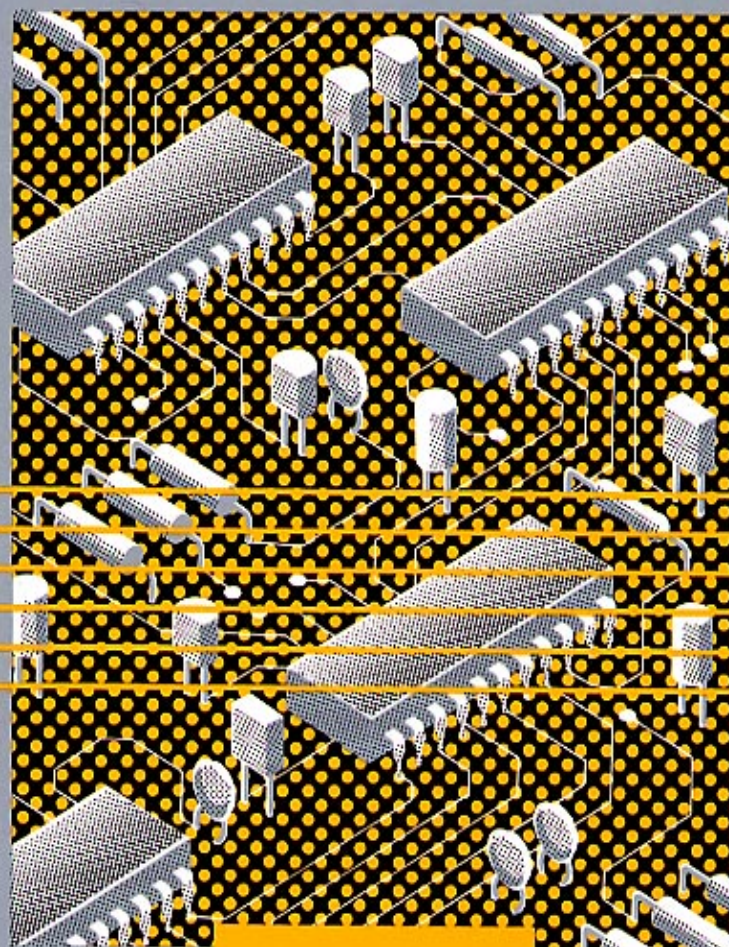


TOYOTA COROLLA

ELECTRICAL WIRING DIAGRAM

AE11_ Series
EE11_ Series
CE110 Series May, 1997



FOREWORD

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

Applicable models: AE110, 111, 112, 115 Series
EE110, 111 Series
CE110 Series

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.
● COROLLA Chassis and Body Repair Manual	RM572E
● 4A, 7A-FE Engine Repair Manual Supplement	RM573E
● 2E, 4E-FE Engine Repair Manual Supplement	RM574E
● 2C, 2C-E Engine Repair Manual Supplement	RM575E
● COROLLA New Car Features for Europe	NCF141E
● COROLLA New Car Features for General	NCF142E

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.

TOYOTA MOTOR CORPORATION

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.

COROLLA
ELECTRICAL WIRING DIAGRAM

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SCHEMA DE CABLAGE ELECTRIQUE
DE LA COROLLA

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COROLLA
DIAGRAMA DEL CABLEADO ELECTRICO

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This manual consists of the following 11 sections:

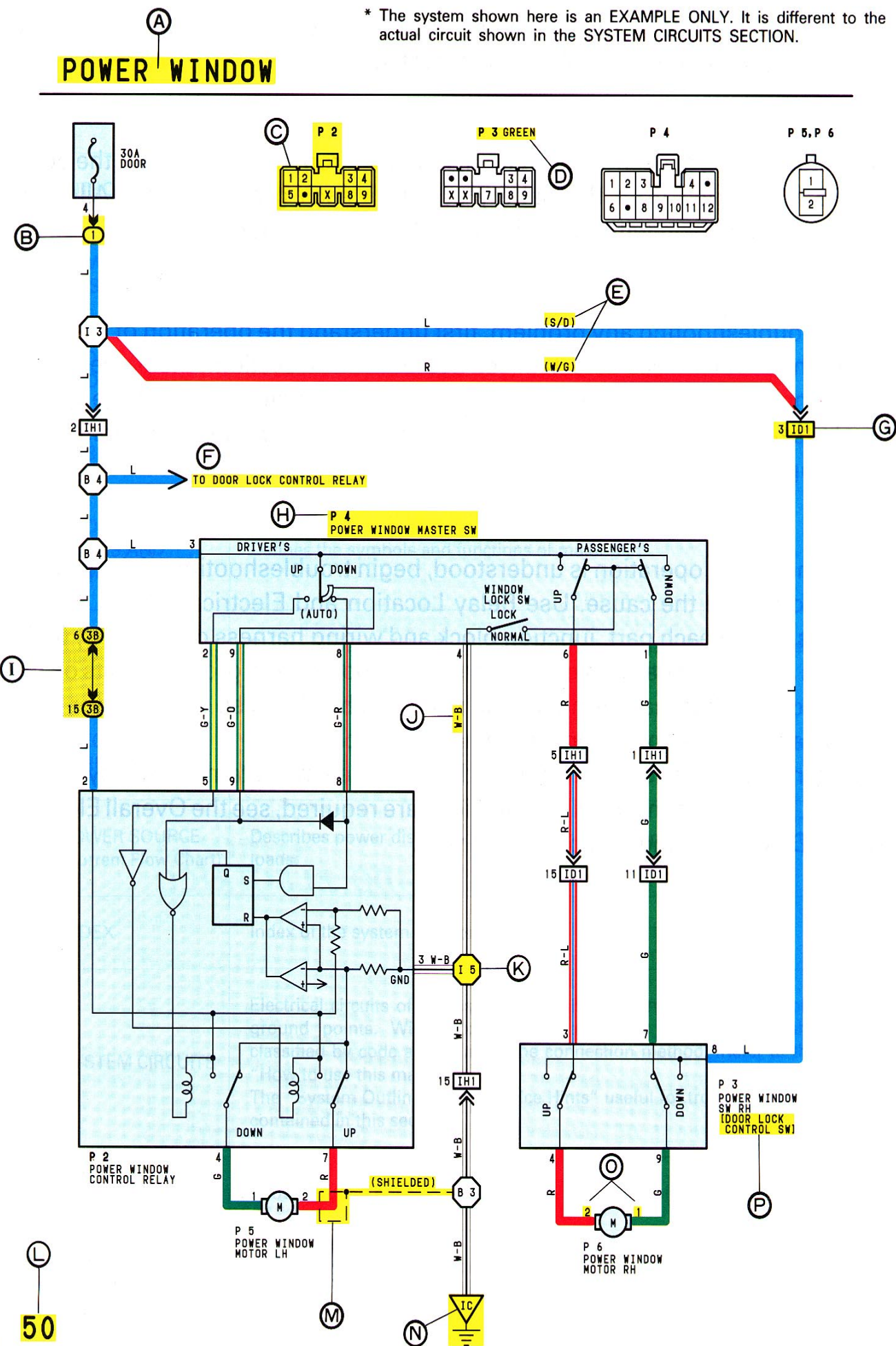
No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE-SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
I	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, "How to use this manual"). The "System Outline" and "Service Hints" useful for troubleshooting are also contained in this section.
J	GROUND POINTS	Shows ground positions of all parts described in this manual.
K	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

This manual provides information on the electrical circuits installed on vehicles by dividing them into a circuit for each system.

The actual wiring of each system circuit is shown from the point where the power source is received from the battery as far as each ground point. (All circuit diagrams are shown with the switches in the OFF position.)

When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Points section). See the System Outline to understand the circuit operation.

When the circuit operation is understood, begin troubleshooting of the problem circuit to isolate the cause. Use Relay Location and Electrical Wiring Routing sections to find each part, junction block and wiring harness connectors, wiring harness and wiring harness connectors, splice points, and ground points of each system circuit. Internal wiring for each junction block is also provided for better understanding of connection within a junction block. Wiring related to each system is indicated in each system circuit by arrows (from__, to__). When overall connections are required, see the Overall Electrical Wiring Diagram at the end of this manual.



- A**: System Title
- B**: Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.
- Example: ① Indicates Relay Block No. 1.
- C**: Indicates the connector to be connected to a part (the numeral indicates the pin No.)
- Explanation of pin use.
- Pins used in the system circuit.
Occupied positions, but not applicable to the system circuit.
Unoccupied positions.
- The pins shown are only for the highest grade, or only include those in the specification.
- D**: Connector Color
Connectors not indicated are milky white in color.
- E**: () is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.
- F**: Indicates related system.
- G**: Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (↗). Outside numerals are pin numbers.
- The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g., "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.
- When more than one code has the first and second letters in common, followed by numbers (e.g., IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.
- H**: Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.
- I**: 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:
- 3B indicates that it is inside Junction Block No. 3.

- J**: Indicates the wiring color.
- Wire colors are indicated by an alphabetical code.
- B = Black L = Blue R = Red
BR = Brown LG = Light Green V = Violet
G = Green O = Orange W = White
GR = Gray P = Pink Y = Yellow
- The first letter indicates the basic wire color and the second letter indicates the color of the stripe.
- Example: L - Y
- K**: Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).
- Example:
- The Location of Splice Point I 5 is indicated by the shaded section.
- L**: Page No.
- M**: Indicates a shielded cable.
- N**: Indicates a ground point.
- The first letter of the code for each ground point(s) indicates the component's location, e.g., "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.
- O**: 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
Numbered in order from upper right to lower left
- P**: When 2 parts both use one connector in common, the parts connector name used in the wire routing section is shown in square brackets [].

B HOW TO USE THIS MANUAL

Q

SYSTEM OUTLINE

WITH THE IGNITION SW TURNED ON, THE CURRENT FLOWS TO TERMINAL 3 OF THE POWER WINDOW MASTER SW, TERMINAL 2 OF THE POWER WINDOW CONTROL RELAY AND TERMINAL 8 OF THE POWER WINDOW SW THROUGH THE DOOR FUSE.

1. DRIVER'S WINDOW "MANUAL UP" OPERATION BY MASTER SW

HOLDING MANUAL SW(DRIVER'S) ON "UP" POSITION LOCATED IN POWER WINDOW MASTER SW, THE CURRENT FLOWS TO TERMINAL 5 OF THE POWER WINDOW CONTROL RELAY THROUGH TERMINAL 3 OF THE MASTER SW → TERMINAL 2 TO OPERATE A POWER WINDOW CONTROL RELAY. THUS THE CURRENT INSIDE THE RELAY FLOWS FROM TERMINAL 2 OF THE RELAY → TERMINAL 1 → TERMINAL 2 OF THE POWER WINDOW MOTOR → TERMINAL 1 → TERMINAL 4 OF THE RELAY → TERMINAL 3 → TO GROUND. THE MOTOR TURNS TO ASCENT THE WINDOW. RELEASING THIS SW, THE ROTATION OF MOTOR IS STOPPED AND THE WINDOWS CAN STOP AT WILL POINT.

(FOR THE "MANUAL DOWN" OPERATION, CURRENT FLOWS IN THE REVERSE DIRECTION BECAUSE THE TERMINALS WHERE IT FLOWS ARE CHANGED).

2. DRIVER'S WINDOW "AUTO DOWN" OPERATION BY MASTER SW

ONCE THE "AUTO DOWN" BUTTON OF THE MASTER SW IS PUSHED, THE CURRENT FLOWS TERMINAL 9 OF THE POWER WINDOW CONTROL RELAY THROUGH TERMINAL 3 OF THE MASTER SW → TERMINALS 8 AND 9 TO OPERATE THE RELAY. THUS THE CURRENT INSIDE THE POWER WINDOW CONTROL RELAY FLOWS FROM TERMINAL 2 OF THE RELAY → TERMINAL 4 → TERMINAL 1 OF THE POWER WINDOW MOTOR → TERMINAL 2 → TERMINAL 1 OF THE RELAY → TERMINAL 3 → TO GROUND. THE MOTOR CONTINUES THE ROTATION ENABLING TO DESCENT THE WINDOW.

THE WINDOW DESCENDS TO THE END POSITION, THE CURRENT WILL BE CUT OFF TO RELEASE THE AUTO DOWN FUNCTION BASED ON THE INCREASING CURRENT BETWEEN TERMINAL 2 OF THE RELAY AND TERMINAL 1 IN RELAY.

3. DRIVER'S WINDOW AUTO DOWN RELEASE OPERATION BY MASTER SW

HOLDING THE MANUAL SW(DRIVER'S) ON "UP" POSITION IN OPERATING AUTO DOWN, THE CURRENT FROM TERMINAL 3 OF THE MASTER SW PASSING TERMINAL 2 FLOWS TERMINAL 5 OF THE RELAY AND RELEASES THE AUTO DOWN FUNCTION IN THE POWER WINDOW CONTROL RELAY. RELEASING THE HAND FROM SW, WINDOW STOPS AND CONTINUING ON TOUCHING SW, THE FUNCTION SWITCHES TO MANUAL UP OPERATION.

4. PASSENGER'S WINDOW UP OPERATION(MASTER SW) AND WINDOW LOCK SW OPERATION

HOLDING PASSENGER'S WINDOW SW(MASTER SW) ON "UP", THE CURRENT FLOWS FROM TERMINAL 3 OF THE MASTER SW PASSING TERMINAL 6 TO TERMINAL 3 OF THE POWER WINDOW SW(PASSENGER'S) → TERMINAL 4 → TERMINAL 2 OF THE MOTOR → TERMINAL 1 → TERMINAL 9 OF THE POWER WINDOW SW → TERMINAL 7 → TERMINAL 1 OF THE MASTER SW → TERMINAL 4 TO GROUND. THE MOTOR RUNS TO ASCENT THE WINDOW. RELEASING THIS SW, THE ROTATION OF MOTOR IS STOPPED AND WINDOW CAN STOP AT WILL PLACE. SWITCHING THE WINDOW LOCK SW IN "LOCK" POSITION, THE CIRCUIT IS OPENED AND STOPPED THE MOTOR ROTATION.

(FOR THE DOWN OPERATION, CURRENT FLOWS IN THE REVERSE DIRECTION BECAUSE THE TERMINALS WHERE IT FLOWS ARE CHANGED).

R

SERVICE HINTS

P2 POWER WINDOW CONTROL RELAY

3-GROUND:ALWAYS CONTINUITY

2-GROUND:APPROX.12VOLTS WITH IGNITION SW AT ON POSITION

5-GROUND:APPROX.12VOLTS WITH IGNITION SW AT ON POSITION AND MASTER SW AT UP POSITION

8-GROUND:APPROX.12VOLTS WITH IGNITION SW AT ON POSITION AND MASTER SW AT AUTO DOWN POSITION

9-GROUND:APPROX.12VOLTS WITH IGNITION SW AT ON POSITION AND MASTER SW AT DOWN OR AUTO DOWN POSITION

P4 POWER WINDOW MASTER SW

4-GROUND:ALWAYS CONTINUITY

3-GROUND:APPROX.12VOLTS WITH IGNITION SW AT ON POSITION

WINDOW LOCK SW

OPEN WITH WINDOW LOCK SW AT LOCK POSITION

S

PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
P2	21	P4	21	P6	21
P3	21	P5	21		

T

RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCK (RELAY BLOCK LOCATION)
1	16	R/B NO.1 (INSTRUMENT PANEL LEFT SIDE)

U

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
3B	14	J/B NO.3 AND COWL WIRE (INSTRUMENT PANEL LEFT SIDE)

V

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
ID1	26	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)
IH1	26	FRONT DOOR LH WIRE AND COWL WIRE (LEFT KICK PANEL)

W

GROUND POINTS

CODE	SEE PAGE	GROUND POINT LOCATION
IC	24	COWL LEFT

X

SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESSES WITH SPLICE POINTS
I6	24	COWL WIRE

Q: Explains the system outline.

