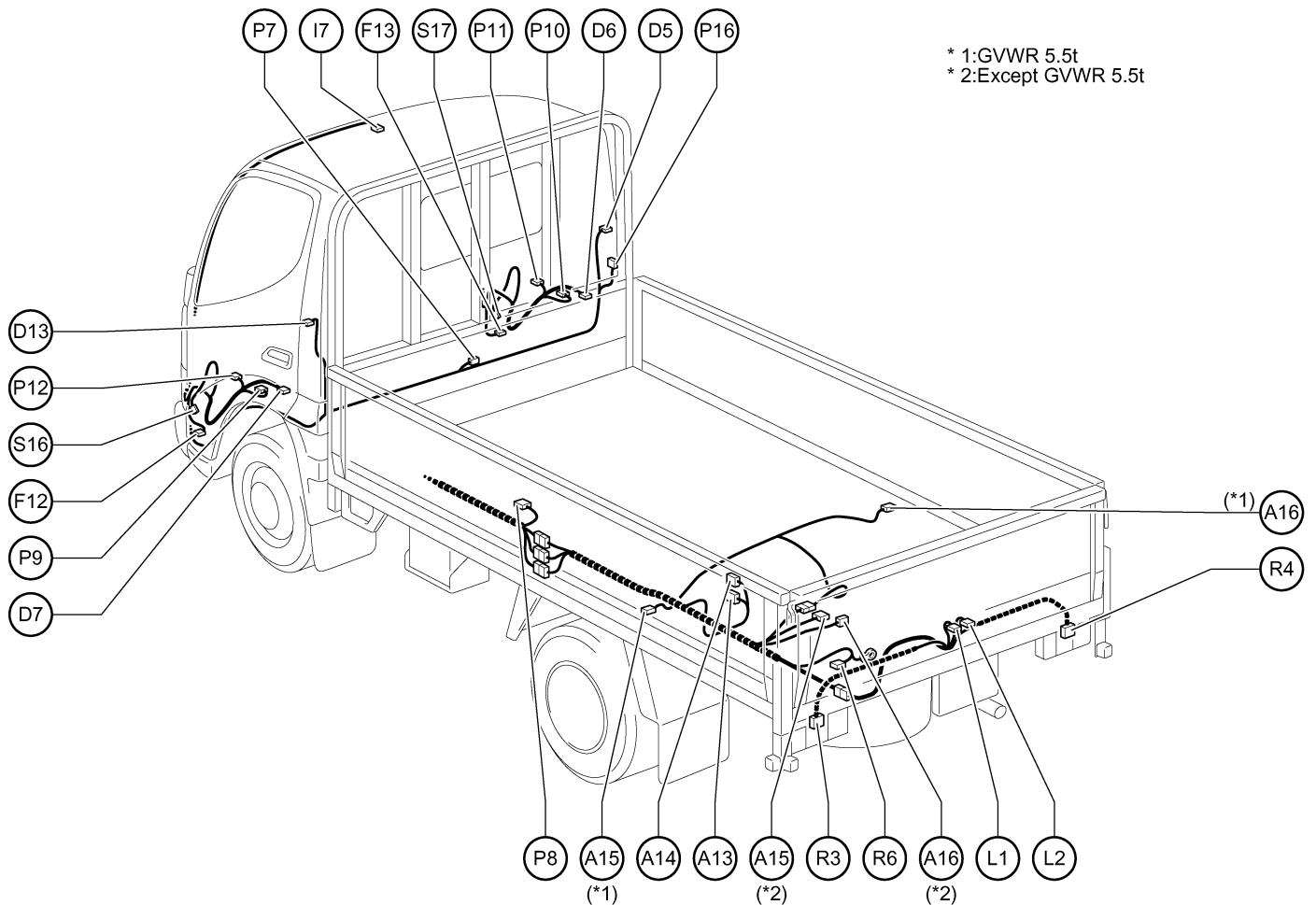
V 1 Vacuum Sensor No.1
V 2 Vacuum Sensor No.2

W 3 Washer Motor

E ELECTRICAL WIRING ROUTING

Position of Parts in Body

[RHD]



* 1:GVWR 5.5t
* 2:Except GVWR 5.5t

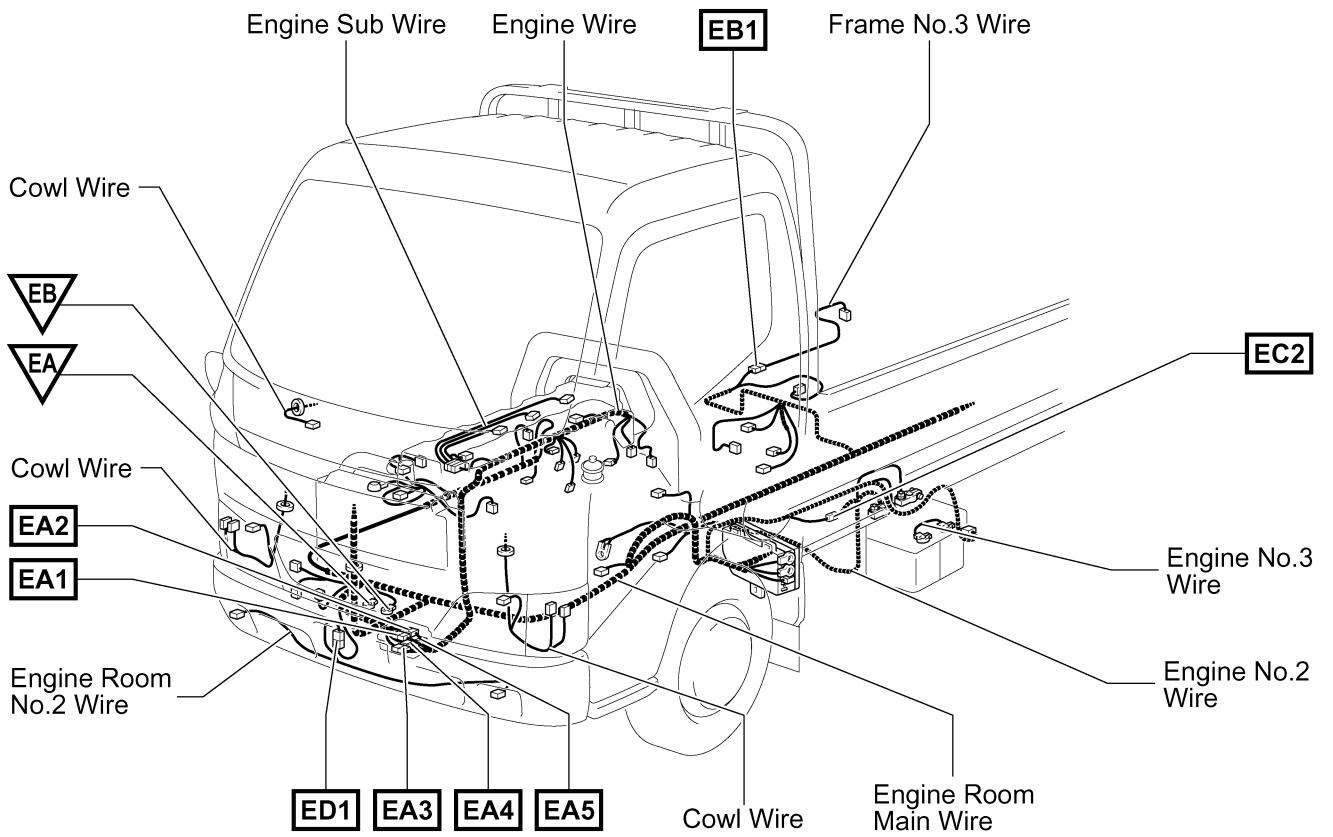
- | | |
|--|--|
| A 13 ABS Actuator | P 7 Parking Brake SW |
| A 14 ABS Actuator | P 8 Power Outlet |
| A 15 ABS Speed Sensor Rear LH | P 9 Power Window Control SW (Passenger's Side) |
| A 16 ABS Speed Sensor Rear RH | P 10 Power Window Master SW |
| D 5 Door Courtesy SW (Driver's Side) | P 11 Power Window Motor (Driver's Side) |
| D 6 Door Lock Control SW | P 12 Power Window Motor (Passenger's Side) |
| D 7 Door Lock Motor (Passenger's Side) | P 16 Pretensioner (Driver's Side) |
| D 13 Door Courtesy SW (Passenger's Side) | R 3 Rear Combination Light LH |
| F 12 Front Side Turn Signal Light LH | R 4 Rear Combination Light RH |
| F 13 Front Side Turn Signal Light RH | R 6 Reverse Warning Buzzer |
| I 7 Interior Light | S 16 Speaker LH |
| L 1 License Plate Light LH | S 17 Speaker RH |
| L 2 License Plate Light RH | |

E ELECTRICAL WIRING ROUTING

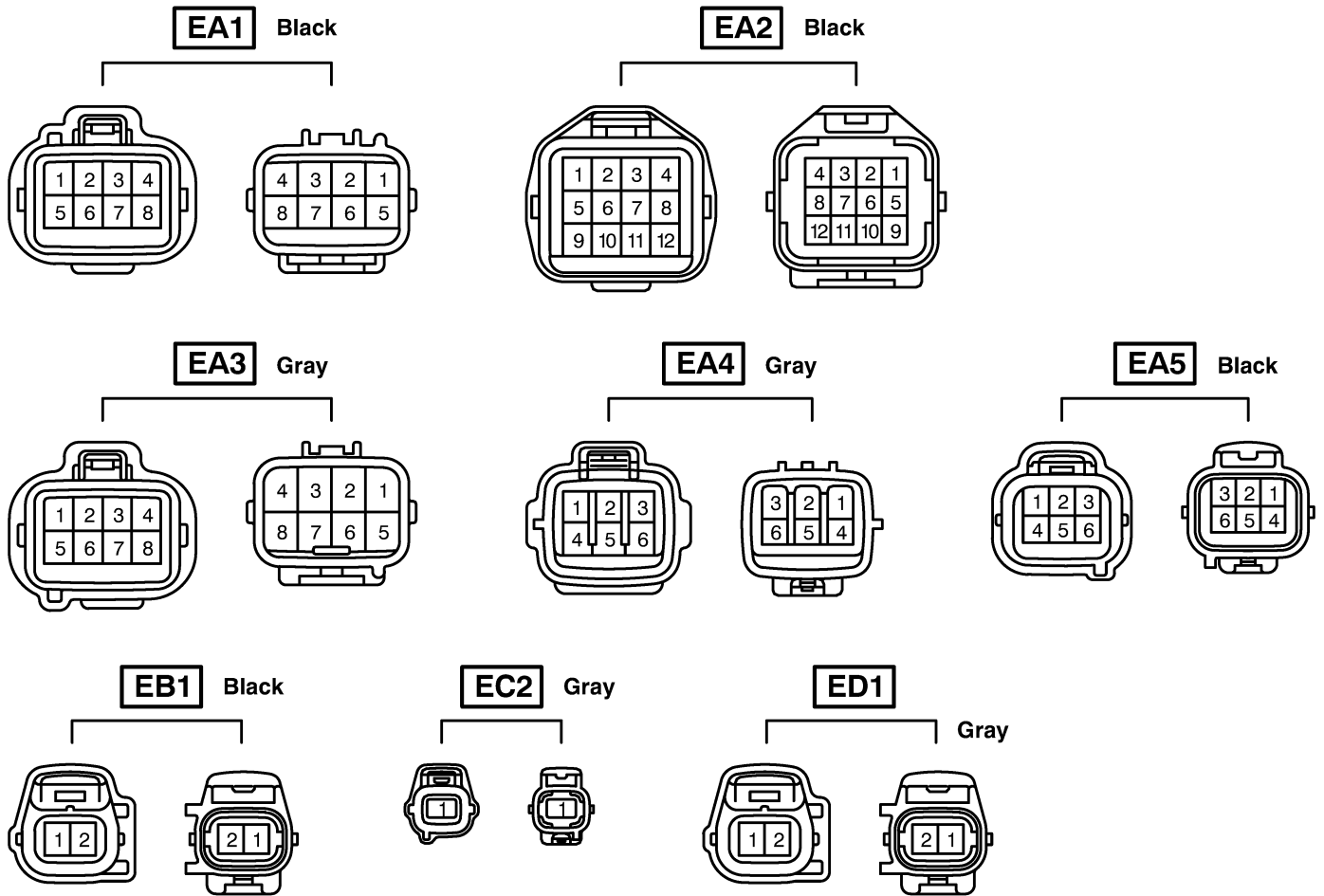
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : S05C-TB]



Connector Joining Wire Harness and Wire Harness



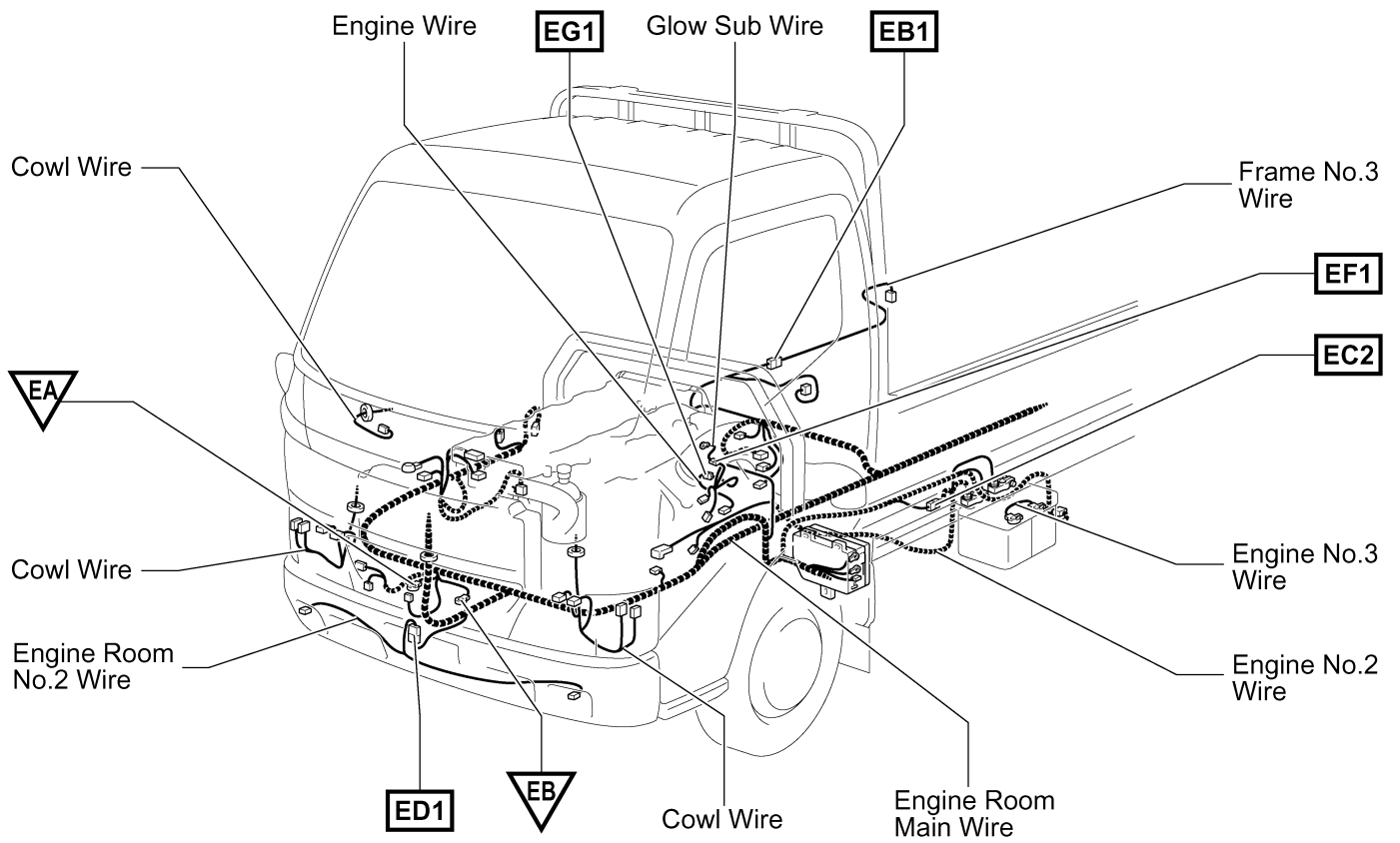
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	
EA2	
EA3	Engine Room Main Wire and Engine Wire (Front Side of the No.2 Crossmember)
EA4	
EA5	
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)

E ELECTRICAL WIRING ROUTING

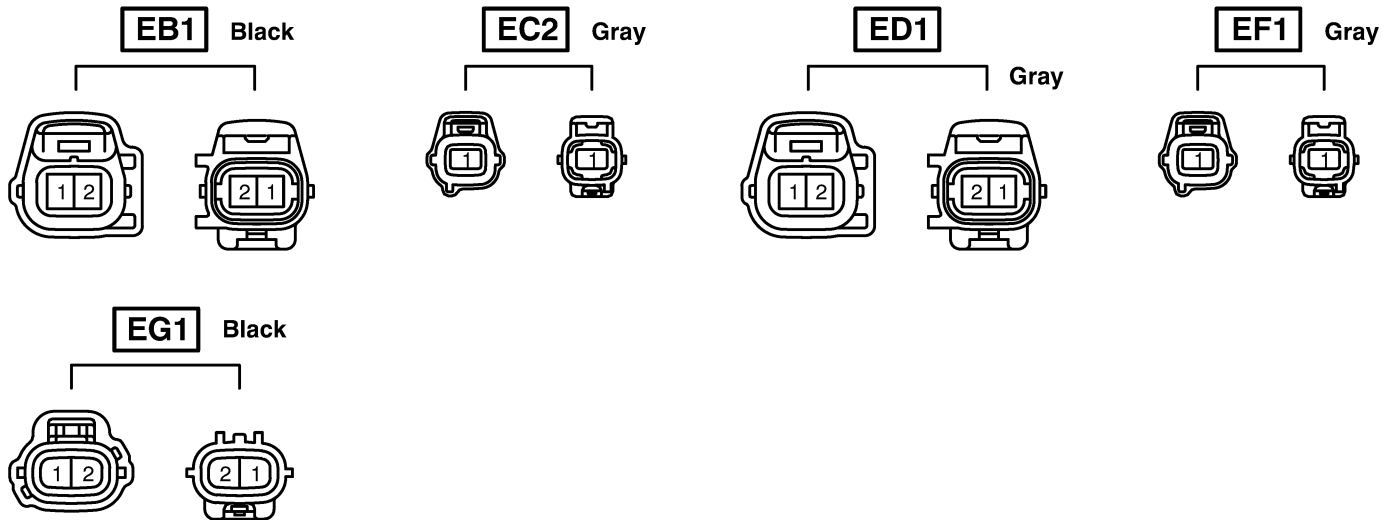
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : S05C-B]



Connector Joining Wire Harness and Wire Harness



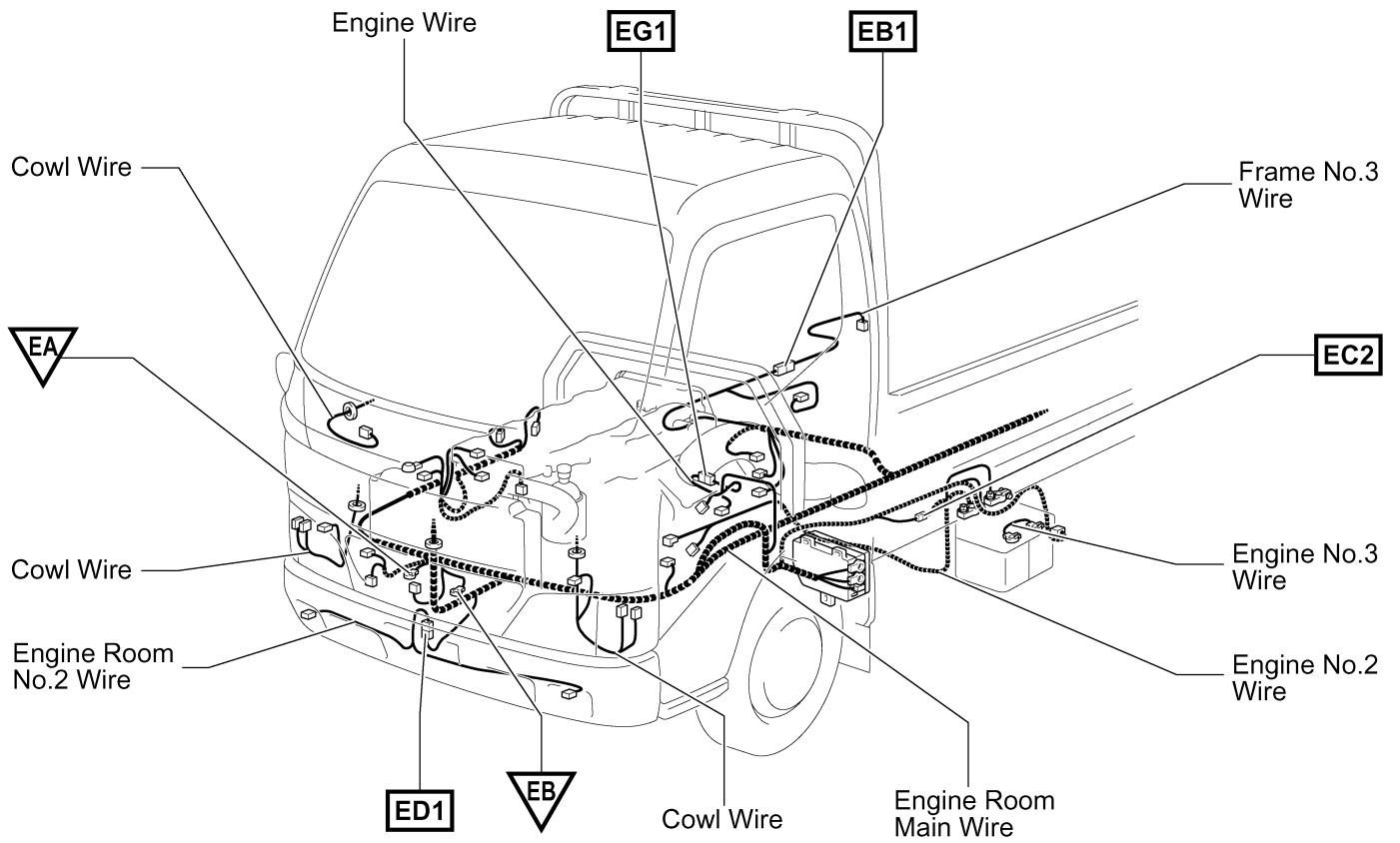
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EF1	Engine Room Main Wire and Glow Sub Wire (Rear Left Side of the Engine Block)
EG1	Engine Room Main Wire and Engine Wire (Rear Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

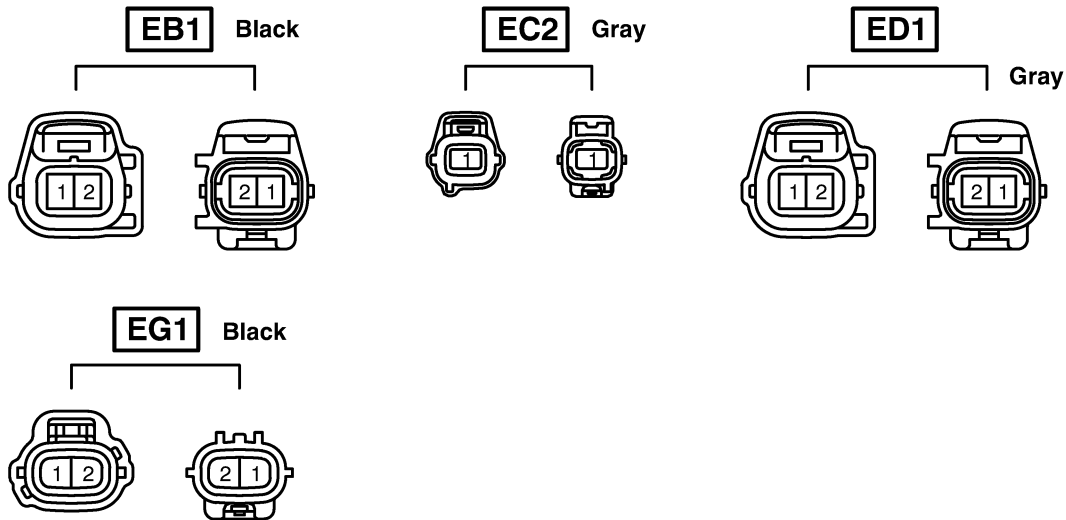
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : S05C-TA]



Connector Joining Wire Harness and Wire Harness



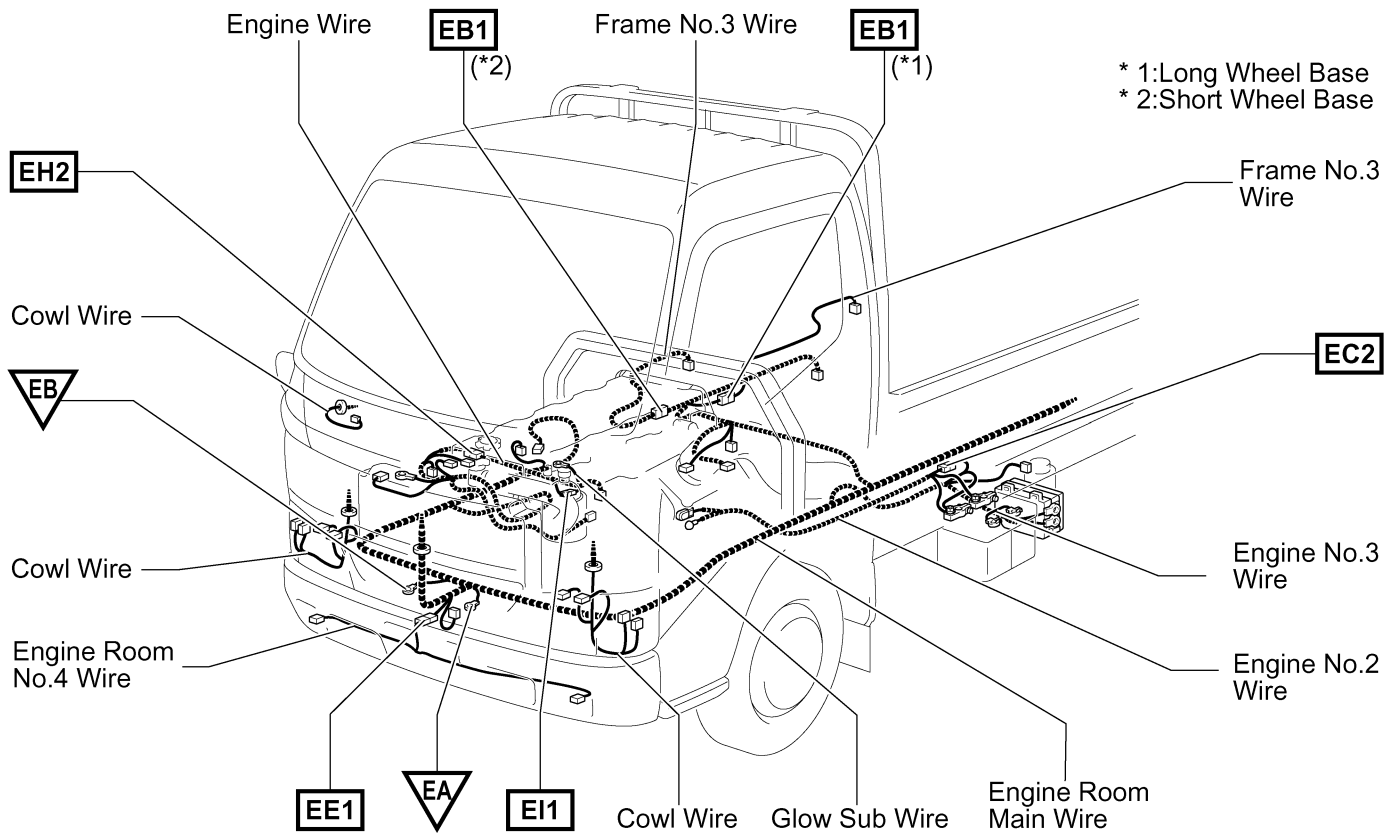
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EG1	Engine Room Main Wire and Engine Wire (Rear Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

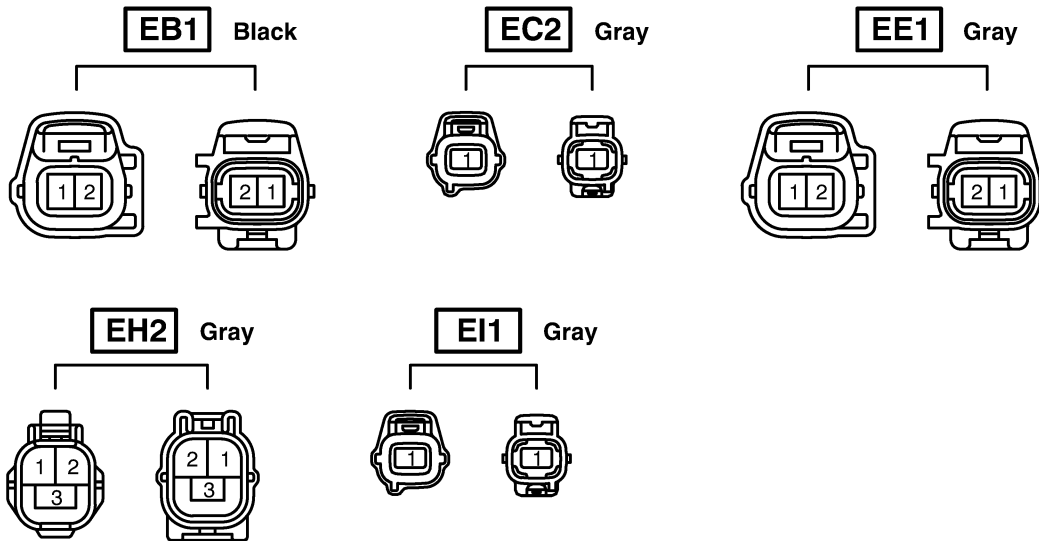
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : W04D-J Standard Cab]



Connector Joining Wire Harness and Wire Harness



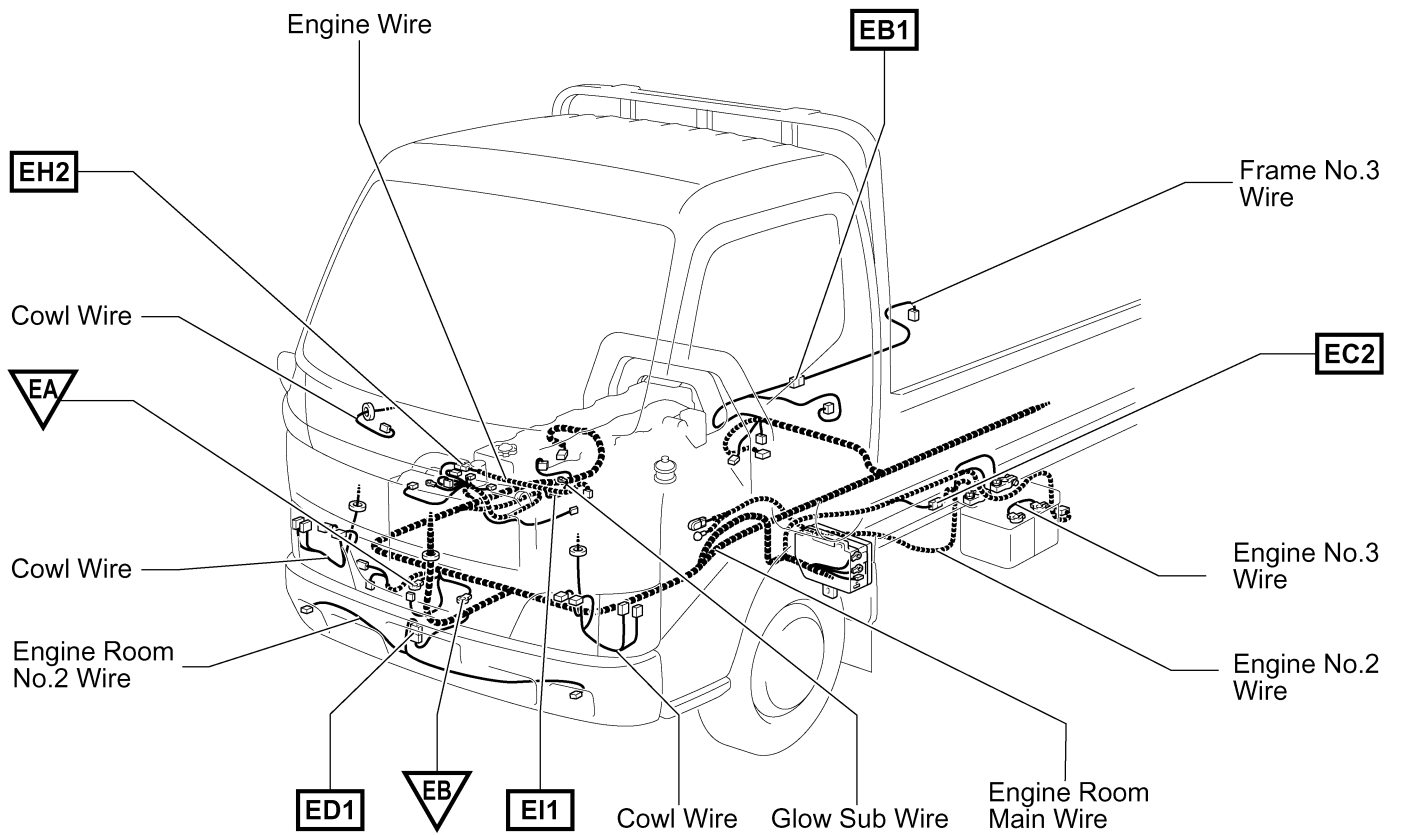
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
EE1	Engine Room No.4 Wire and Engine Room Main Wire (Front Crossmember)
EH2	Engine Room Main Wire and Engine Wire (Upper the Alternator)
EI1	Engine Wire and Glow Sub Wire (Front Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

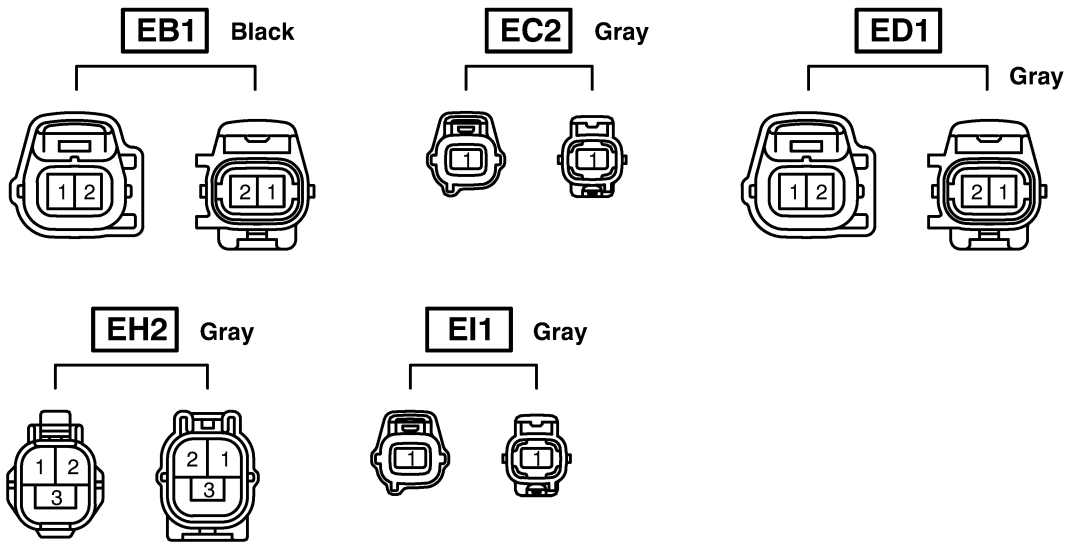
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : W04D-J Wide Cab]



Connector Joining Wire Harness and Wire Harness



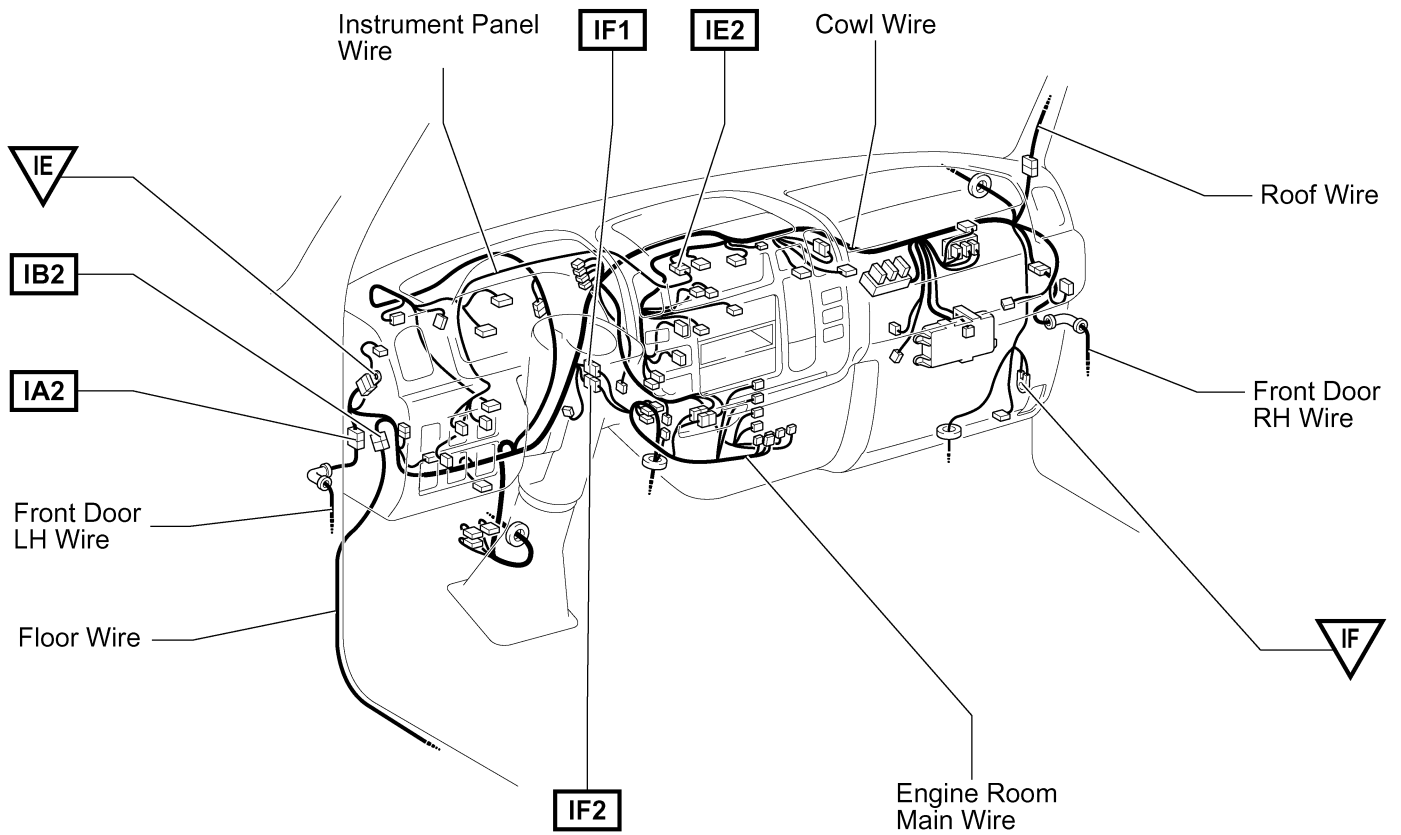
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EH2	Engine Room Main Wire and Engine Wire (Upper the Alternator)
E1	Engine Wire and Glow Sub Wire (Front Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