R: Indicates values or explains the function for reference during troubleshooting.

S: Indicates the reference page showing the position on the vehicle of the parts in the system circuit.

Example: Part "P4" (Power Window Master SW) is on page 21 of the manual.

* The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.

Example: P4

Part is 4th in order
Power Window Master SW

T: Indicates the reference page showing the position on the vehicle of Relay Block Connectors in the system circuit.

Example: Connector "1" is described on page 16 of this manual and is installed on the left side of the instrument panel.

U: Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.

Example: Connector "3B" connects the Cowl Wire and J/B No. 3. It is described on page 14 of this manual, and is installed on the instrument panel left side.

V: Indicates the reference page describing the wiring harness and wiring harness connector (the female wiring harness is shown first, followed by the male wiring harness).

Example: Connector "ID1" connects the front door RH wire (female) and cowl wire (male). It is described on page 26 of this manual, and is installed on the right side kick panel.

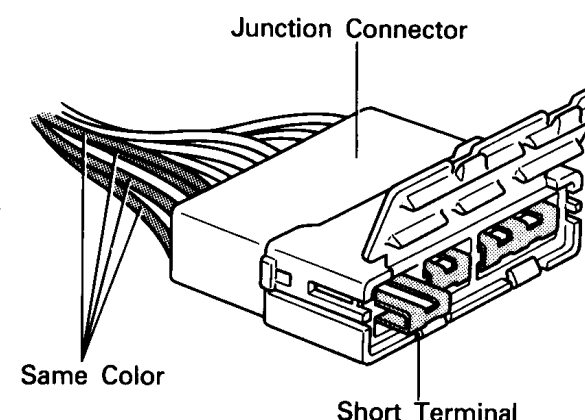
W: Indicates the reference page showing the position of the ground points on the vehicle.

Example: Ground point "IC" is described on page 24 of this manual and is installed on the cowl left side.

X: Indicates the reference page showing the position of the splice points on the vehicle.

Example: Splice point "I 5" is on the Cowl Wire Harness and is described on page 24 of this manual.

HINT:



Junction connector (code: J1 to J38) 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.

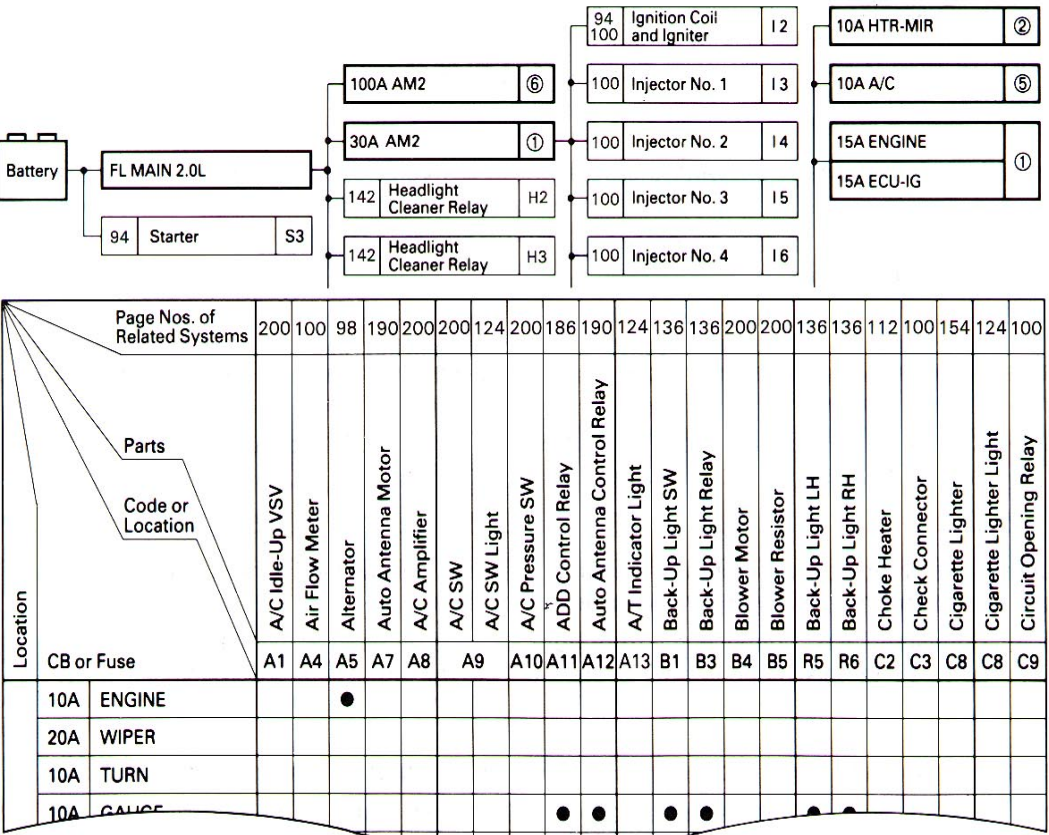
B HOW TO USE THIS MANUAL

The "Current Flow Chart" section, describes which parts each power source (fuses, fusible links, and circuit breakers) transmits current to. In the Power Source circuit diagram, the conditions when battery power is supplied to each system are explained. Since all System Circuit diagrams start from the power source, the power source system must be fully understood.

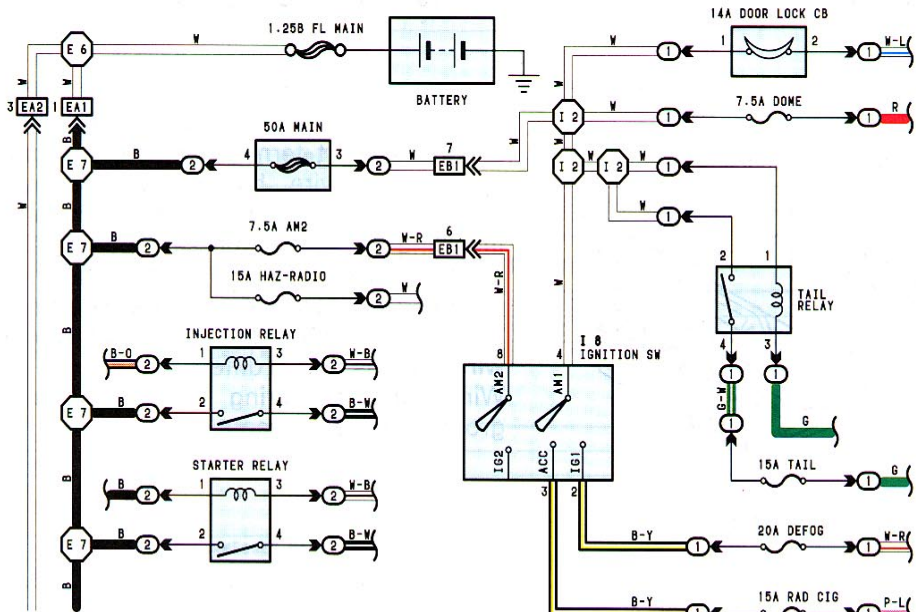
H POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.

The next page and following pages shown the parts to which each electrical source outputs current.

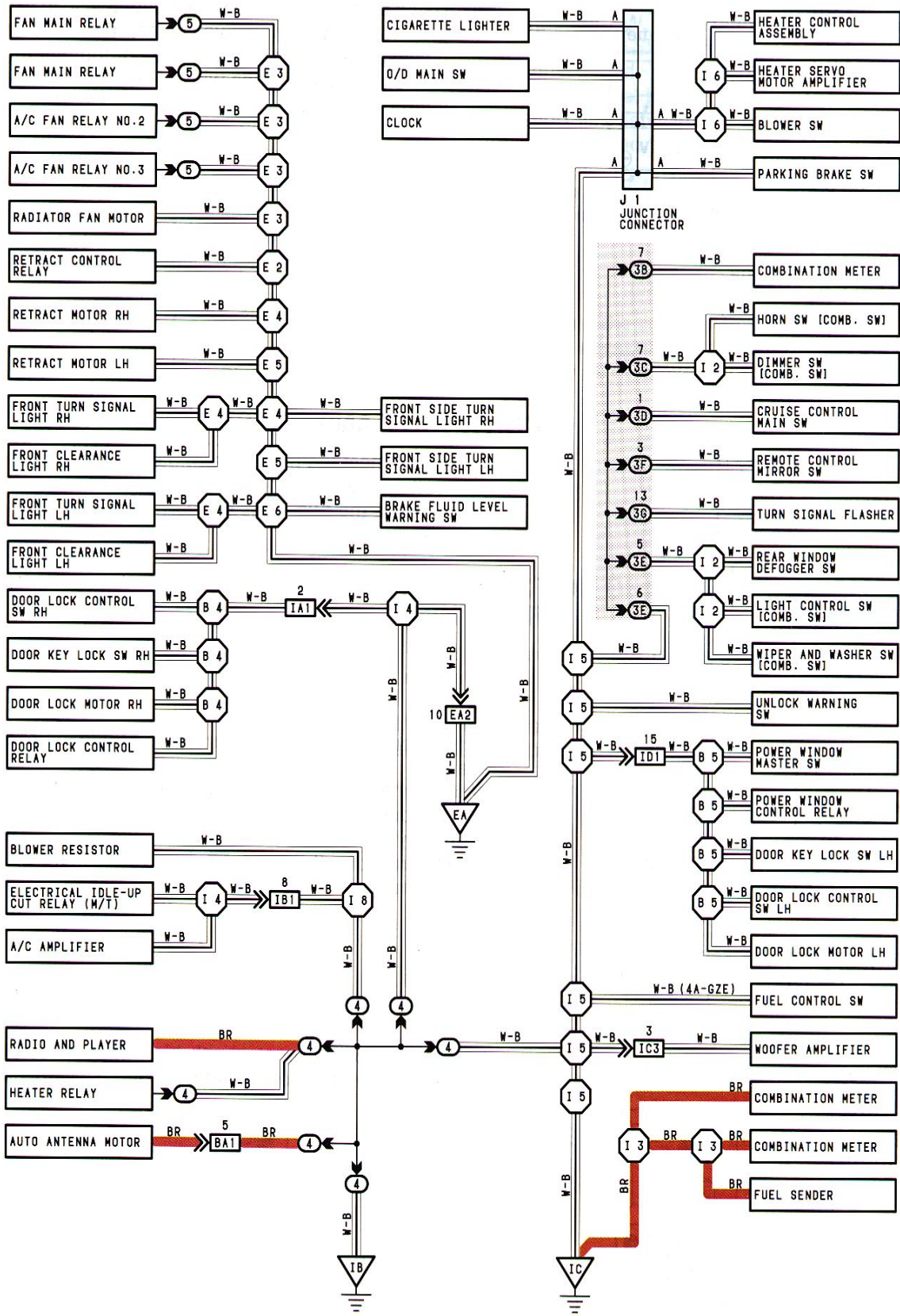


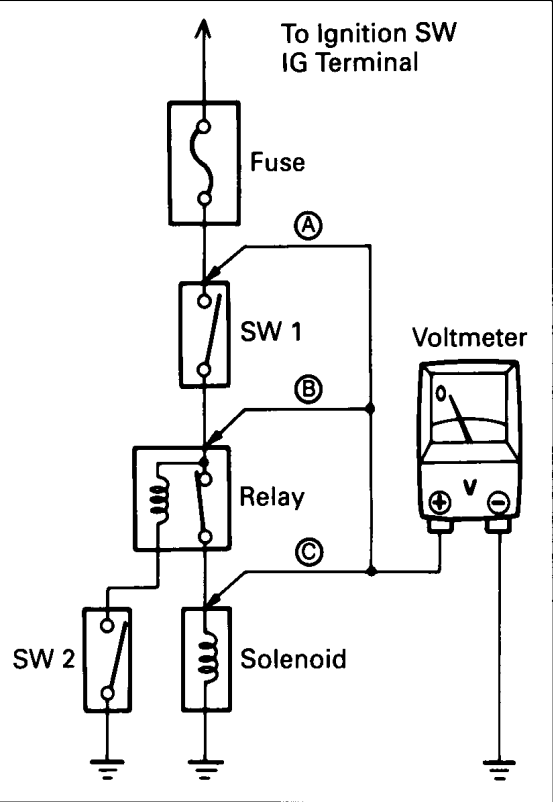
POWER SOURCE



The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA, IB and IC shown below) can also be checked this way.

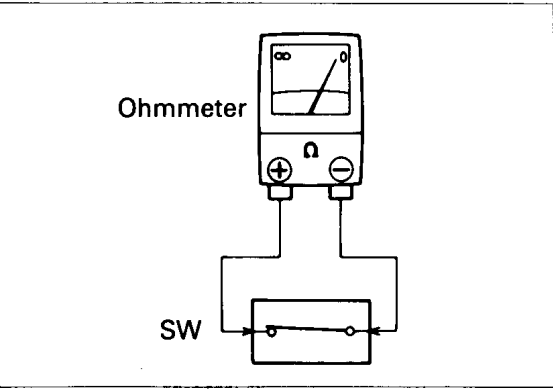
J GROUND POINT





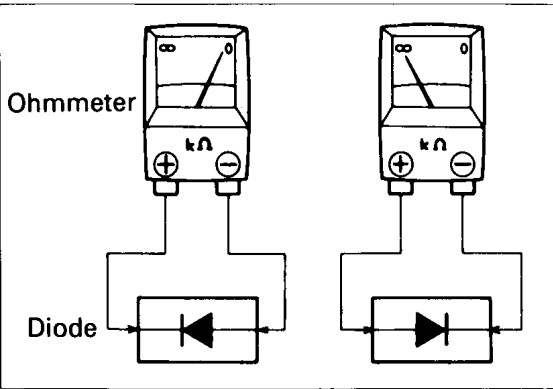
VOLTAGE CHECK

- (a) Establish conditions in which voltage is present at the check point.
- Example:
 - (A) – Ignition SW on
 - (B) – Ignition SW and SW 1 on
 - (C) – Ignition SW, SW 1 and Relay on (SW 2 off)
- (b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal. This check can be done with a test a light instead of a voltmeter.

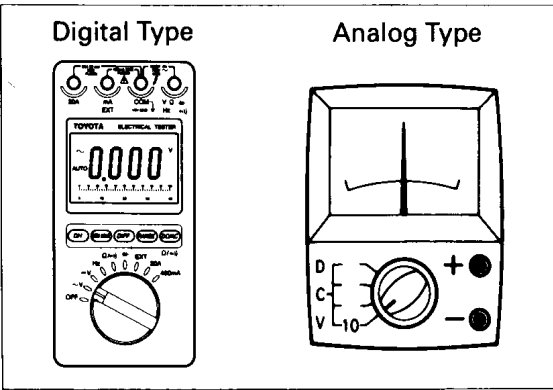


CONTINUITY AND RESISTANCE CHECK

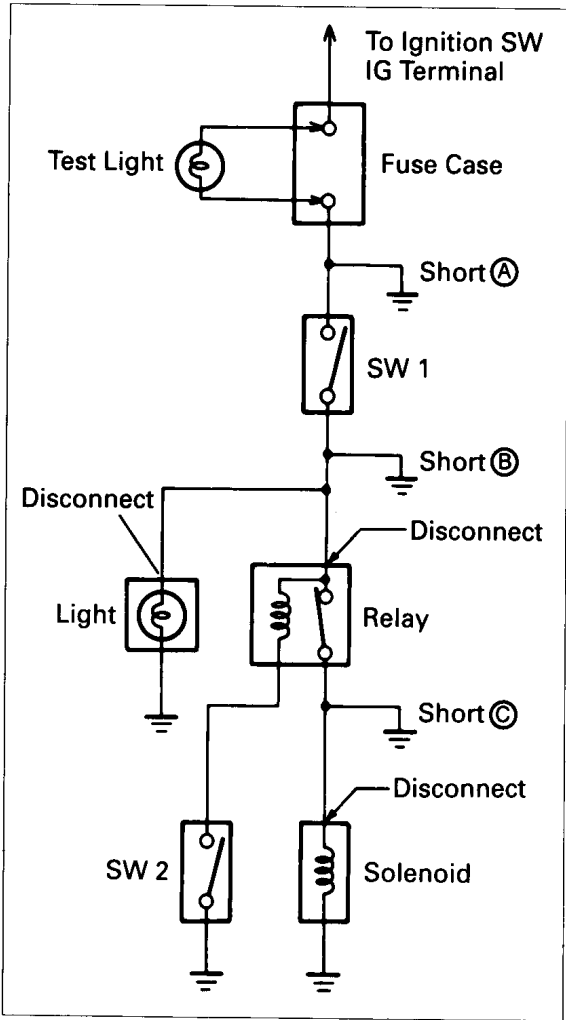
- (a) Disconnect the battery terminal or wire so there is no voltage between the check points.
- (b) Contact the two leads of an ohmmeter to each of the check points.