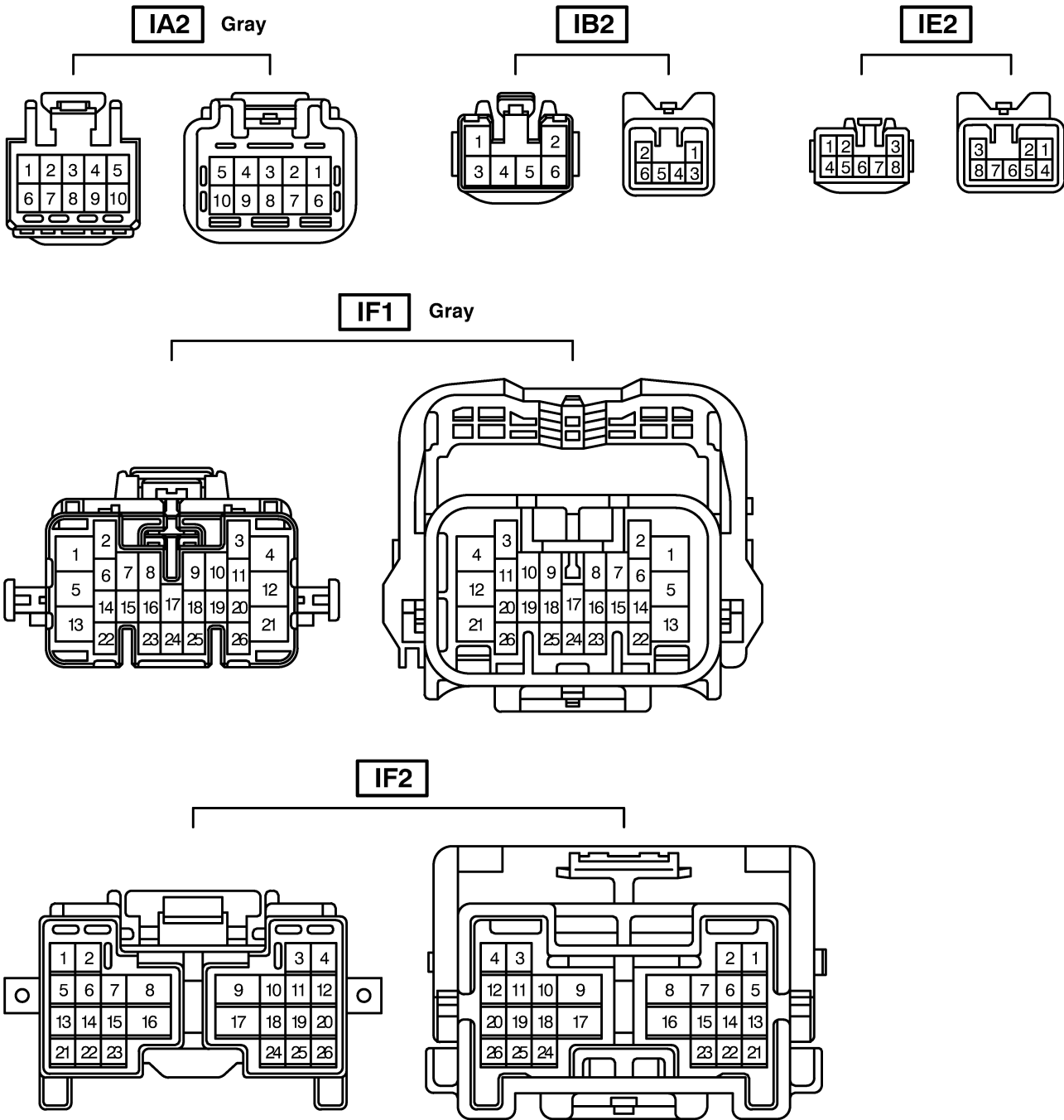
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD]



Connector Joining Wire Harness and Wire Harness

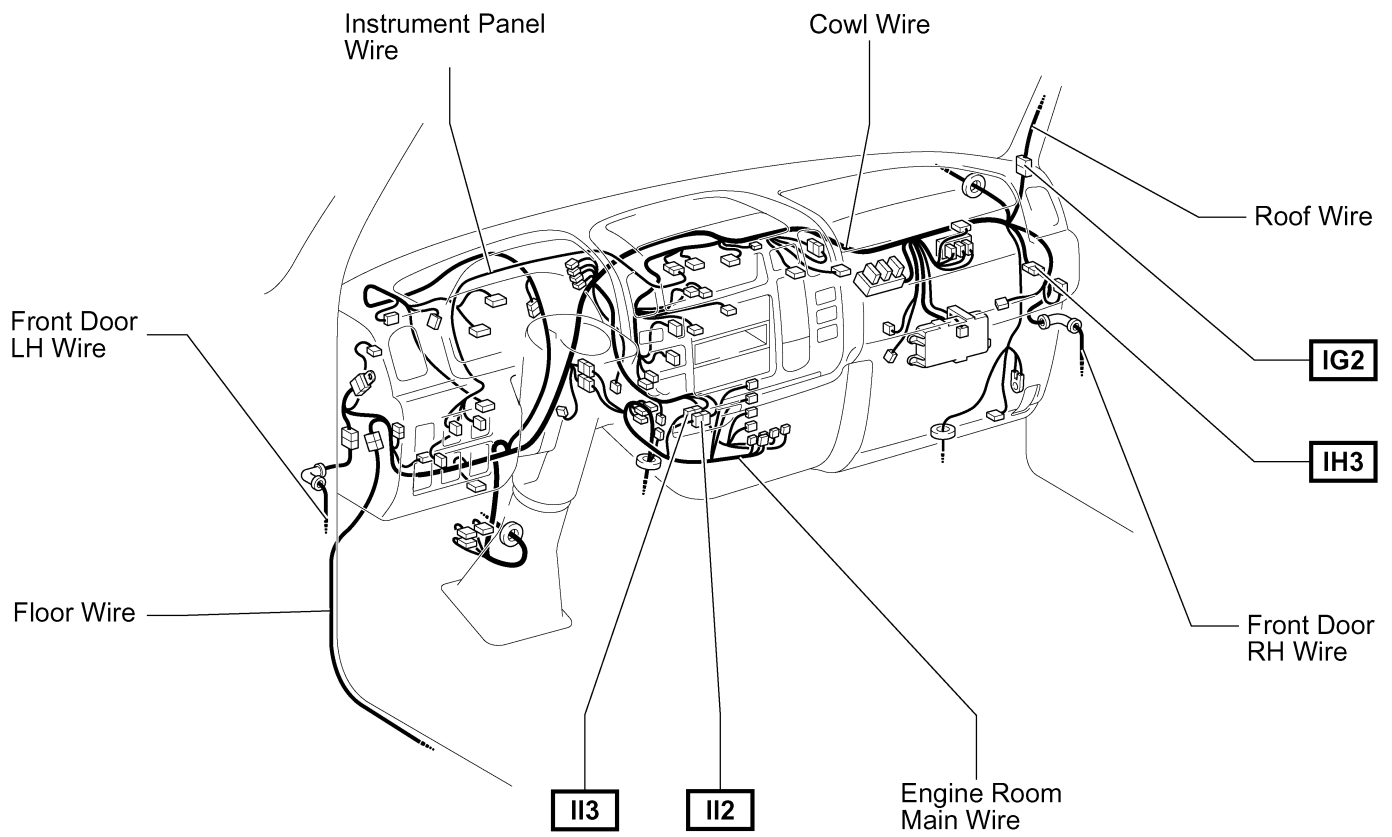


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA2	Front Door LH Wire and Cowl Wire (Cowl Side Panel LH)
IB2	Floor Wire and Cowl Wire (Cowl Side Panel LH)
IE2	Instrument Panel Wire and Cowl Wire (Instrument Panel Reinforcement Center)
IF1	Engine Room Main Wire and Cowl Wire (Right Side of the Accelerator Pedal)
IF2	Engine Room Main Wire and Cowl Wire (Right Side of the Accelerator Pedal)

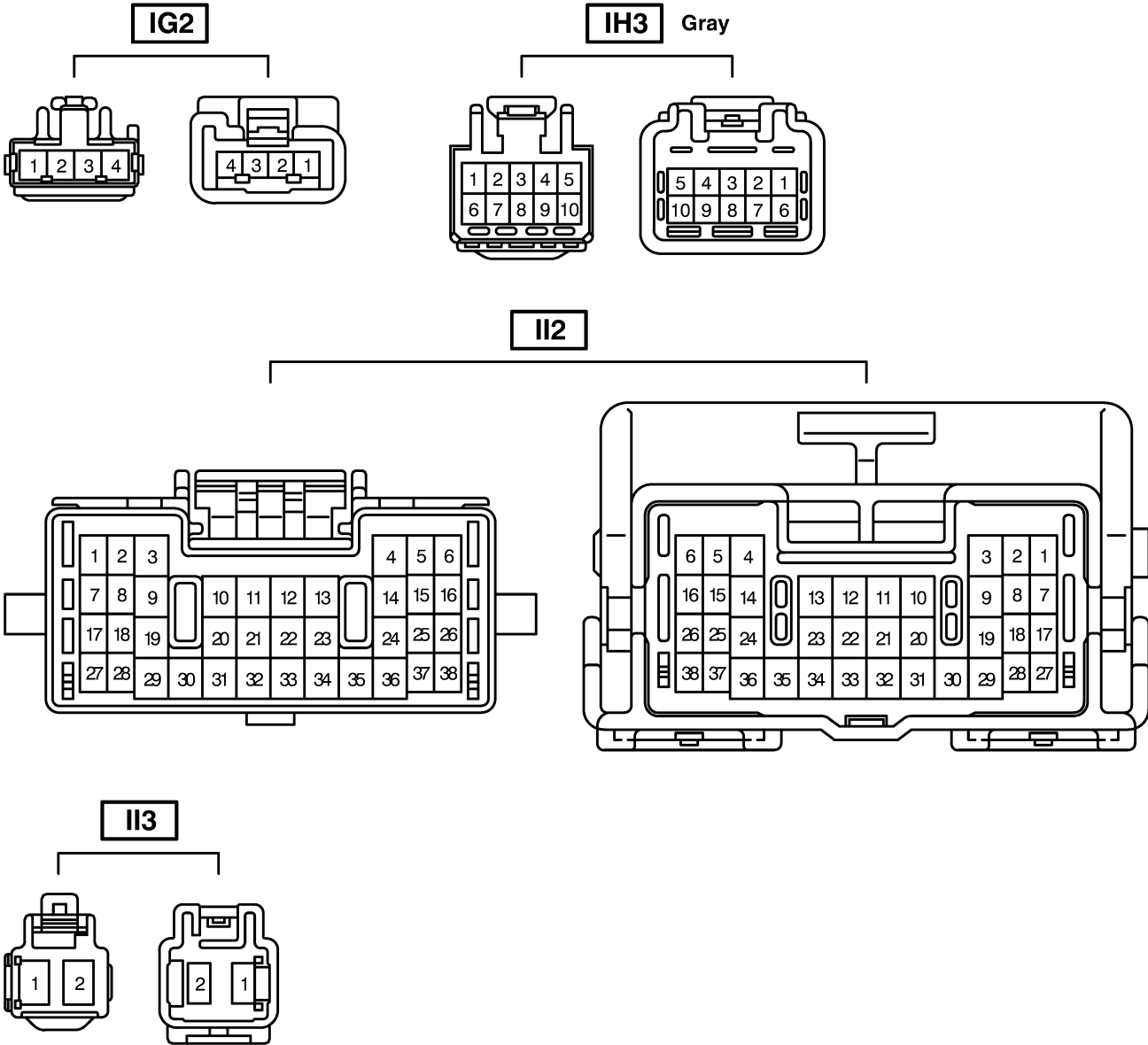
E ELECTRICAL WIRING ROUTING

□ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



Connector Joining Wire Harness and Wire Harness



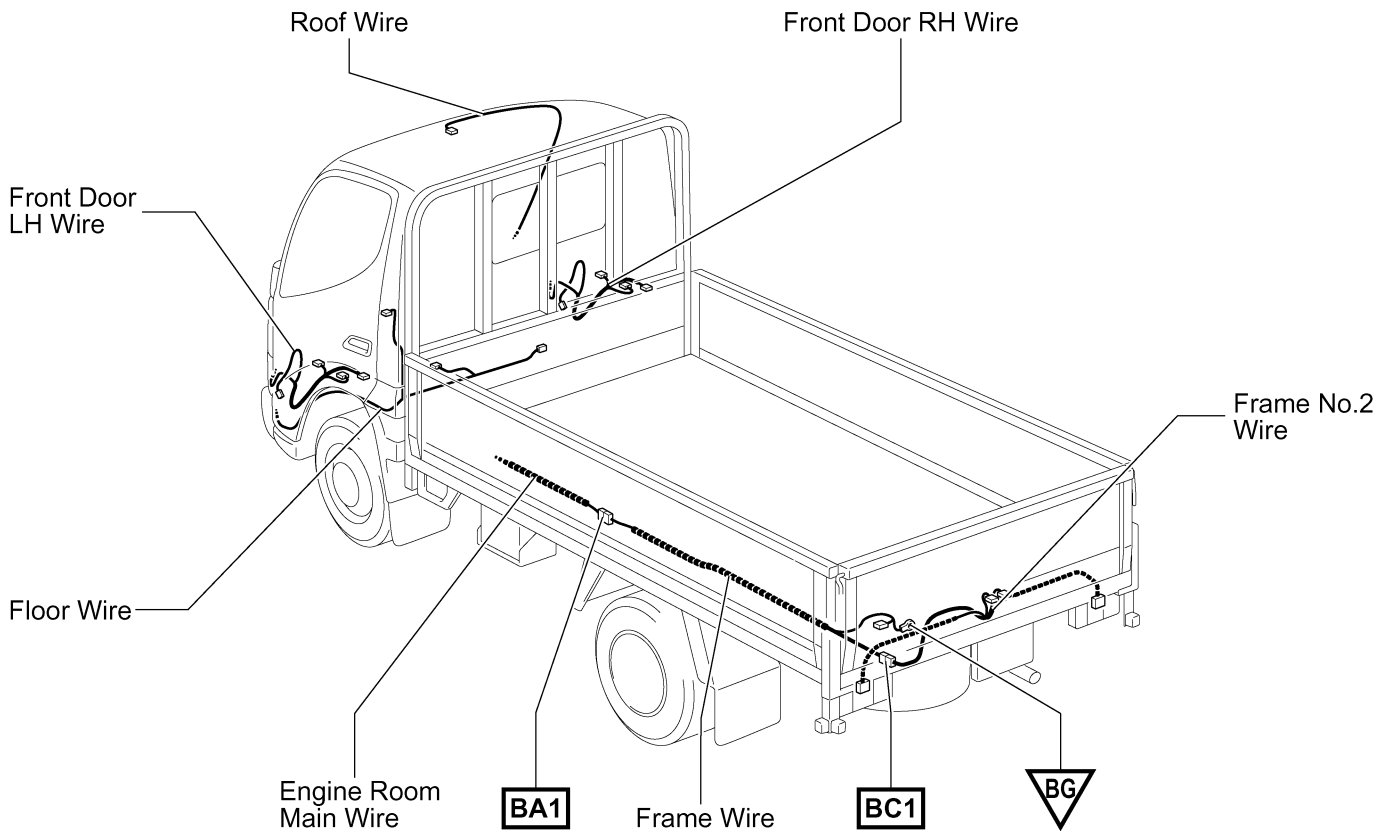
Code	Joining Wire Harness and Wire Harness (Connector Location)
IG2	Roof Wire and Cowl Wire (Cowl Side Panel RH)
IH3	Front Door RH Wire and Cowl Wire (Cowl Side Panel RH)
II2	Engine Room Main Wire and Cowl Wire (Instrument Panel Brace LH)
II3	

E ELECTRICAL WIRING ROUTING

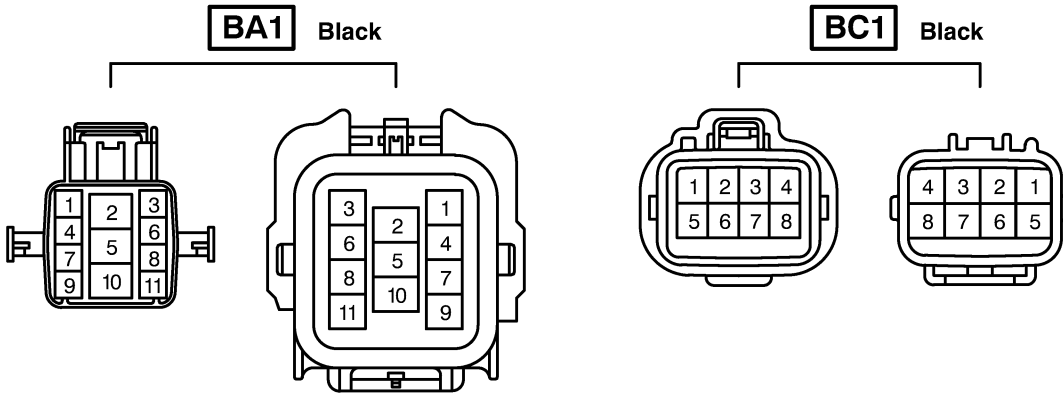
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : Except Standard Roof]



Connector Joining Wire Harness and Wire Harness



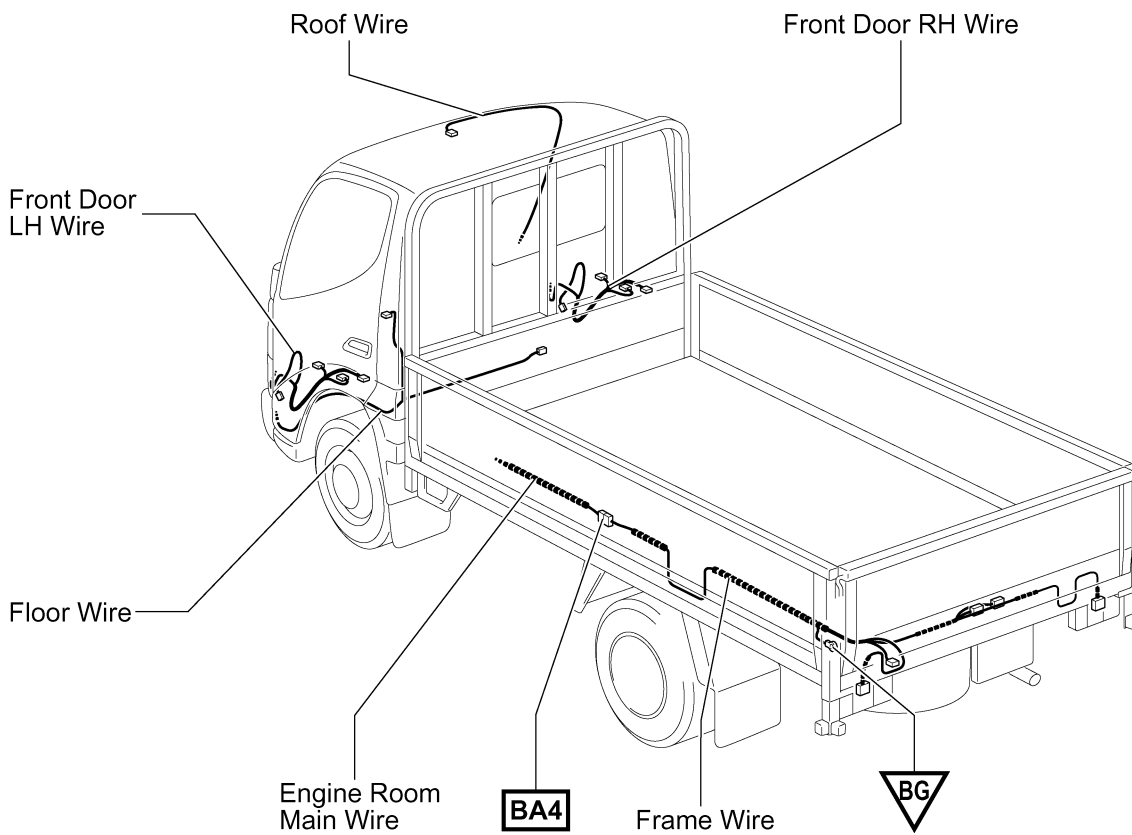
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Engine Room Main Wire and Frame Wire (Rear Left Side of the No.3 Crossmember)
BC1	Frame No.2 Wire and Frame Wire (Left Side of the End Crossmember)

E ELECTRICAL WIRING ROUTING

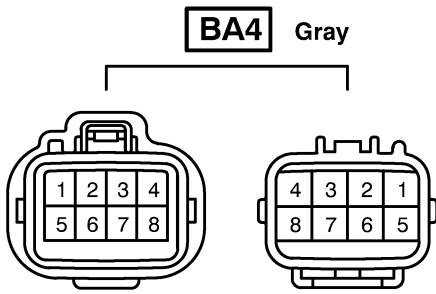
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : Standard Roof]



Connector Joining Wire Harness and Wire Harness



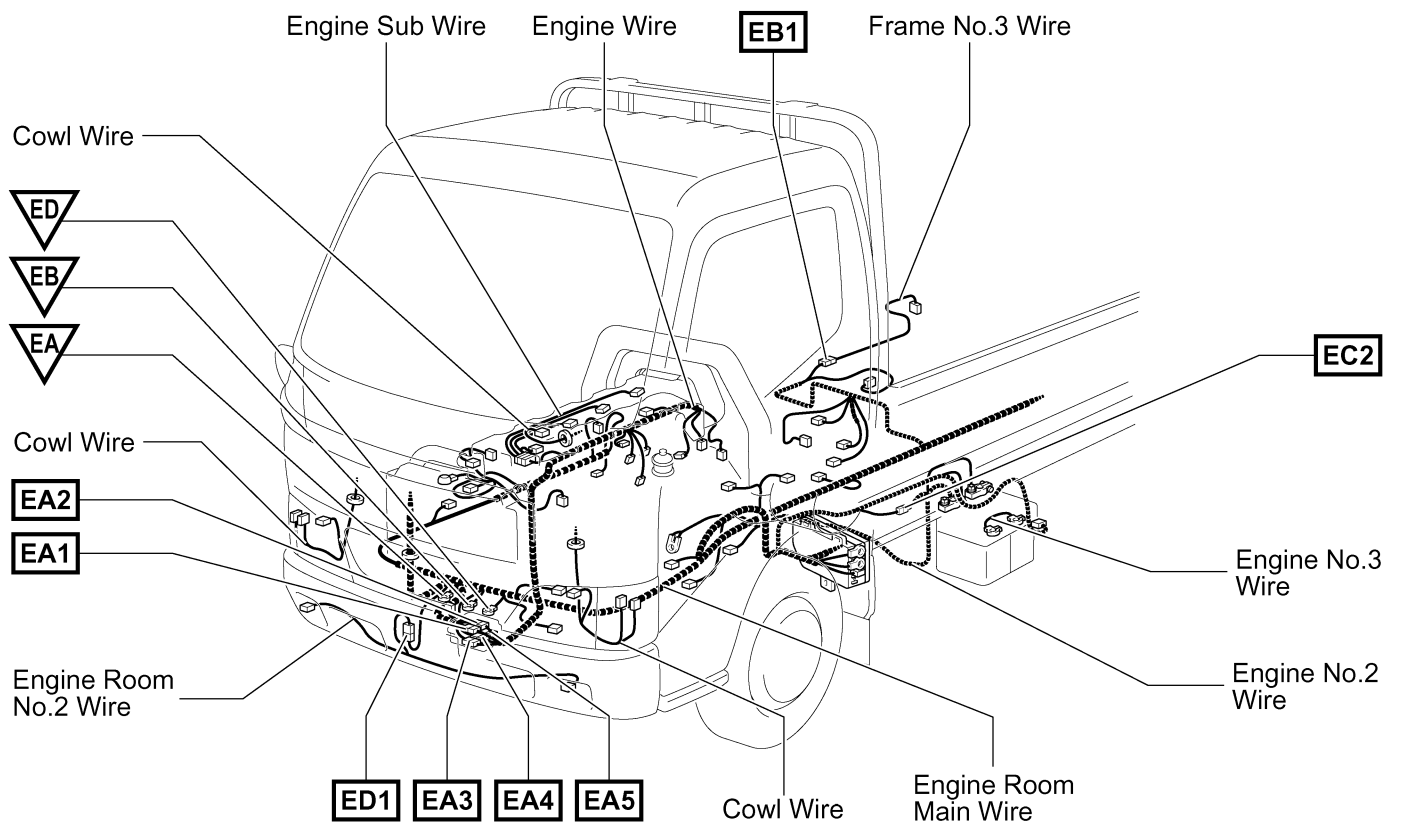
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA4	Engine Room Main Wire and Frame Wire (Rear Left Side of the No.3 Crossmember)

E ELECTRICAL WIRING ROUTING

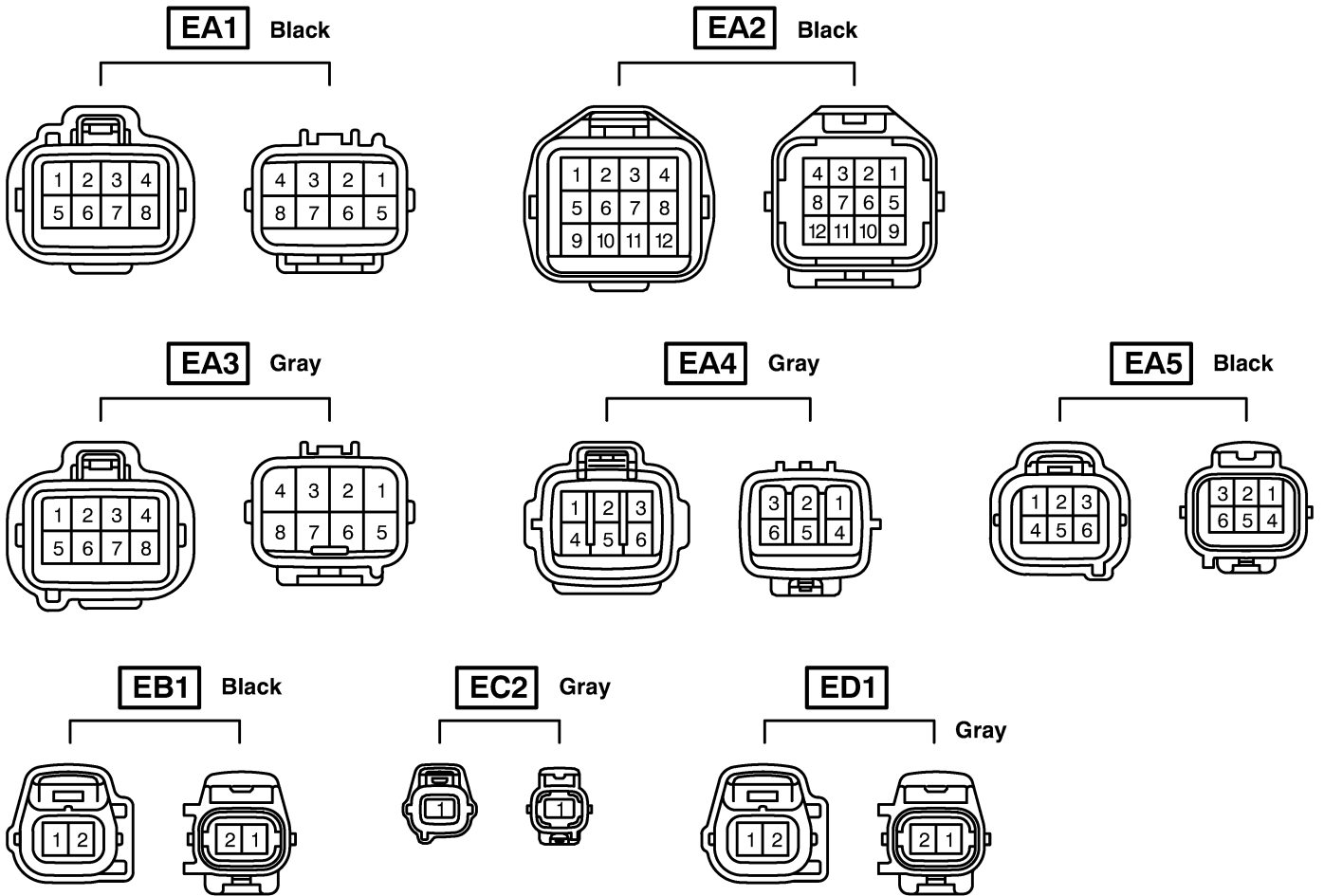
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : S05C-TB]



Connector Joining Wire Harness and Wire Harness



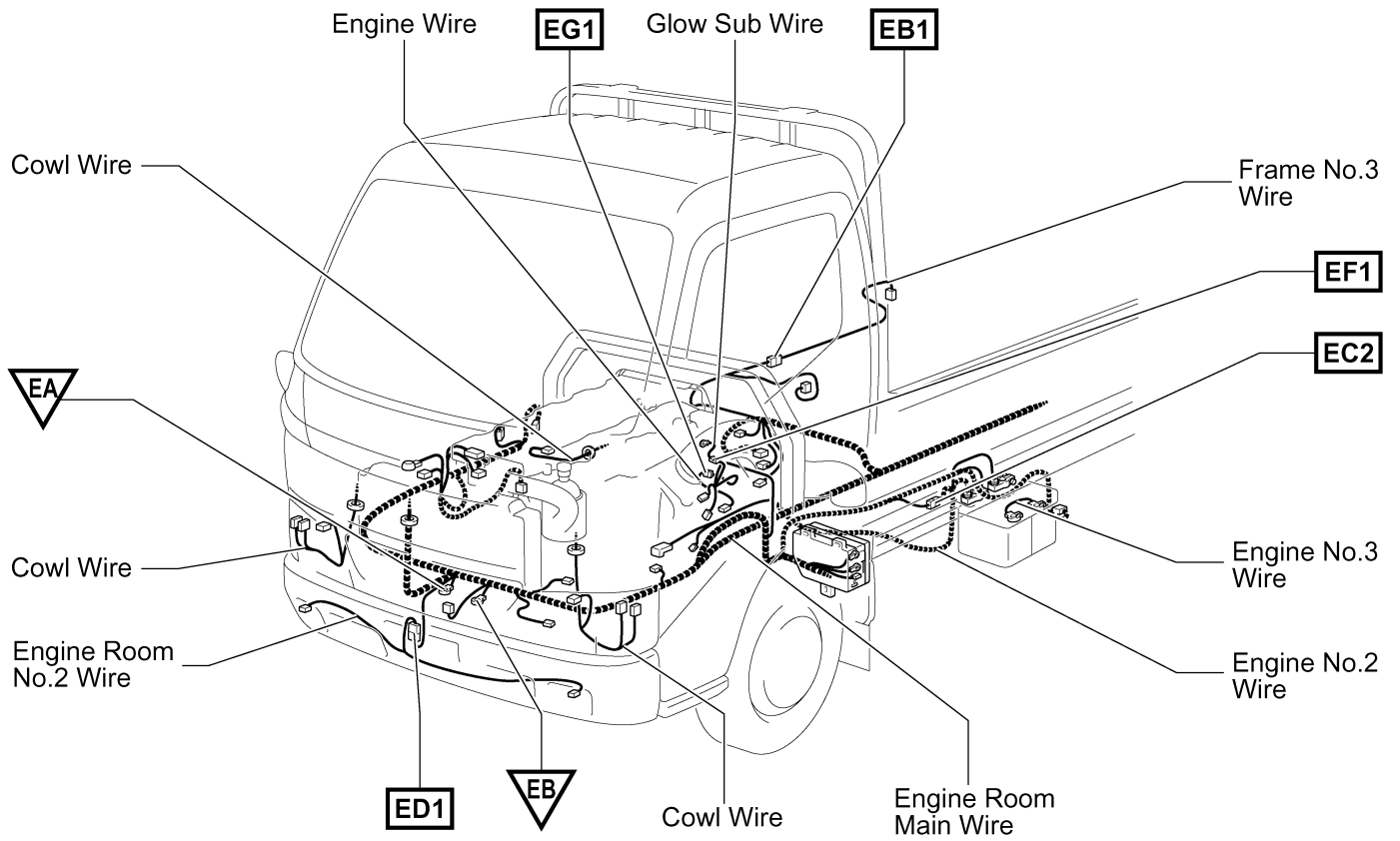
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	
EA2	
EA3	Engine Room Main Wire and Engine Wire (Front Side of the No.2 Crossmember)
EA4	
EA5	
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)

E ELECTRICAL WIRING ROUTING

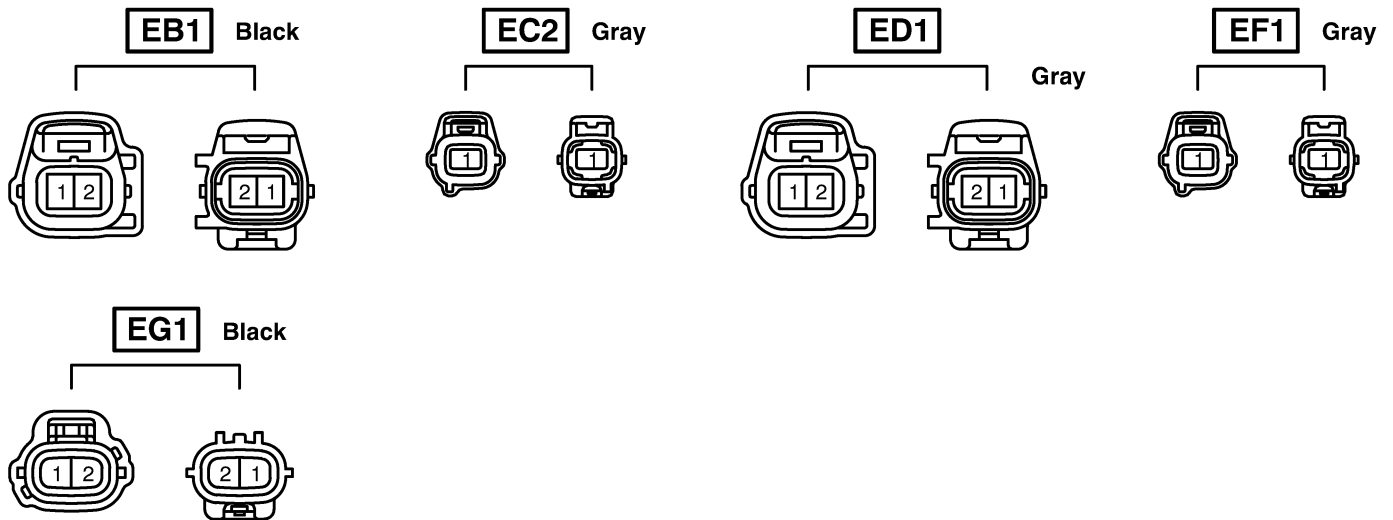
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : S05C-B]



Connector Joining Wire Harness and Wire Harness



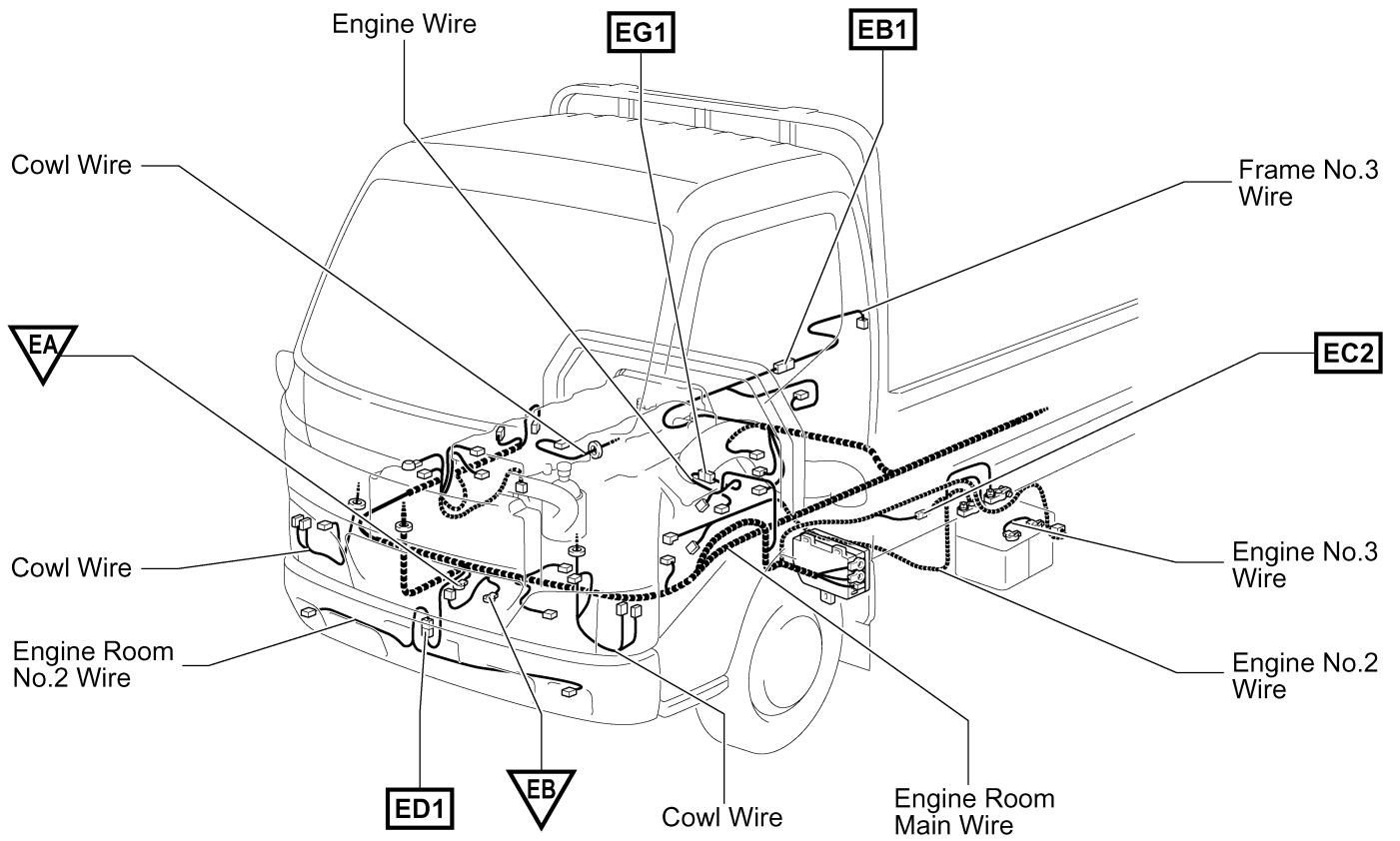
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EF1	Engine Room Main Wire and Glow Sub Wire (Rear Left Side of the Engine Block)
EG1	Engine Room Main Wire and Engine Wire (Rear Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

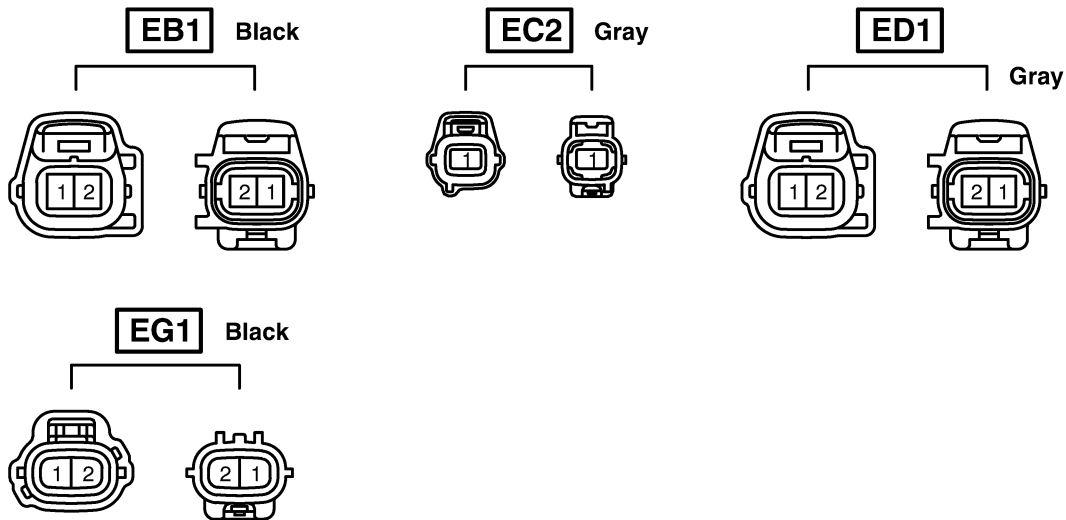
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : S05C-TA]



Connector Joining Wire Harness and Wire Harness



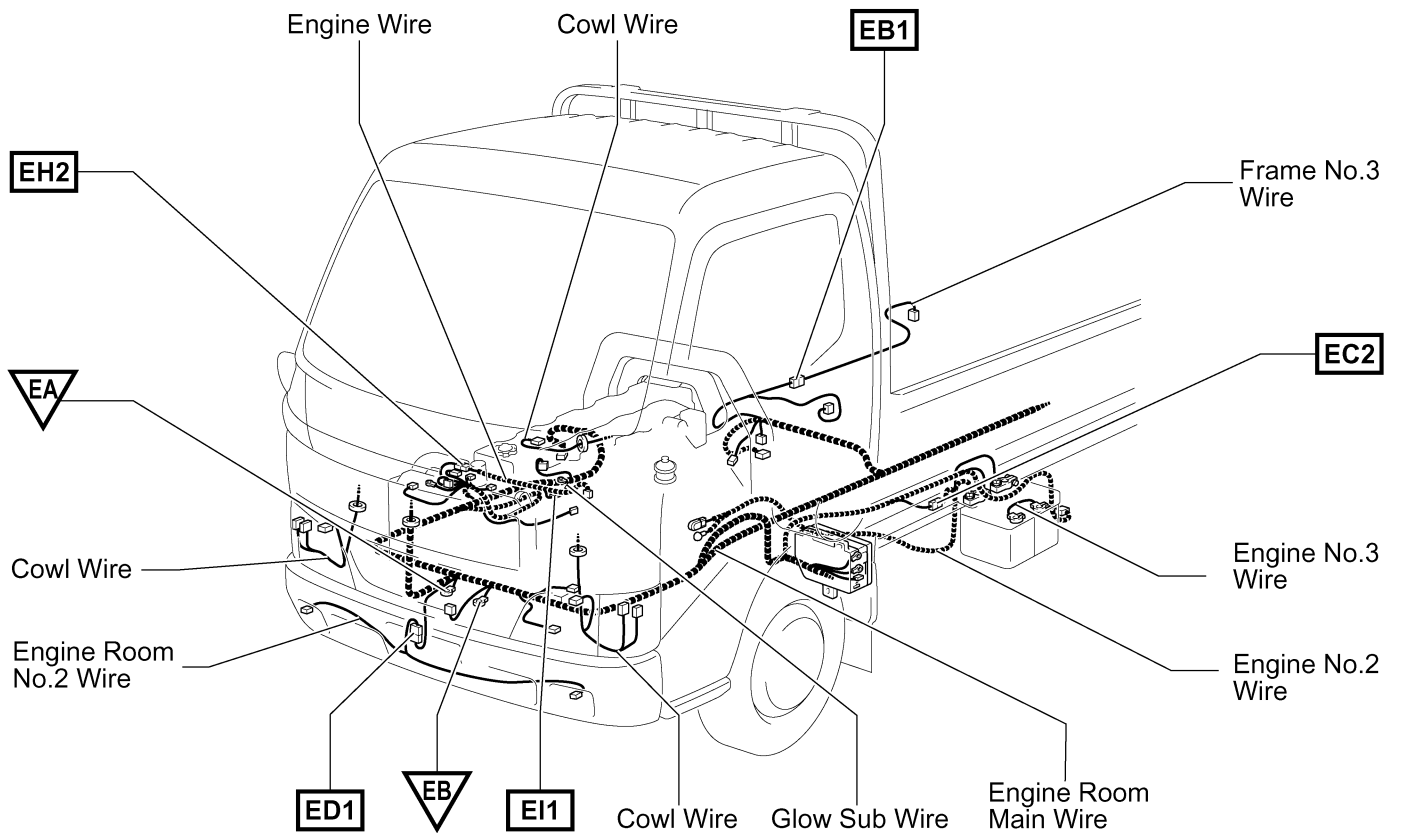
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EG1	Engine Room Main Wire and Engine Wire (Rear Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

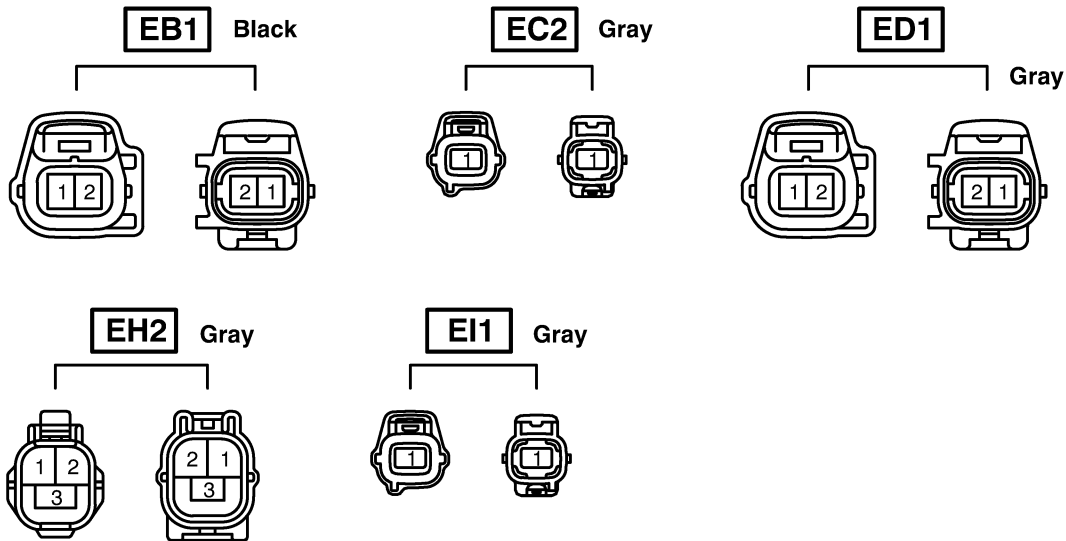
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD : W04D-J]



Connector Joining Wire Harness and Wire Harness



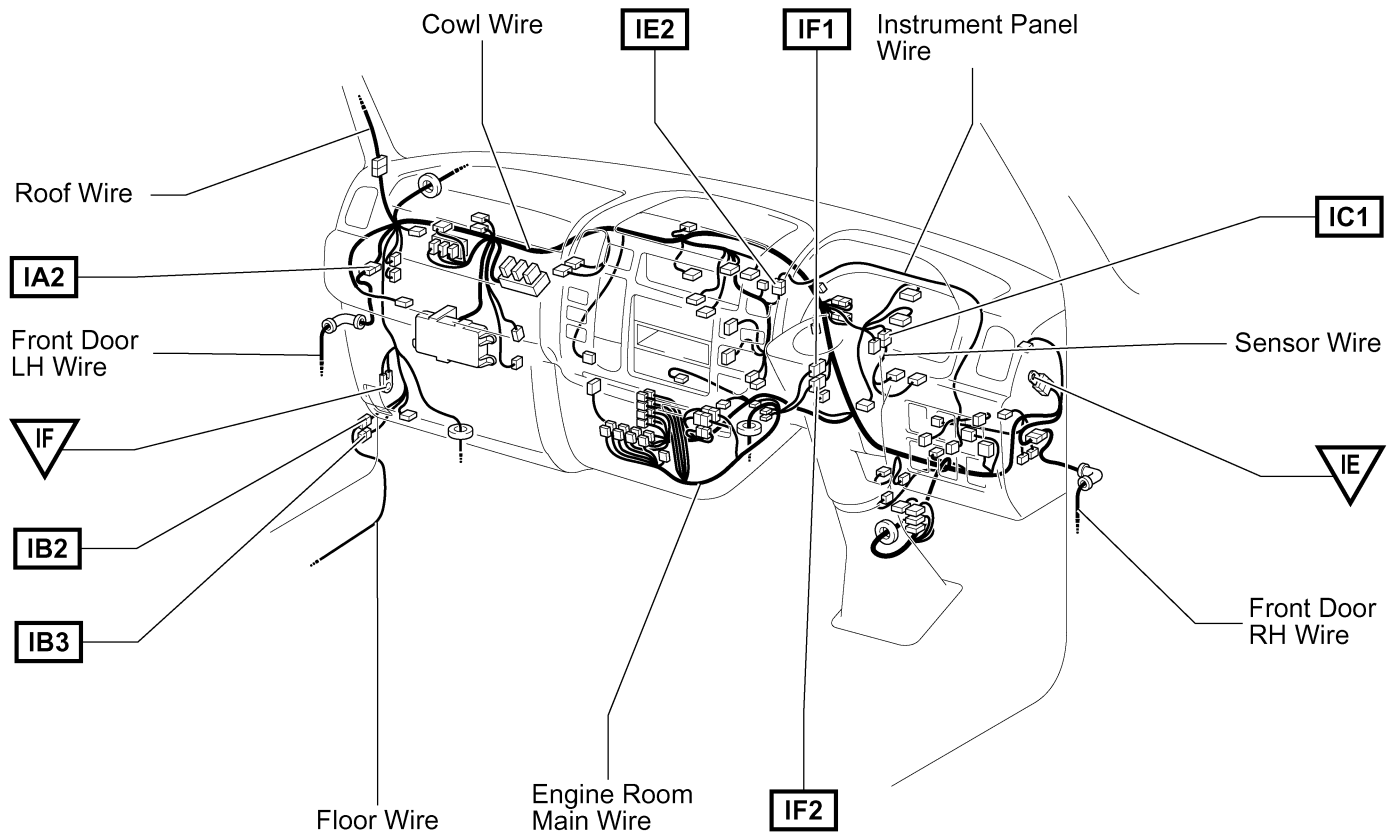
Code	Joining Wire Harness and Wire Harness (Connector Location)
EB1	Frame No.3 Wire and Engine Room Main Wire (Right Side of the No.3 Crossmember)
EC2	Engine No.2 Wire and Engine Room Main Wire (Left Side of the No.3 Crossmember)
ED1	Engine Room No.2 Wire and Engine Room Main Wire (Front Crossmember)
EH2	Engine Room Main Wire and Engine Wire (Upper the Alternator)
EI1	Engine Wire and Glow Sub Wire (Front Left Side of the Engine Block)

E ELECTRICAL WIRING ROUTING

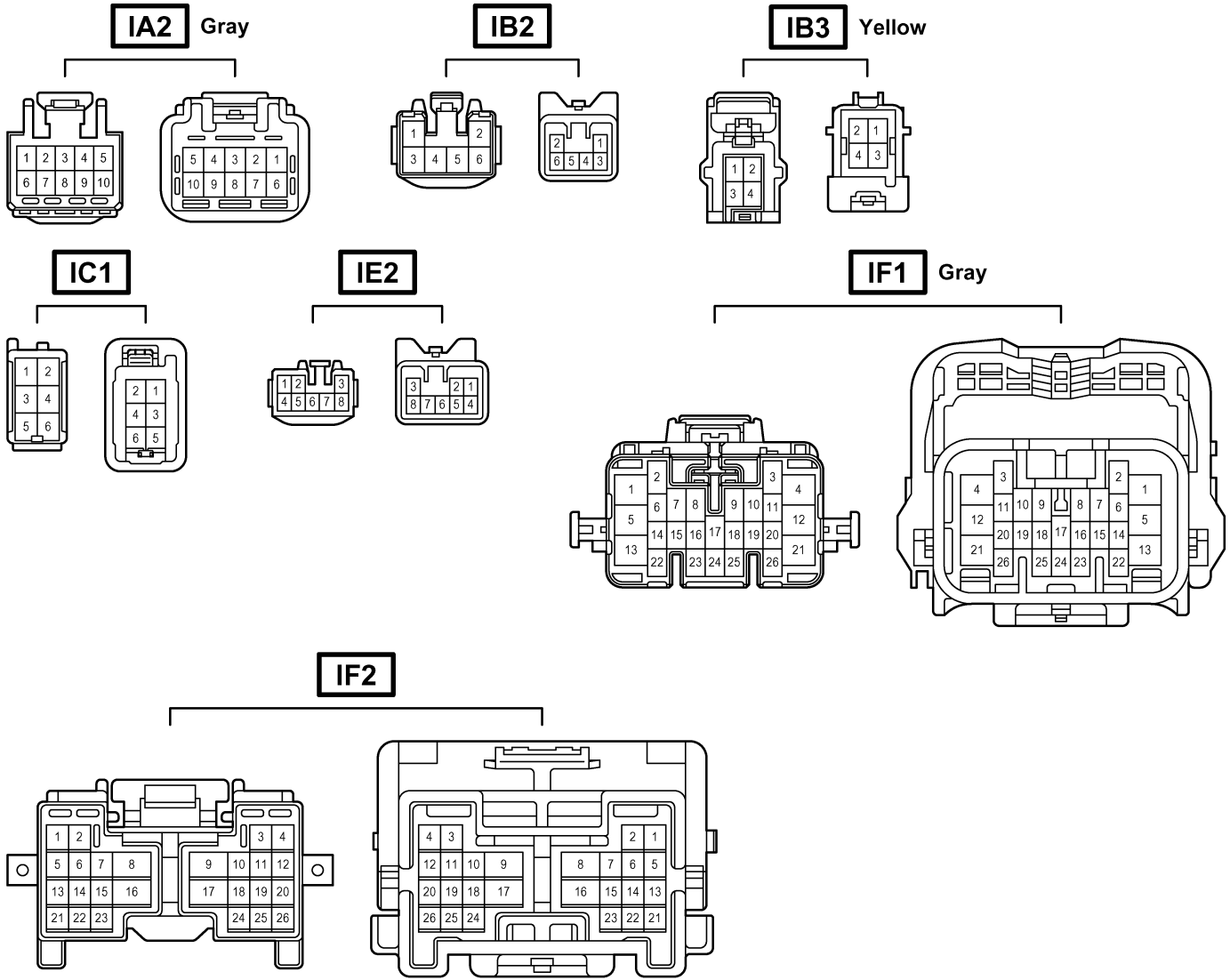
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD]



Connector Joining Wire Harness and Wire Harness

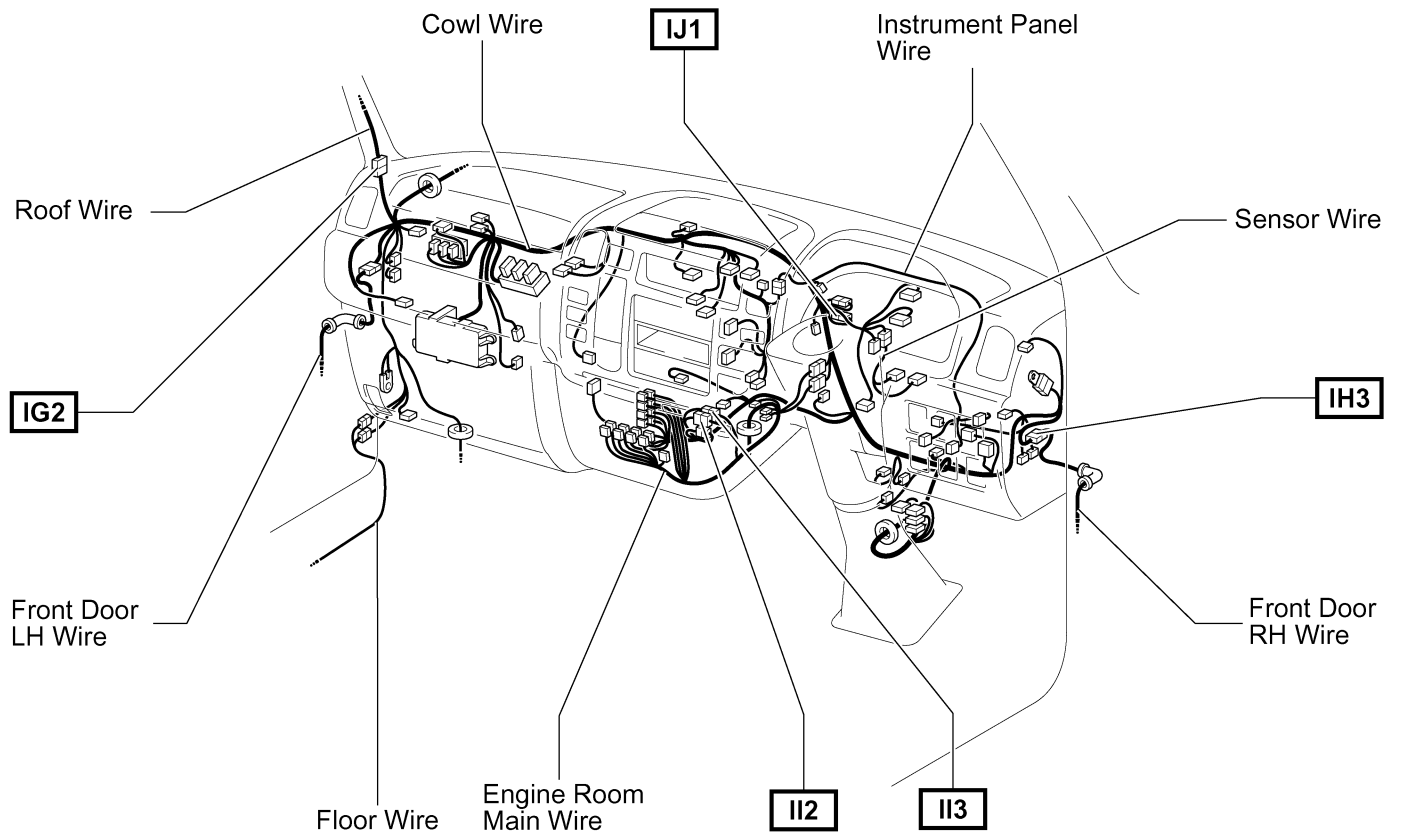


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA2	Front Door LH Wire and Cowl Wire (Cowl Side Panel LH)
IB2	Floor Wire and Cowl Wire (Cowl Side Panel LH)
IB3	Floor Wire and Cowl Wire (Cowl Side Panel LH)
IC1	Cowl Wire and Sensor Wire (Behind the Combination Meter)
IE2	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IF1	Engine Room Main Wire and Cowl Wire (Left Side of the Clutch Pedal)
IF2	Engine Room Main Wire and Cowl Wire (Left Side of the Clutch Pedal)

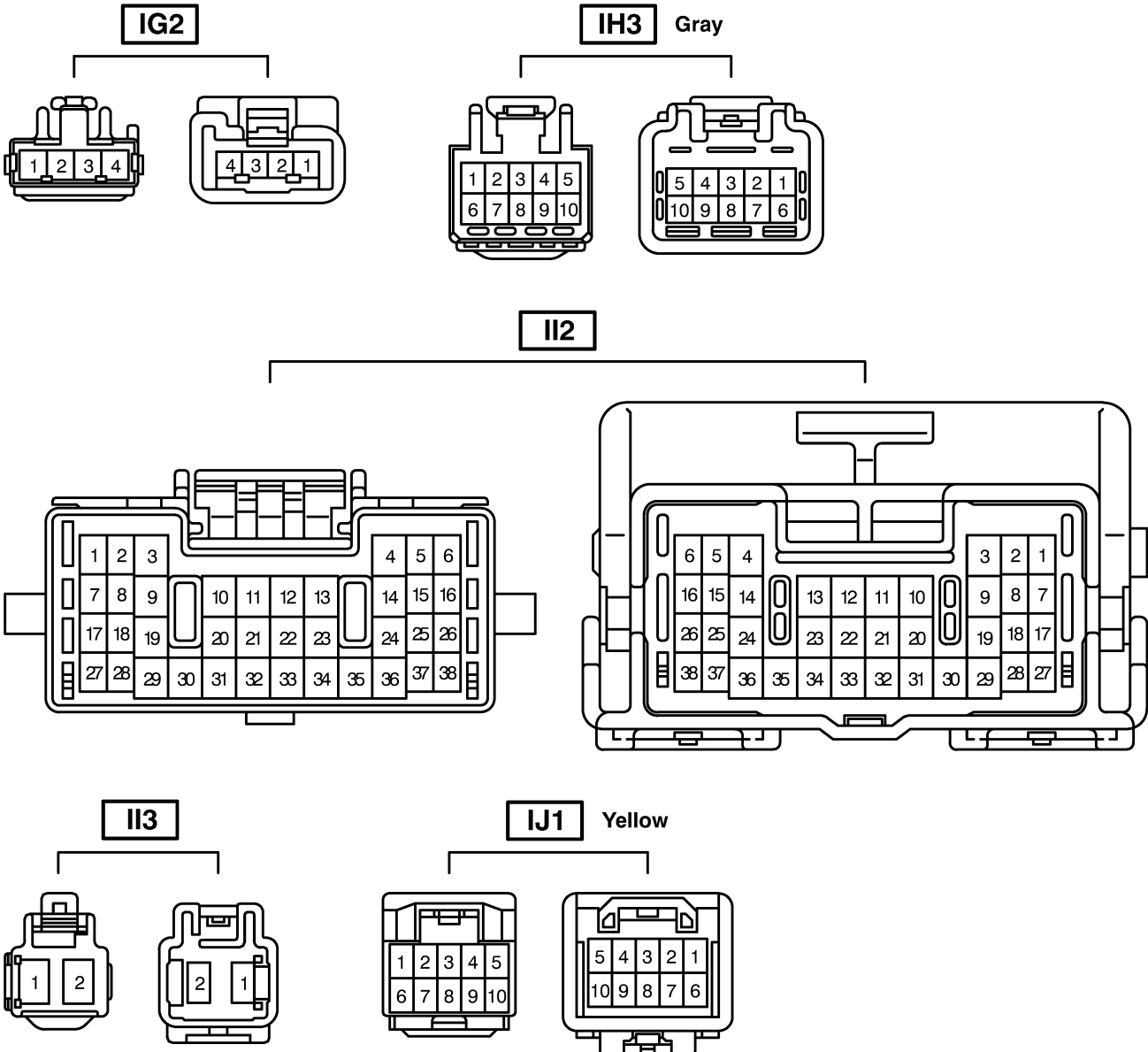
E ELECTRICAL WIRING ROUTING

□ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



Connector Joining Wire Harness and Wire Harness



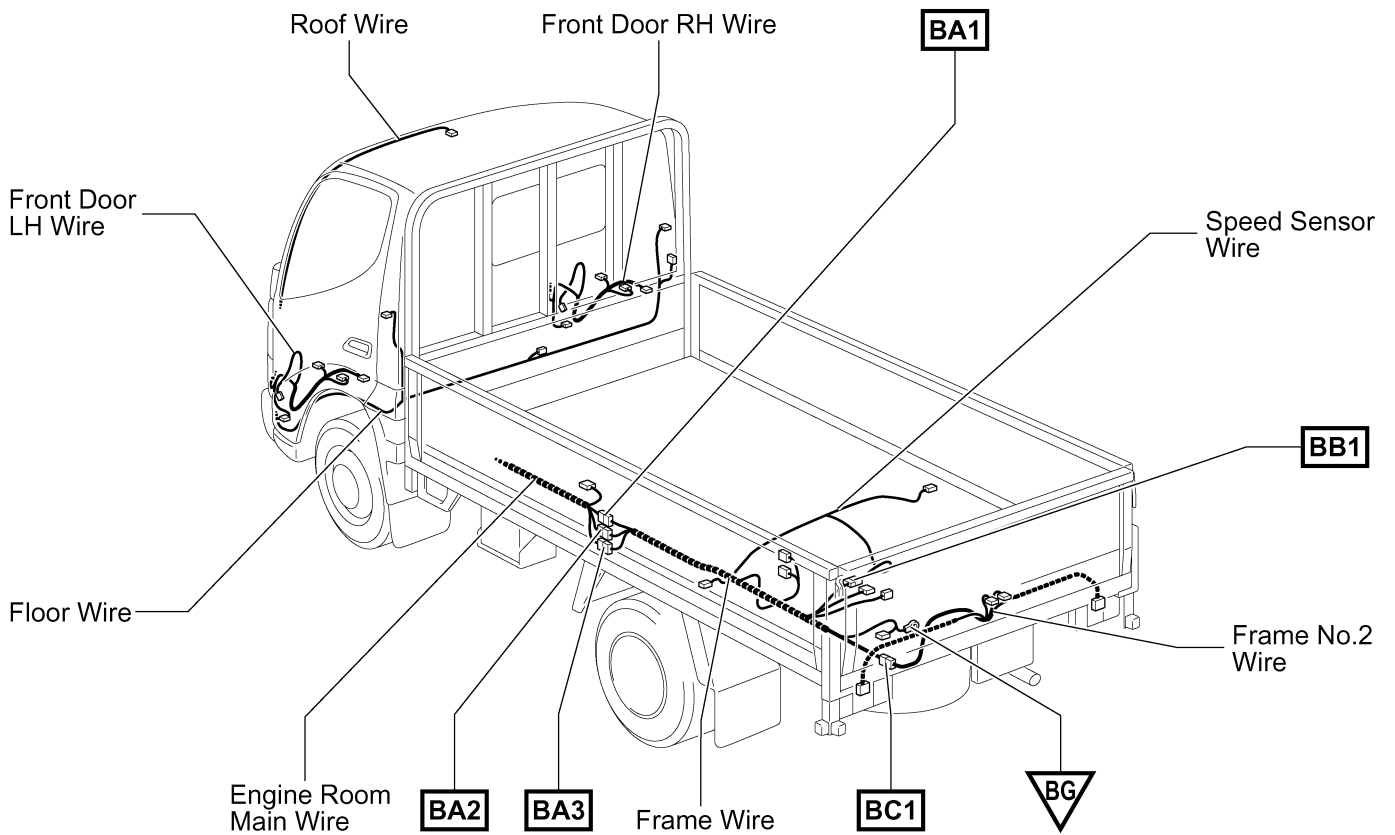
Code	Joining Wire Harness and Wire Harness (Connector Location)
IG2	Roof Wire and Cowl Wire (Cowl Side Panel LH)
IH3	Front Door RH Wire and Cowl Wire (Cowl Side Panel RH)
II2	Engine Room Main Wire and Cowl Wire (Instrument Panel Brace RH)
II3	Engine Room Main Wire and Cowl Wire (Instrument Panel Brace RH)
IJ1	Cowl Wire and Cowl Wire (Left Side of the Combination Meter)

E ELECTRICAL WIRING ROUTING

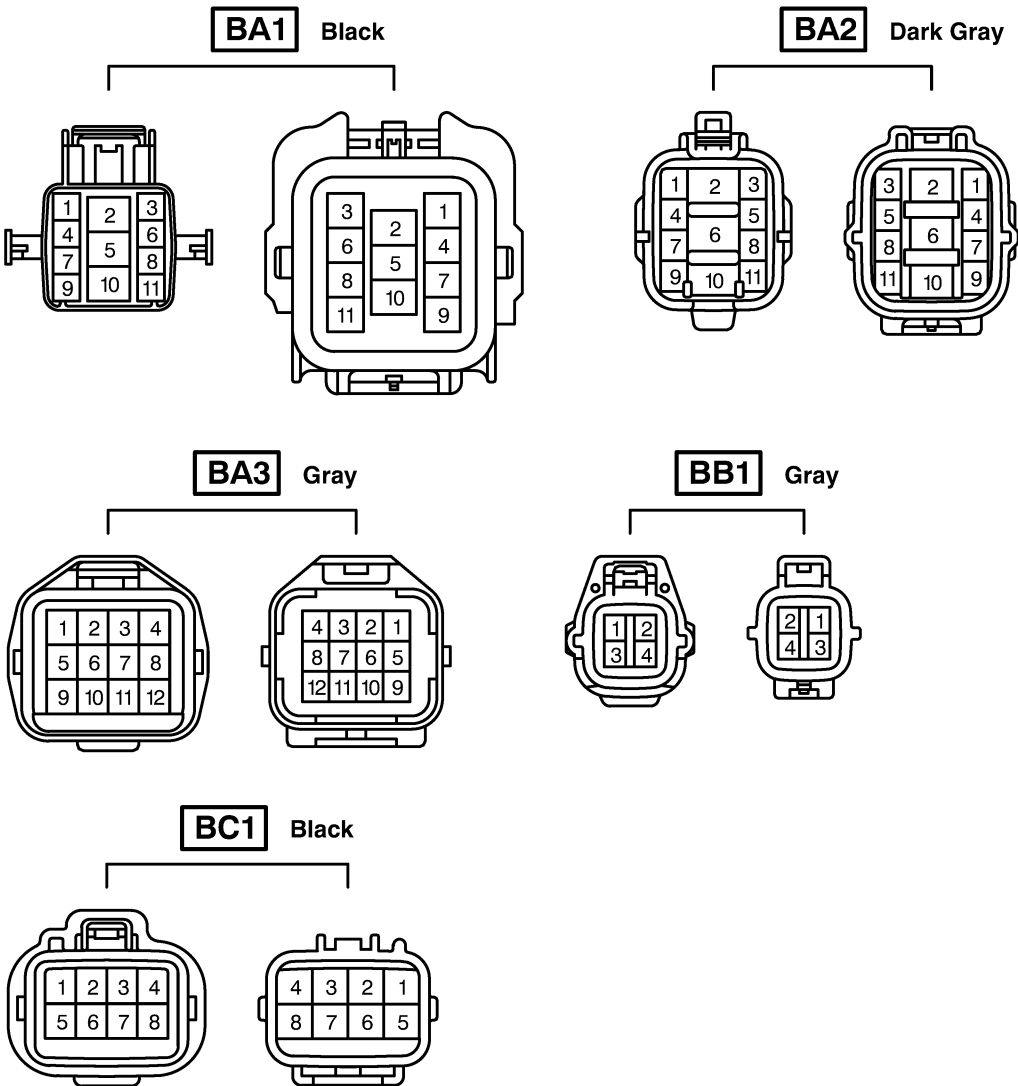
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[RHD]



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	
BA2	Engine Room Main Wire and Frame Wire (Rear Left Side of the No.3 Crossmember)
BA3	
BB1	Speed Sensor Wire and Frame Wire (Left Side of the No.6 Crossmember)
BC1	Frame No.2 Wire and Frame Wire (Left Side of the End Crossmember)

F CONNECTOR LIST

*1 : S05C-B, S05C-TA, W04D-J

*2 : 15B-FTE, S05C-TB

*3 : Except GVWR 5.5t

A 1
(*1) Black



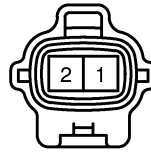
A 1
(*2) Gray



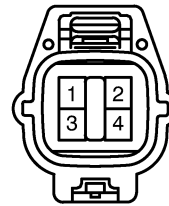
A 2
Gray



A 3
Gray



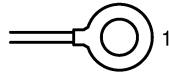
A 4
Dark Gray



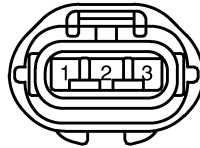
A 6
(Except W04D-J)



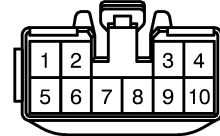
A 6
(W04D-J)



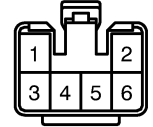
A 7
Black



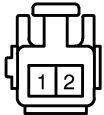
A 8
Black



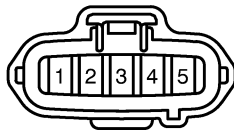
A 9
Black



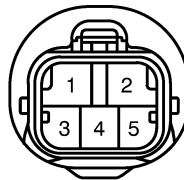
A 10



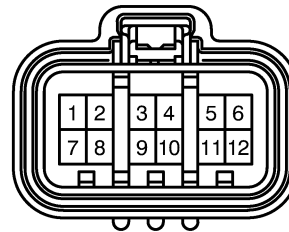
A 11
Black



A 13
Black



A 14
Black



A 15
(*3) Gray



A 15
(GVWR 5.5t) Gray



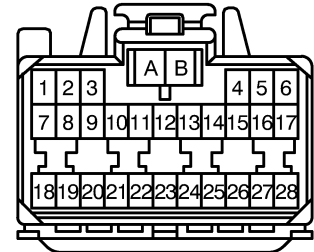
A 16
(*3) Gray



A 16
(GVWR 5.5t) Gray



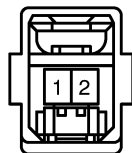
A 17
Yellow



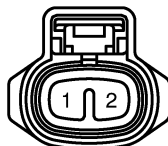
A 18
Yellow



A 19
Yellow



B 1



B 2
Black



B 3
Black



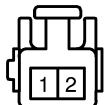
B 4
Black



B 5
Gray



B 6



B 7



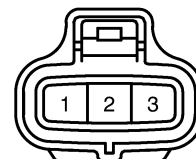
B 8
Black



C 1
Black



C 2
Gray



*4 : RHD 15B-FTE, S05C-B, S05C-TA

C 3
(LHD 15B-FTE)



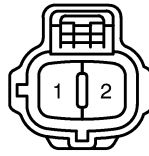
C 3
(*4) Black



C 3
(S05C-TB) Black



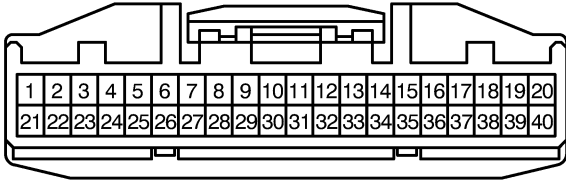
C 3
(W04D-J) Dark Gray



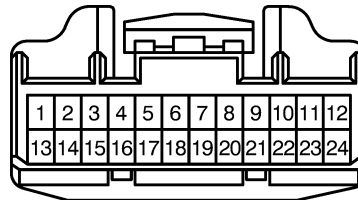
C 4



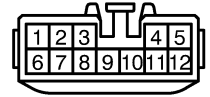
C 5



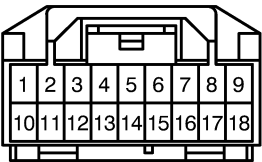
C 6



C 7
Brown



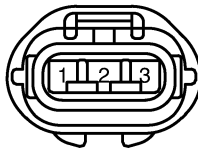
C 8



C 9
Black



C 10
Black



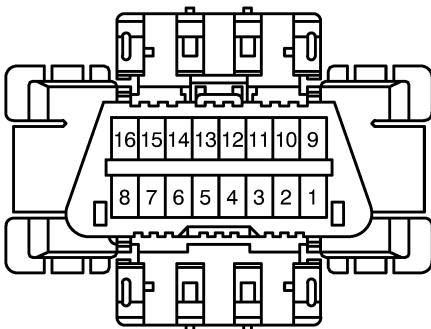
D 1



D 2
Black



D 3



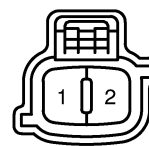
D 5



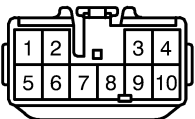
D 6
Gray



D 7
Black



D 8



D 9



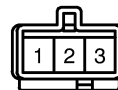
D 10
Black



D 11
Orange



D 12
Gray



D 13



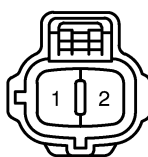
E 1
Dark Gray



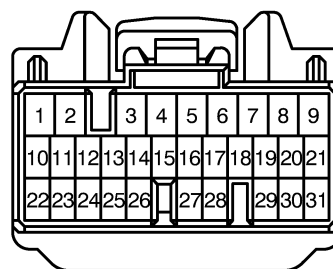
E 2



E 3
Black



E 4

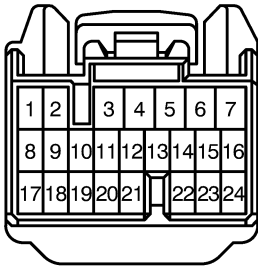


F CONNECTOR LIST

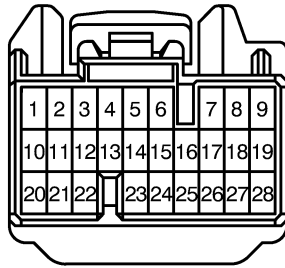
*5 : S05C-B, S05C-TA, S05C-TB, W04D-J

*6 : Except Standard Roof

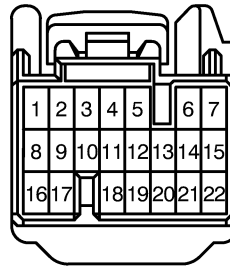
E 5



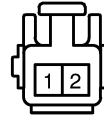
E 6



E 7



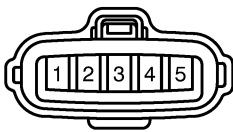
E 8



E 9



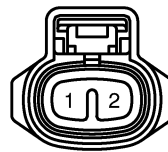
E10
Black



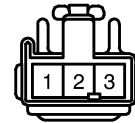
E11
Gray



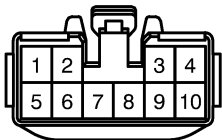
E12



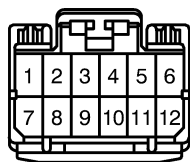
E13



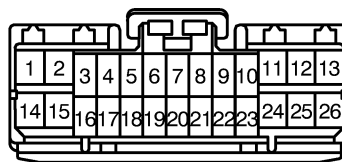
E14



E15



E16



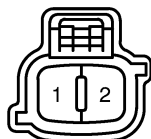
F 1
Gray



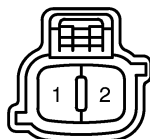
F 2
Gray



F 3
Gray



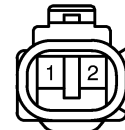
F 4
Gray



F 5
Gray



F 6
Gray



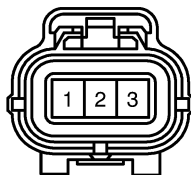
F 7
(*5) Black



F 7
(14B, 15B-FTE) Gray



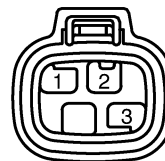
F 8
Black



F 9
(*6)



F 9
(Standard Roof) Gray (S05C-TB) Dark Gray



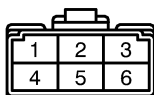
F10



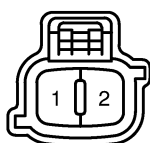
F10
(15B-FTE) Gray



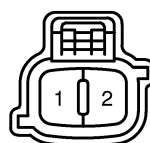
F11
Black



F12
Gray



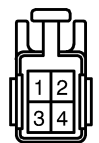
F13
Gray

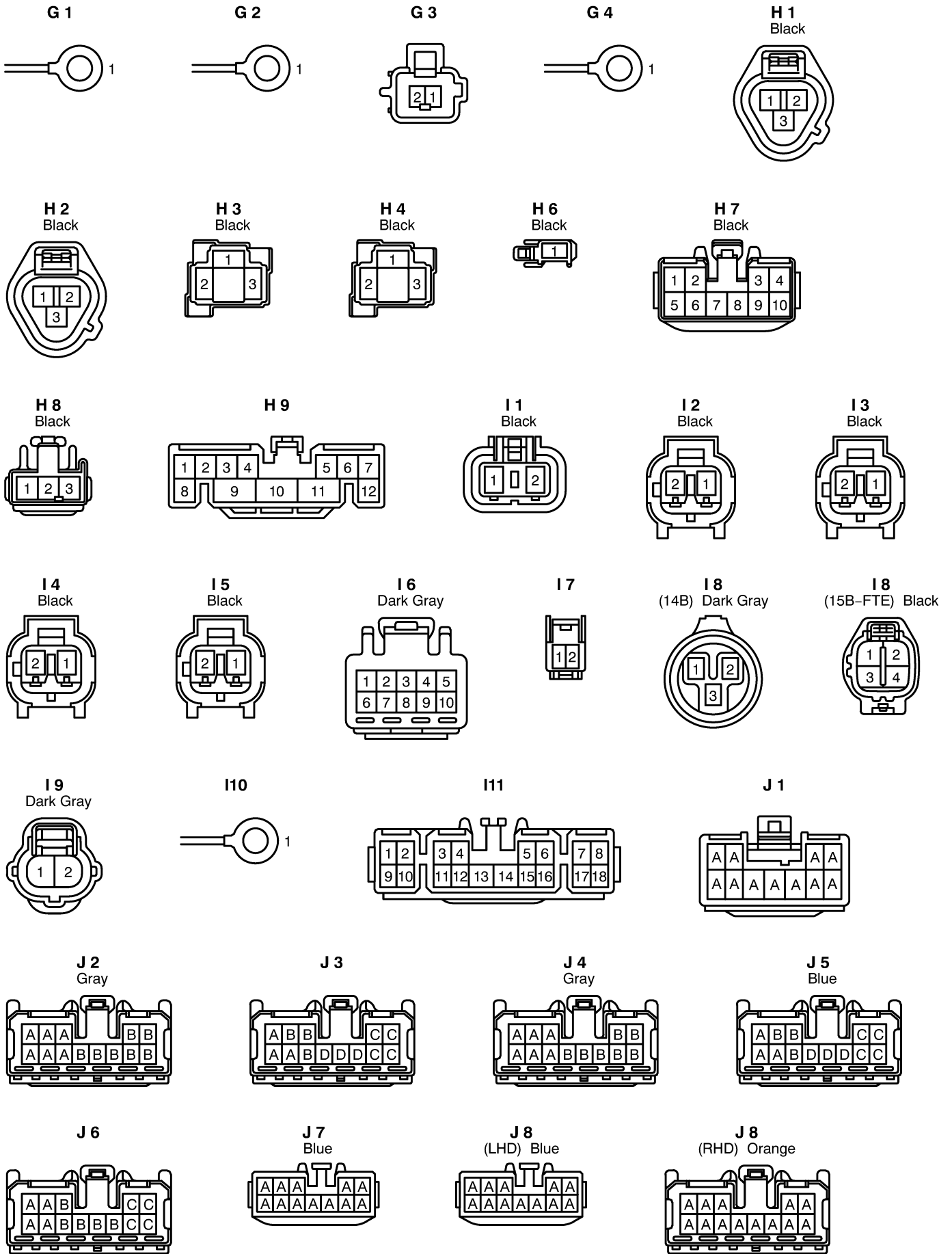


F15
Black



F16
Blue

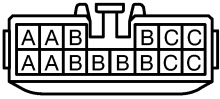




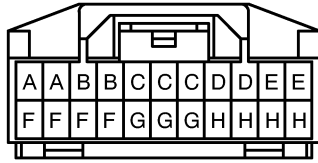
F CONNECTOR LIST

*7 : LHD Except Taiwan

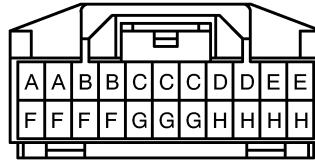
J 9



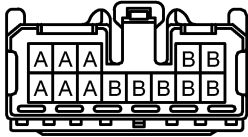
J10
Blue



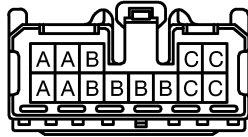
J11
Blue



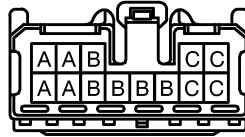
J12
(*7) Gray



J12
(RHD) Blue



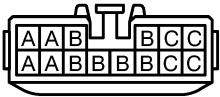
J12
(Taiwan) Gray



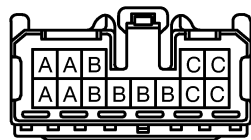
J13
Blue



J14



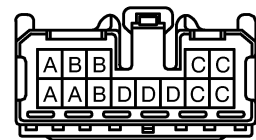
J15



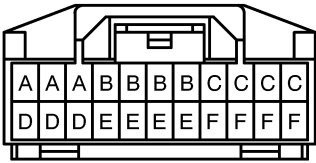
J16
Blue



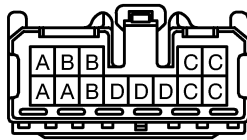
J17
Blue



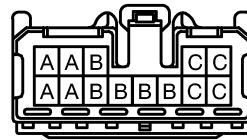
J18
Black



J19



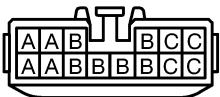
J20



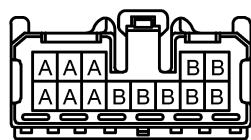
J21
Black



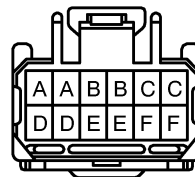
J22



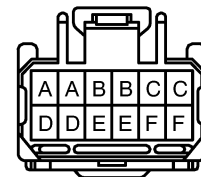
J23
Gray



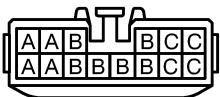
J24



J25



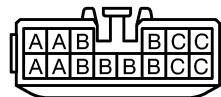
J26



J27



J28



L 1



L 2



M 1
Black



N 1
Gray



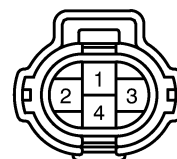
O 1
(Except 14B) Black



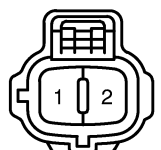
O 1
(14B)