If the circuit has diodes, reverse the two leads and check again.
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.
When contacting the two leads in reverse, there should be no continuity.



- (c) Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting of the electrical circuit.



FINDING A SHORT CIRCUIT

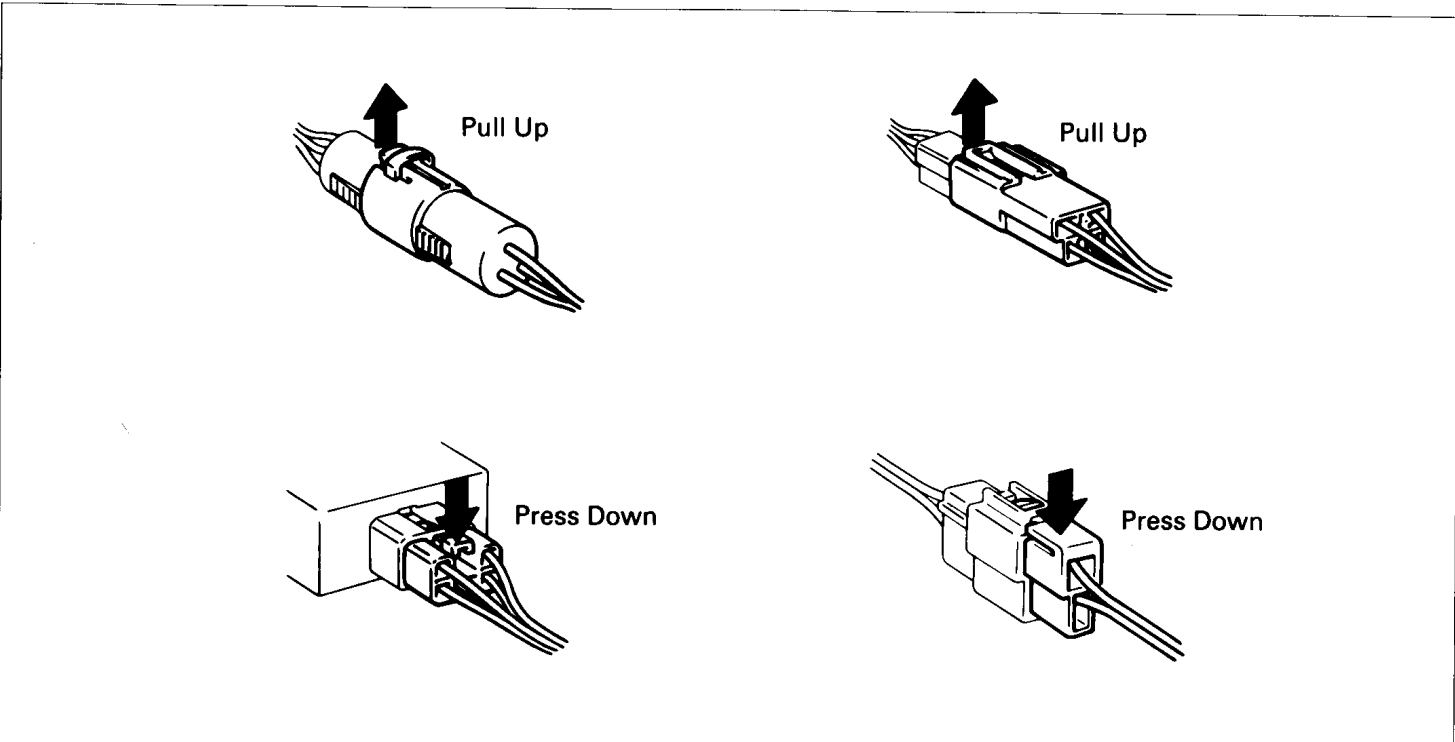
- (a) Remove the blown fuse and disconnect all loads of the fuse.
- (b) Connect a test light in place of the fuse.
- (c) Establish conditions in which the test light comes on.
- Example:
 - (A) – Ignition SW on
 - (B) – Ignition SW and SW 1 on
 - (C) – Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)
- (d) Disconnect and reconnect the connectors while watching the test light. The short lies between the connector where the test light stays lit and the connector where the light goes out.
- (e) Find the exact location of the short by lightly shaking the problem wire along the body.

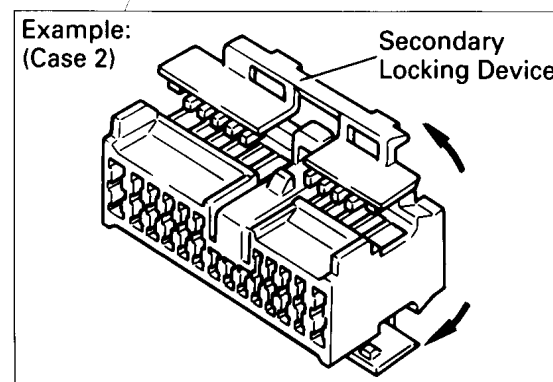
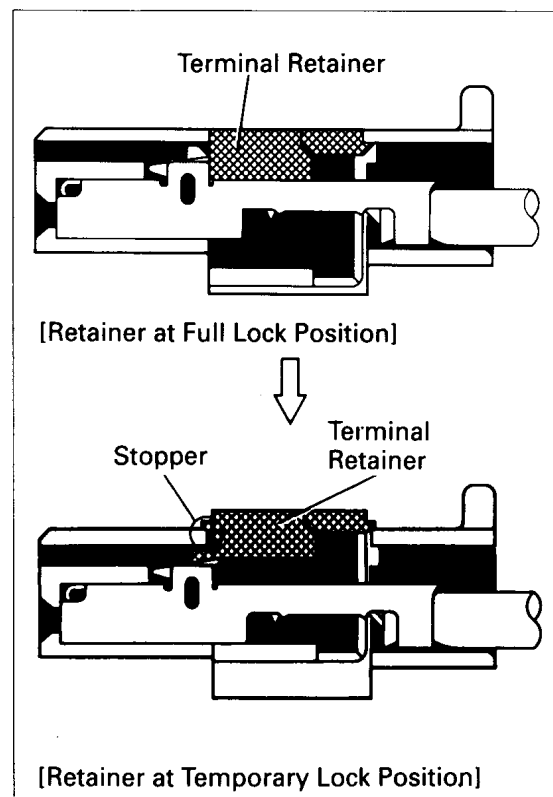
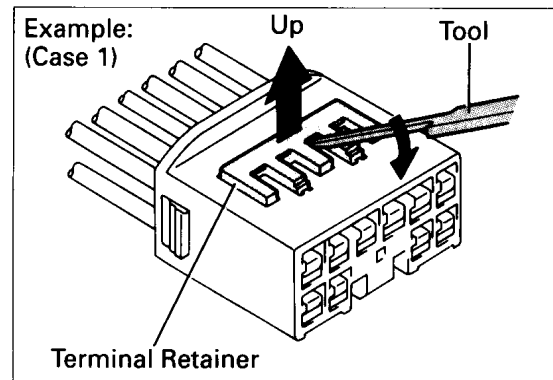
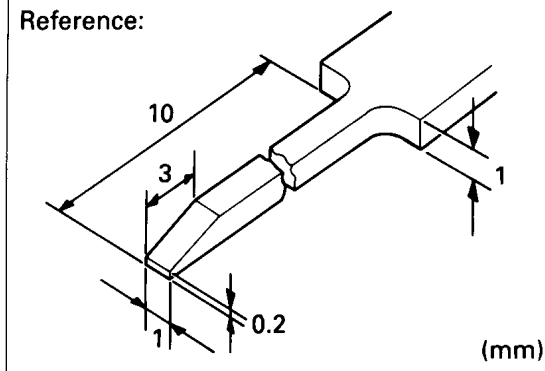
CAUTION:
Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

HINT: Check to see what kind of connector you are disconnecting before pulling apart.





HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

1. PREPARE THE SPECIAL TOOL

HINT: To remove the terminal from the connector, please construct and use the special tool or like object shown on the left.

2. DISCONNECT CONNECTOR

3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

- Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.
- Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

NOTICE:

Do not remove the terminal retainer from connector body.

Ⓐ For Non-Waterproof Type Connector

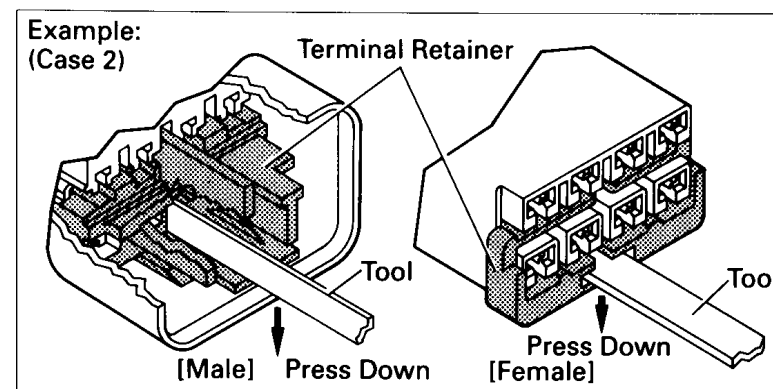
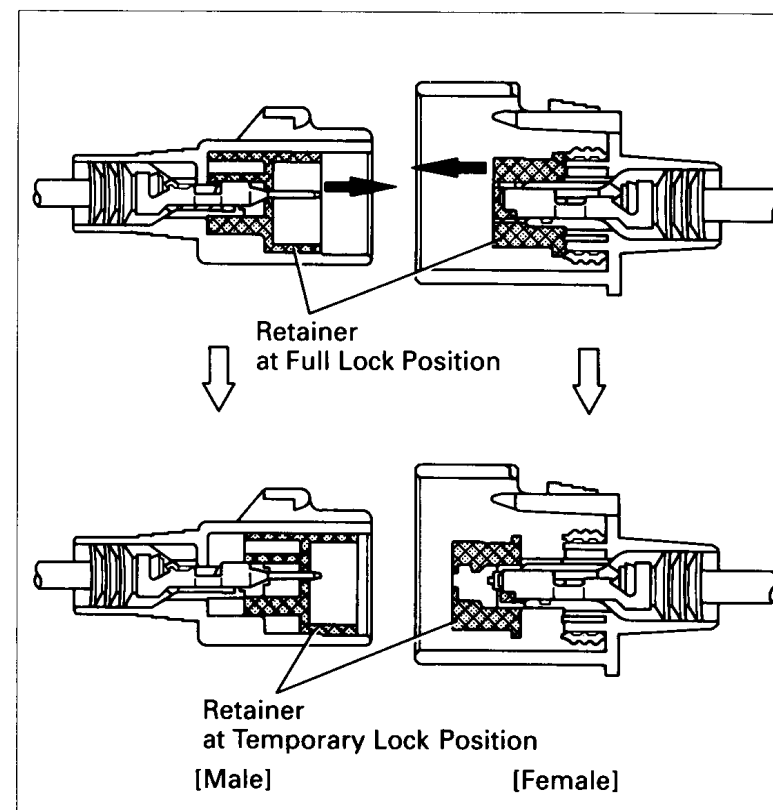
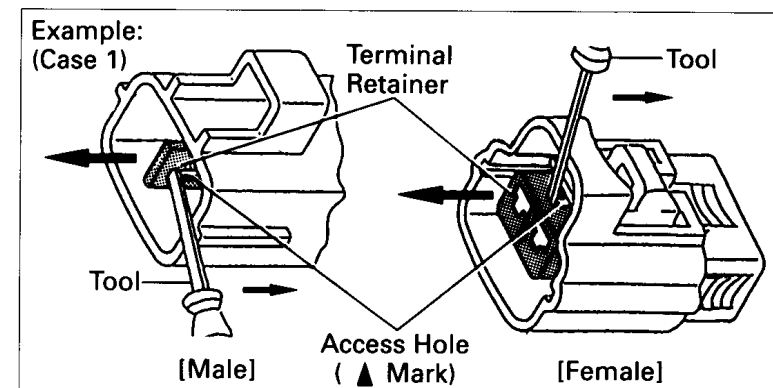
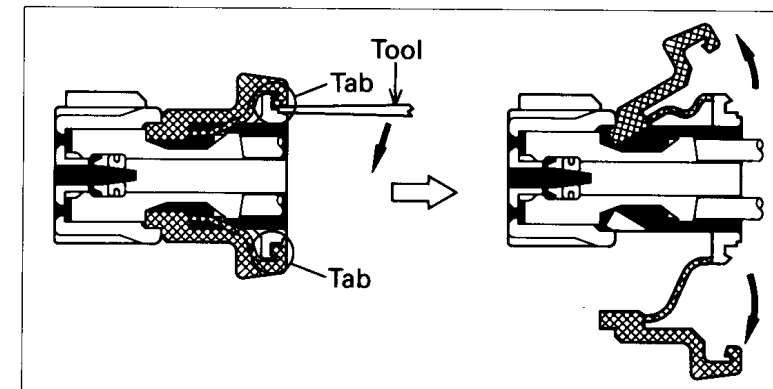
HINT: The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

"Case 1"

Raise the terminal retainer up to the temporary lock position.

"Case 2"

Open the secondary locking device.



Ⓑ For Waterproof Type Connector

HINT: Terminal retainer color is different according to connector body.

Example:

Terminal Retainer: Connector Body

Black or White : Gray

Black or White : Dark Gray

Gray or White : Black

"Case 1"

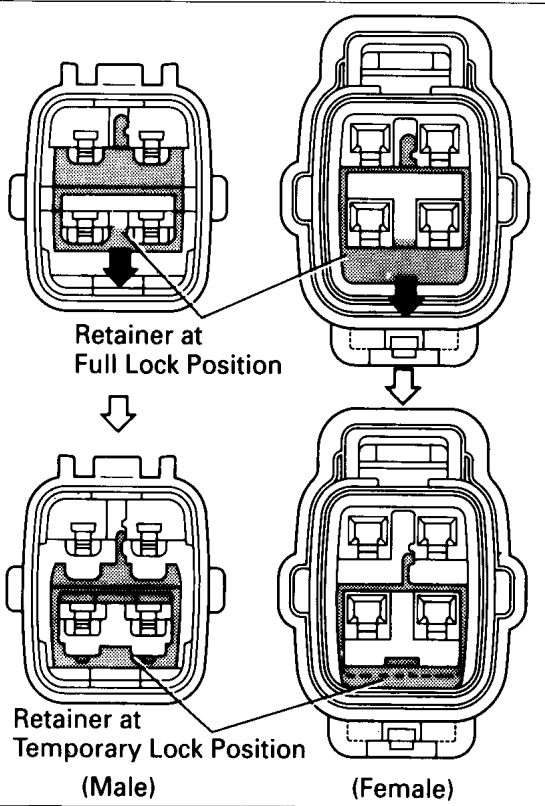
Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

Insert the special tool into the terminal retainer access hole (▲ Mark) and pull the terminal retainer up to the temporary lock position.