P 1
Dark Gray



P 2
Black



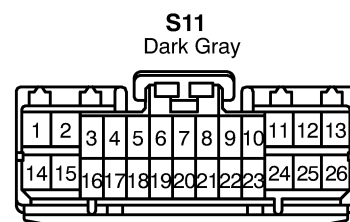
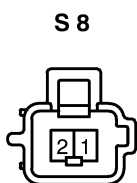
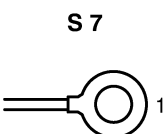
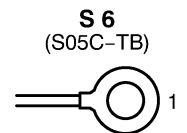
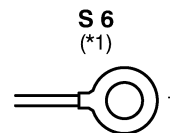
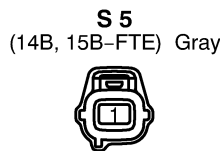
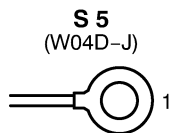
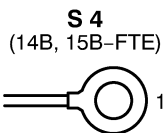
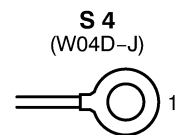
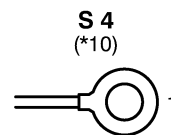
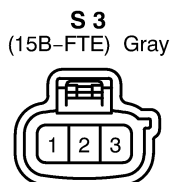
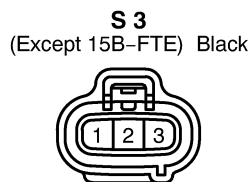
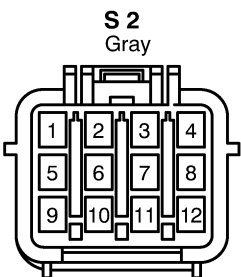
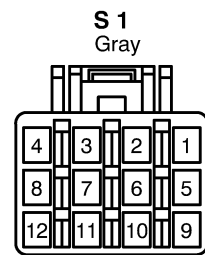
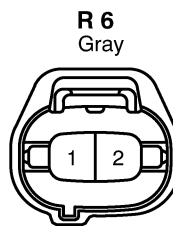
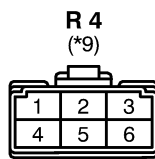
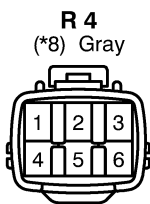
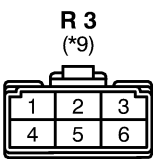
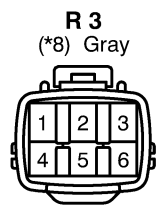
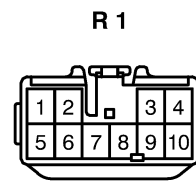
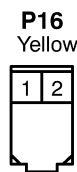
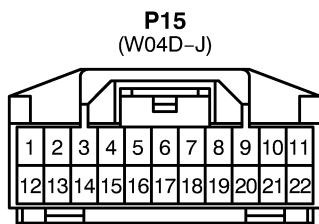
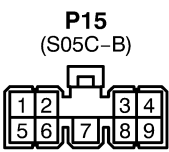
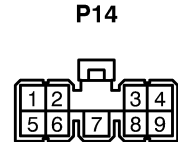
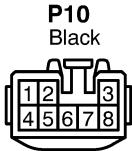
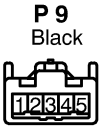
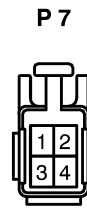
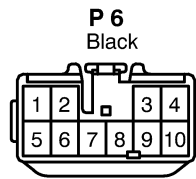
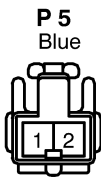
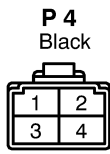
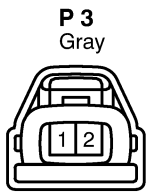
*1 : S05C-B, S05C-TA, W04D-J

*8 : Completion Vehicle

*9 : Except Completion Vehicle

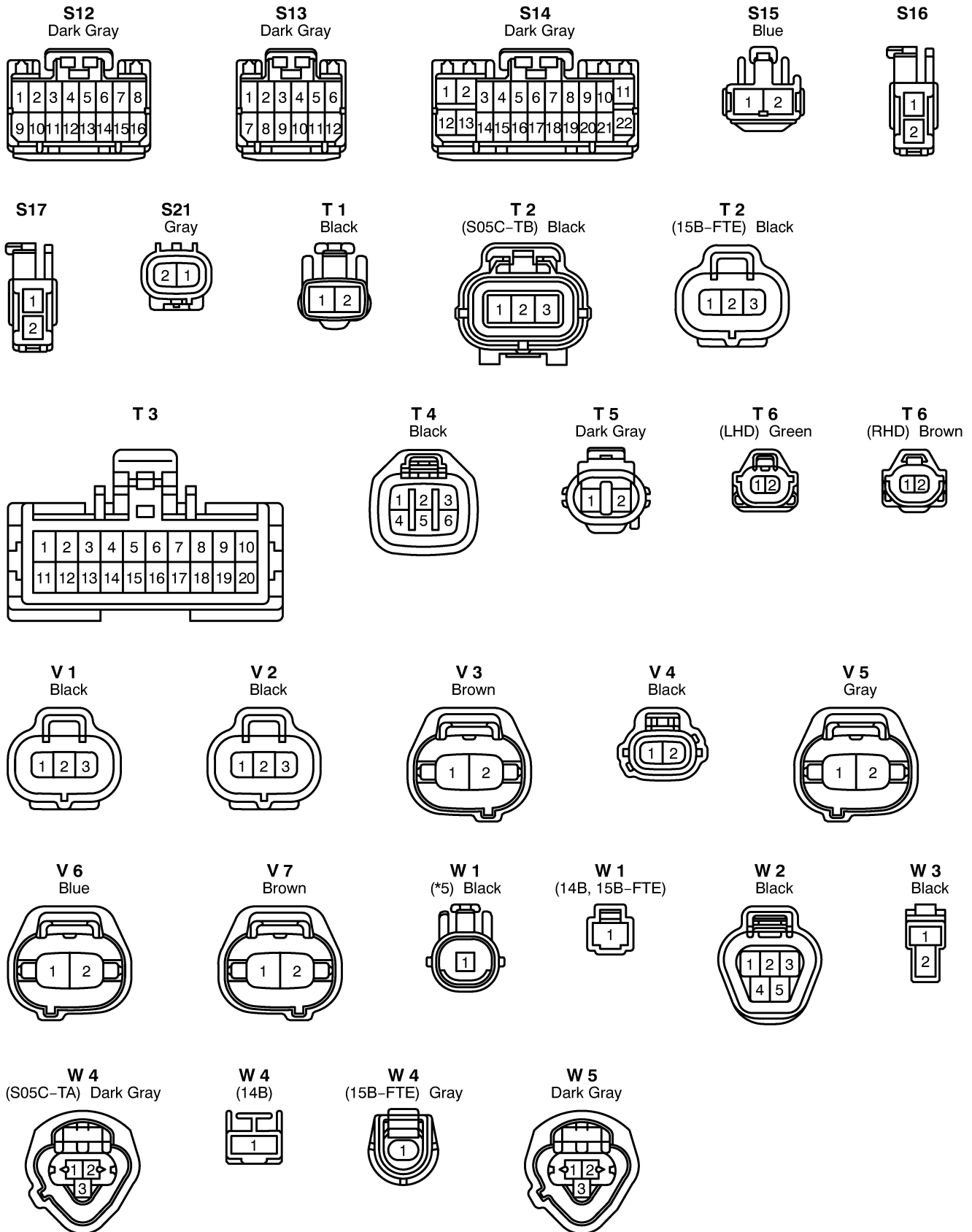
*10 : S05C-B, S05C-TA, S05C-TB

*11 : S05C-TA, S05C-TB



F CONNECTOR LIST

*5 : S05C-B, S05C-TA, S05C-TB, W04D-J



G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number	Code	Part Name	Part Number
A 1	A/C Magnetic Clutch (S05C-B, S05C-TA, W04D-J)	90980-11069	D 1	Diode (A/C No.1)	90980-11608
	A/C Magnetic Clutch (15B-FTE, S05C-TB)	90980-11271	D 2	Diode (Pressure Charge Valve)	90980-10962
A 2	ABS Speed Sensor Front LH	90980-11073	D 3	DLC3	90980-11665
A 3	ABS Speed Sensor Front RH		D 5	Door Courtesy SW (Driver's Side)	90980-10871
A 4	Accel Position Sensor	90980-11930	D 6	Door Lock Control SW	90980-11245
A 6	Alternator (Except W04D-J)	90980-09212	D 7	Door Lock Motor (Passenger's Side)	90980-11019
	Alternator (W04D-J)	90980-09213	D 8	DC/DC Converter	90980-10997
A 7	Alternator	90980-11349	D 9	Diode (A/C No.2)	90980-11608
A 8	A/C Amplifier	90980-10801	D10	Diode (ES Start)	90980-10962
A 9	A/C SW	90980-11280	D11	Diode (Parking Brake)	90980-11071
A10	A/C Thermistor	90980-10825	D12	Diode (Stop)	
A11	Accelerator Pedal Position Sensor	90980-11232	D13	Door Courtesy SW (Passenger's Side)	90980-10871
A13	ABS Actuator	90980-11413	E 1	EFI Water Temp. Sensor	90980-11451
A14	ABS Actuator	90980-11698		Water Temp. Sender	
A15	ABS Speed Sensor Rear LH (Except GVWR 5.5t)	90980-11073	E 2	Engine Oil Level Warning SW	90980-10532
	ABS Speed Sensor Rear LH (GVWR 5.5t)	90980-11773	E 3	Exhaust Brake Solenoid	90980-10923
A16	ABS Speed Sensor Rear RH (Except GVWR 5.5t)	90980-11073	E 4	Engine ECU	90980-11421
	ABS Speed Sensor Rear RH (GVWR 5.5t)	90980-11773	E 5	Engine ECU	90980-11476
A17	Airbag Sensor Assembly	90980-11872	E 6	Engine ECU	90980-11637
A18	Airbag Sensor Front	90980-11856	E 7	Engine ECU	90980-11638
A19	Airbag Squib (Steering Wheel Pad)	90980-11884	E 8	Exhaust Brake Accelerator Pedal SW	90980-10825
B 1	Back-Up Light SW	90980-11250	E 9	Exhaust Brake Clutch SW	90980-10935
B 2	Brake Vacuum Warning SW	90980-11252	E10	EDU	90980-11024
B 3	Blower Motor	90980-10214	E11	EFI Water Temp. Sensor	90980-11062
B 4	Blower Resistor	90980-10171	E12	Engine Speed Sensor	90980-11250
B 5	Brake Fluid Level Warning SW	90980-10214	E13	ES Start Main SW	90980-10908
B 6	Brake Vacuum Warning Buzzer	90980-10825	E14	ES Start Timing SW	90980-10801
B 7	Buckle SW (Driver's Side)	90980-11212	E15	ES Start ECU	90980-11424
B 8	Brake Lock Valve	90980-10941	E16	ES Start ECU	90980-11390
C 1	Camshaft Position Sensor	90980-10598	F 1	Front Clearance Light LH	90980-11020
C 2	Condenser Fan Motor and Resistor	90980-10841	F 2	Front Clearance Light RH	
C 3	Crankshaft Position Sensor (LHD 15B-FTE)	90980-11162	F 3	Front Fog Light LH	90980-11019
	Crankshaft Position Sensor (RHD 15B-FTE, S05C-B, S05C-TA)		F 4	Front Fog Light RH	
	Crankshaft Position Sensor (S05C-TB)	90980-10598	F 5	Front Turn Signal Light LH	90980-11003
	Crankshaft Position Sensor (W04D-J)	90980-10923	F 6	Front Turn Signal Light RH	
C 4	Cigarette Lighter	90980-10760	F 7	Fuel Filter Warning SW (S05C-B, S05C-TA, S05C-TB, W04D-J)	90980-10737
C 5	Combination Meter	90980-12169		Fuel Filter Warning SW (14B, 15B-FTE)	90980-11003
C 6	Combination Meter	90980-12200	F 8	Fuel Pressure Sensor	82580-6630A
C 7	Combination SW	90980-10803	F 9	Fuel Sender	90980-10834
C 8	Combination SW	90980-11913	F10	Fuel Temp. Sensor (S05C-TB)	90980-10737
C 9	Condenser Fan Fuse	90980-10214		Fuel Temp. Sensor (15B-FTE)	90980-11062
C10	Clutch Pedal Stroke Sensor	90980-11349	F11	Flasher Relay	90980-10173
			F12	Front Side Turn Signal Light LH	90980-11019
			F13	Front Side Turn Signal Light RH	

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

Code	Part Name	Part Number	Code	Part Name	Part Number
F15	First Gear Position SW	90980-11003	J19	Junction Connector	90980-11542
F16	Front Fog Light SW	90980-10795	J20	Junction Connector	
G 1	GLOW MAIN Relay	99141-13006	J21	Junction Connector	90980-11398
G 2	GLOW MAIN Relay		J22	Junction Connector	90980-10807
G 3	GLOW MAIN Relay	90980-11299	J23	Junction Connector	90980-11542
G 4	Glow Plug	-	J24	Junction Connector	90980-11661
H 1	Headlight Beam Level Control Actuator LH	90980-11016	J25	Junction Connector	
H 2	Headlight Beam Level Control Actuator RH		J26	Junction Connector	90980-10807
H 3	Headlight LH	90980-11314	J27	Junction Connector	90980-10799
H 4	Headlight RH		J28	Junction Connector	90980-10807
H 6	Horn (Low)	90980-10619	L 1	License Plate Light LH	90980-10498
H 7	Hazard SW	90980-10801	L 2	License Plate Light RH	
H 8	Headlight Beam Level Control SW	90980-11296	M 1	Master Cylinder Pressure Sensor	90980-10845
H 9	Heater Control SW	90980-10714	N 1	Neutral Position SW	90980-11075
I 1	Injection Pump Correction Resistor	-	O 1	Oil Pressure SW (Except 14B)	90980-11363
I 2	Injector No.1	82580-7990A		Oil Pressure SW (14B)	90980-10359
I 3	Injector No.2		P 1	Pressure SW	90980-10943
I 4	Injector No.3		P 2	PTO Solenoid Valve	90980-10923
I 5	Injector No.4		P 3	PTO Transmission Neutral Position SW	90980-10887
I 6	Ignition SW	90980-11537	P 4	Power Outlet (Room)	90980-10171
I 7	Interior Light	90980-11918	P 5	PTO Clutch SW	90980-10860
I 8	Injection Pump (14B)	90980-10690	P 6	PTO SW or Short Pin	90980-10997
	Injection Pump (15B-FTE)	90980-11028	P 7	Parking Brake SW	90980-10795
I 9	Intake Air Temp. Sensor	90980-11401	P 8	Power Outlet	90980-11178
I10	Intake Heater	99141-13006	P 9	Power Window Control SW (Passenger's Side)	90980-10631
I11	Integration Relay	90980-10819		P10	Power Window Master SW
J 1	Junction Connector	90980-10830	P11	Power Window Motor (Driver's Side)	90980-11003
J 2	Junction Connector	90980-11542	P12	Power Window Motor (Passenger's Side)	
J 3	Junction Connector		P13	Power Steering Oil Pressure SW	90980-11428
J 4	Junction Connector		P14	Parking Light SW or Short Pin	90980-10045
J 5	Junction Connector		P15	Pre-Heating Timer (S05C-B)	90980-10045
J 6	Junction Connector			Pre-Heating Timer (W04D-J)	90980-11915
J 7	Junction Connector		90980-10803	P16	Pretensioner (Driver's Side)
J 8	Junction Connector (LHD)	90980-10803	R 1	Radio and Player	90980-10997
	Junction Connector (RHD)	90980-11542	R 3	Rear Combination Light LH (Completion Vehicle)	90980-11290
J 9	Junction Connector	90980-10807		Rear Combination Light LH (Except Completion Vehicle)	90980-10173
J10	Junction Connector	90980-11915	R 4	Rear Combination Light RH (Completion Vehicle)	90980-11290
J11	Junction Connector			Rear Combination Light RH (Except Completion Vehicle)	90980-10173
J12	Junction Connector	90980-11542	R 6	Reverse Warning Buzzer	90980-11156
J13	Junction Connector	90980-10803	S 1	Short Connector	82580-7980A
J14	Junction Connector	90980-10807	S 2	Short Connector	82580-8230A
J15	Junction Connector	90980-11542			
J16	Junction Connector	90980-10803			
J17	Junction Connector	90980-11542			
J18	Junction Connector	90980-11915			

G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number	Code	Part Name	Part Number
S 3	Speed Sensor (Combination Meter) (Except 15B-FTE)	90980-11143	W 5	Water Temp. Sender	90980-11451
	Speed Sensor (Combination Meter) (15B-FTE)	90980-10981		Water Temp. Sensor	
S 4	Starter (S05C-B, S05C-TA, S05C-TB)	-			
	Starter (W04D-J)	90980-09507			
	Starter (14B, 15B-FTE)	90980-09508			
S 5	Starter (S05C-TA, S05C-TB)	90980-11184			
	Starter (W04D-J)	99141-13006			
	Starter (14B, 15B-FTE)	90980-11184			
S 6	STARTER Relay (S05C-B, S05C-TA, W04D-J)	99141-14006			
	STARTER Relay (S05C-TB)	99141-13006			
S 7	STARTER Relay	99141-13006			
S 8	STARTER Relay	90980-11299			
S 9	Suction Control Valve No.1	90980-10720			
S10	Suction Control Valve No.2				
S11	Skid Control ECU	90980-11390			
S12	Skid Control ECU	90980-11391			
S13	Skid Control ECU	90980-11408			
S14	Skid Control ECU	90980-11392			
S15	Stop Light SW	90980-10916			
S16	Speaker LH	90980-10935			
S17	Speaker RH				
S21	Spill Valve	90980-11155			
T 1	Tilt Cab Control SW	90980-11075			
T 2	Turbo Pressure Sensor (S05C-TB)	82580-6630A			
	Turbo Pressure Sensor (15B-FTE)	90980-10845			
T 3	Tachograph	82580-7000A			
T 4	Throttle Control Motor	90980-11144			
T 5	Throttle Open SW	90980-11038			
T 6	Timing Control Valve (LHD)	90980-11153			
	Timing Control Valve (RHD)	90980-10846			
V 1	Vacuum Sensor No.1	90980-10845			
V 2	Vacuum Sensor No.2				
V 3	VSV (Intake Shutter)	90980-11149			
V 4	VRV (EGR)	90980-11162			
V 5	VSV (EGR Cut)	90980-11156			
V 6	VSV (Exhaust Brake)				
V 7	VSV (Pressure Sensor)	90980-11149			
W 1	Water Temp. SW (S05C-B, S05C-TA, S05C-TB, W04D-J)	90980-10892			
	Water Temp. SW (14B, 15B-FTE)	90980-08074			
W 2	Wiper Motor	90980-11599			
W 3	Washer Motor	90980-10214			
W 4	Water Temp. Sender (S05C-TA)	90980-11451			
	Water Temp. Sender (14B)	90980-10359			
	Water Temp. Sender (15B-FTE)	90980-11428			

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

SYSTEM INDEX

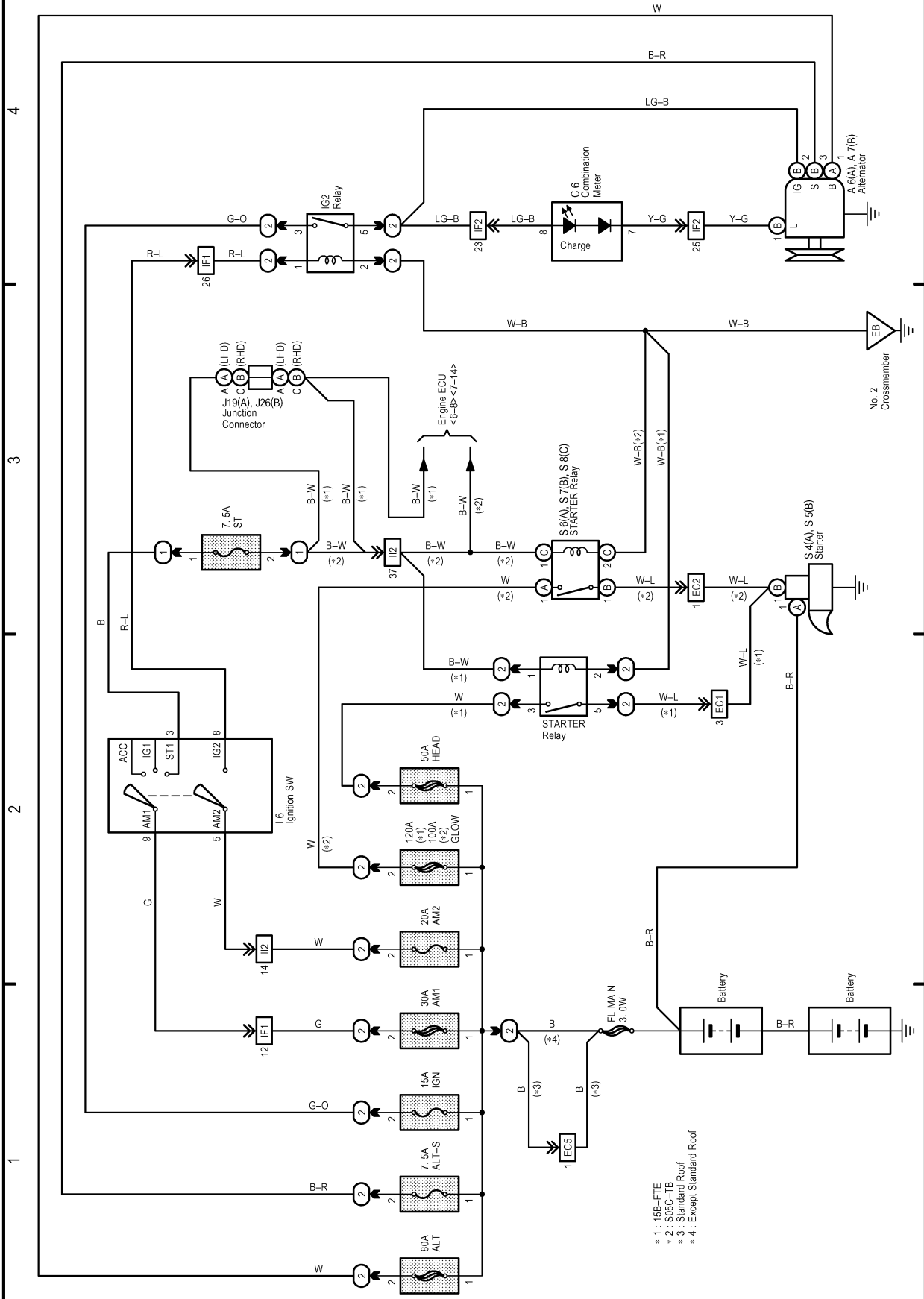
H OVERALL ELECTRICAL WIRING DIAGRAM

SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS	20-2	Horn (14B, S05C-B, S05C-TA, W04D-J)	23-4
Air Conditioner (S05C-B, S05C-TA, W04D-J)	32-4	Horn (15B-FTE, S05C-TB)	22-4
Air Conditioner (15B-FTE, S05C-TB)	31-4	Illumination (14B, S05C-B, S05C-TA, W04D-J)	13-2
Back-Up Light (14B, S05C-B, S05C-TA, W04D-J)	15-2	Illumination (15B-FTE, S05C-TB)	12-2
Back-Up Light (15B-FTE, S05C-TB)	14-2	Interior Light (14B, S05C-B, S05C-TA, W04D-J)	18-8
Charging (14B, S05C-B, S05C-TA, W04D-J)	2-4	Interior Light (15B-FTE, S05C-TB)	17-8
Charging (15B-FTE, S05C-TB)	1-4	Power Outlet	24-2
Cigarette Lighter (14B, S05C-B, S05C-TA, W04D-J)	26-2	Power Source	1-32-1
Cigarette Lighter (15B-FTE, S05C-TB)	25-2	Power Window	19-2
Combination Meter (14B, S05C-B, S05C-TA, W04D-J)	28-2	PTO (14B, S05C-B, S05C-TA, W04D-J)	23-2
Combination Meter (15B-FTE, S05C-TB)	27-2	PTO (15B-FTE, S05C-TB)	22-2
Condenser Fan (S05C-B, S05C-TA, W04D-J)	30-2	Radio and Player (14B, S05C-B, S05C-TA, W04D-J)	26-3
Condenser Fan (15B-FTE, S05C-TB)	29-2	Radio and Player (15B-FTE, S05C-TB)	25-3
Door Lock Control	19-4	Seat Belt Warning	15-3
Engine Control (S05C-TB)	7-2	SRS	21-2
Engine Control (15B-FTE)	6-3	Starting (14B, S05C-B, S05C-TA, W04D-J)	2-2
ES Starting System	4-2	Starting (15B-FTE, S05C-TB)	1-2
Exhaust Brake (S05C-TB)	7-2	Stop Light (14B, S05C-B, S05C-TA, W04D-J)	9-4
Exhaust Brake (14B, S05C-B, S05C-TA, W04D-J)	5-2	Stop Light (15B-FTE, S05C-TB)	8-4
Exhaust Brake (15B-FTE)	6-3	Tachograph (S05C-TB)	29-4
Front Fog Light (14B, S05C-B, S05C-TA, W04D-J)	16-4	Tachograph (14B, S05C-B, S05C-TA, W04D-J)	30-4
Front Fog Light (15B-FTE, S05C-TB)	14-3	Taillight (14B, S05C-B, S05C-TA, W04D-J)	13-2
Front Heater (14B, S05C-B, S05C-TA, W04D-J)	32-2	Taillight (15B-FTE, S05C-TB)	12-2
Front Heater (15B-FTE, S05C-TB)	31-2	Turn Signal and Hazard Warning Light (14B, S05C-B, S05C-TA, W04D-J)	11-2
Glow Plug (S05C-B, W04D-J)	3-2	Turn Signal and Hazard Warning Light (15B-FTE, S05C-TB)	10-2
Headlight (14B, S05C-B, S05C-TA, W04D-J)	9-2	Wiper and Washer (14B, S05C-B, S05C-TA, W04D-J)	18-2
Headlight (15B-FTE, S05C-TB)	8-2	Wiper and Washer (15B-FTE, S05C-TB)	17-2
Headlight Beam Level Control	16-2		

Power Source

Starting (15B-FTE, S05C-TB)

Charging (15B-FTE, S05C-TB)



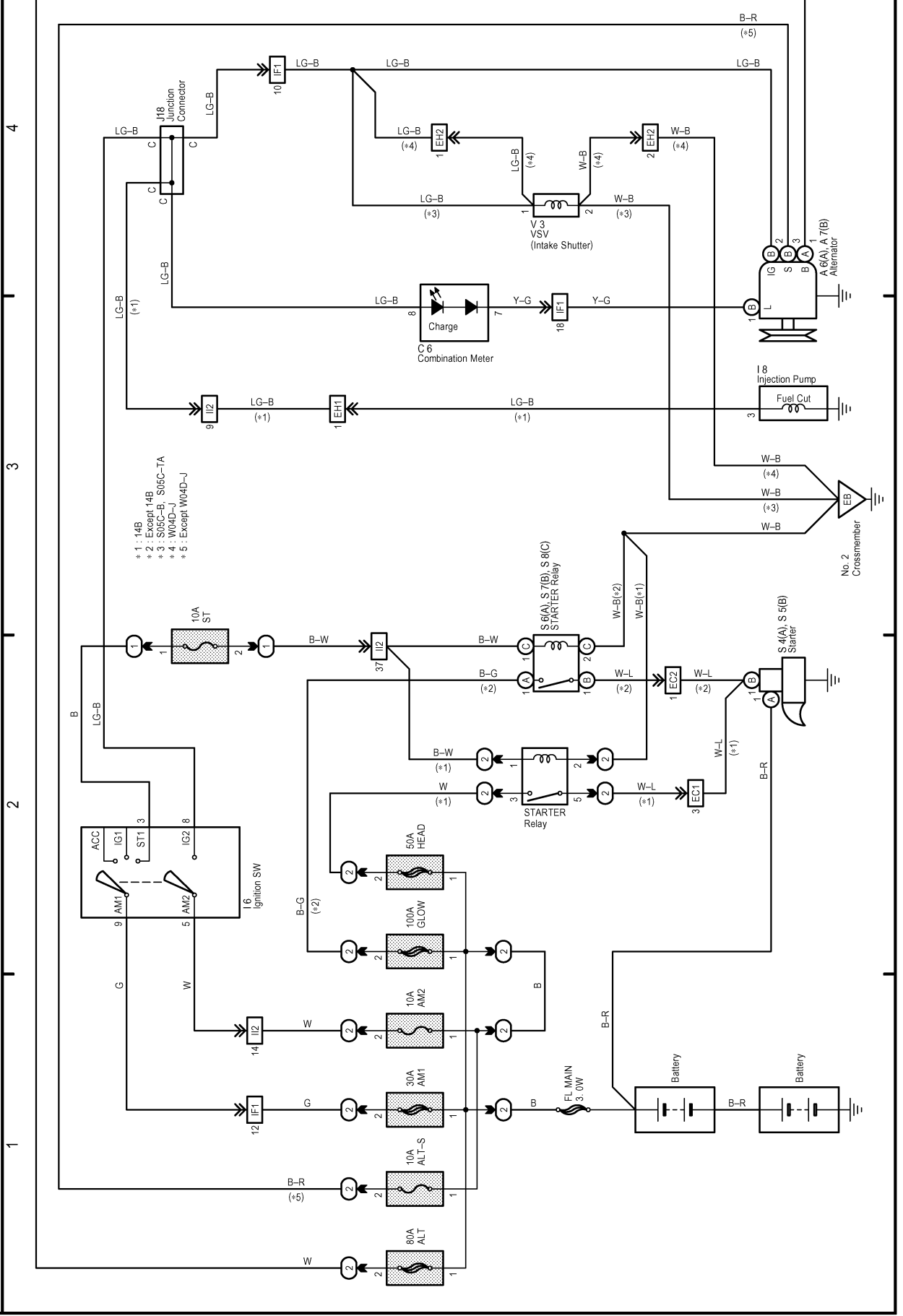
H OVERALL ELECTRICAL WIRING DIAGRAM

2 DUTRO

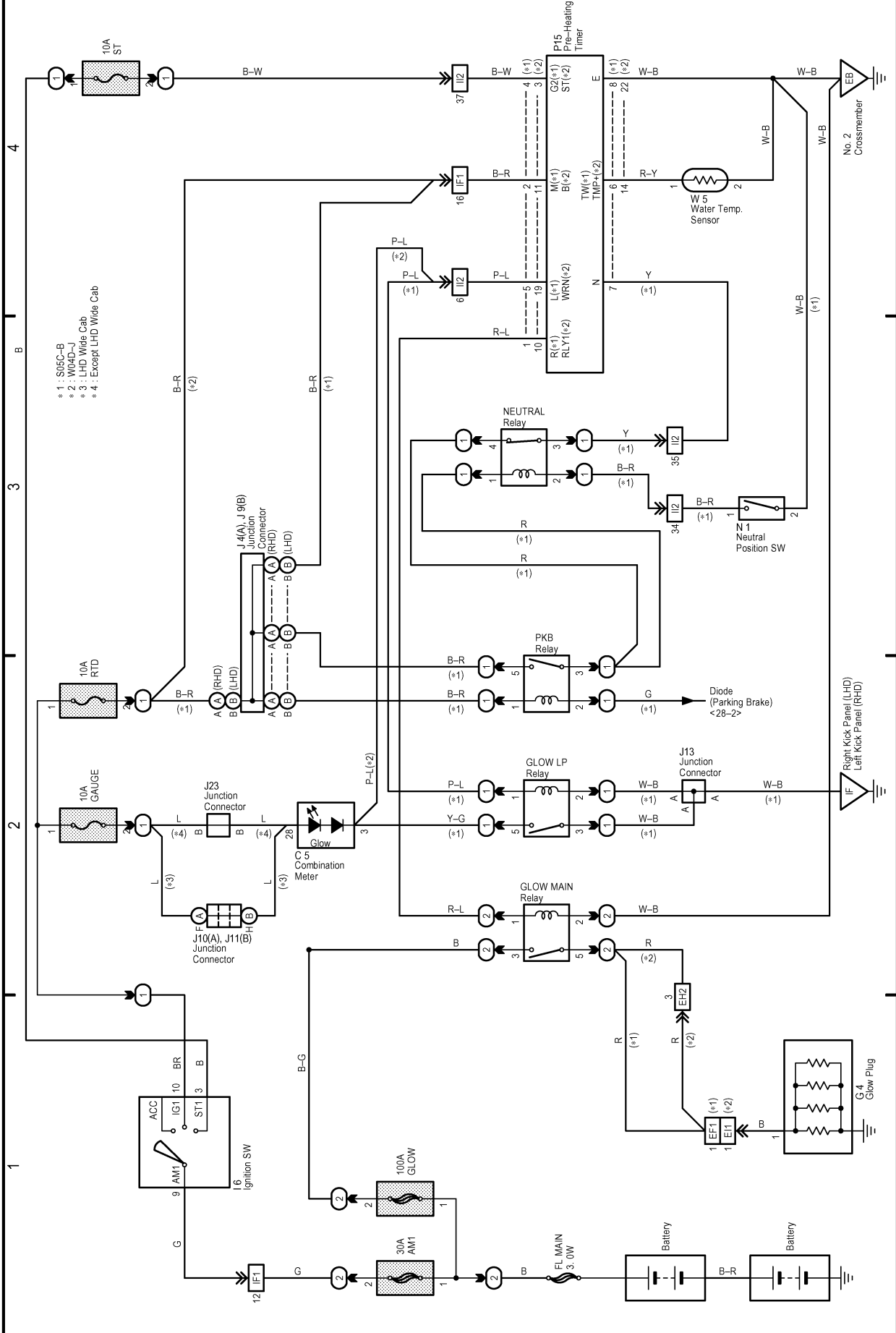
Power Source

Starting (14B, S05C-B, S05C-TA, W04D-J)

Charging (14B, S05C-B, S05C-TA, W04D-J)

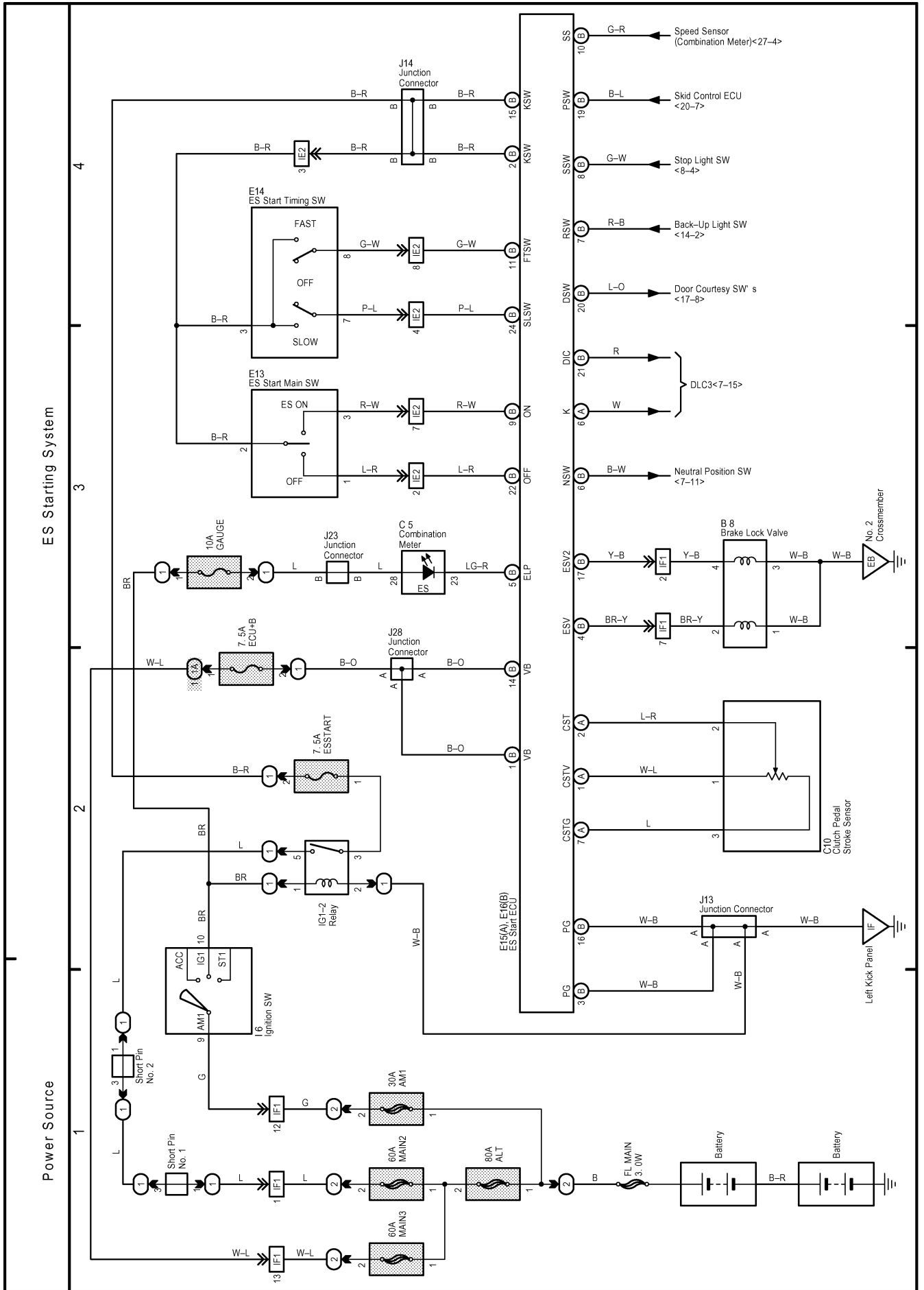


Glow Plug (S05C-B, W04D-J)



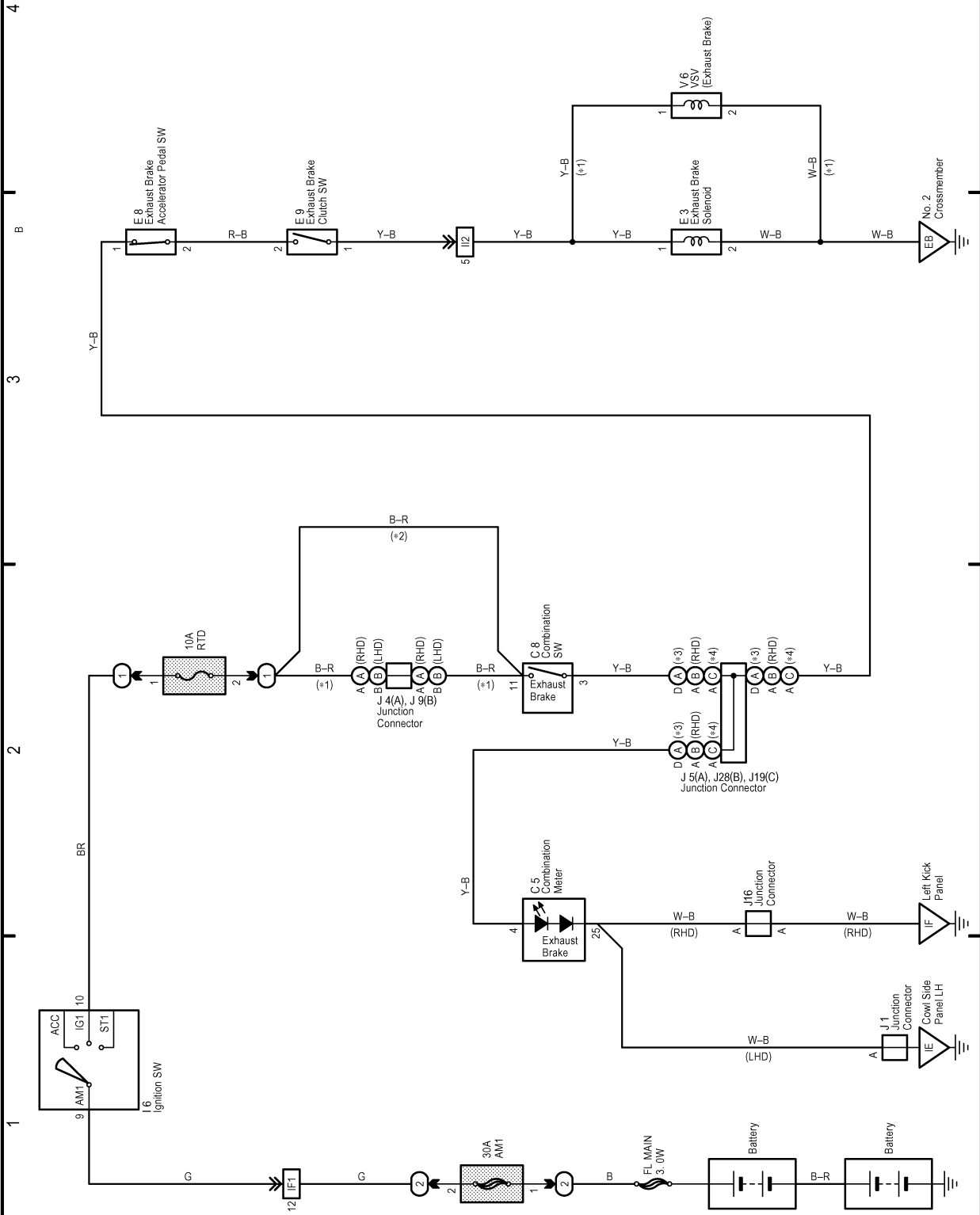
H OVERALL ELECTRICAL WIRING DIAGRAM

4 DUTRO



Exhaust Brake (14B, S05C-B, S05C-TA, W04D-J)

- * 1 : S05C-B
- * 2 : Except S05C-B
- * 3 : LHD Wide Cab
- * 4 : LHD Standard Cab



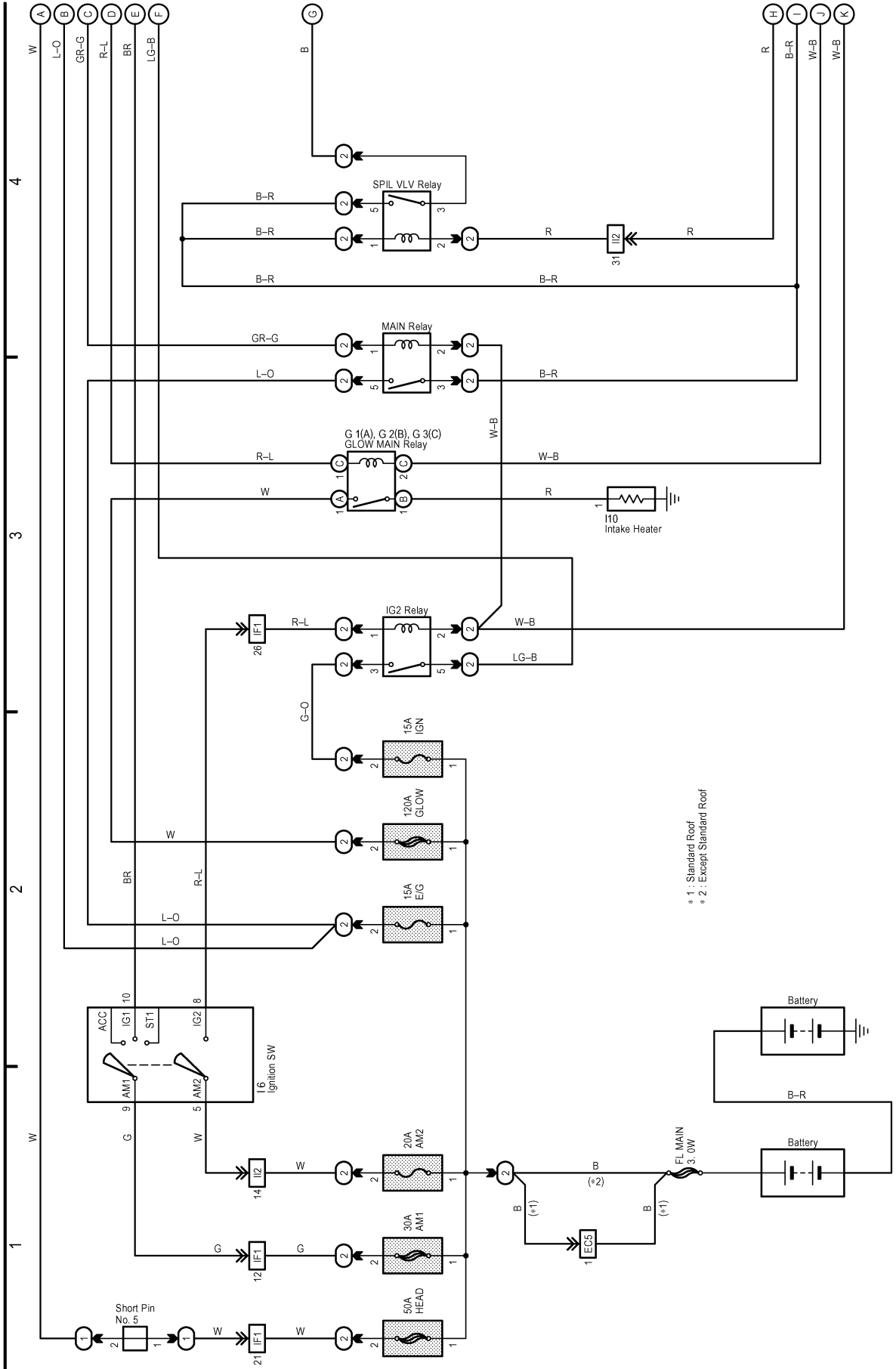
H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

6 DUTRO

Engine Control and Exhaust Brake (15B-FTE)

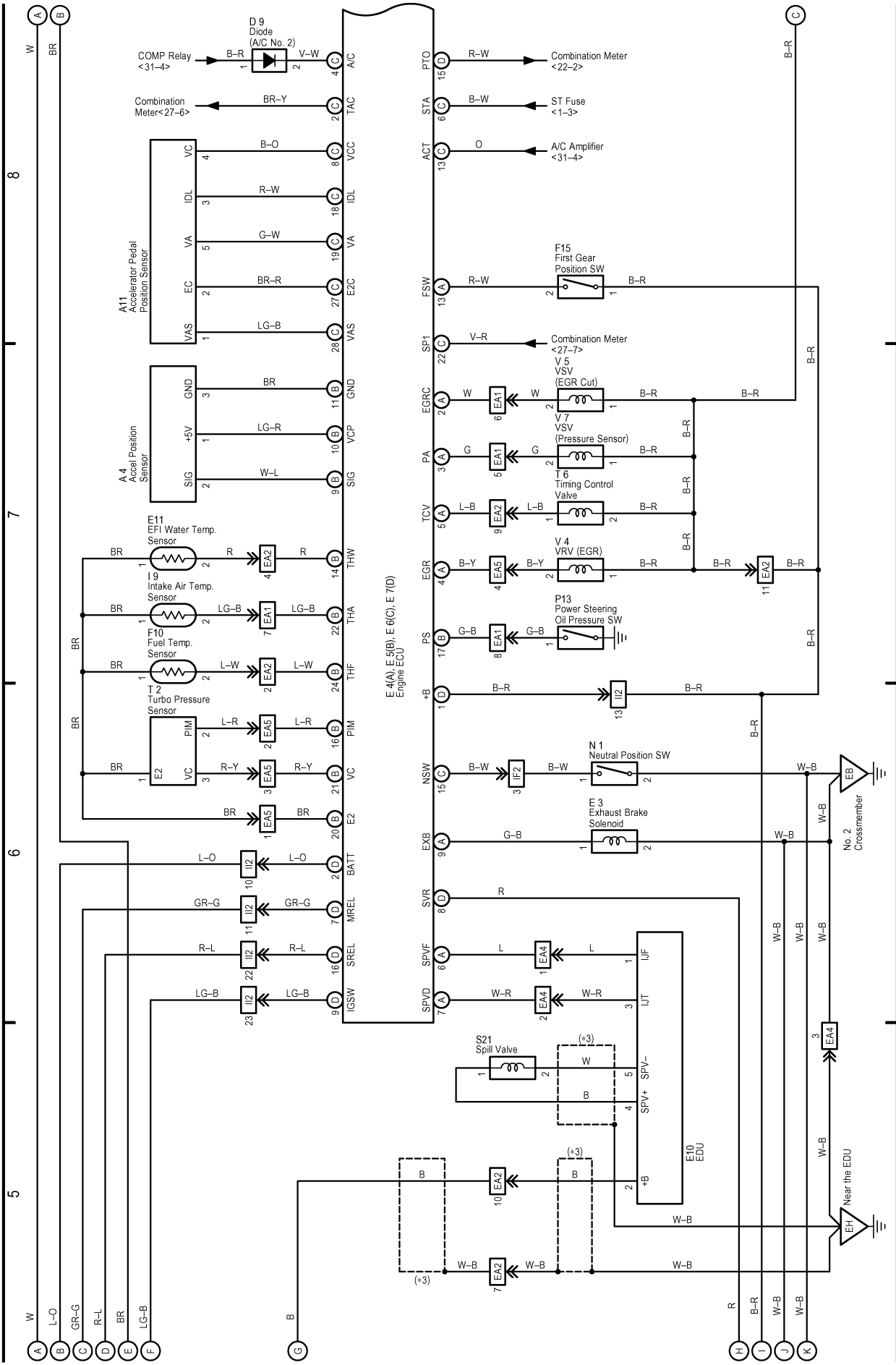
Power Source



* 1 : Standard Roof
* 2 : Except Standard Roof

Engine Control and Exhaust Brake (15B-FTE)

* 3 - Shielded

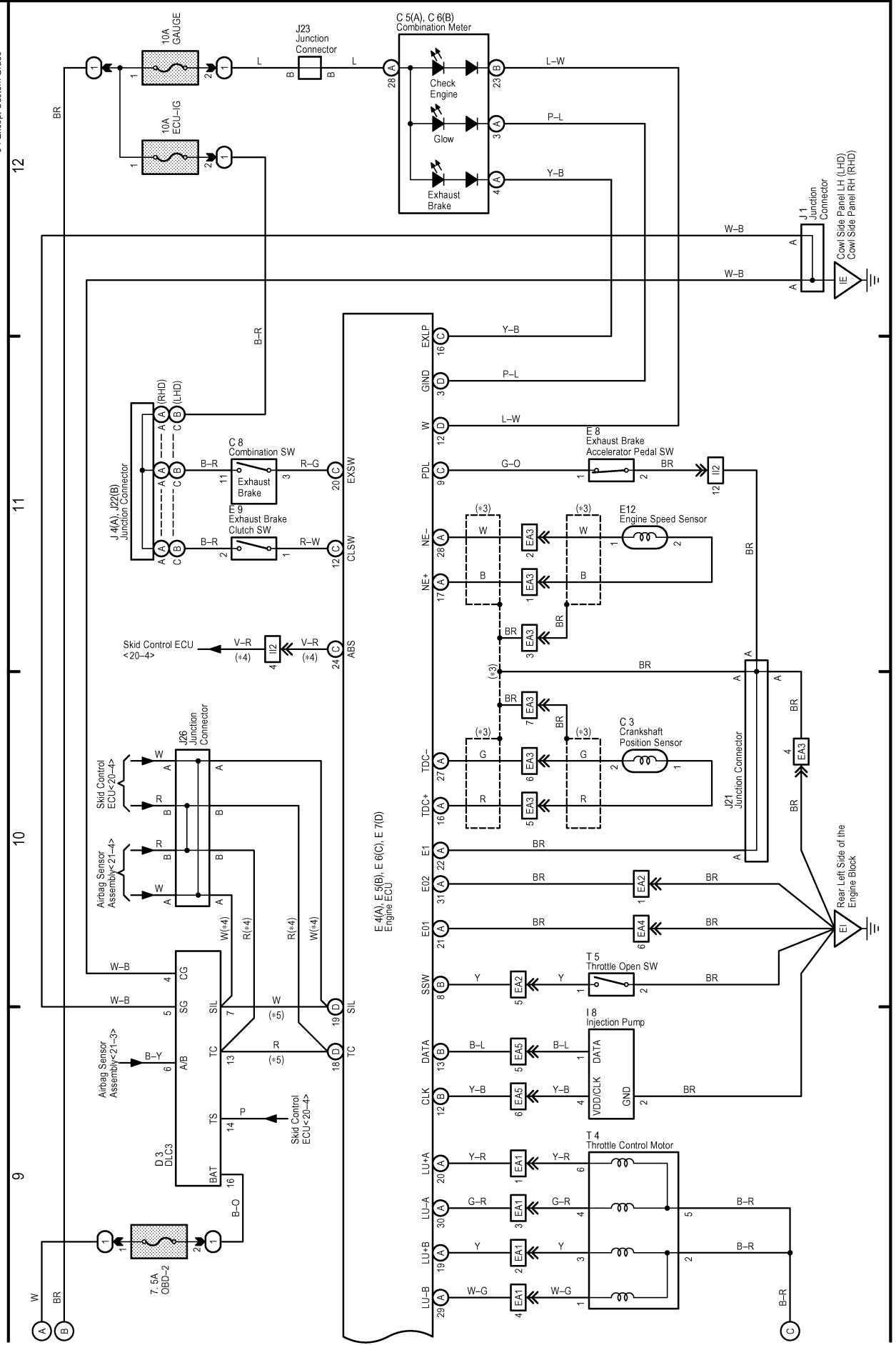


H OVERALL ELECTRICAL WIRING DIAGRAM

6 DUTRO (Cont' d)

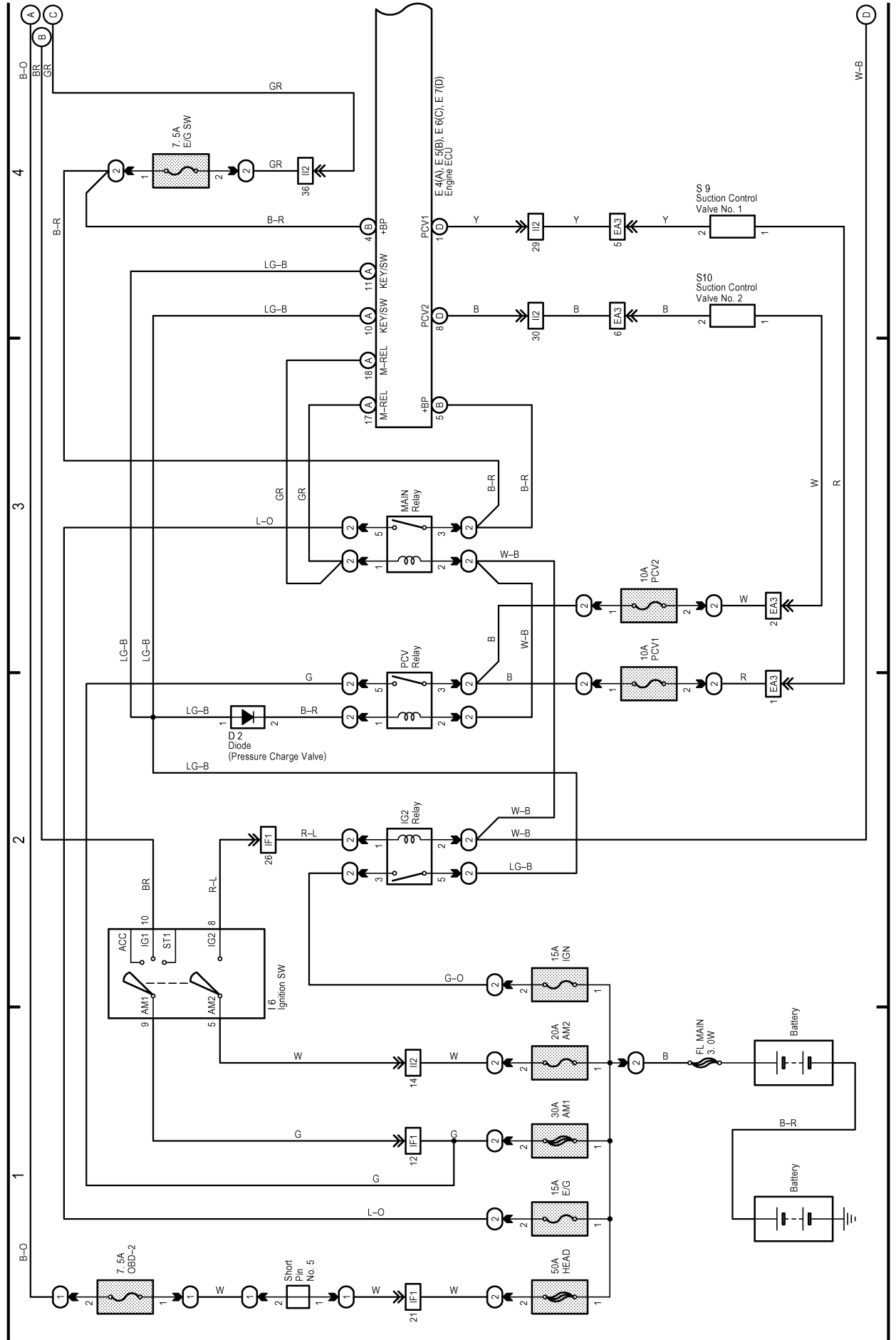
- * 3 : Shielded
- ** 4 : Custom Grade
- ** 6 : Except Custom Grade

Engine Control and Exhaust Brake (15B-FTE)

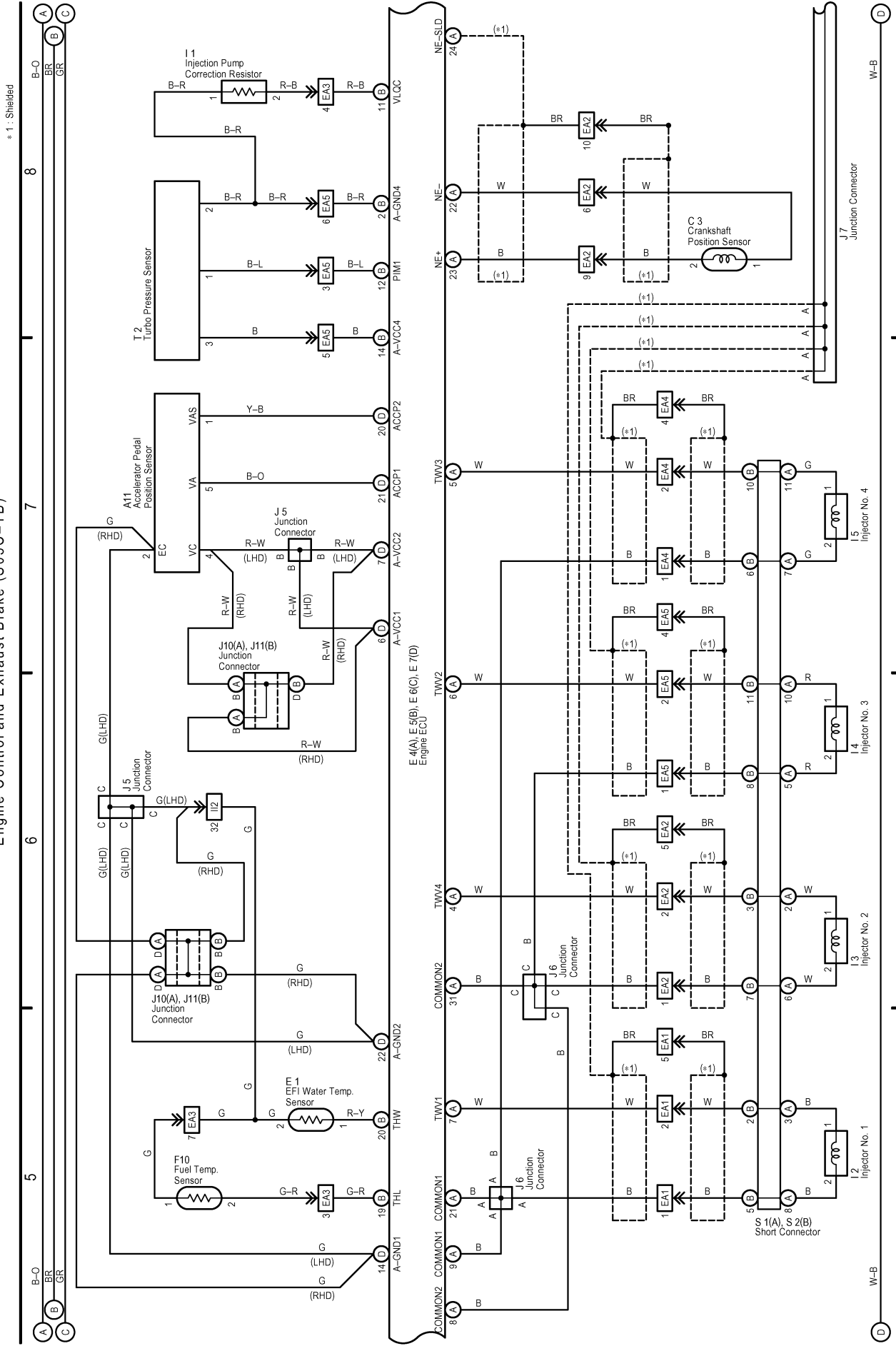


H OVERALL ELECTRICAL WIRING DIAGRAM

Engine Control and Exhaust Brake (S05C-TB)

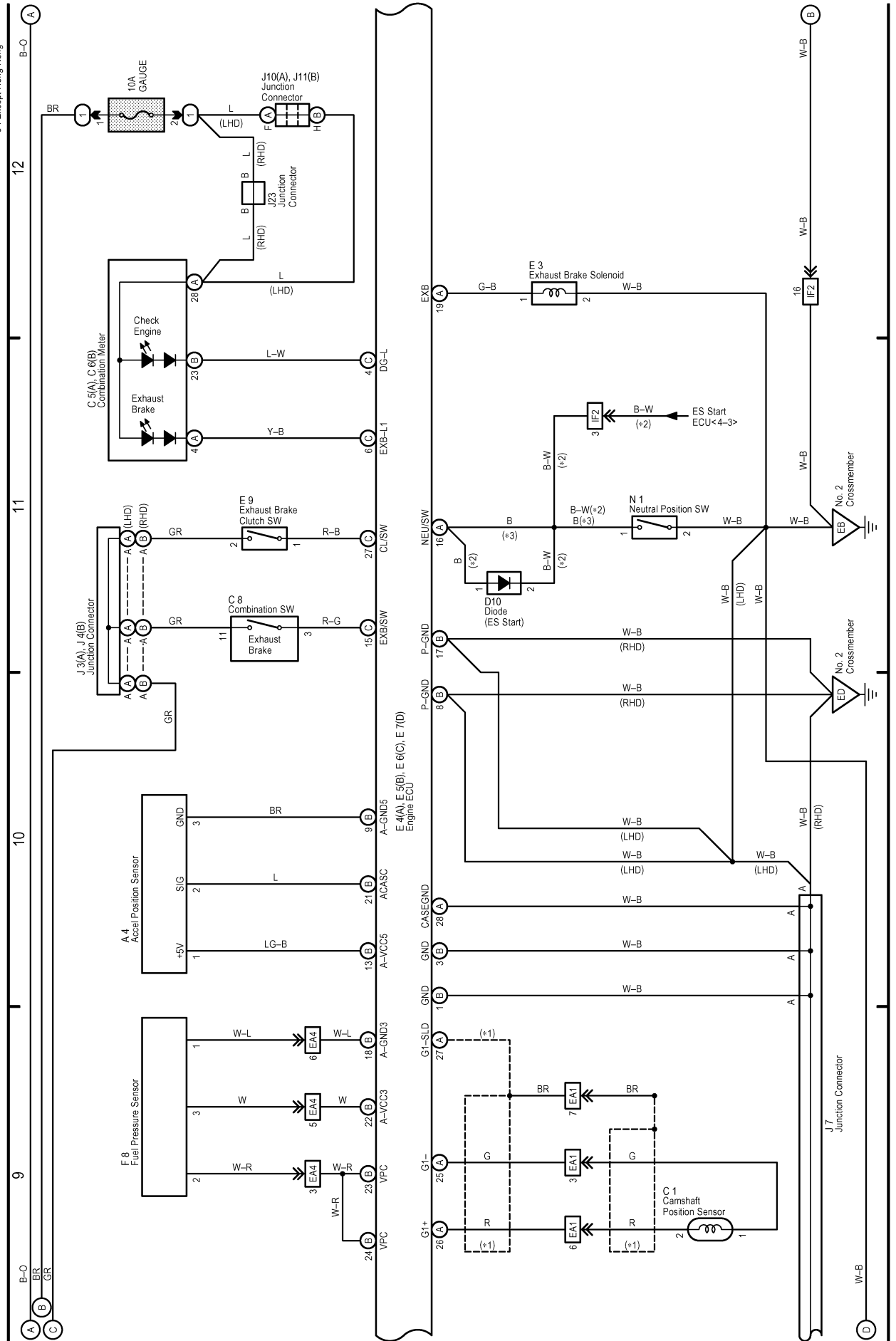


Engine Control and Exhaust Brake (S05C-TB)



* 1 : Shielded
 * 2 : Hong Kong
 * 3 : Except Hong Kong

Engine Control and Exhaust Brake (S05C-TB)



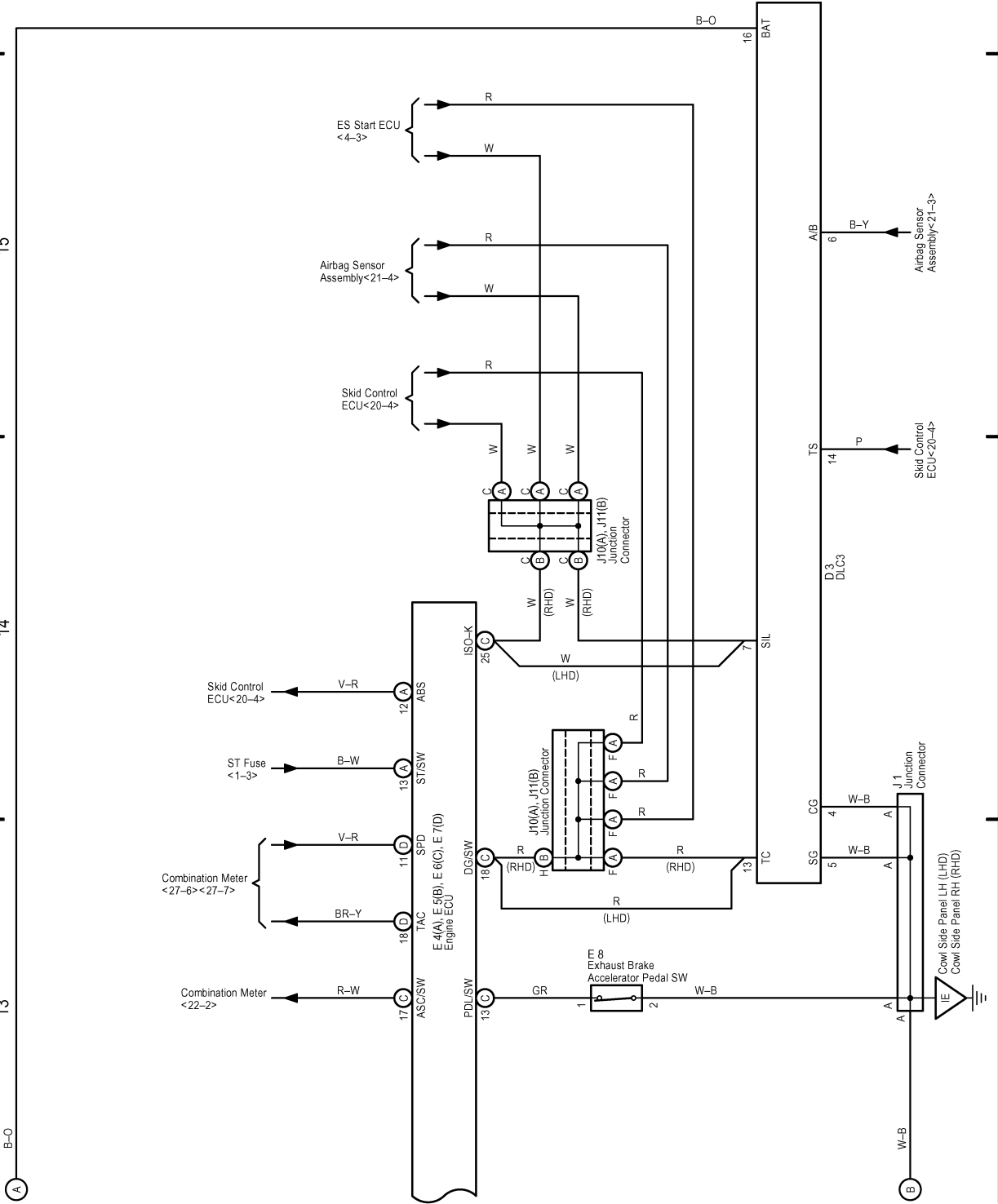
Engine Control and Exhaust Brake (S05C-TB)

16

15

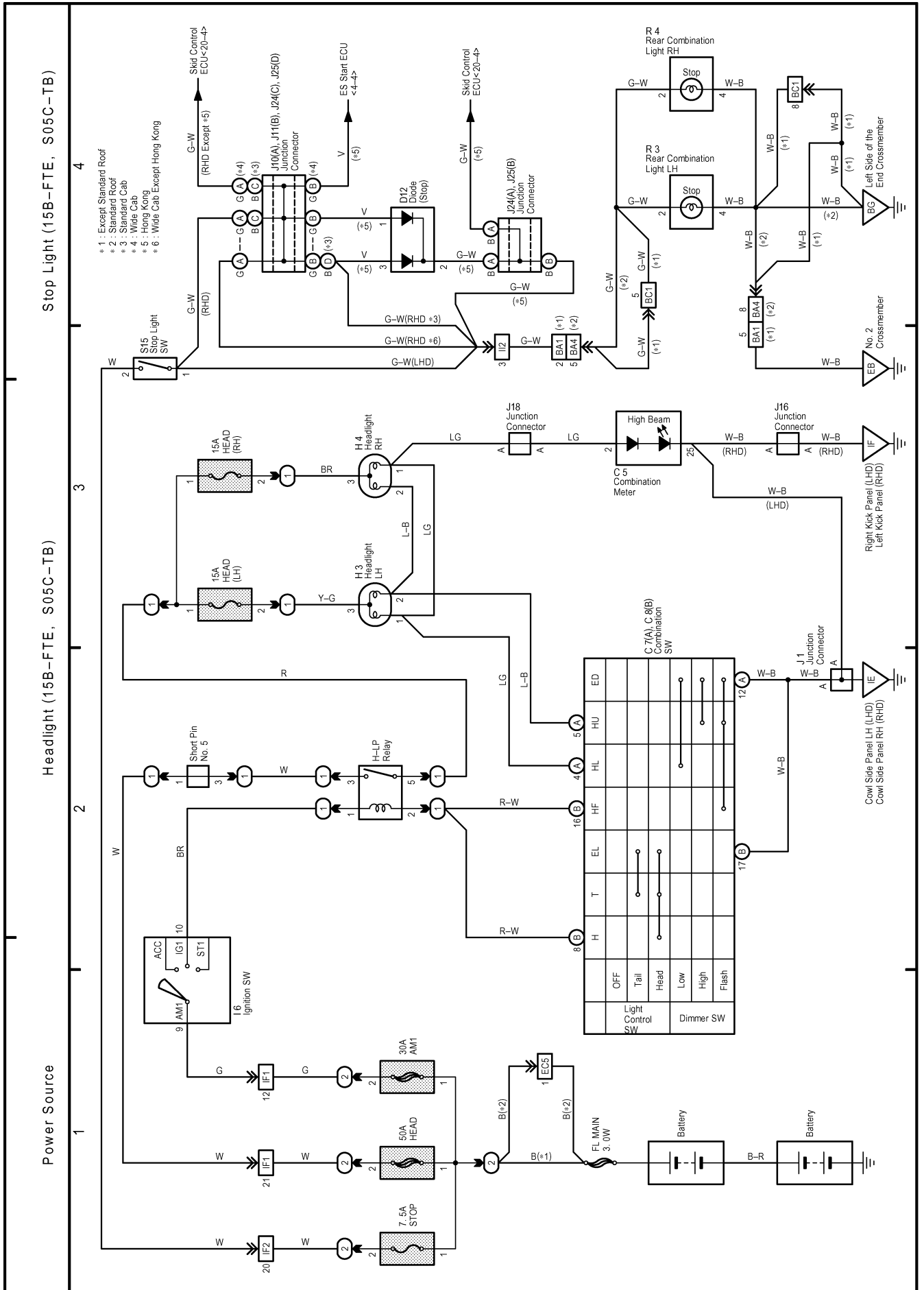
14

13

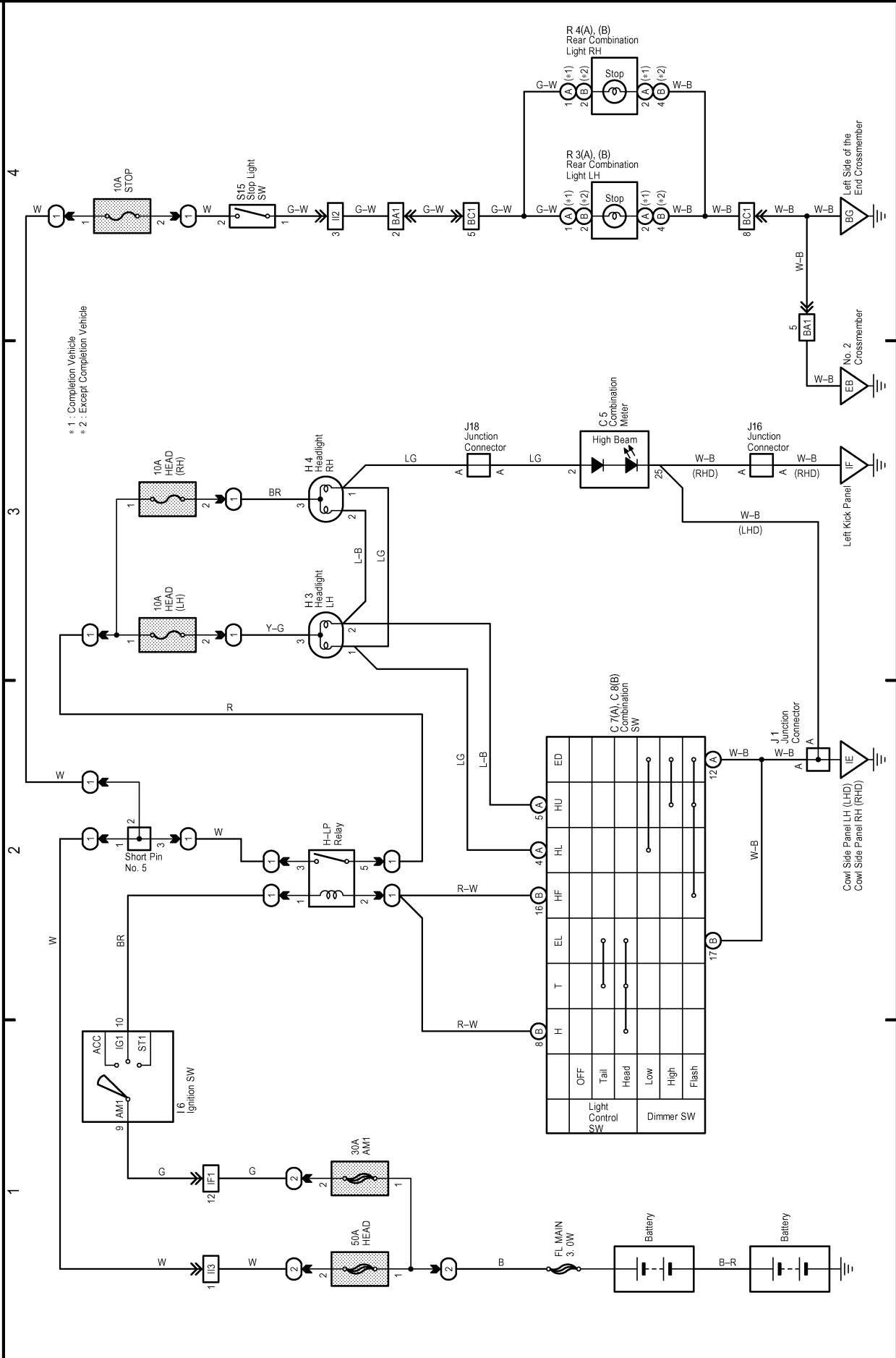


H OVERALL ELECTRICAL WIRING DIAGRAM

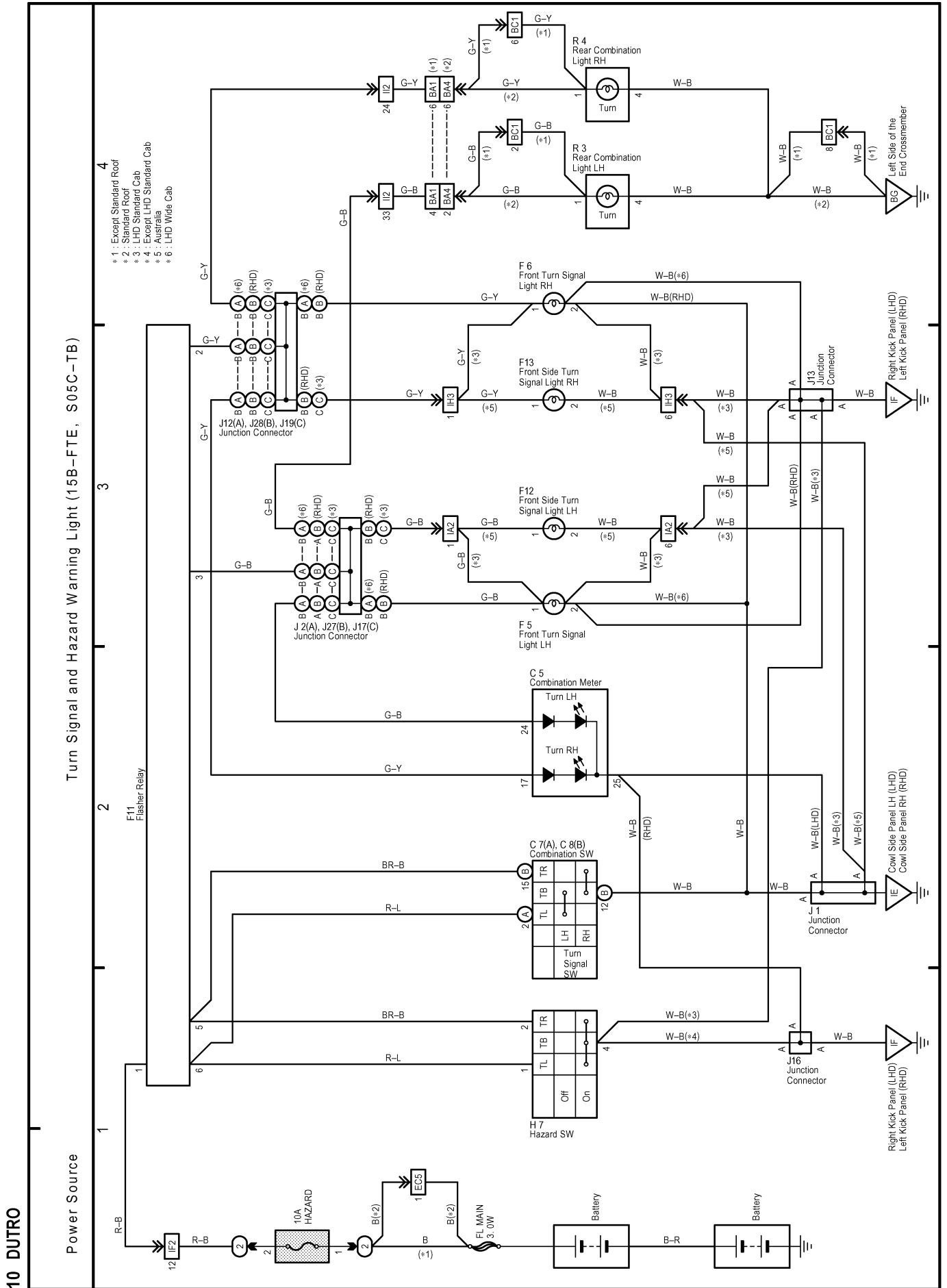
8 DUTRO



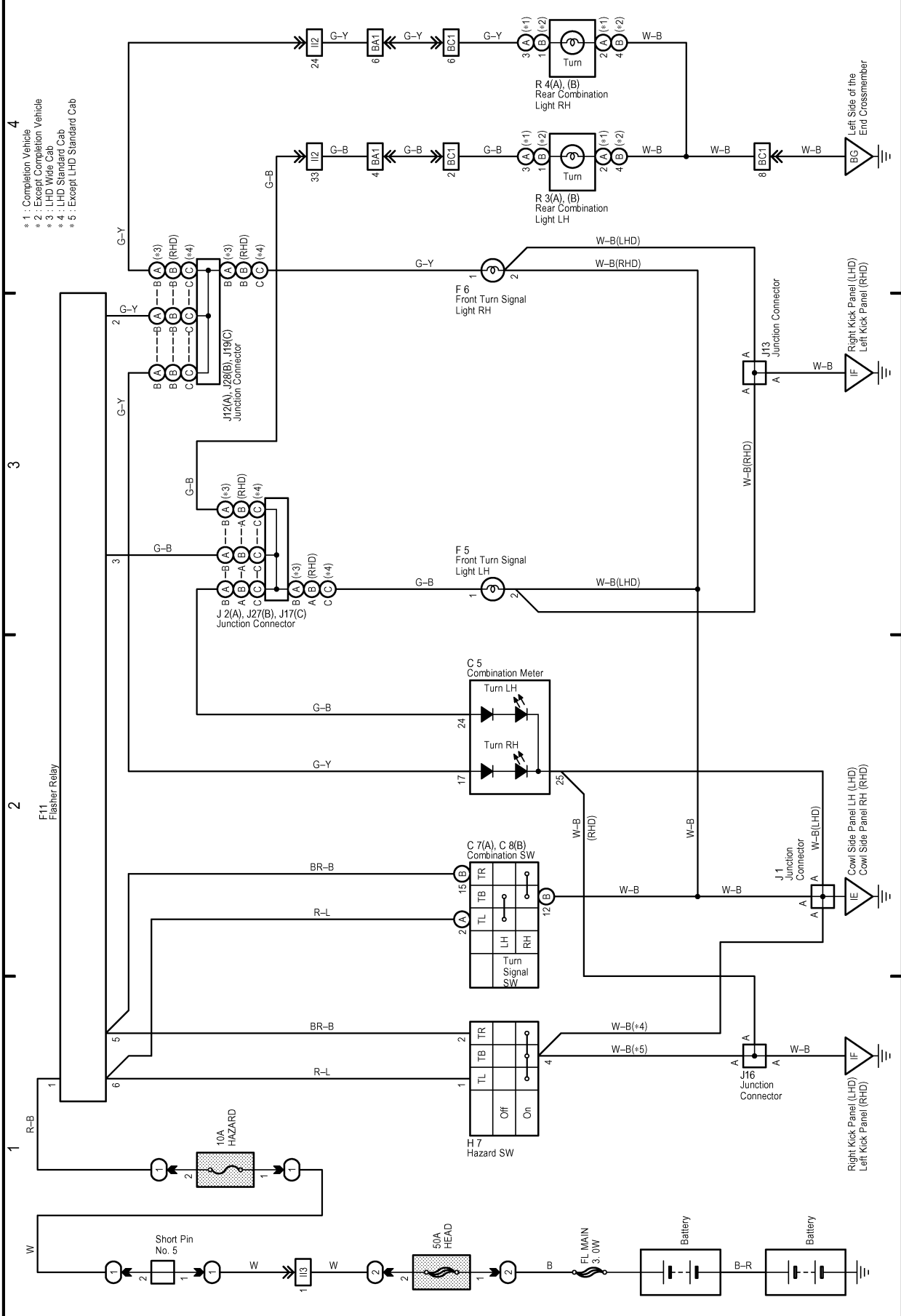
Power Source
 Headlight (14B, S05C-B, S05C-TA, W04D-J)
 Stop Light (14B, S05C-B, S05C-TA, W04D-J)