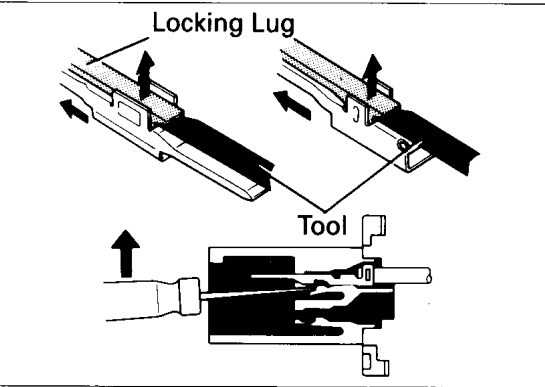
HINT: The needle insertion position varies according to the connector's shape (Number of terminals etc.), so check the position before inserting it.

"Case 2"

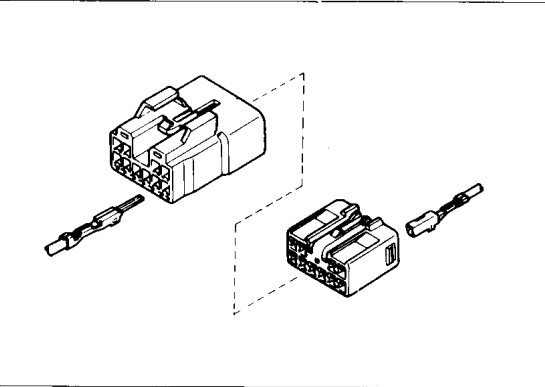
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.

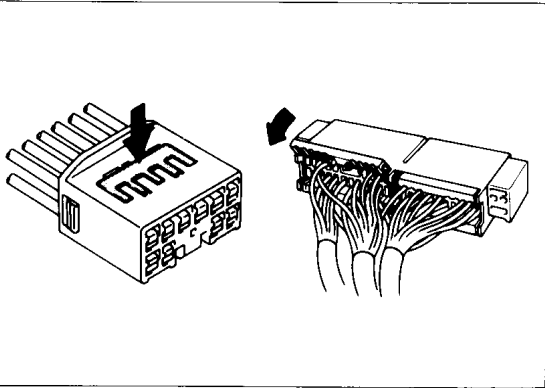


(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR
(a) Insert the terminal.

HINT:
1. Make sure the terminal is positioned correctly.
2. Insert the terminal until the locking lug locks firmly.
3. Insert the terminal with terminal retainer in the temporary lock position.



(b) Push the secondary locking device or terminal retainer in to the full lock position.

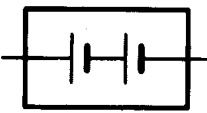
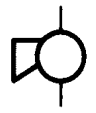
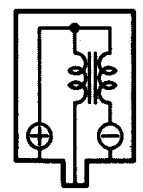
5. CONNECT CONNECTOR

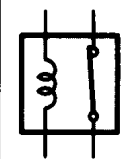
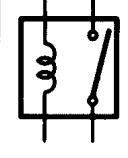
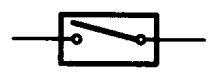
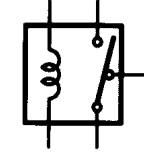
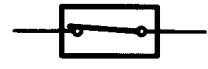
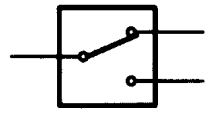
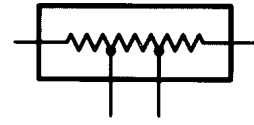
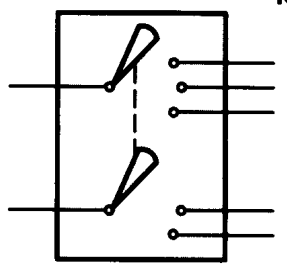
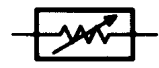
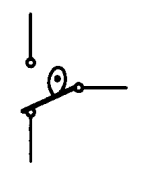
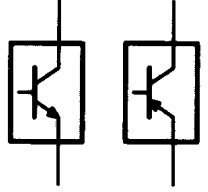
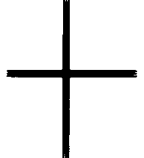
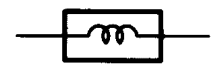
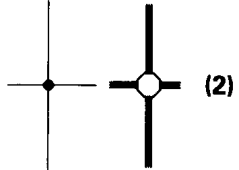
ABBREVIATIONS

The following abbreviations are used in this manual.

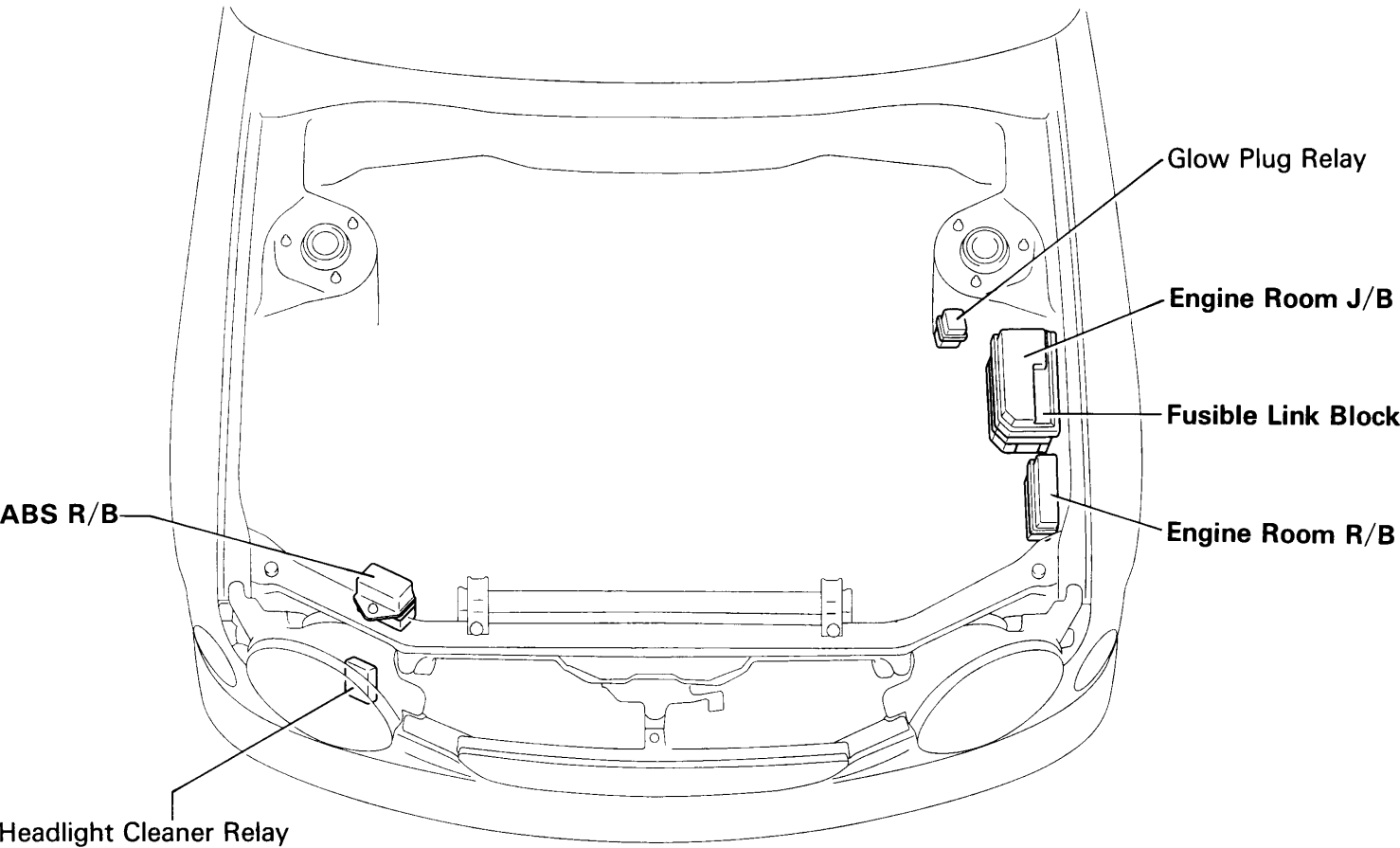
ABS	= Anti-Lock Brake System
A/C	= Air Conditioner
A/T	= Automatic Transaxle
CIS	= Commonwealth of Independent States
COMB.	= Combination
DIFF.	= Differential
ECU	= Electronic Control Unit
EFI	= Electronic Fuel Injection
EGR	= Exhaust Gas Recirculation
ESA	= Electronic Spark Advance
EVAP	= Evaporative Emission
EVRV	= Electronic Vacuum Regulating Valve
FL	= Fusible Link
H/B	= Hatchback Type
IC	= Integrated Circuit
I/A	= Integrated Ignition Assembly
ISC	= Idle Speed Control
J/B	= Junction Block
L/B	= Liftback Type
LH	= Left-Hand
LHD	= Left-Hand Drive
M/T	= Manual Transaxle
O/D	= Overdrive
PTC	= Positive Temperature Coefficient
R/B	= Relay Block
RH	= Right-Hand
RHD	= Right-Hand Drive
S/D	= Sedan Type
SRS	= Supplemental Restraint System
SW	= Switch
TDC	= Top Dead Center
TEMP.	= Temperature
TWC	= Three Way Catalytic Converter
VSV	= Vacuum Switching Valve
w/	= With
W/G	= Wagon Type
w/o	= Without
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.

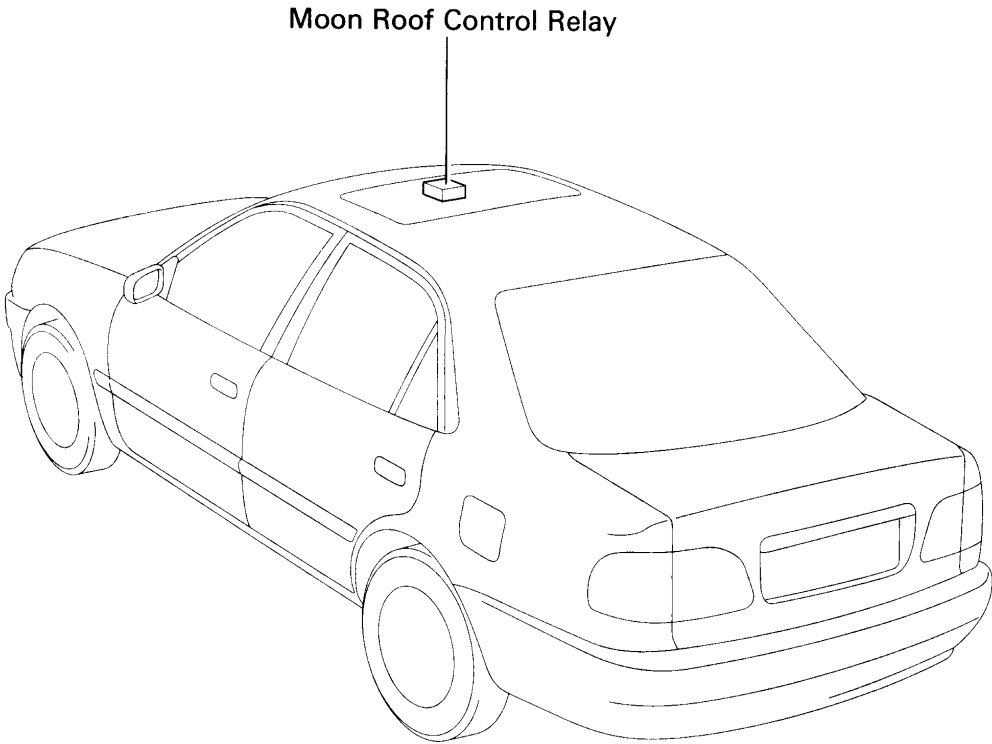
 BATTERY Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.	 HEADLIGHTS 1. SINGLE FILAMENT Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament.
 CAPACITOR (Condenser) A small holding unit for temporary storage of electrical voltage.	 2. DOUBLE FILAMENT
 CIGARETTE LIGHTER An electric resistance heating element.	 HORN An electric device which sounds a loud audible signal.
 CIRCUIT BREAKER Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.	 IGNITION COIL Converts low-voltage DC current into high-voltage ignition current for firing the spark plugs.
 DIODE A semiconductor which allows current flow in only one direction.	
 DIODE, ZENER A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.	 LIGHT Current flow through a filament causes the filament to heat up and emit light.
 DISTRIBUTOR, IIA Channels high-voltage current from the ignition coil to the individual spark plugs.	 LED (LIGHT EMITTING DIODE) Upon current flow, these diodes emit light without producing the heat of a comparable light.
 FUSE A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.	 METER, ANALOG Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.
  FUSIBLE LINK A heavy-gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the cross-section surface area of the wires.	 METER, DIGITAL Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.
 GROUND The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.	 MOTOR A power unit which converts electrical energy into mechanical energy, especially rotary motion.

 RELAY 1. NORMALLY CLOSED Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.	 SPEAKER An electromechanical device which creates sound waves from current flow.
 2. NORMALLY OPEN	 SWITCH, MANUAL Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.
 RELAY, DOUBLE THROW A relay which passes current through one set of contacts or the other.	 1. NORMALLY OPEN  2. NORMALLY CLOSED
 RESISTOR An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.	 SWITCH, DOUBLE THROW A switch which continuously passes current through one set of contacts or the other.
 RESISTOR, TAPPED A resistor which supplies two or more different non adjustable resistance values.	 SWITCH, IGNITION A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.
 RESISTOR, VARIABLE or RHEOSTAT A controllable resistor with a variable rate of resistance. Also called a potentiometer or rheostat.	
 SENSOR (Thermistor) A resistor which varies its resistance with temperature.	 SWITCH, WIPER PARK Automatically returns wipers to the stop position when the wiper switch is turned off.
 SENSOR, SPEED Uses magnetic impulses to open and close a switch to create a signal for activation of other components.	 TRANSISTOR A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at "base".
 SHORT PIN Used to provide an unbroken connection within a junction block.	 WIRES (1) NOT CONNECTED Wires are always drawn as straight lines on wiring diagrams. Crossed wires (1) without a black dot at the junction are not joined;
 SOLENOID An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.	 (2) SPLICED crossed wires (2) with a black dot or octagonal (O) mark at the junction are spliced (joined) connections.