H OVERALL ELECTRICAL WIRING DIAGRAM



Turn Signal and Hazard Warning Light (14B, S05C-B, S05C-TA, W04D-J)



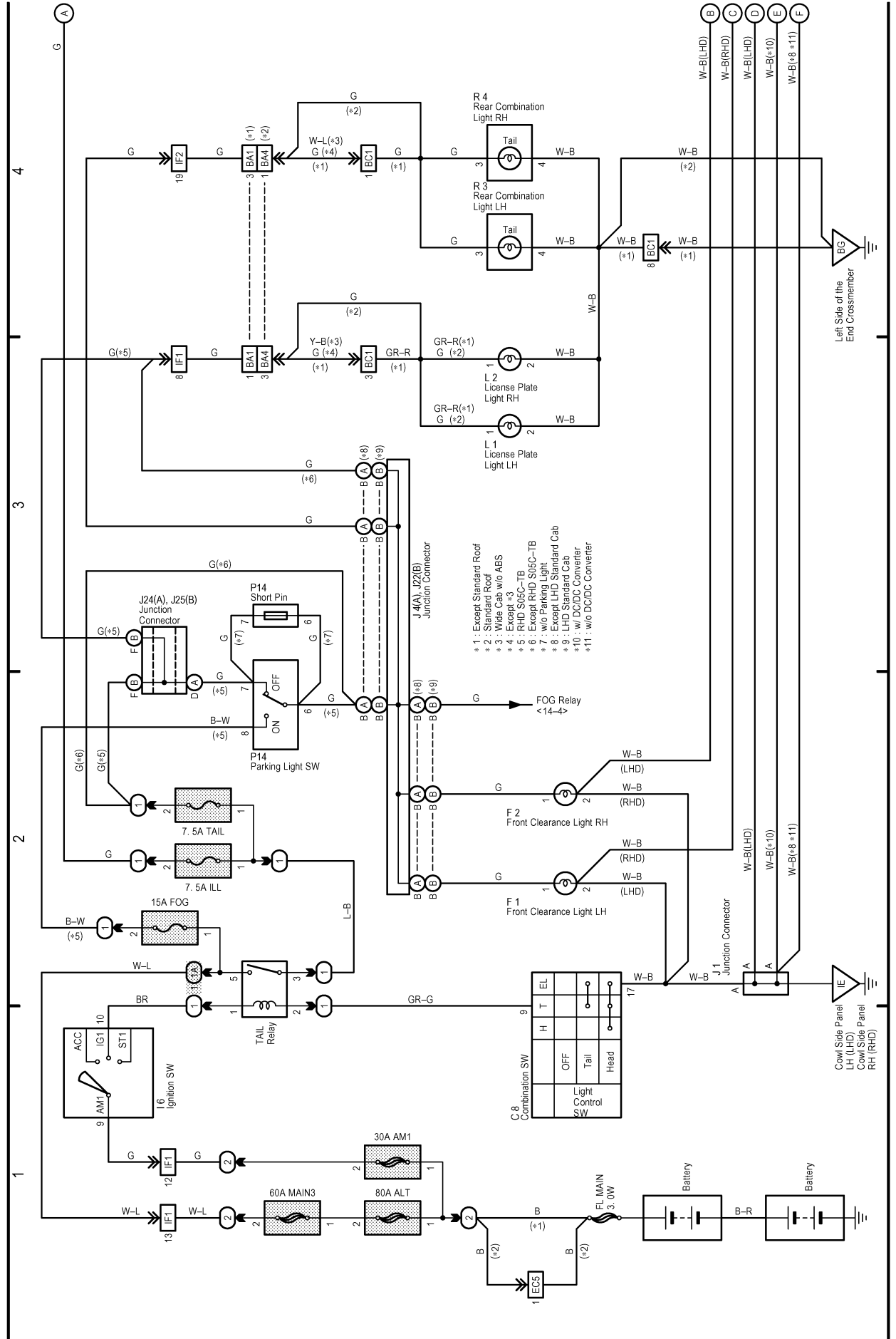
- * 1 : Completion Vehicle
- * 2 : Except Completion Vehicle
- * 3 : LHD Wide Cab
- * 4 : LHD Standard Cab
- * 5 : Except LHD Standard Cab

H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

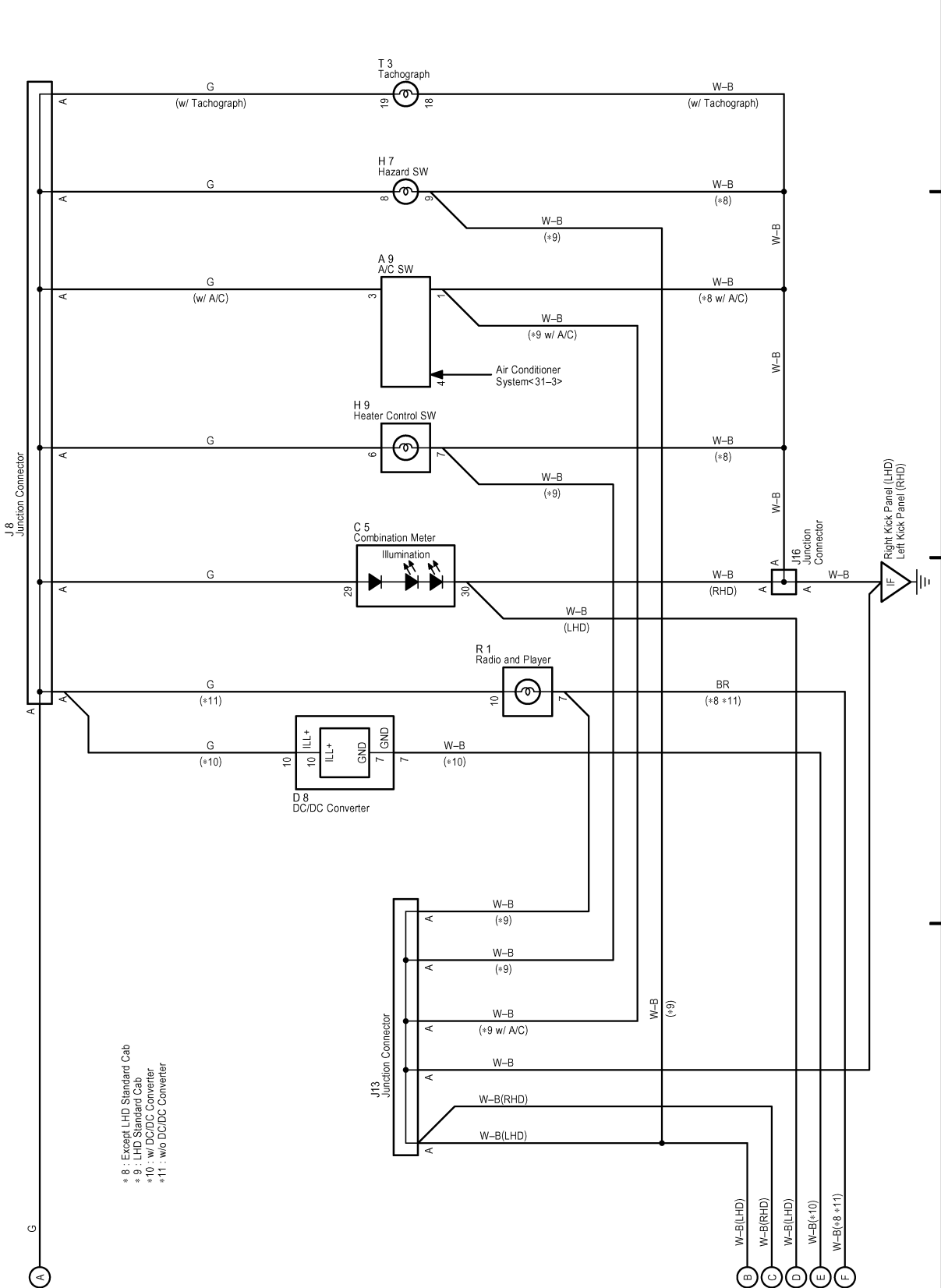
12 DUTRO

Taillight and Illumination (15B-FTE, S05C-TB)



Taillight and Illumination (15B-FTE, S05C-TB)

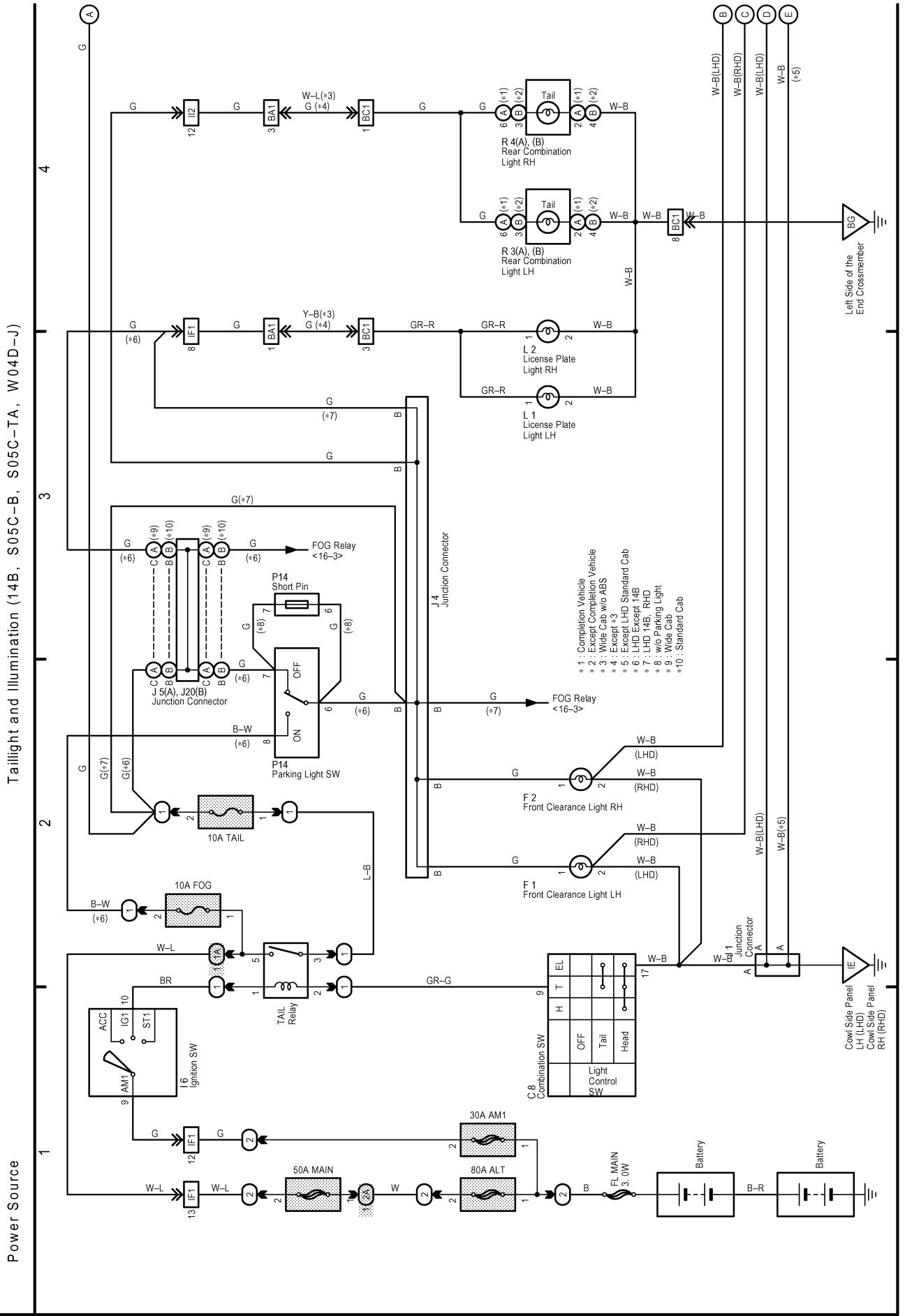
8
7
6
5



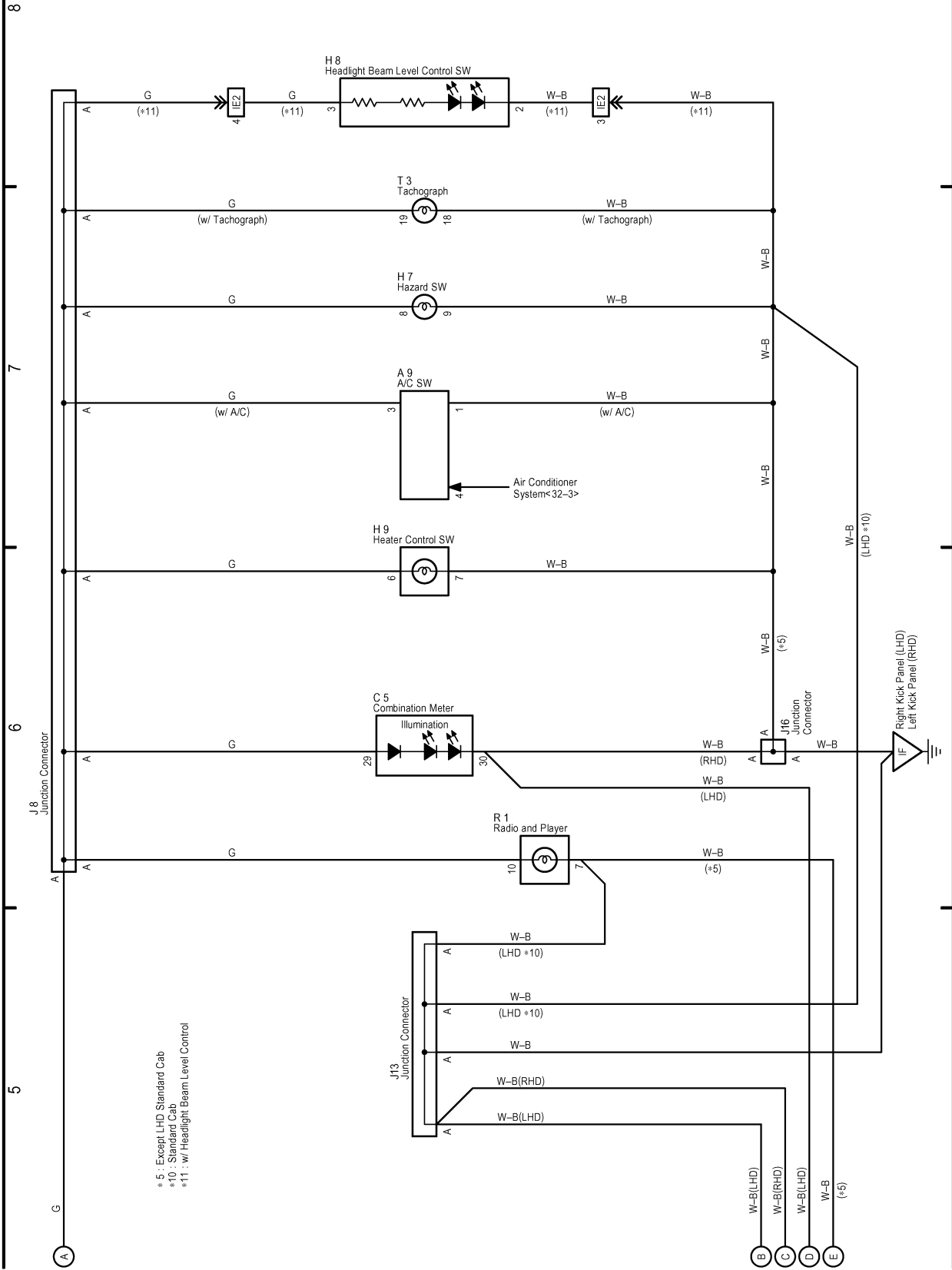
H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

13 DUTRO



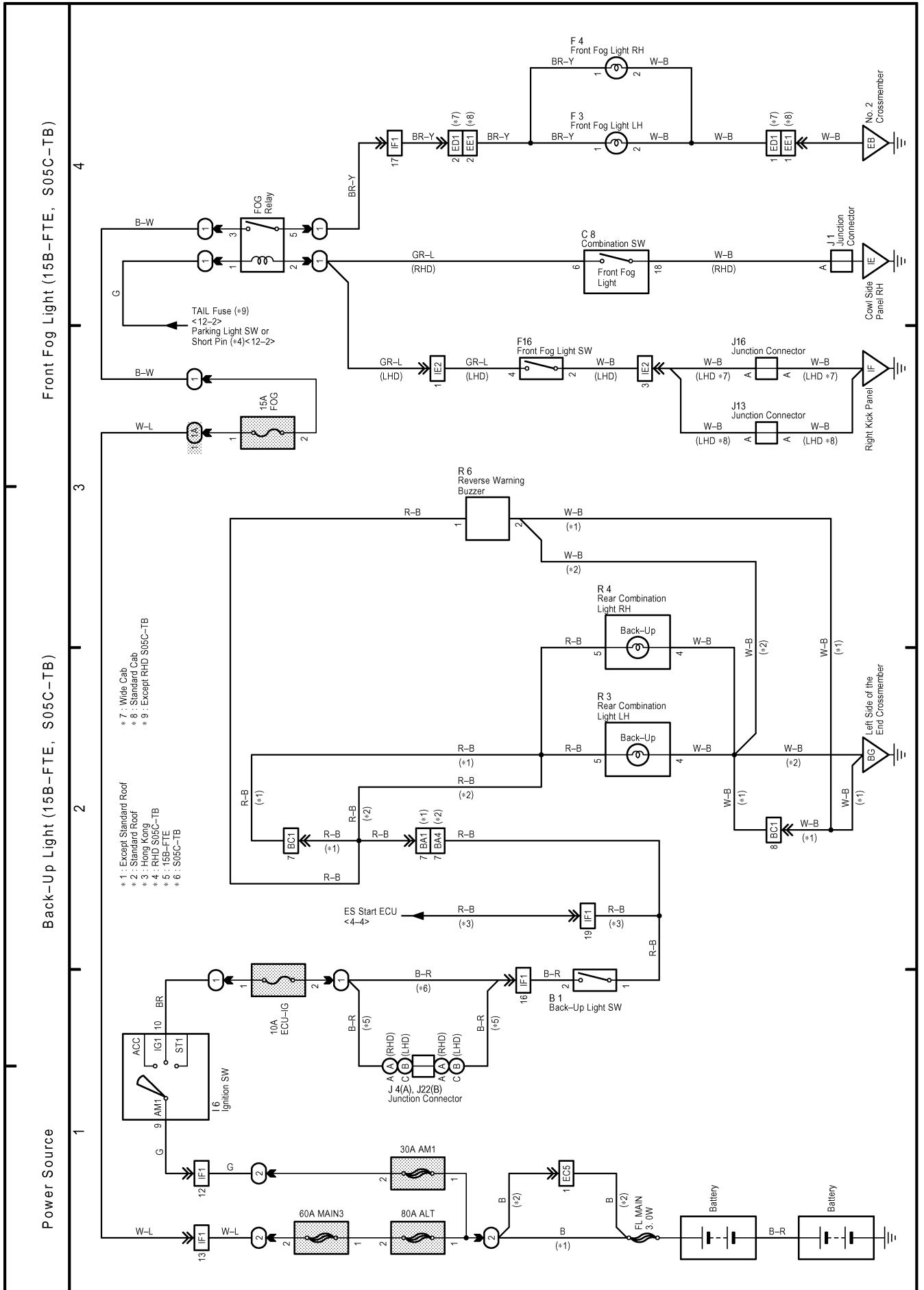
Taillight and Illumination (14B, S05C-B, S05C-TA, W04D-J)



* 5 : Except LHD Standard Cab
 *10 : Standard Cab
 *11 : w/ Headlight Beam Level Control

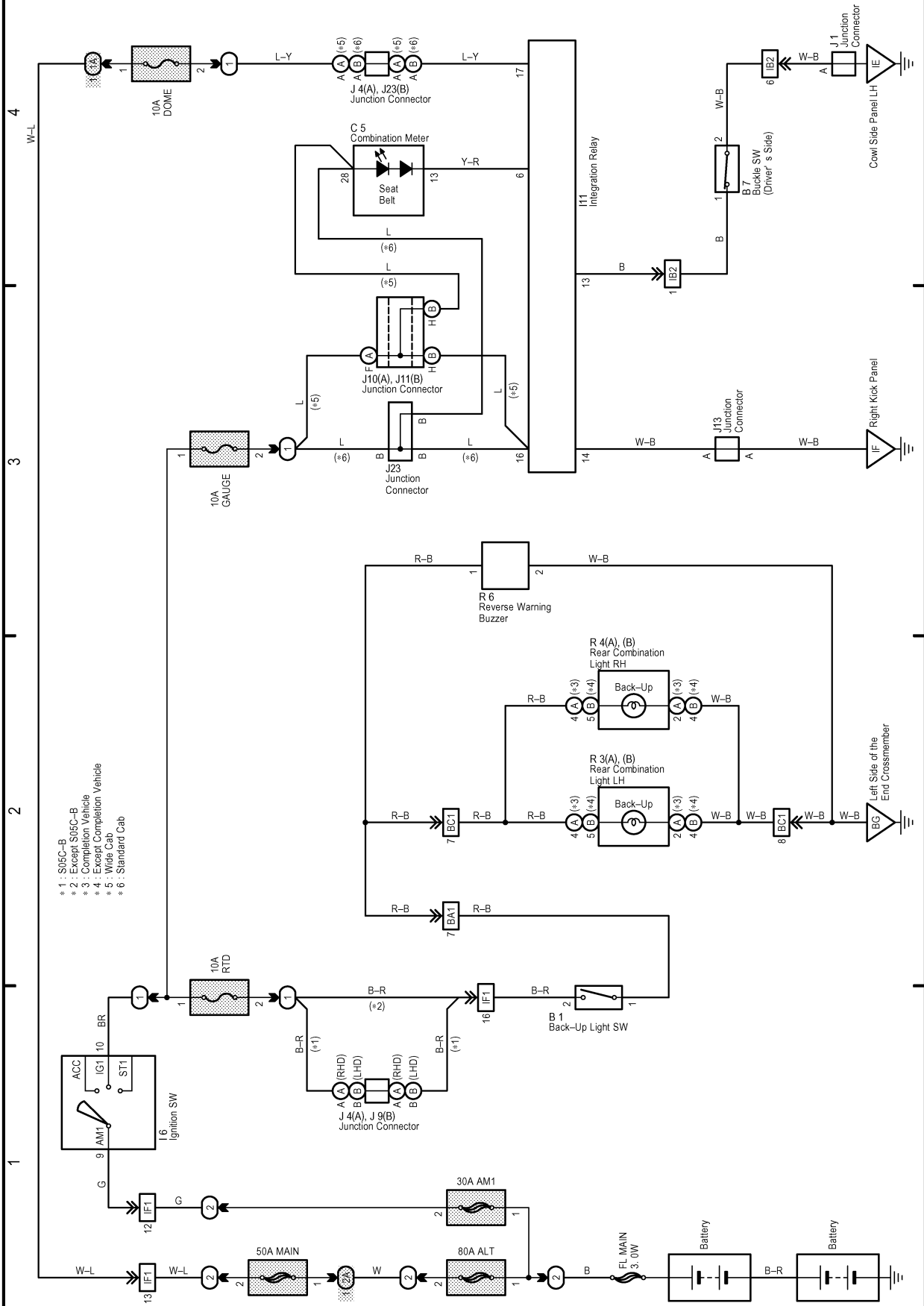
H OVERALL ELECTRICAL WIRING DIAGRAM

14 DUTRO



Back-Up Light (14B, S05C-B, S05C-TA, W04D-J)

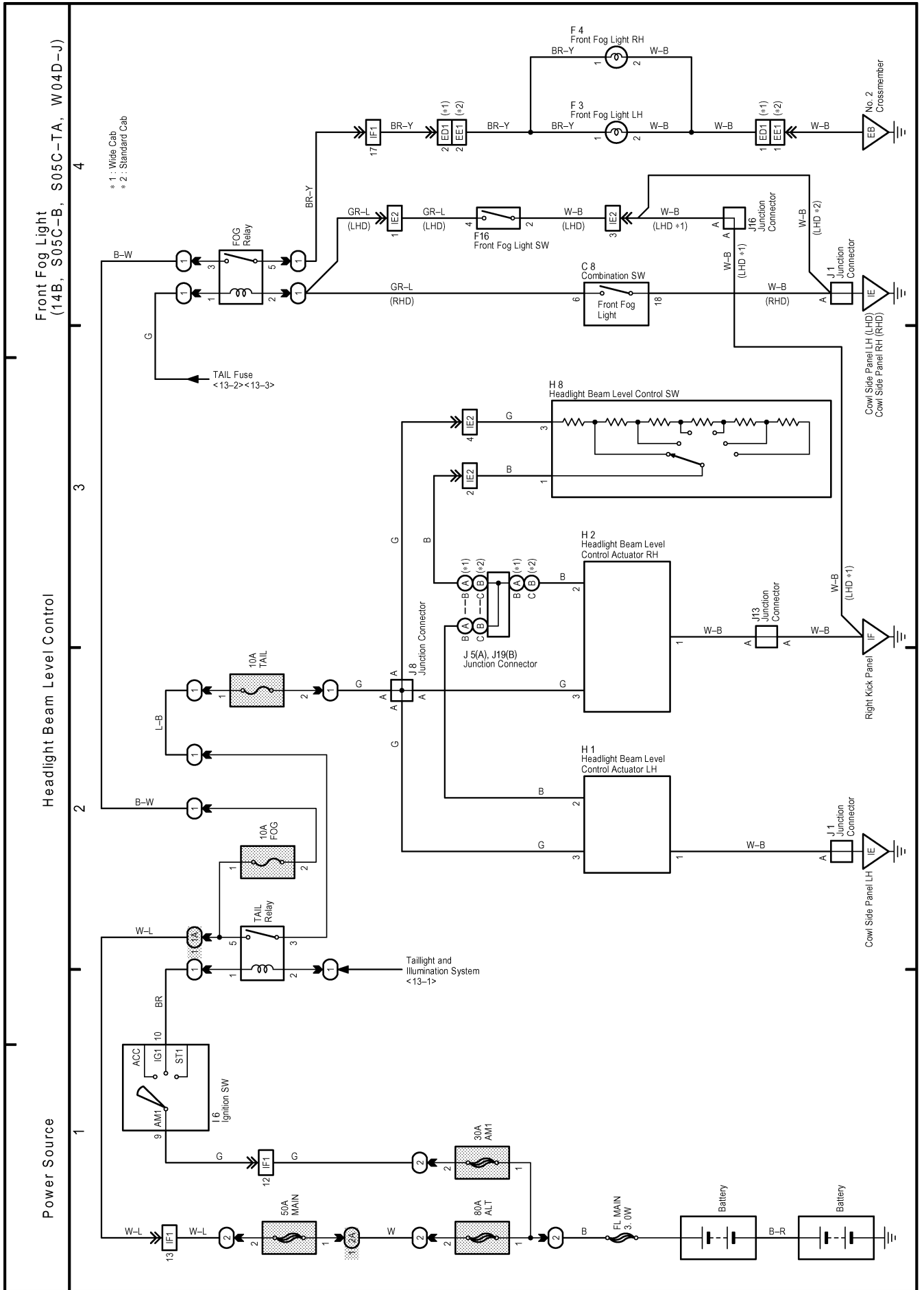
Seat Belt Warning



- * 1 : S05C-B
- * 2 : Except S05C-B
- * 3 : Completion Vehicle
- * 4 : Except Completion Vehicle
- * 5 : Wide Cab
- * 6 : Standard Cab

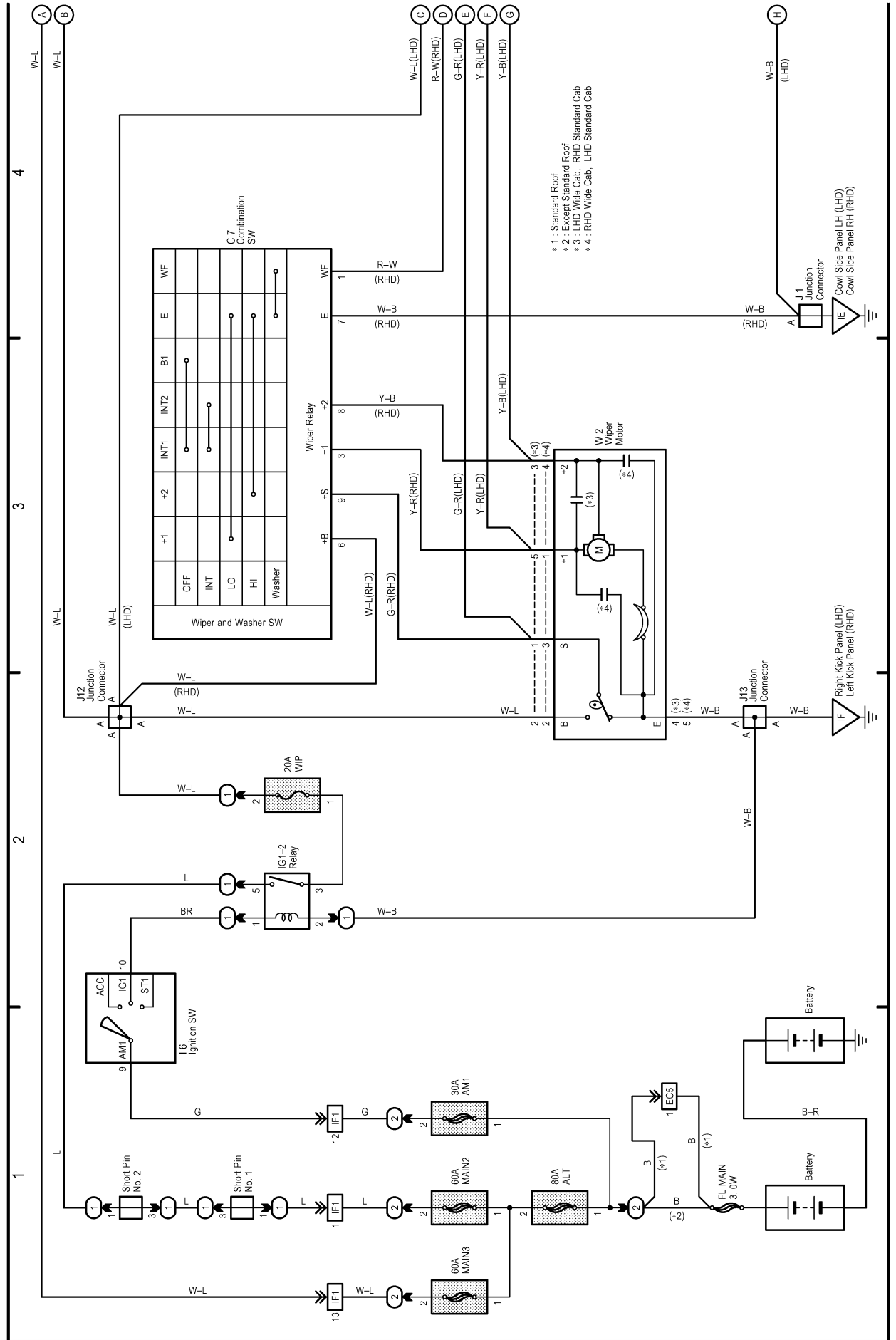
H OVERALL ELECTRICAL WIRING DIAGRAM

16 DUTRO



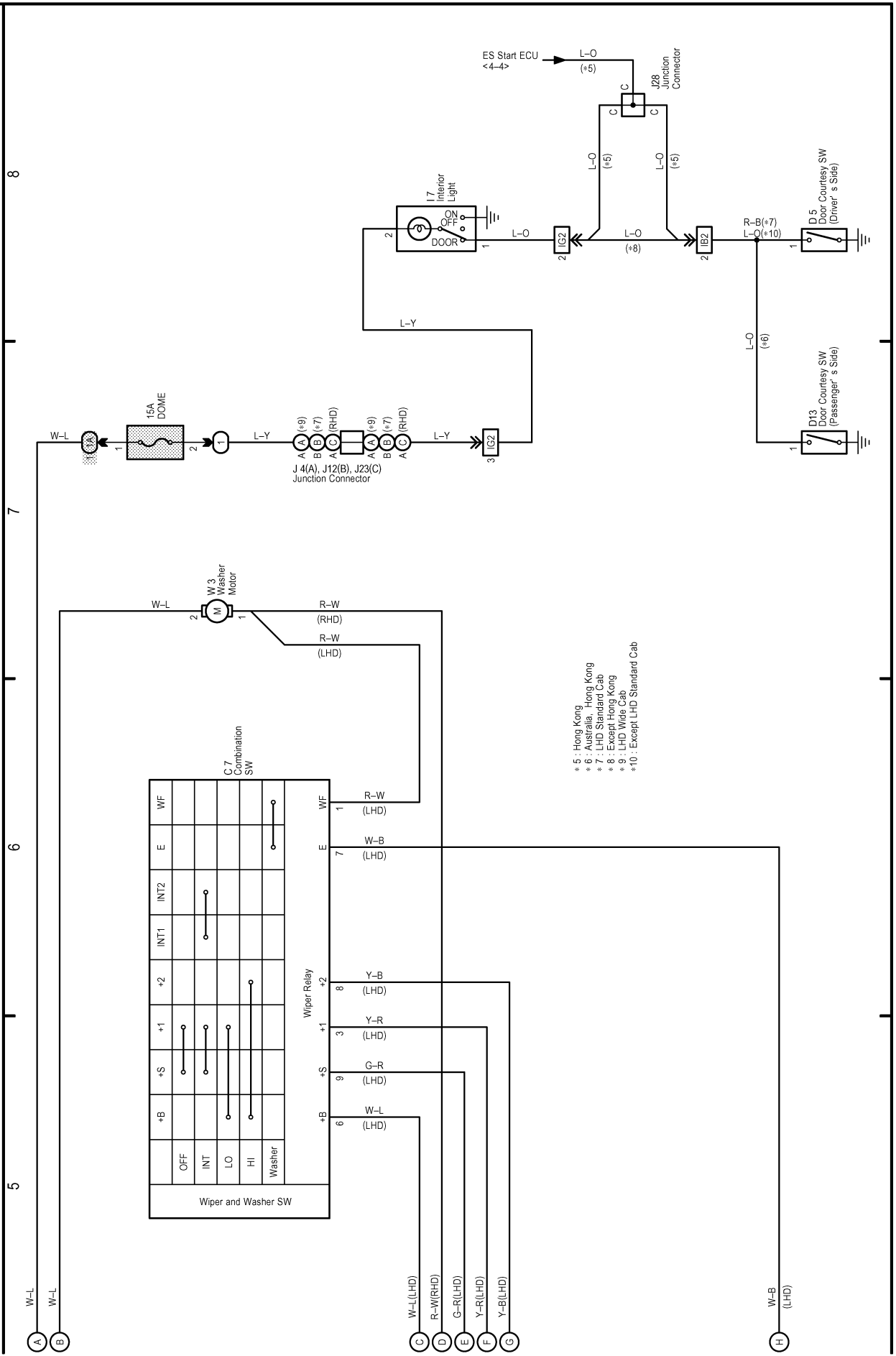
H OVERALL ELECTRICAL WIRING DIAGRAM

Wiper and Washer (15B-FTE, S05C-TB)



Wiper and Washer (15B-FTE, S05C-TB)

Interior Light (15B-FTE, S05C-TB)

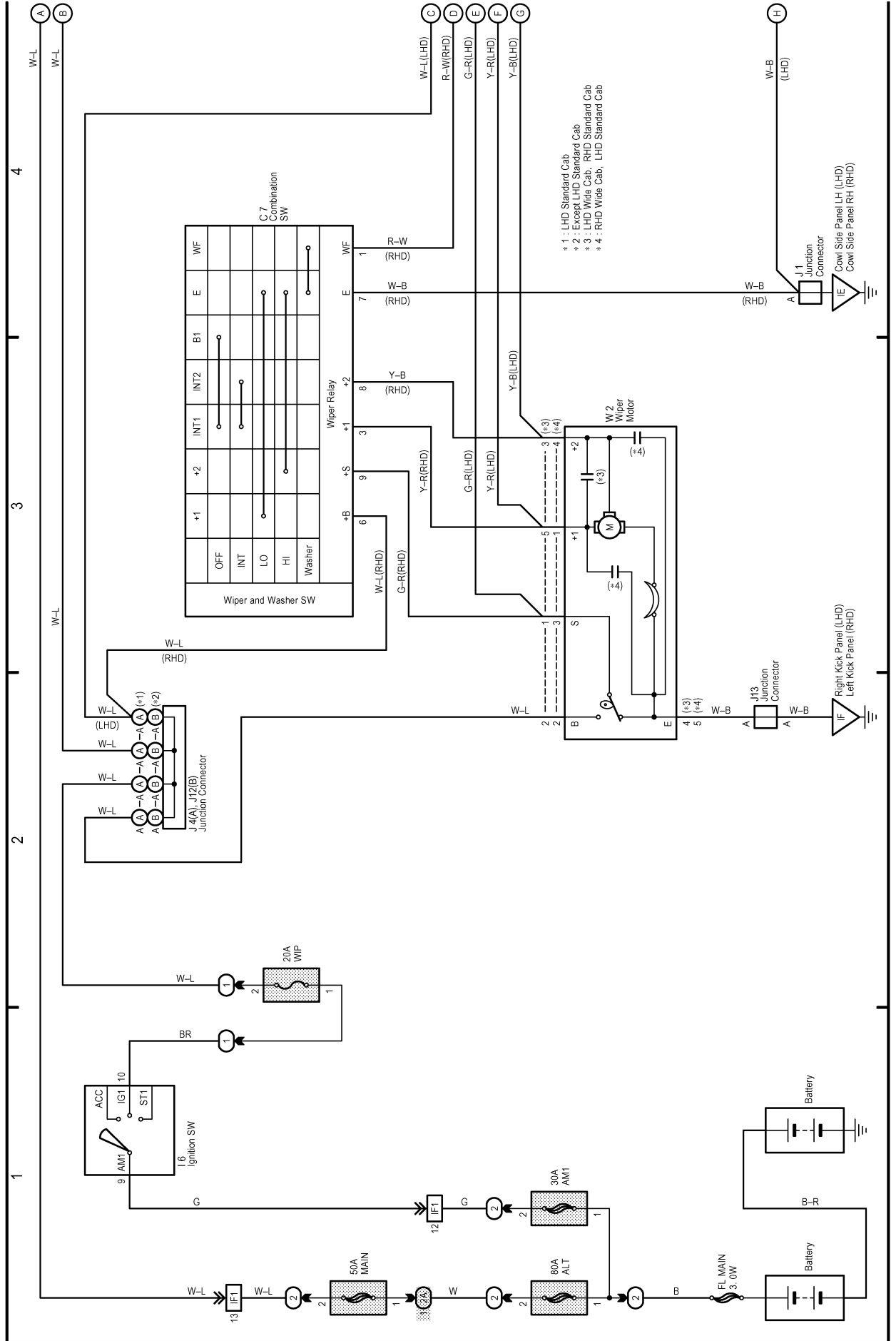


H OVERALL ELECTRICAL WIRING DIAGRAM

18 DUTRO

(Cont. next page)

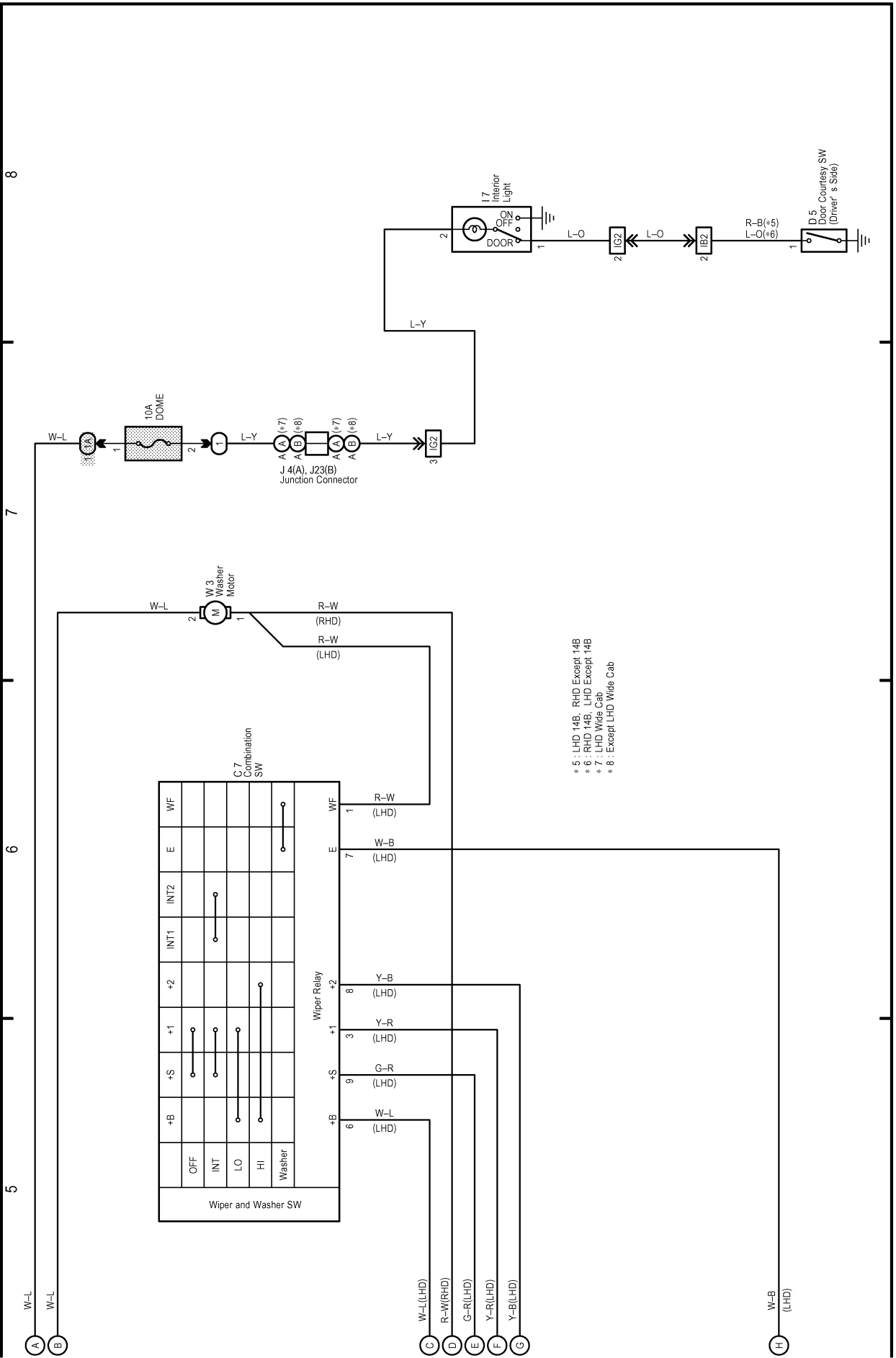
Wiper and Washer (14B, S05C-B, S05C-TA, W04D-J)



18 DUTRO (Cont' d)

Wiper and Washer (14B, S05C-B, S05C-TA, W04D-J)

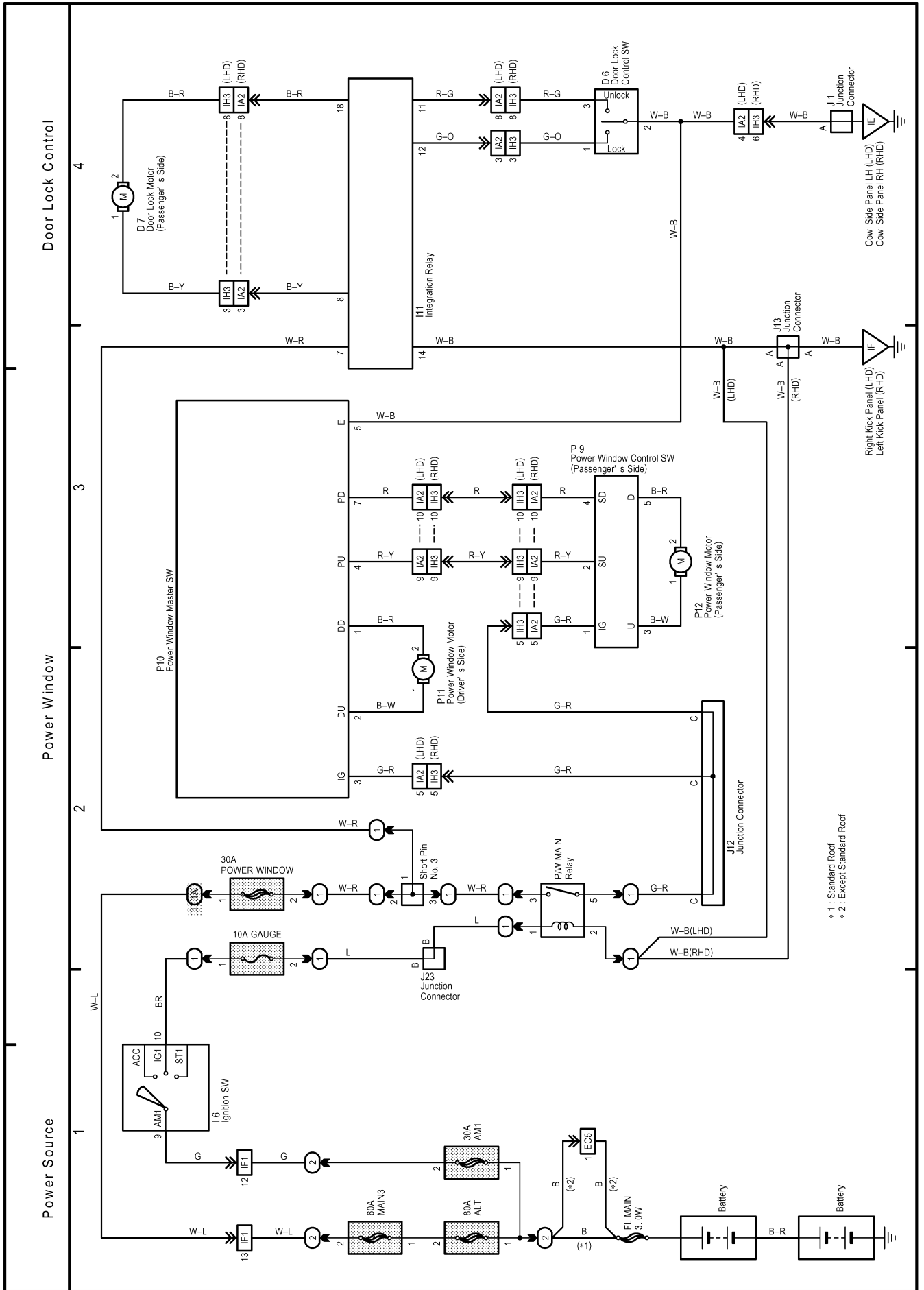
Interior Light (14B, S05C-B, S05C-TA, W04D-J)



- * 5 : LHD 14B, RHD Except 14B
- * 6 : RHD 14B, LHD Except 14B
- * 7 : LHD W/B Cab
- * 8 : Except LHD Wide Cab

H OVERALL ELECTRICAL WIRING DIAGRAM

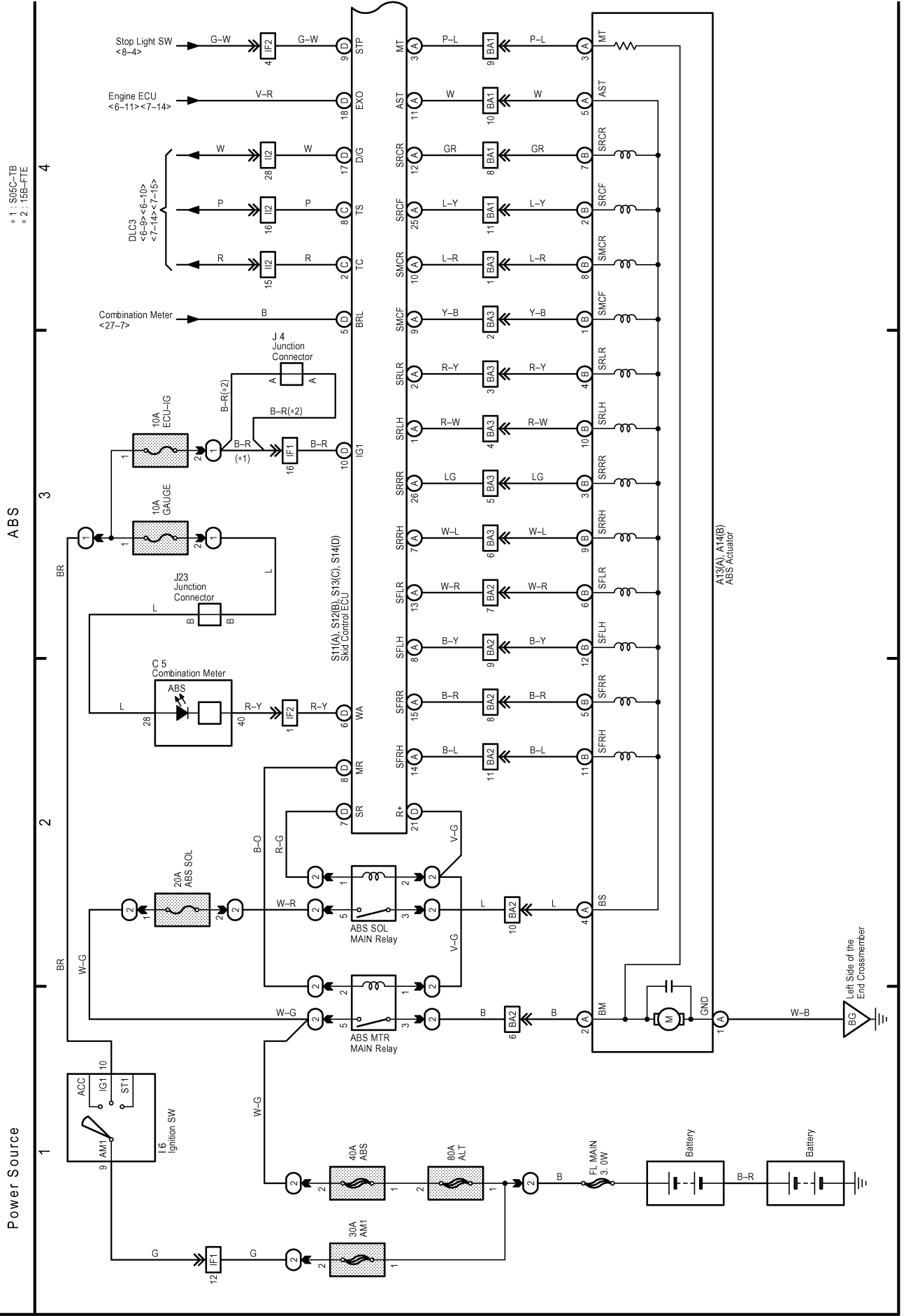
19 DUTRO



H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

20 DUTRO



ABS

8

7

6

5

- * 1 : S06C-TB
- * 2 : 15B-FTE
- * 3 : Hong Kong
- * 4 : Except Hong Kong
- * 5 : GVWR 5.5t
- * 6 : Except GVWR 5.5t

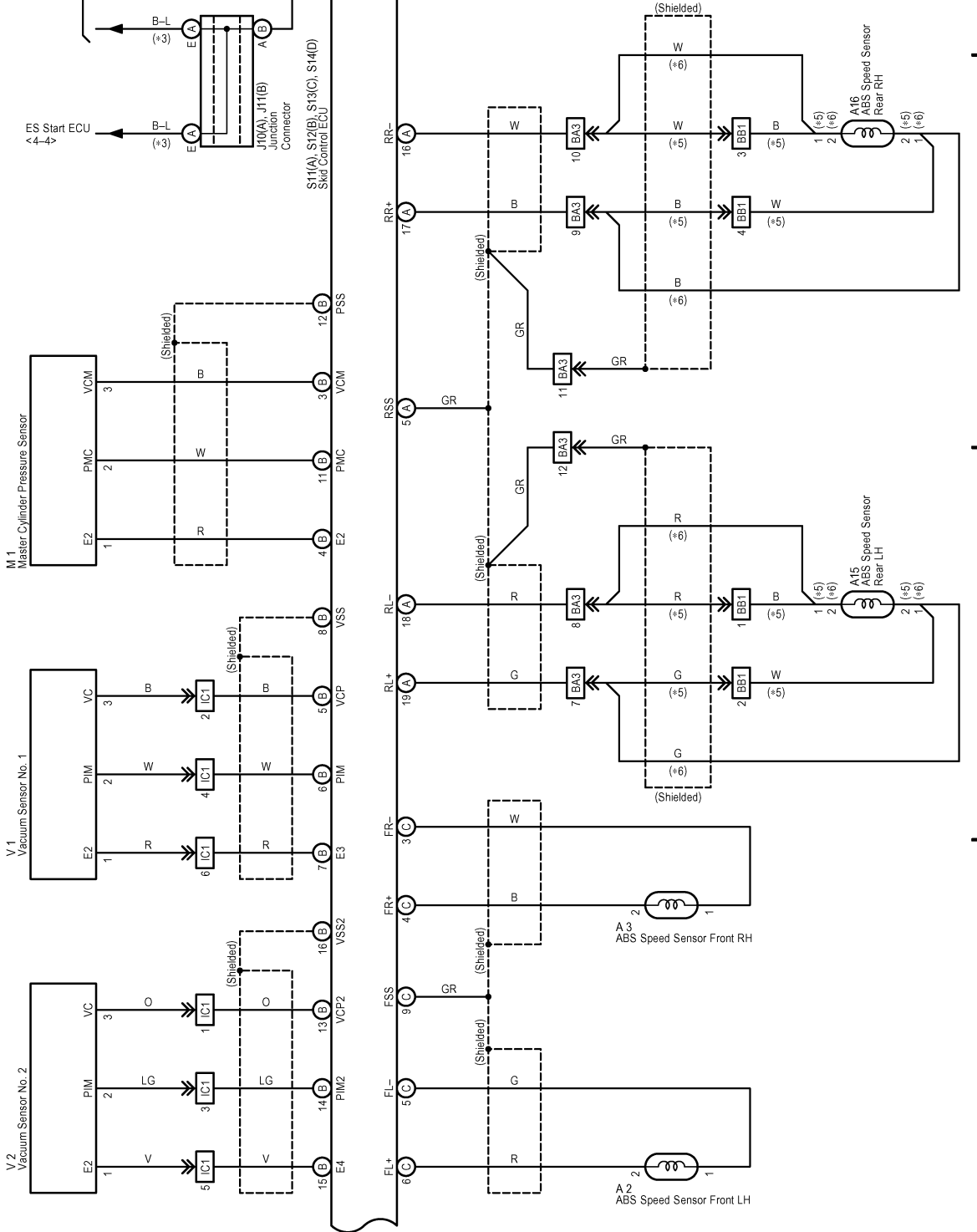
Parking Brake SW<27-2>

ES Start ECU
A4-4

M 1
Master Cylinder Pressure Sensor

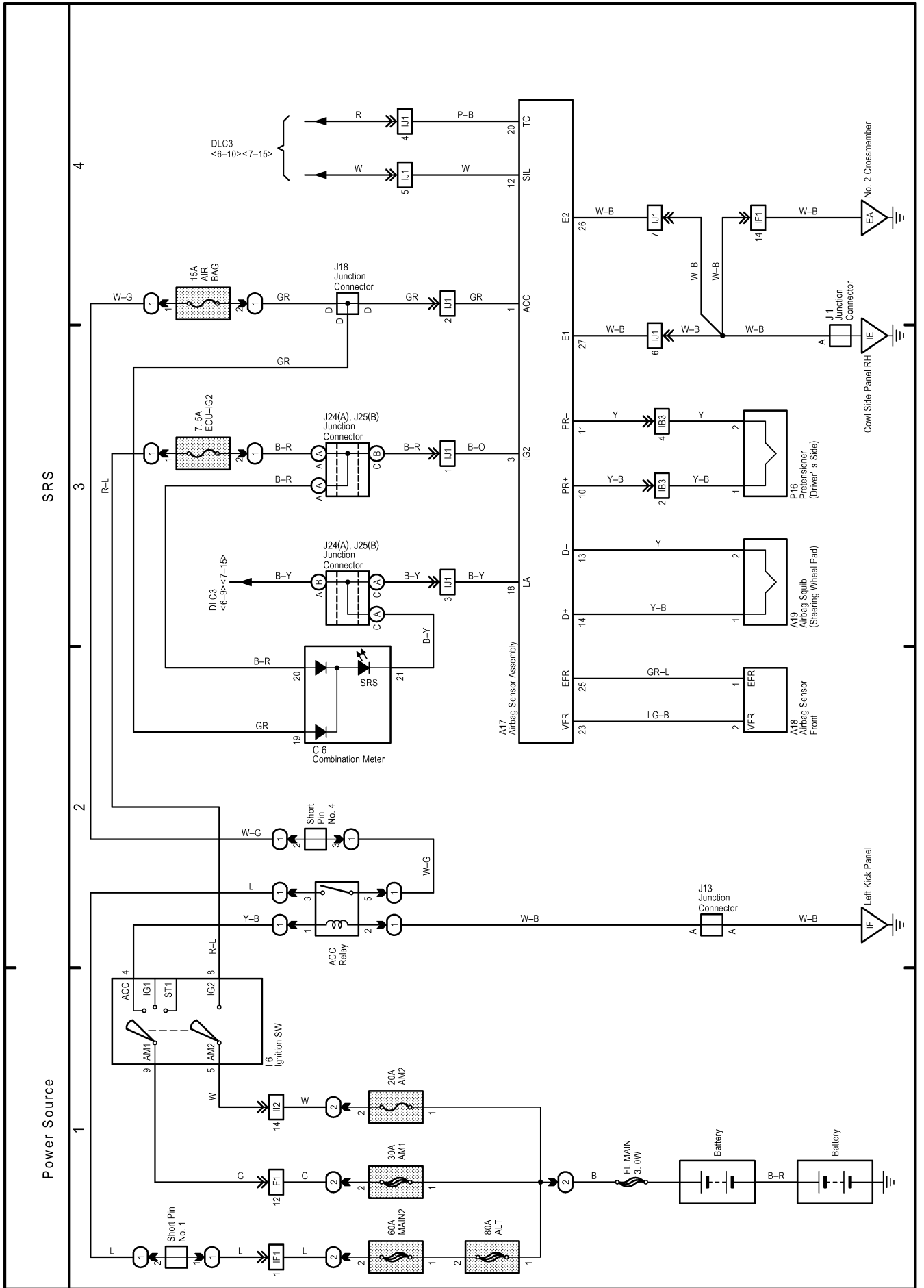
V 1
Vacuum Sensor No. 1

V 2
Vacuum Sensor No. 2



H OVERALL ELECTRICAL WIRING DIAGRAM

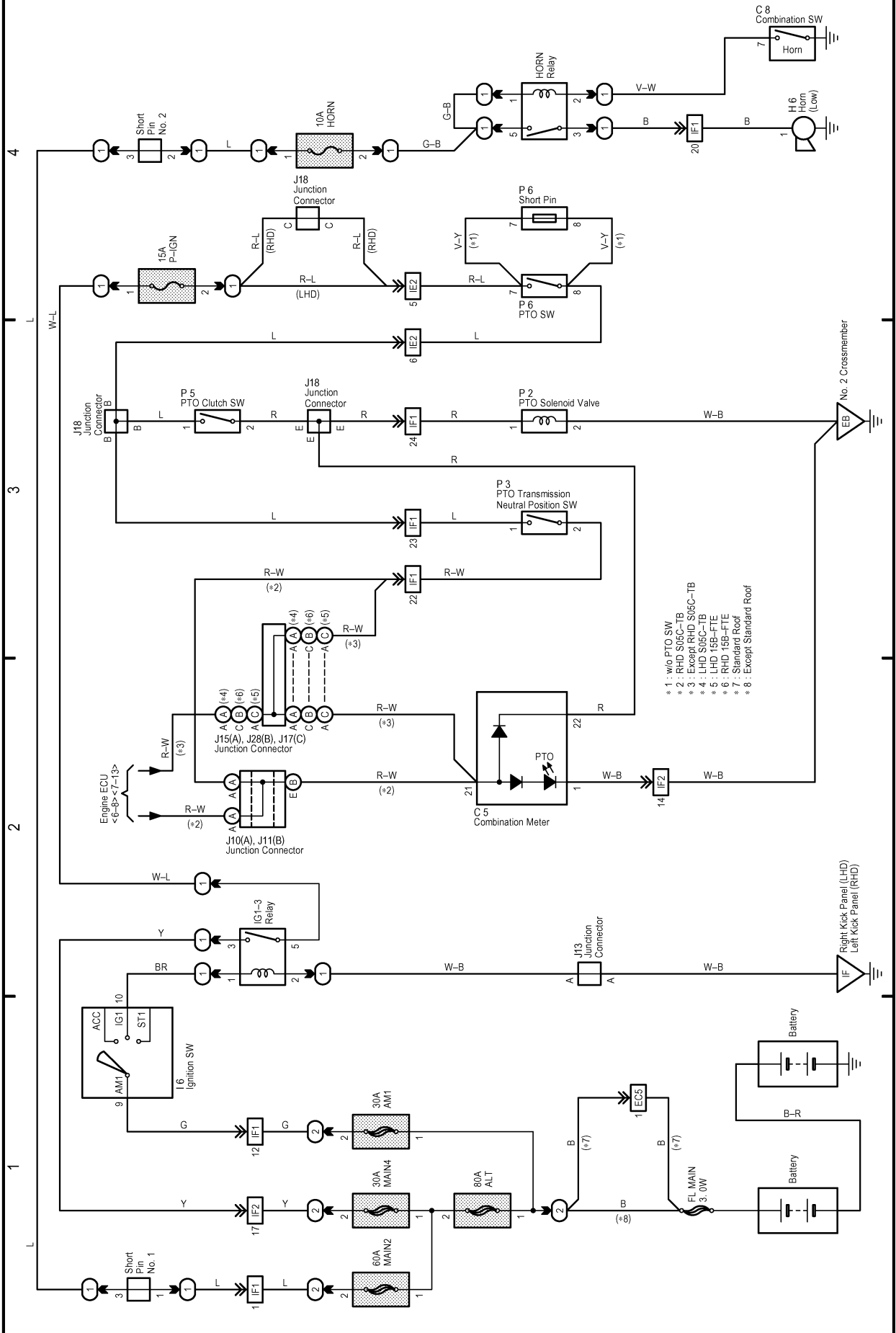
21 DUTRO



Power Source

PTO (15B-FTE, S05C-TB)

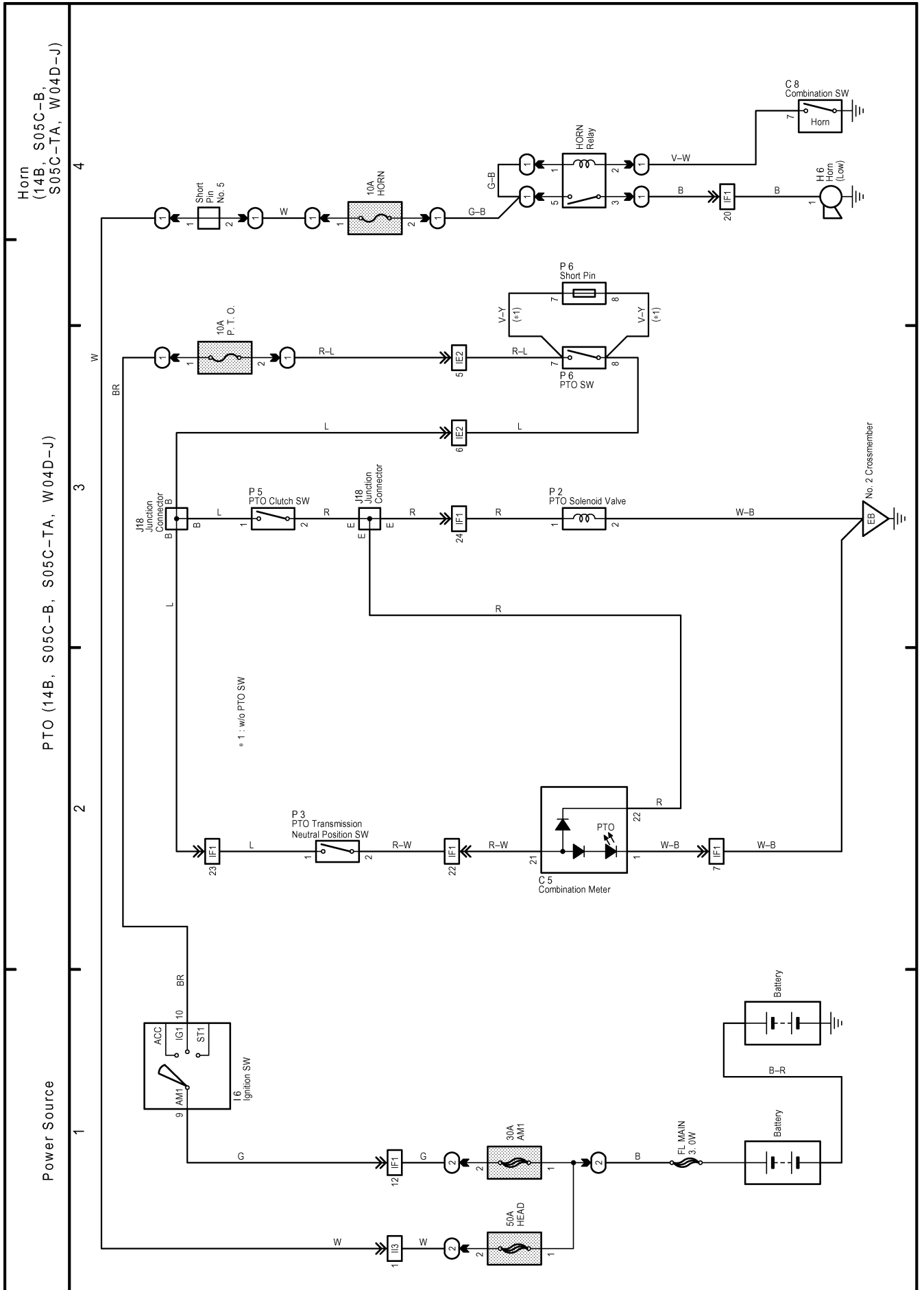
Horn (15B-FTE, S05C-TB)

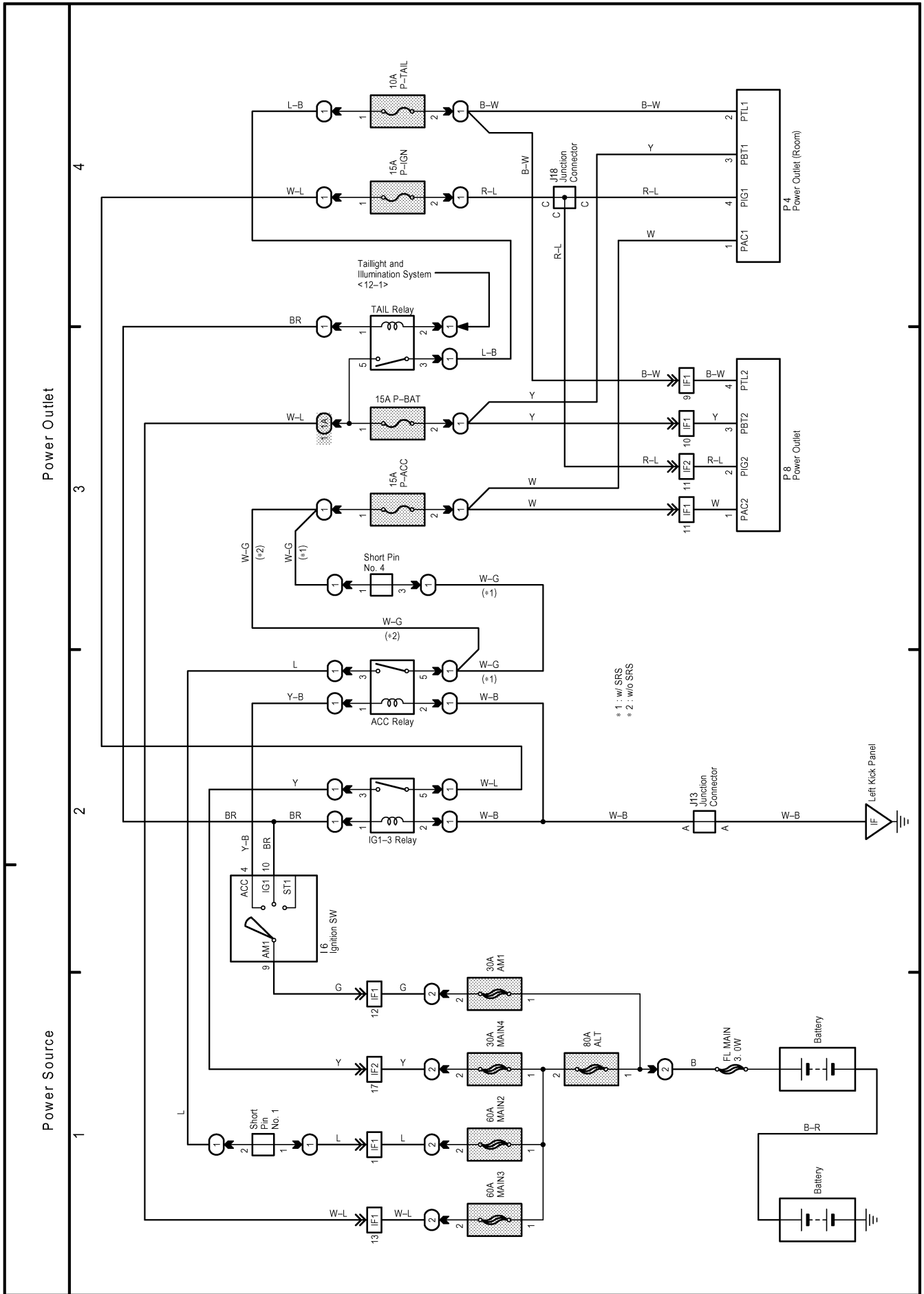


- * 1 : w/o PTO SW
- * 2 : RHD S05C-TB
- * 3 : Except RHD S05C-TB
- * 4 : LHD S05C-TB
- * 5 : LHD 15B-FTE
- * 6 : RHD 15B-FTE
- * 7 : Standard Roof
- * 8 : Except Standard Roof

H OVERALL ELECTRICAL WIRING DIAGRAM

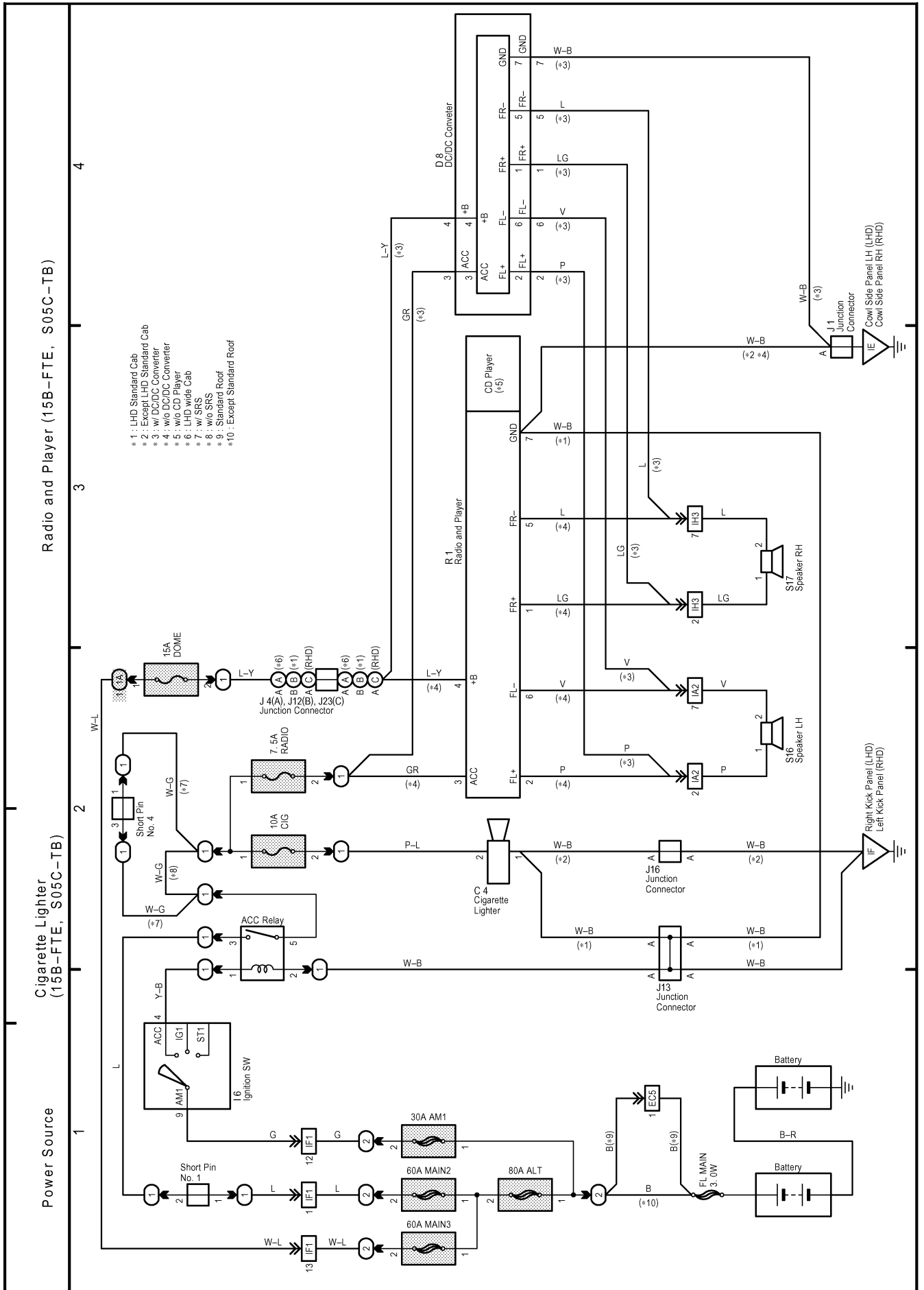
23 DUTRO





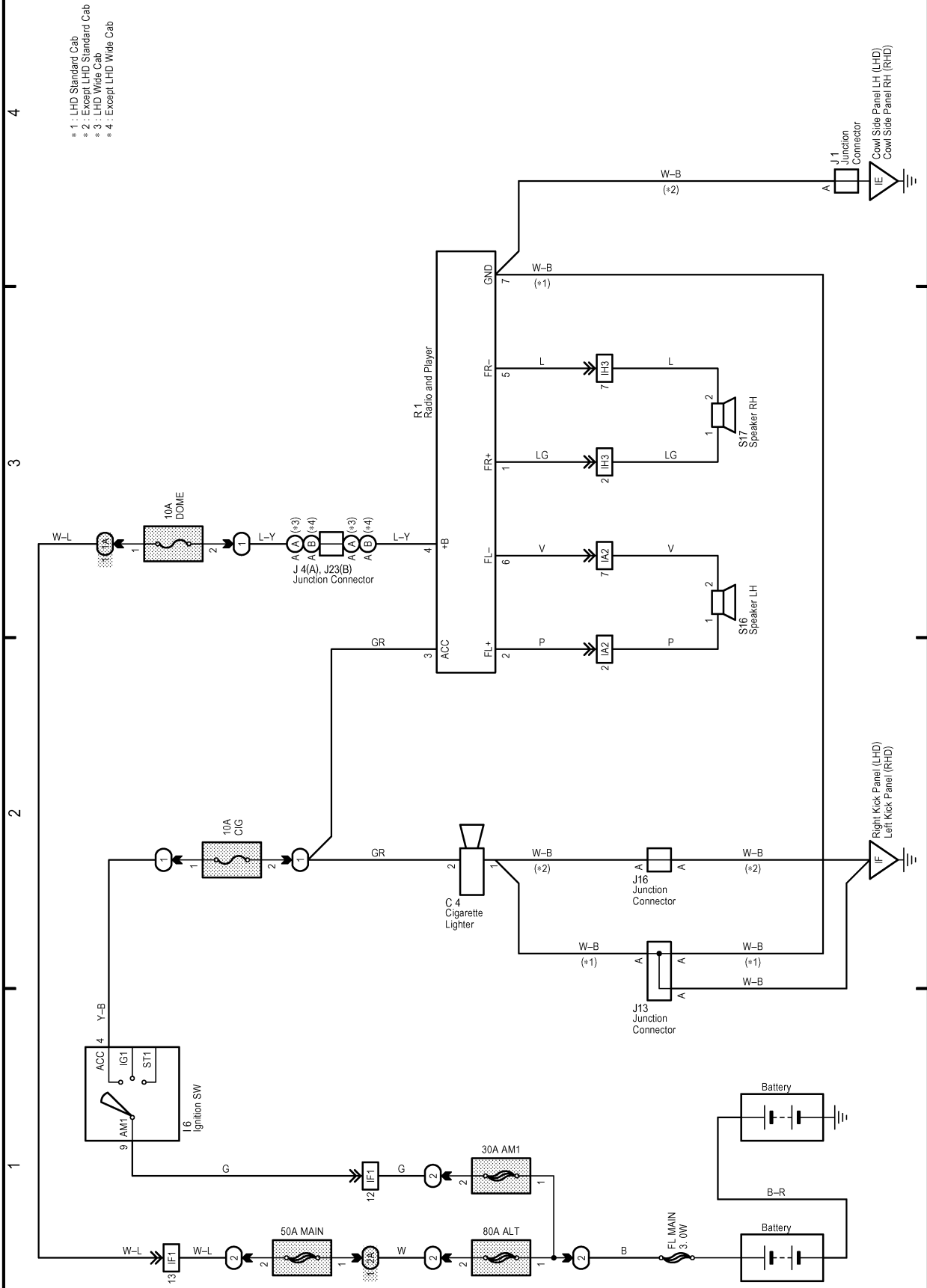
H OVERALL ELECTRICAL WIRING DIAGRAM

25 DUTRO



Cigarette Lighter
(14B, S05C-B,
S05C-TA, W04D-J)