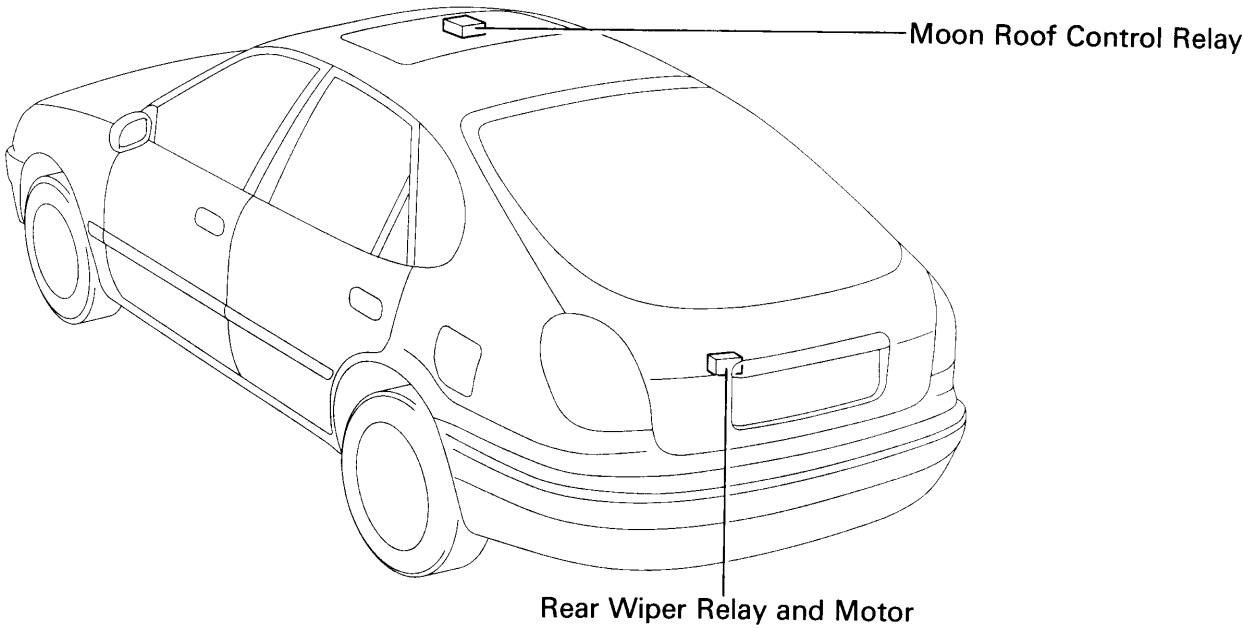
[Engine Compartment]



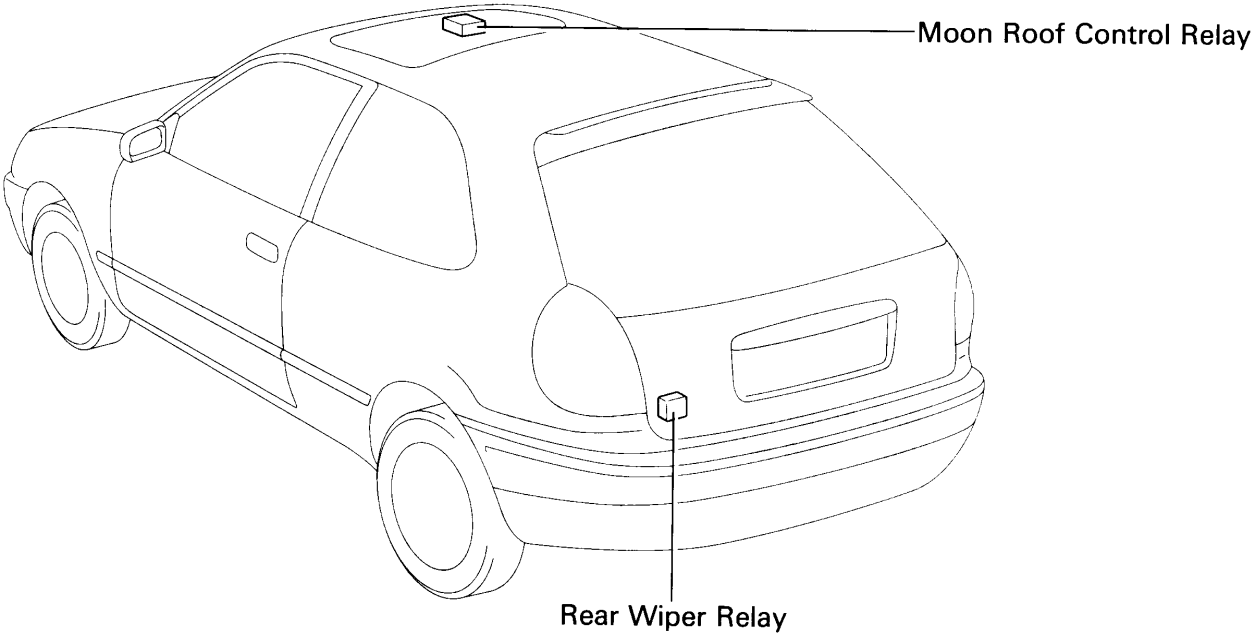
[Body]
(S/D)



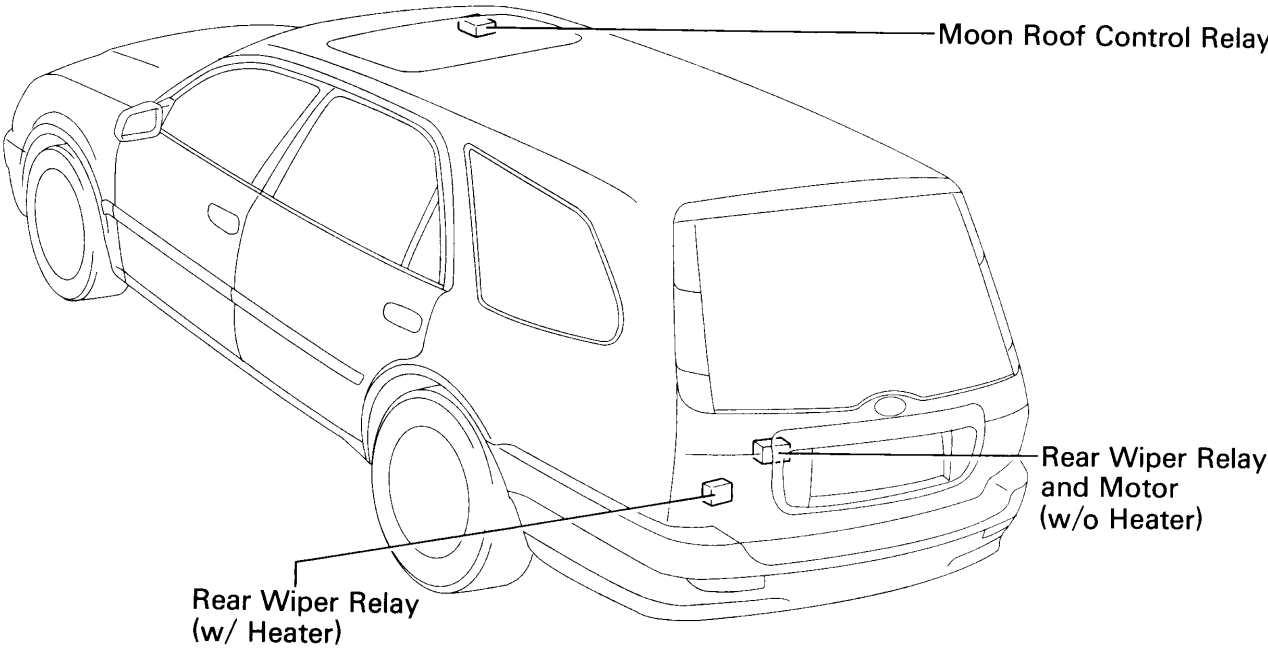
[Body]
(L/B)



(H/B)

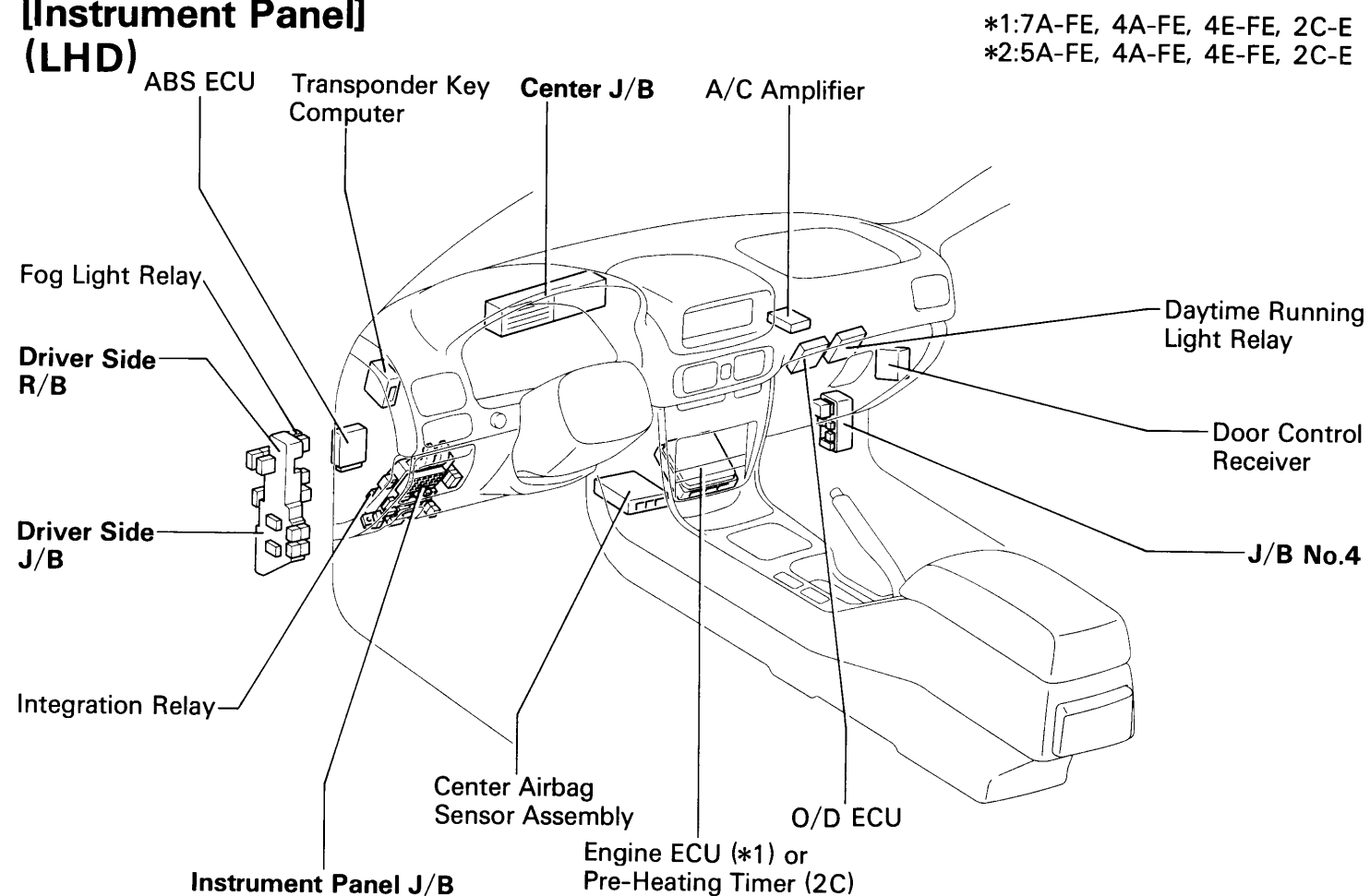


(W/G)

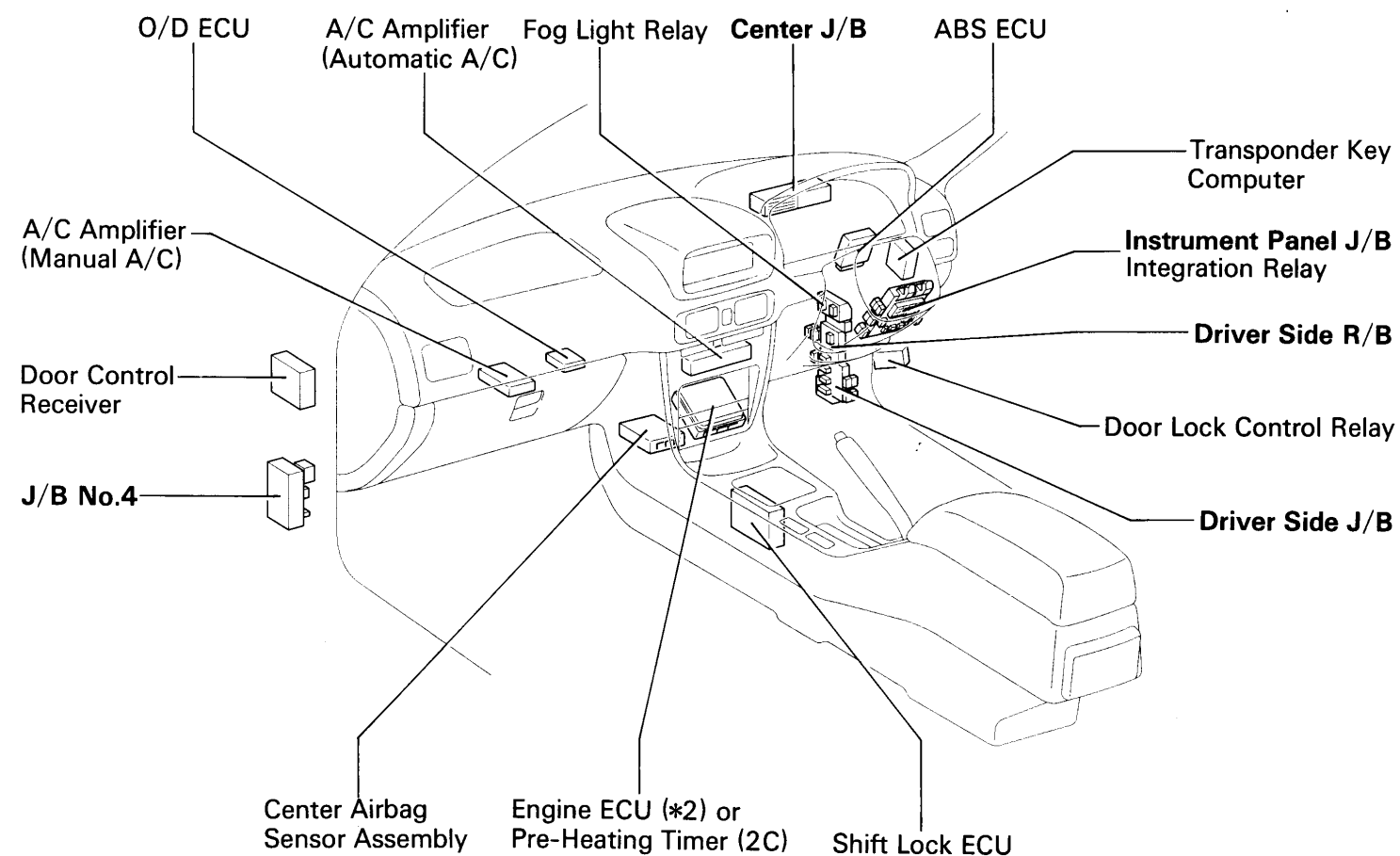


F RELAY LOCATIONS

[Instrument Panel] (LHD)



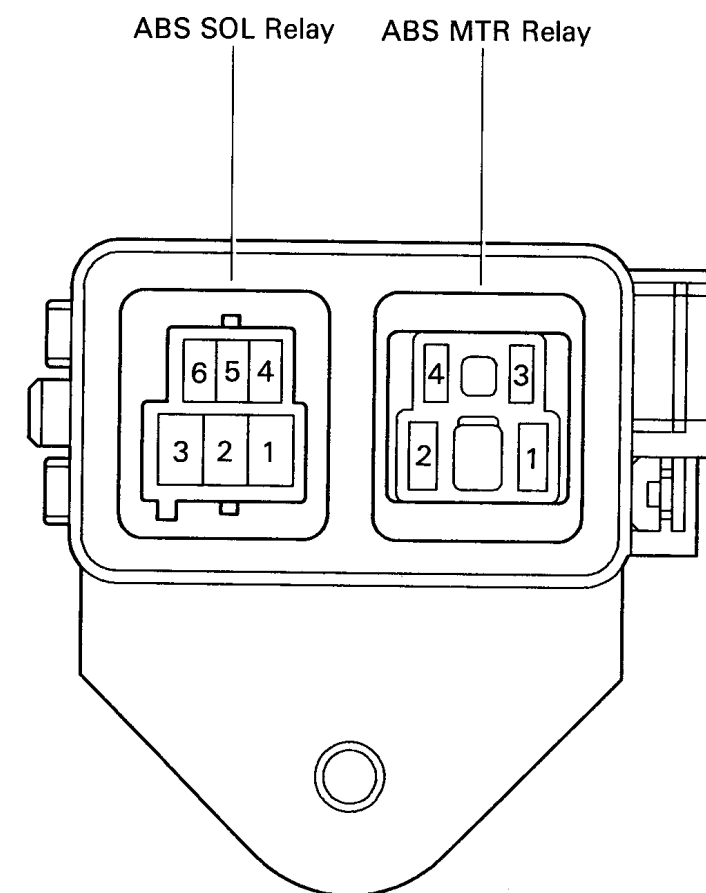
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⑥: ABS R/B