Radio and Player (14B, S05C-B, S05C-TA, W04D-J)

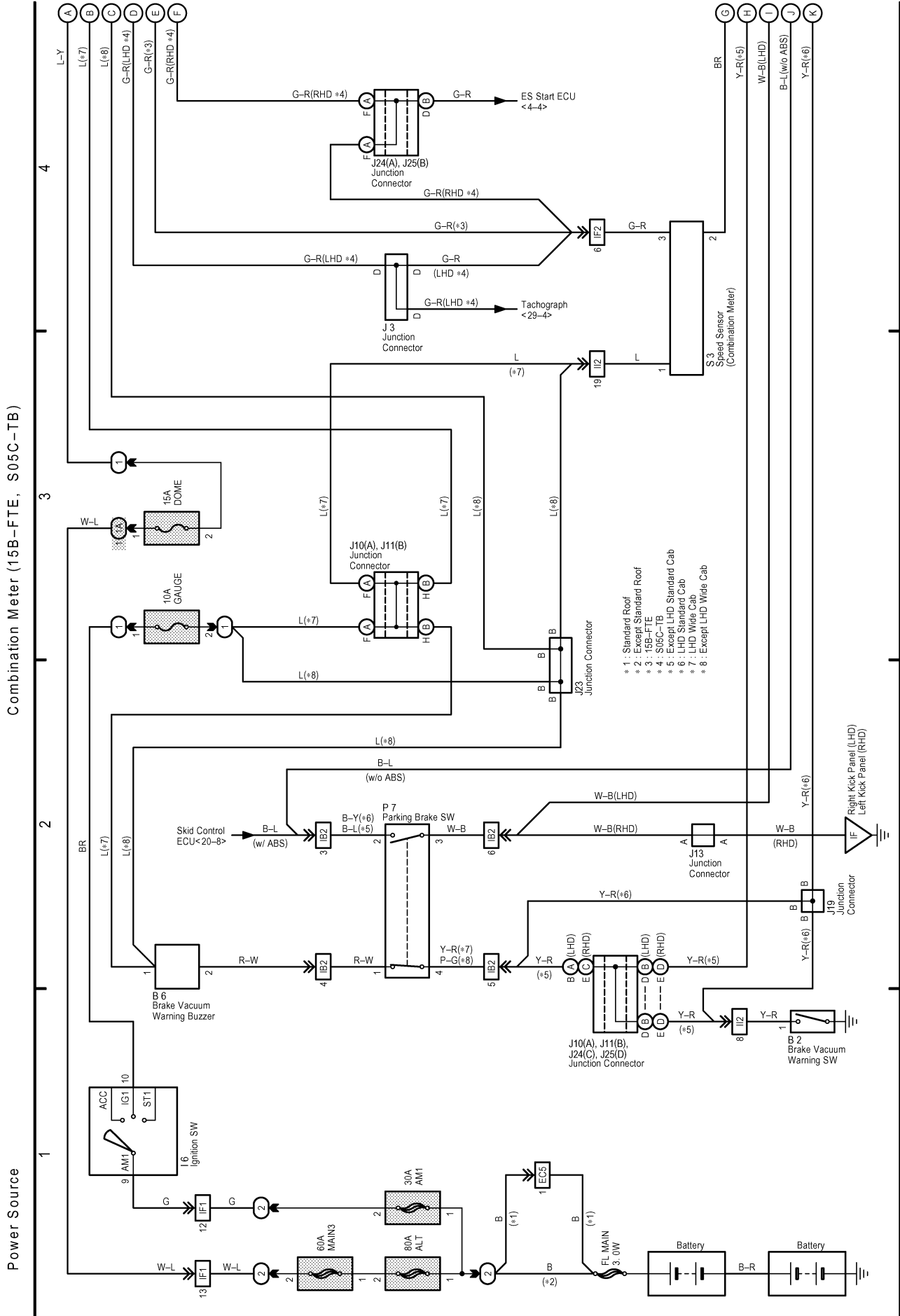


- * 1 : LHD Standard Cab
- * 2 : Except LHD Standard Cab
- * 3 : LHD Wide Cab
- * 4 : Except LHD Wide Cab

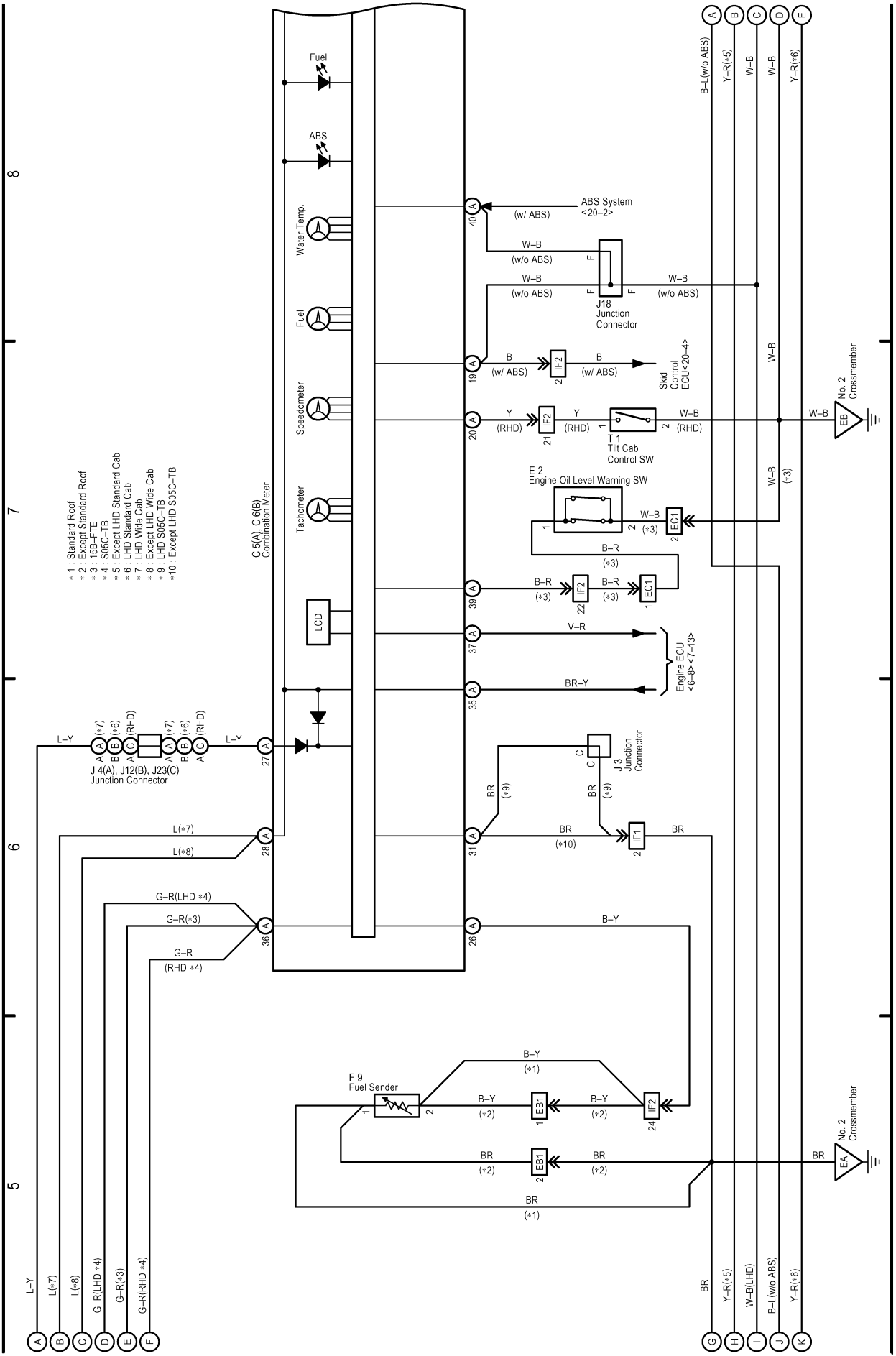
H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

27 DUTRO



Combination Meter (15B-FTE, S05C-TB)

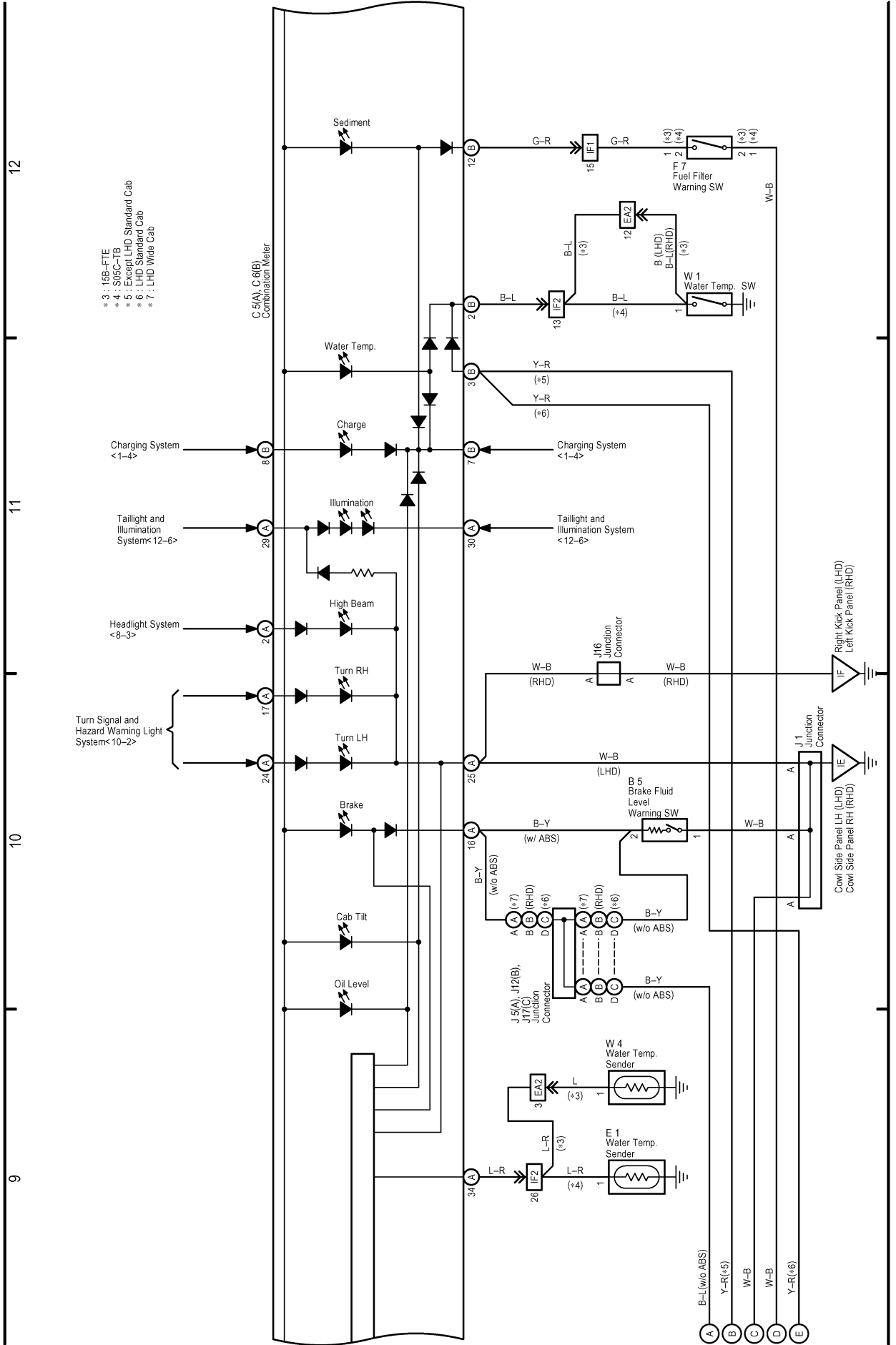


H OVERALL ELECTRICAL WIRING DIAGRAM

(Cont. next page)

27 DUTRO (Cont' d)

Combination Meter (15B-FTE, S05C-TB)



27 DUTRO (Cont' d)

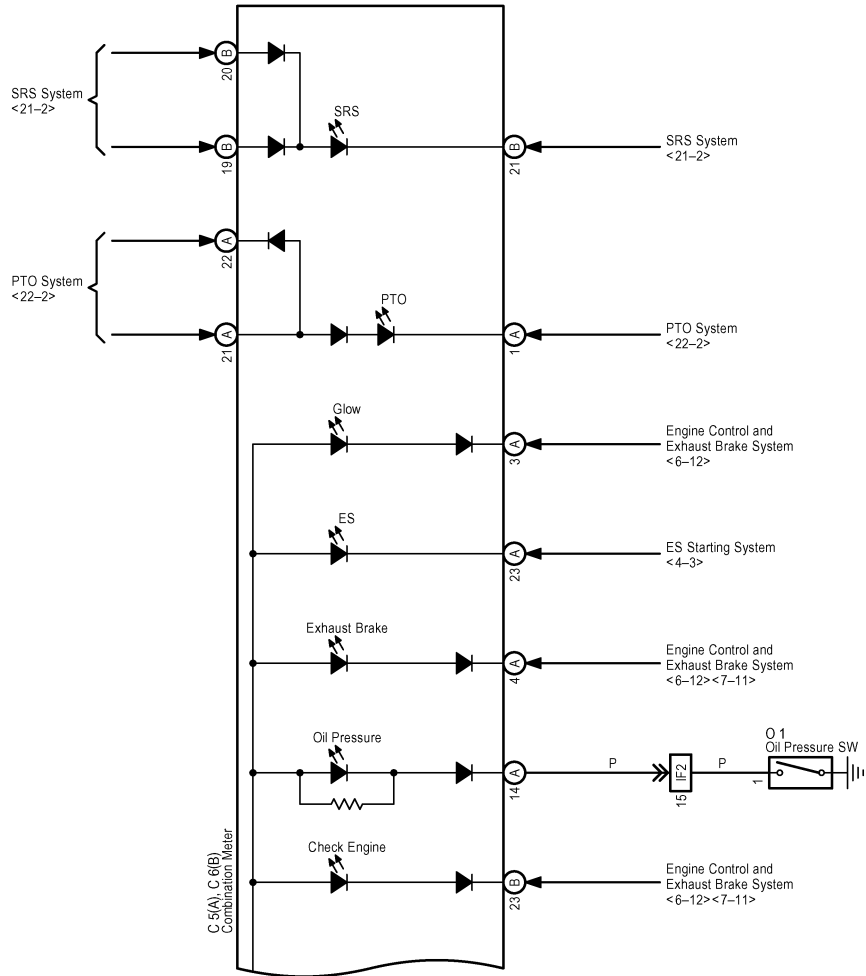
Combination Meter (15B-FTE, S05C-TB)

16

15

14

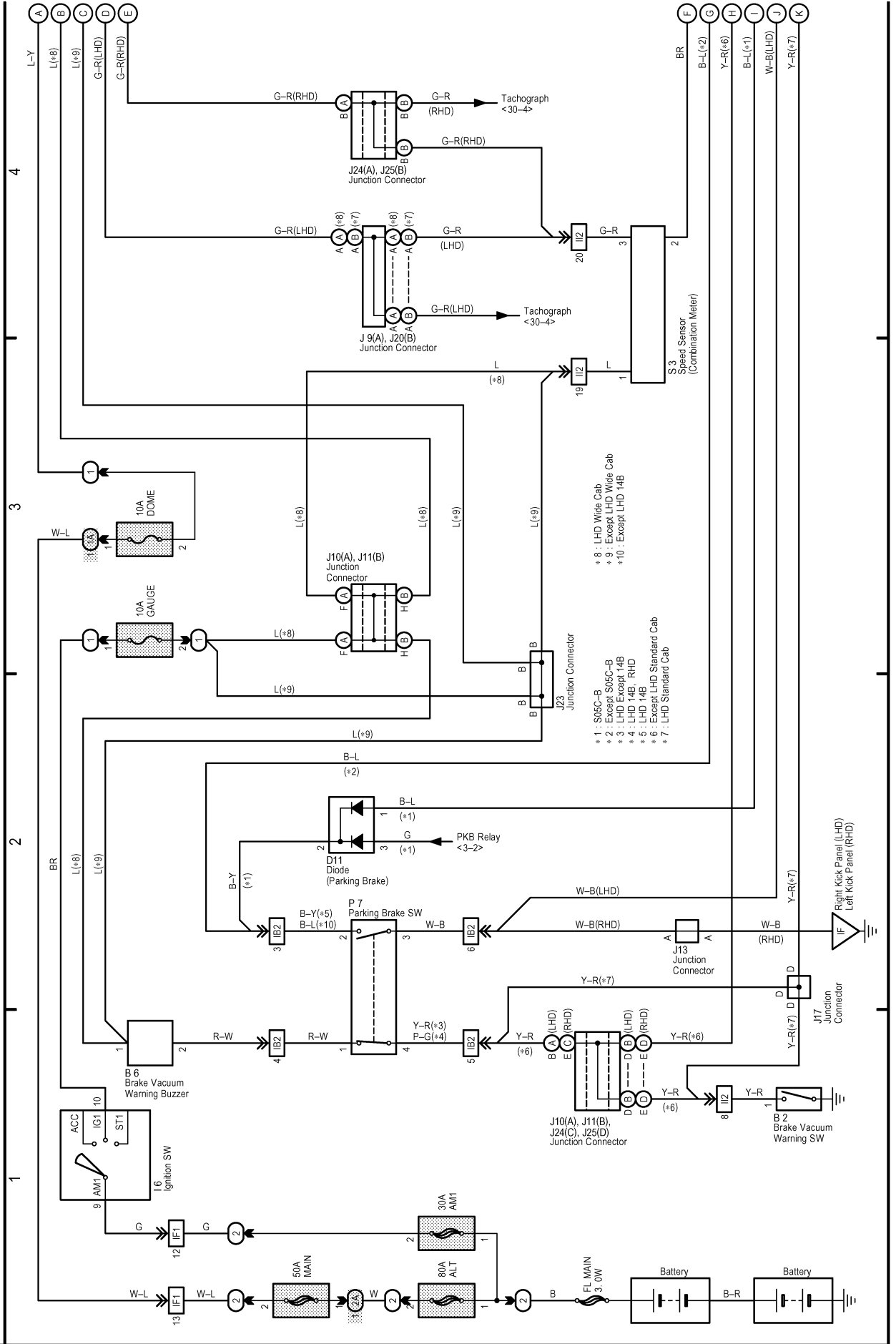
13



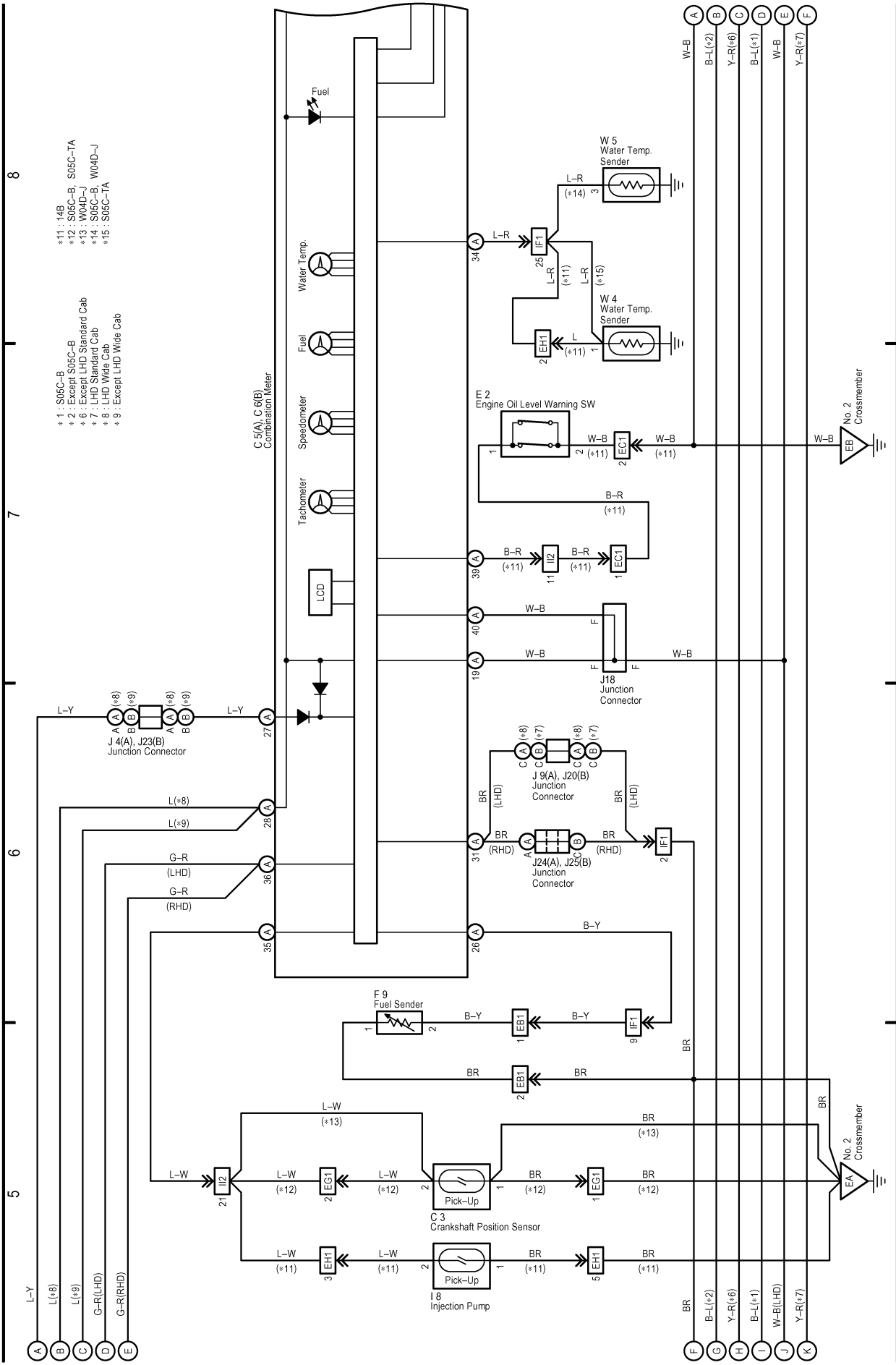
H OVERALL ELECTRICAL WIRING DIAGRAM

Combination Meter (14B, S05C-B, S05C-TA, W04D-J)

Power Source



Combination Meter (14B, S05C-B, S05C-TA, W04D-J)

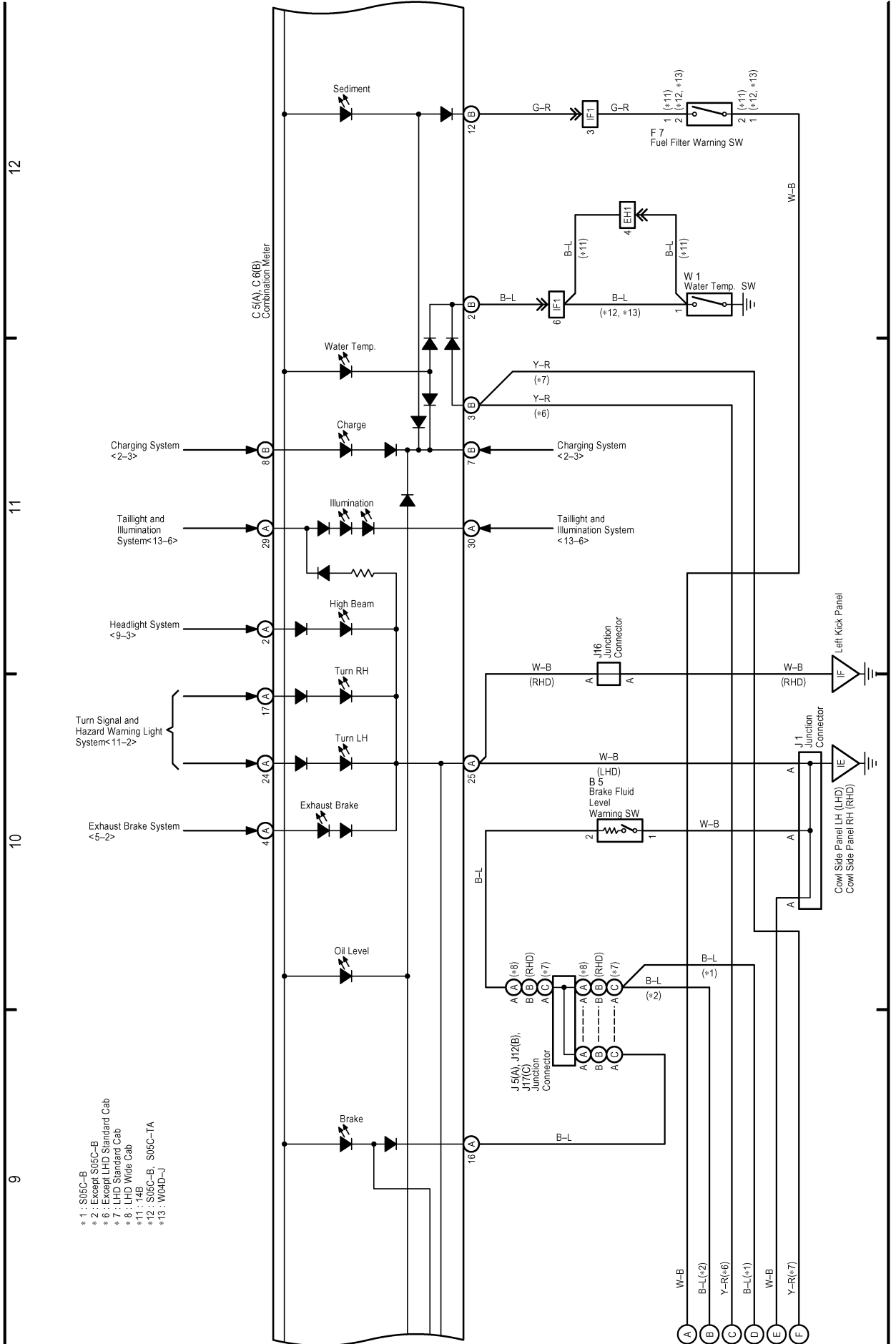


H OVERALL ELECTRICAL WIRING DIAGRAM

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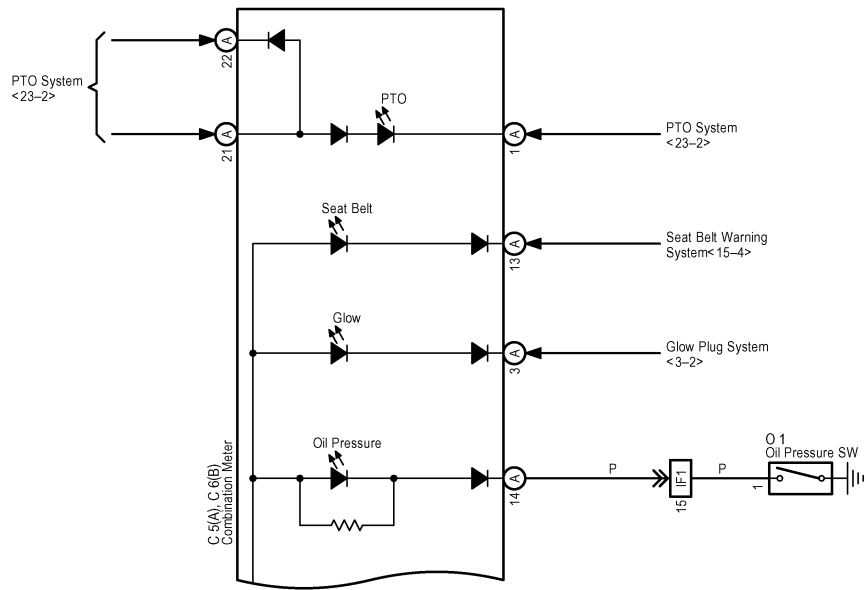
28 DUTRO (Cont' d)

Combination Meter (14B, S05C-B, S05C-TA, W04D-J)



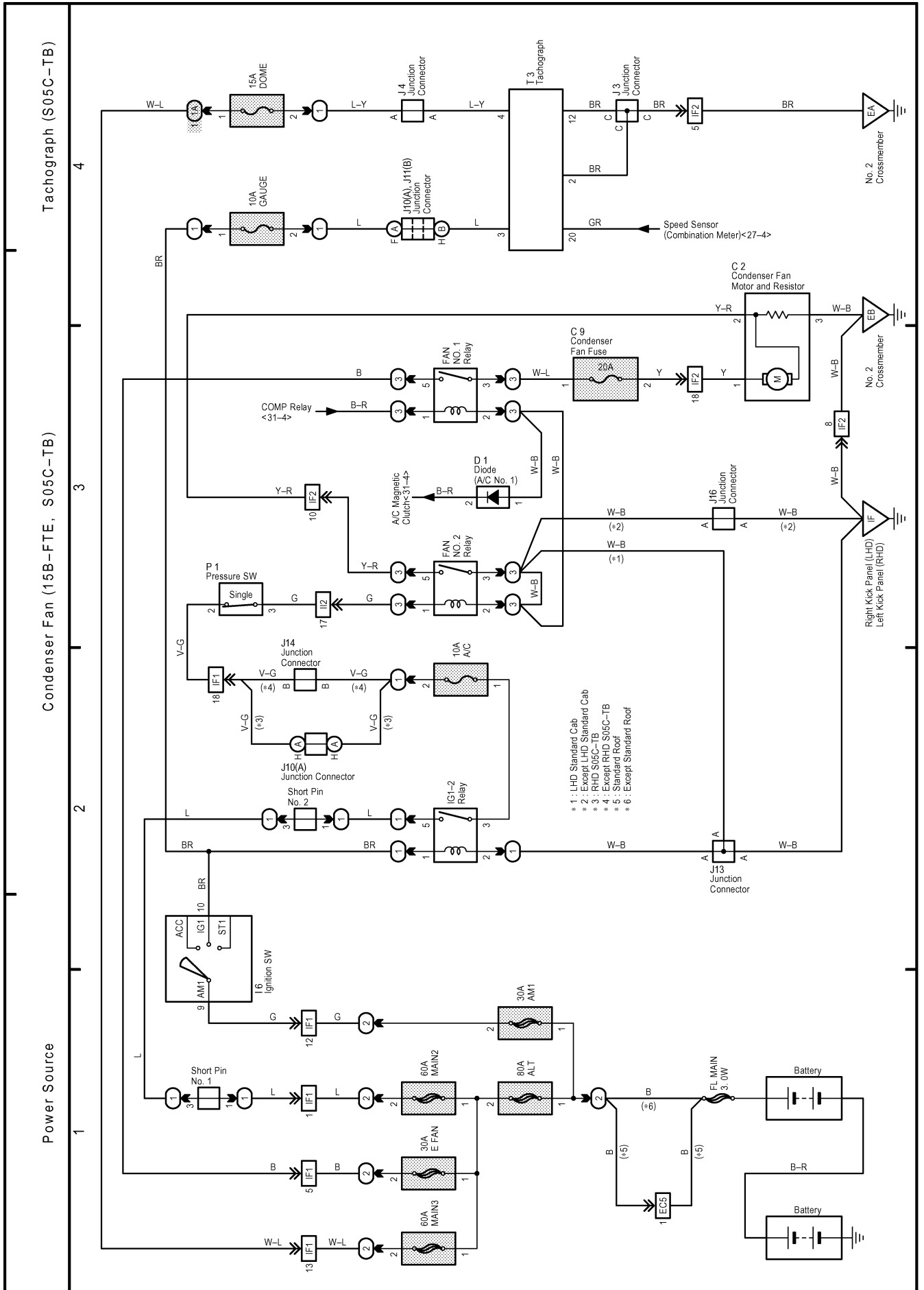
Combination Meter (14B, S05C-B, S05C-TA, W04D-J)

13 14 15 16



H OVERALL ELECTRICAL WIRING DIAGRAM

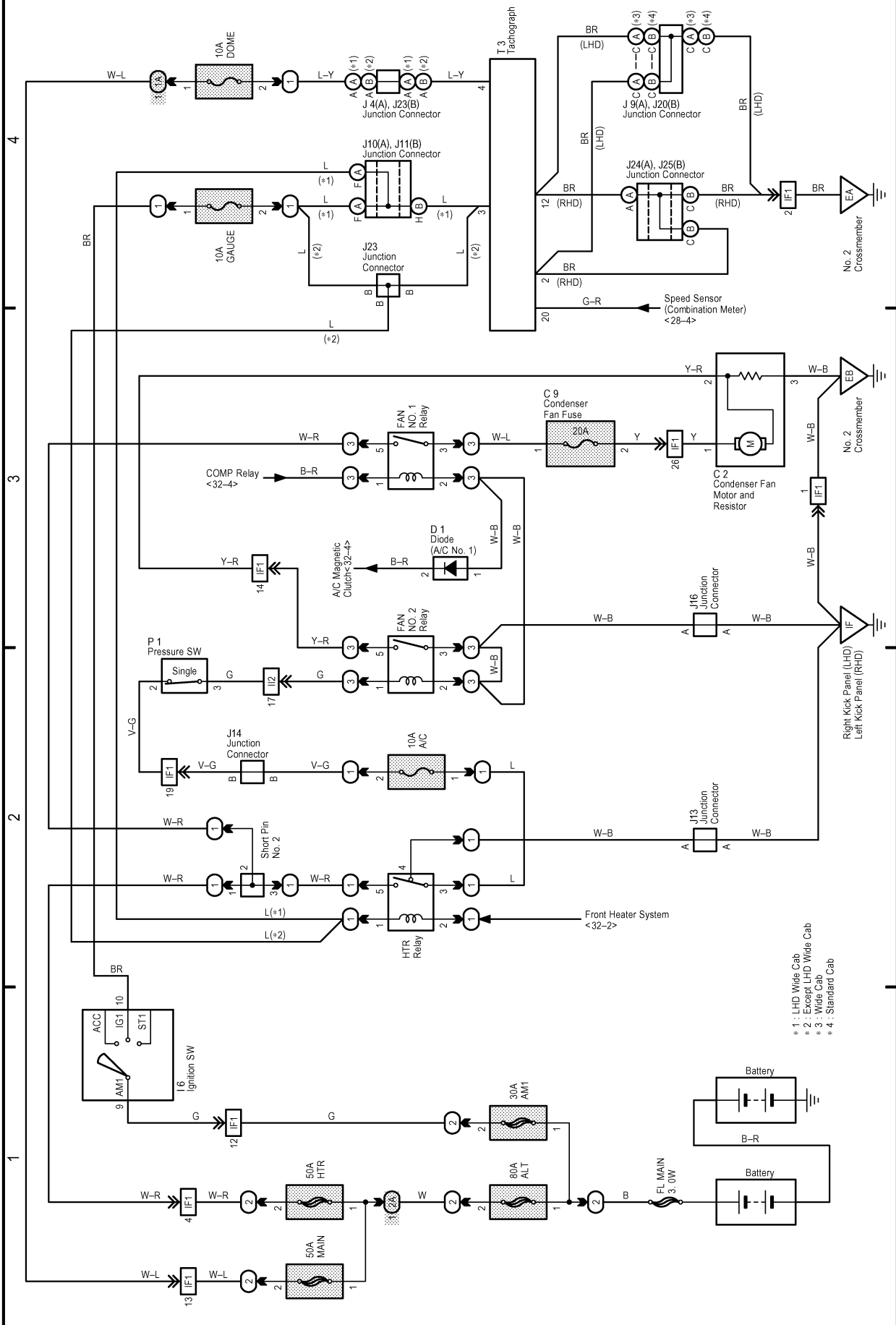
29 DUTRO



Tachograph
(14B, S05C-B,
S05C-TA, W04D-J)

Condenser Fan (S05C-B, S05C-TA, W04D-J)

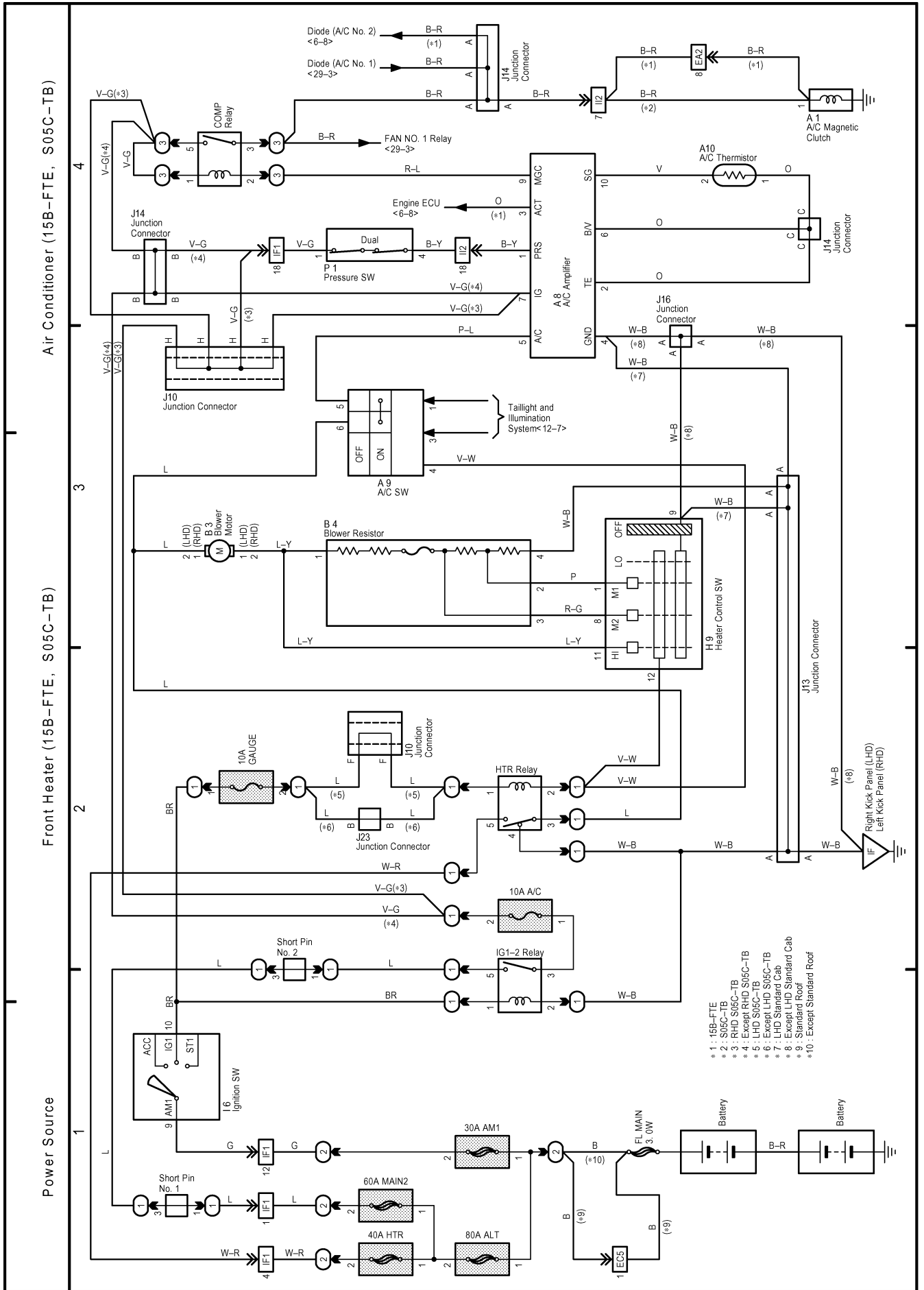
Power Source



- * 1 : LHD Wide Cab
- * 2 : Except LHD Wide Cab
- * 3 : Wide Cab
- * 4 : Standard Cab

H OVERALL ELECTRICAL WIRING DIAGRAM

31 DUTRO



Power Source

Front Heater (14B, S05C-B, S05C-TA, W04D-J)

Air Conditioner (S05C-B, S05C-TA, W04D-J)