(Europe)

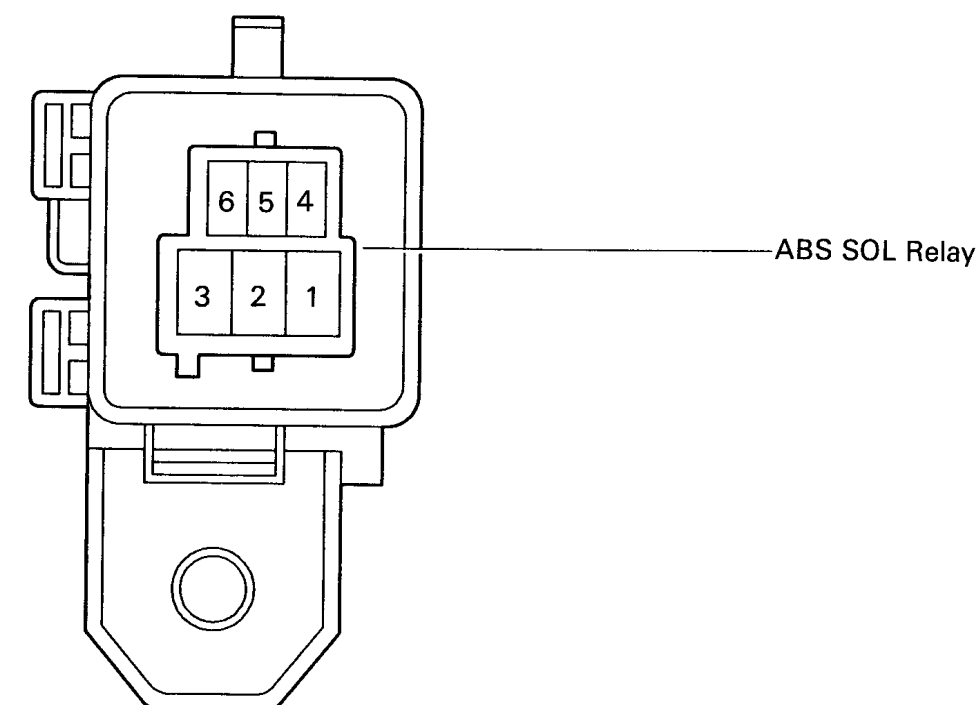
Radiator Support RH (See Page 50)



⑥: ABS R/B

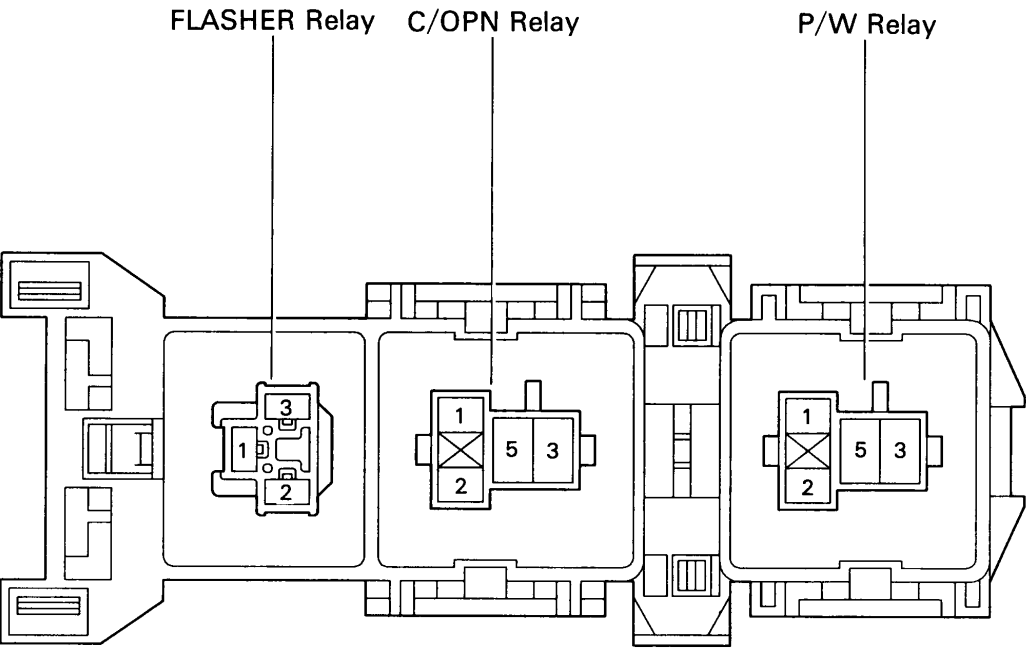
(Except Europe)

Radiator Support RH (See Page 50)



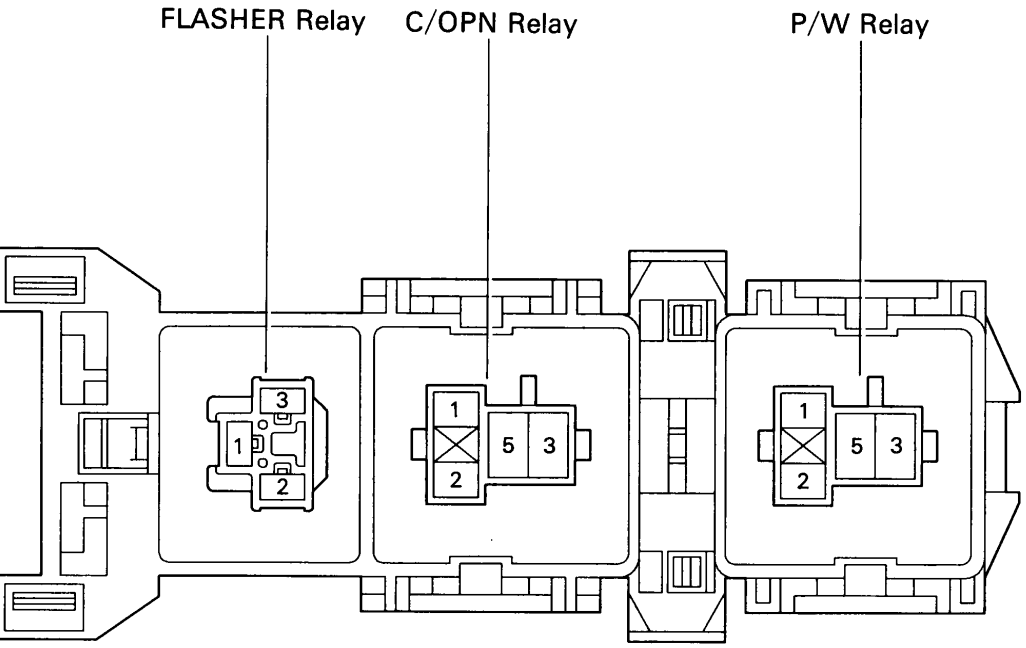
①: Driver Side R/B Left Kick Panel (See Page 52)

(LHD)



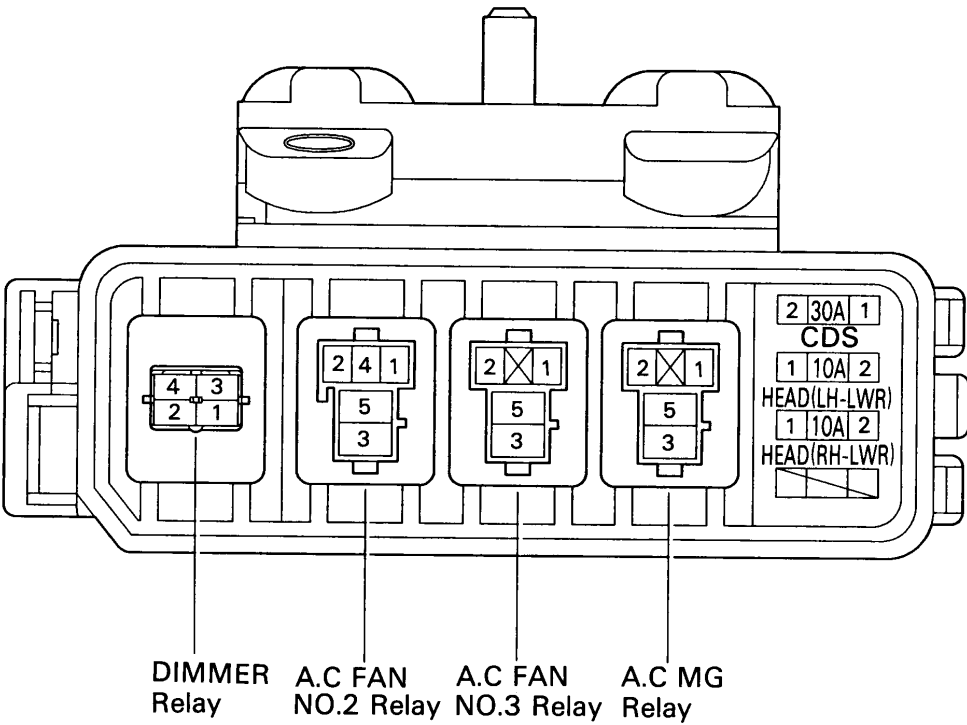
①: Driver Side R/B Right Kick Panel (See Page 52)

(RHD)



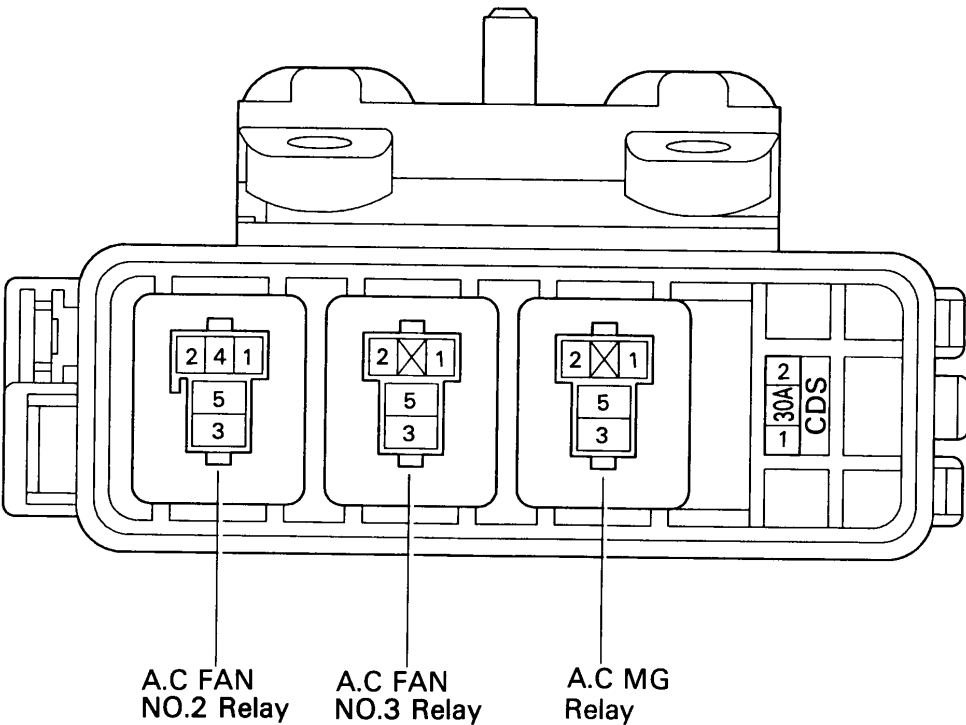
⑤: Engine Room R/B Engine Compartment Left (See Page 50)

(w/ Daytime Running Light)

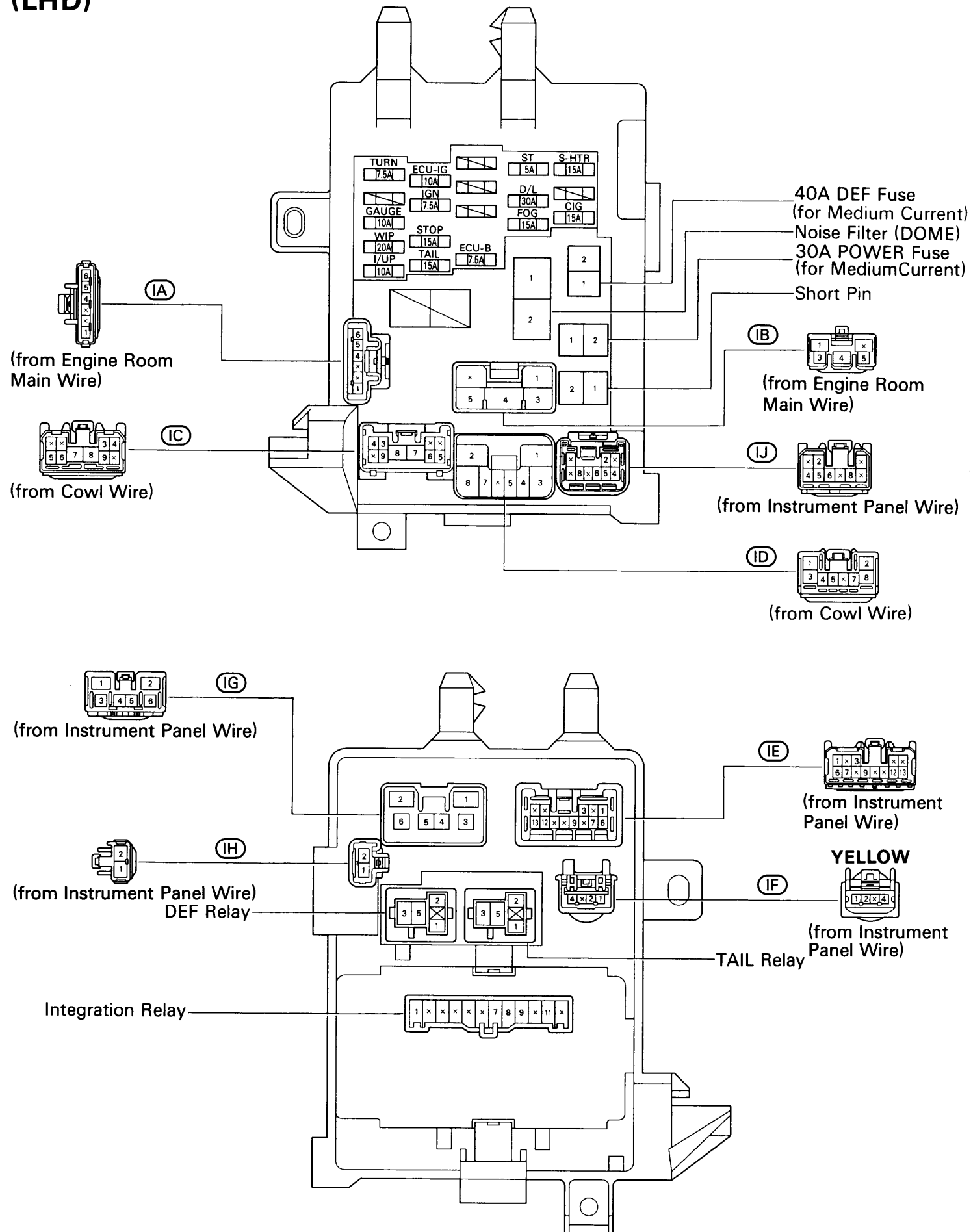


⑤: Engine Room R/B Engine Compartment Left (See Page 50)

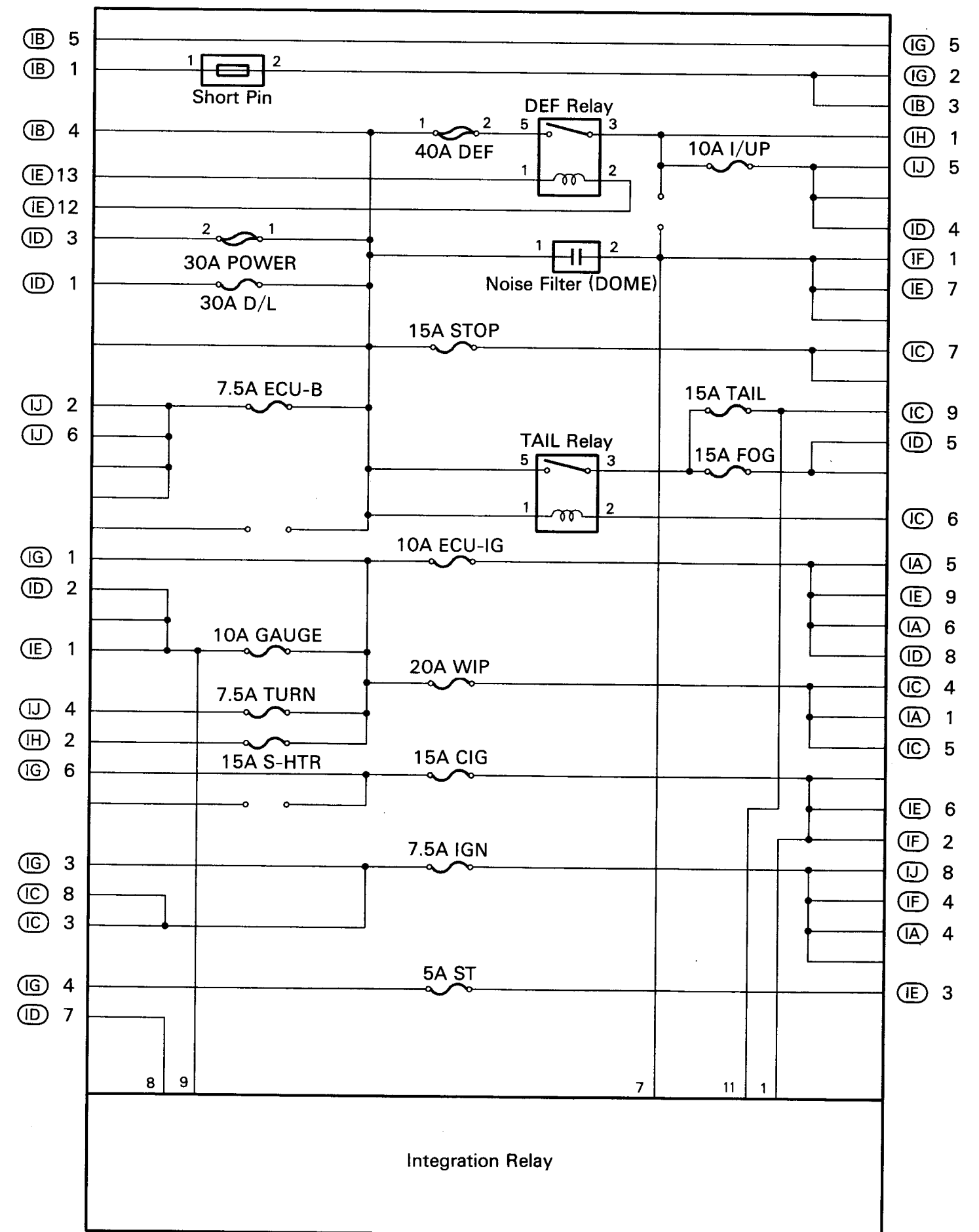
(w/o Daytime Running Light)



○: Instrument Panel J/B Lower Finish Panel (See Page 52)
(LHD)



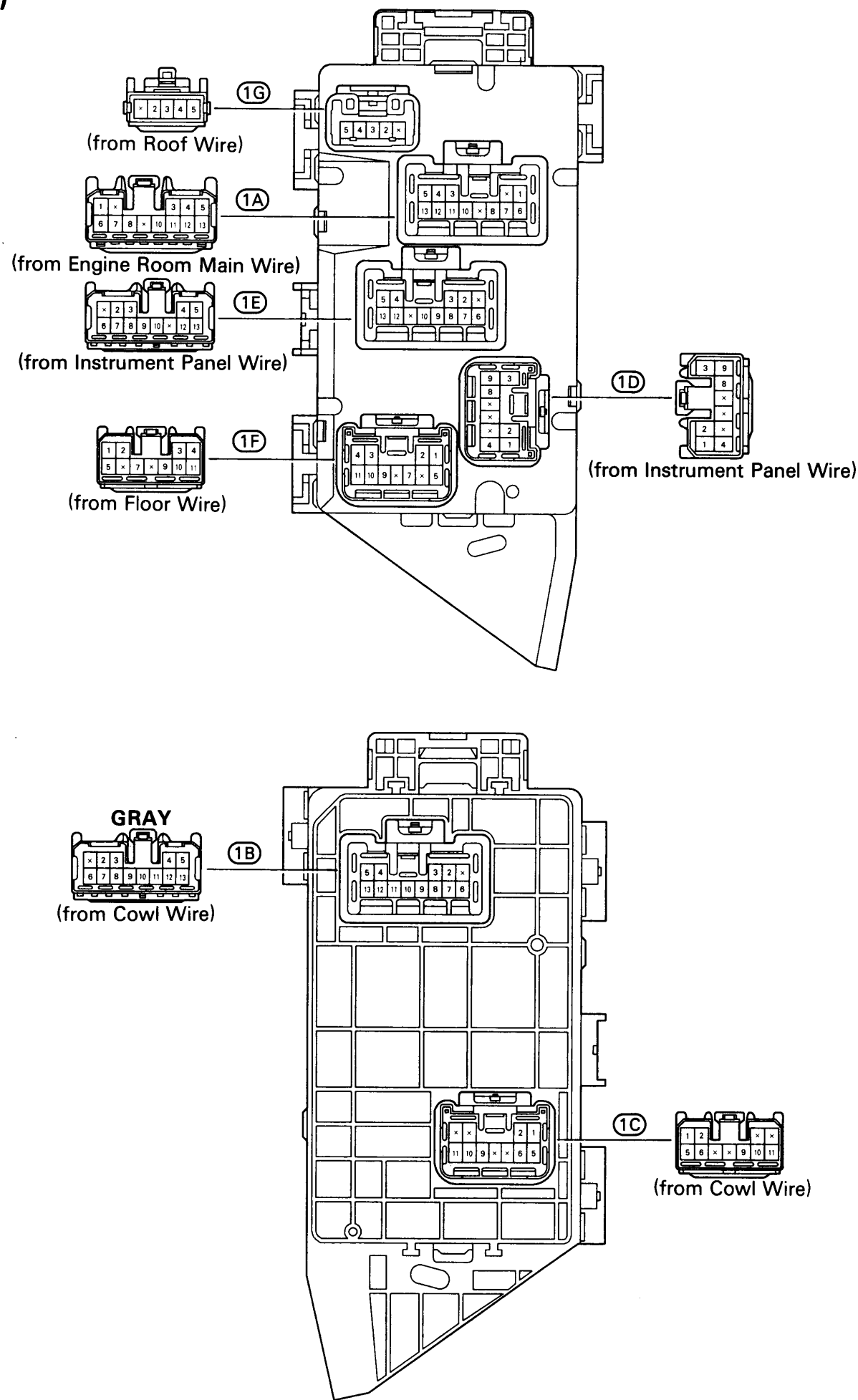
[Instrument Panel J/B Inner Circuit](LHD)



F RELAY LOCATIONS

○: Driver Side J/B Left Kick Panel (See Page 52)

(LHD)

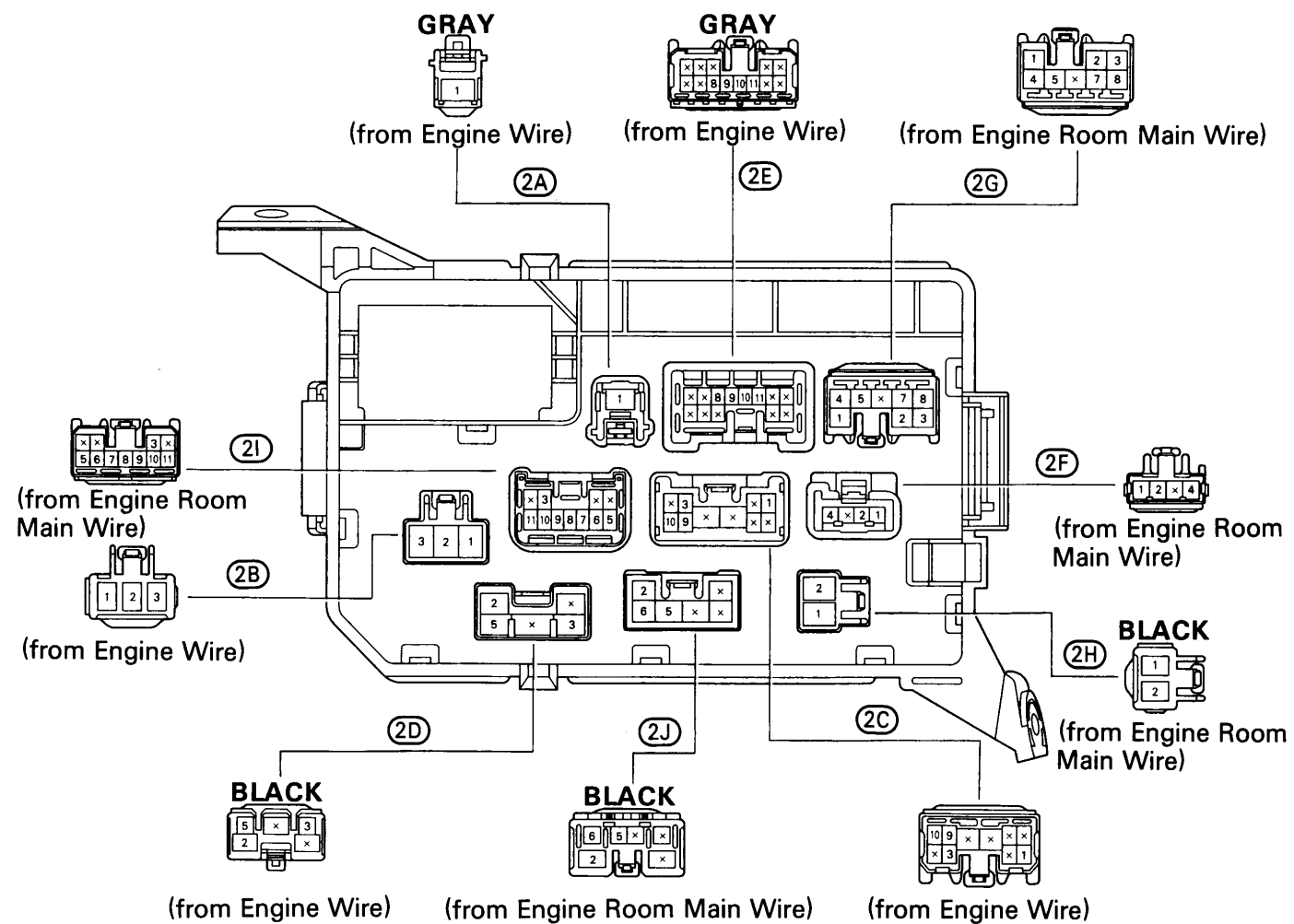
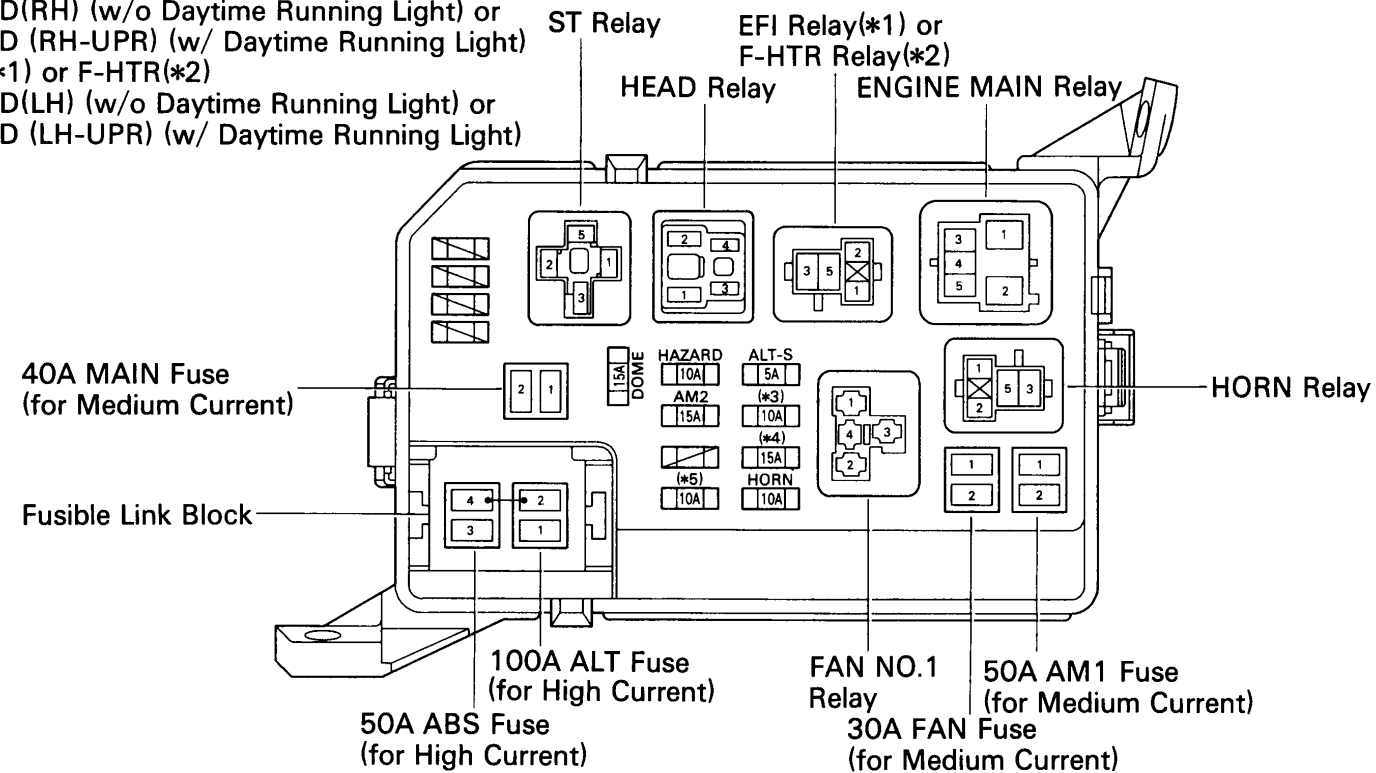


[Driver Side J/B Inner Circuit] (LHD)

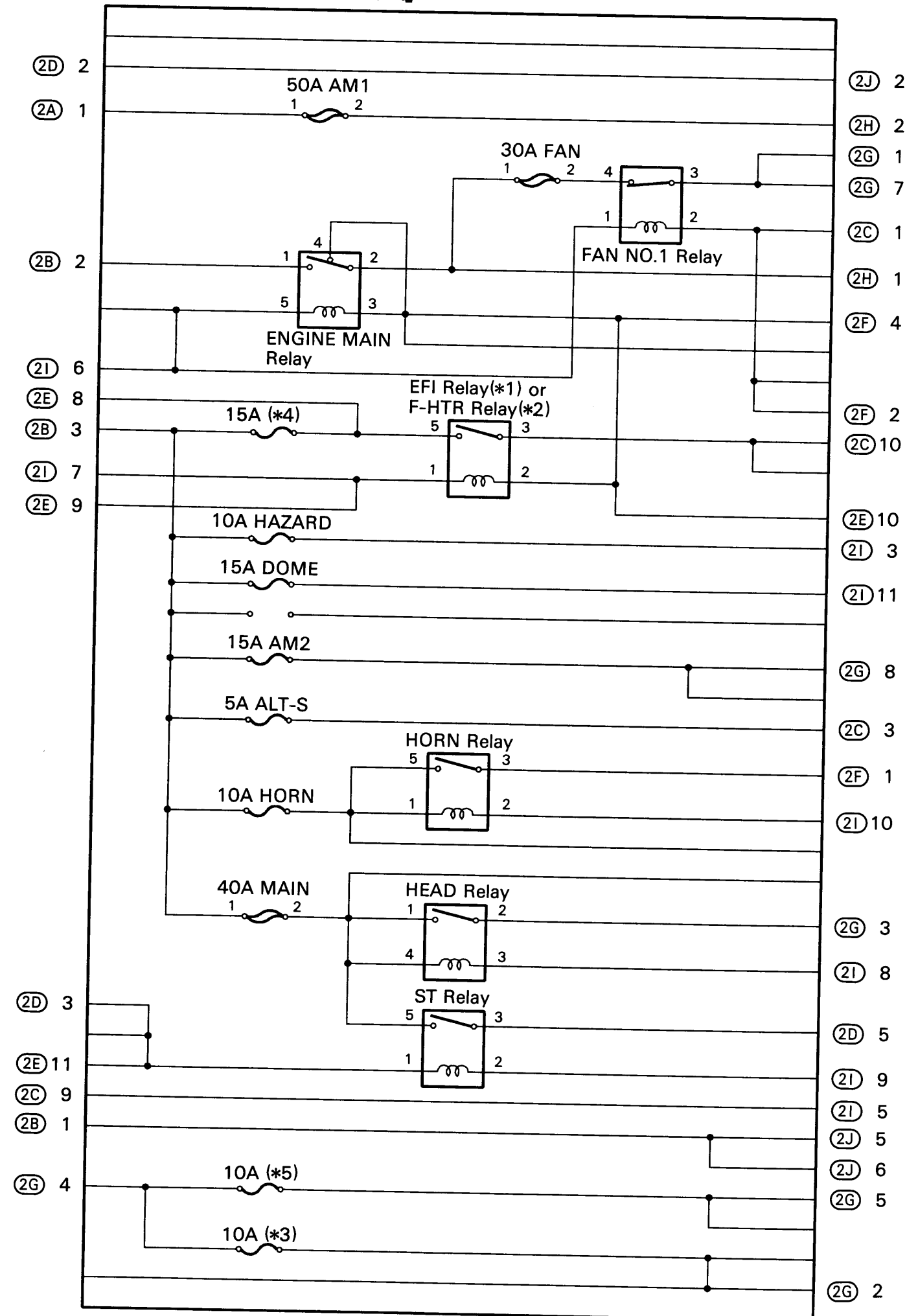
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1B 2		1E 2
1A 8		1B 7
1A 10		1A 5
1E 3		
1B 6		1A 3
1B 9		1F 10
1A 12		1A 11
		1D 4
1A 4		1F 2
1E 10		1C 6
		1F 9
1D 2		1G 3
1B 10		1B 11
1A 1		1D 3
1D 8		1F 5
1B 12		1A 7
1A 6		1D 9
1B 8		1F 1
1C 11		
1B 5		1F 7
		1D 1
1C 10		1B 4
1E 6		1E 7
1E 5		
1E 12		1C 1
1G 4		1F 11
1E 8		
1F 4		1E 9
1E 13		
1B 3		1G 2
1B 13		1C 2
1C 9		
1C 5		1F 3
		1G 5

F

***5:HEAD(LH) (w/o Daytime Running Light) or
HEAD (LH-UPR) (w/ Daytime Running Light)**

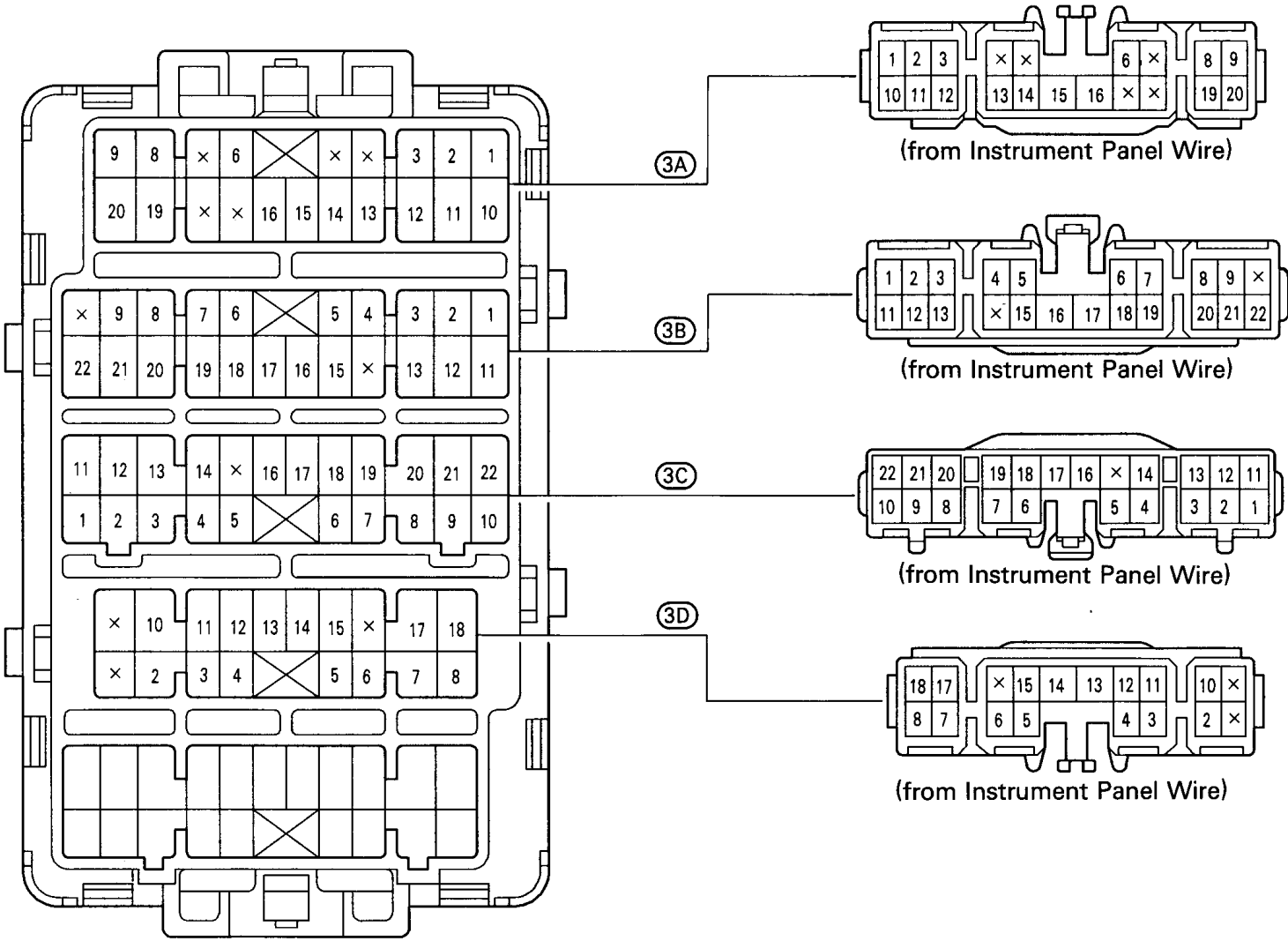


[Engine Room J/B Inner Circuit]

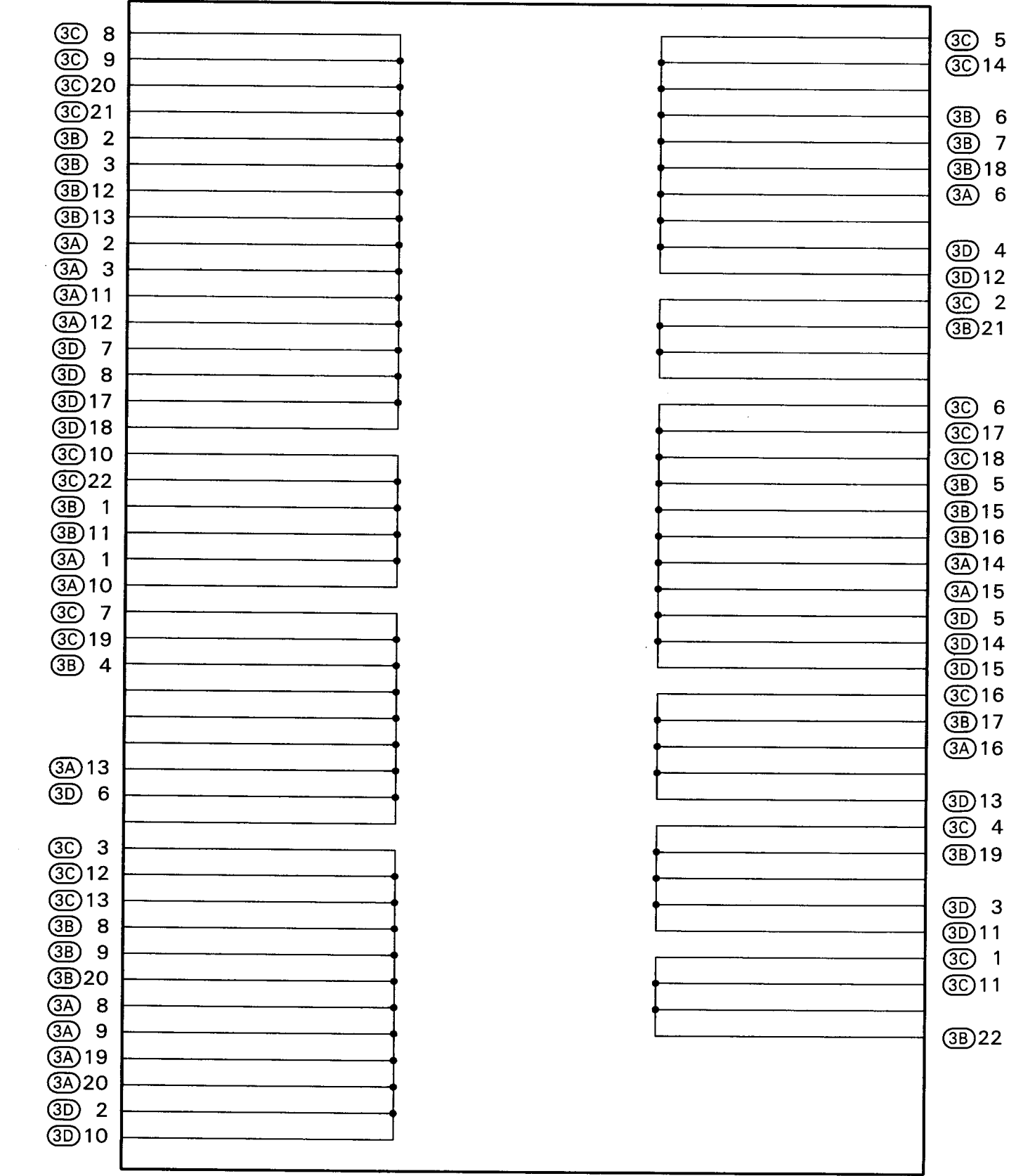


F RELAY LOCATIONS

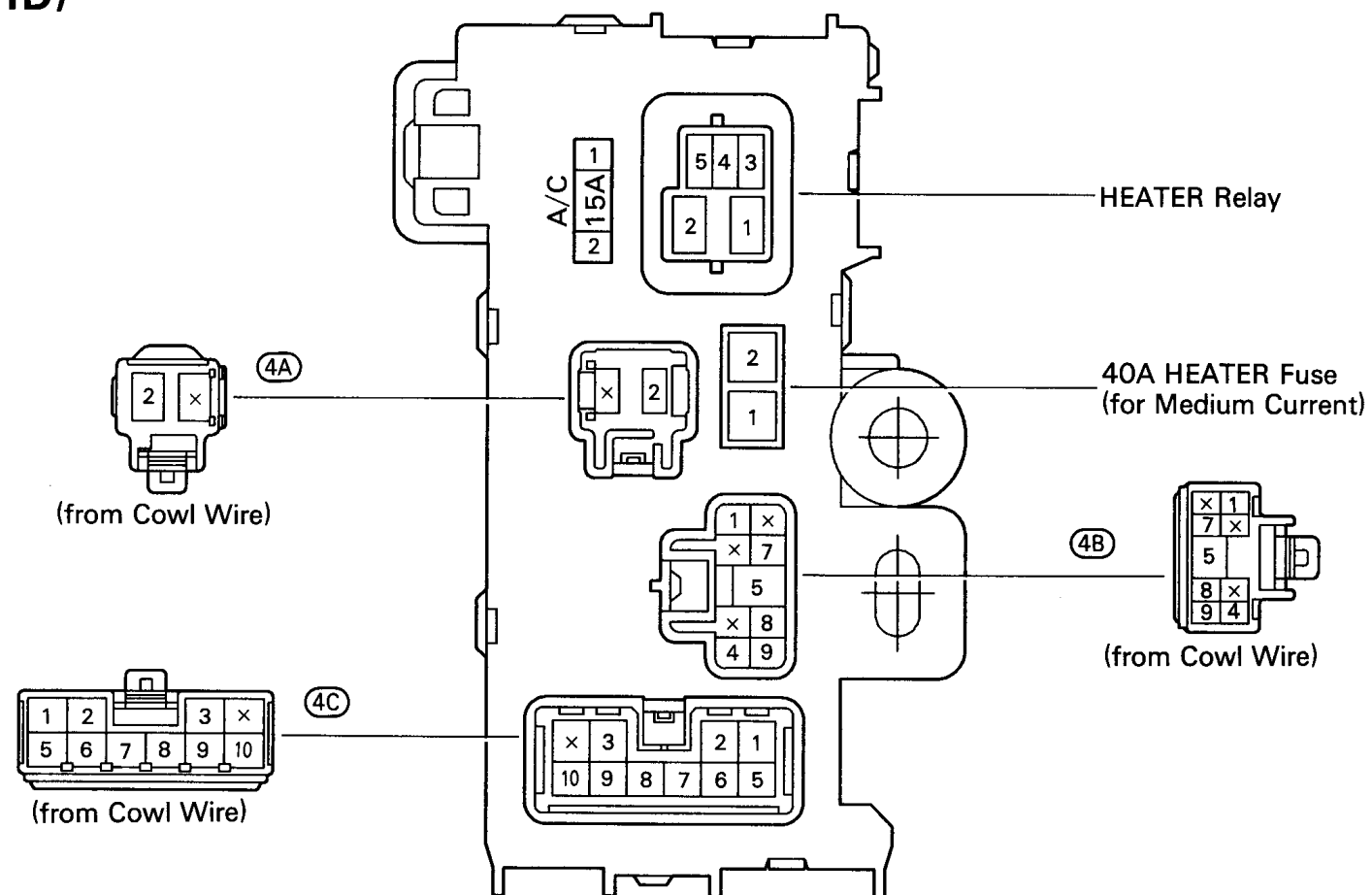
○: Center J/B Behind the Combination Meter (See Page 52)



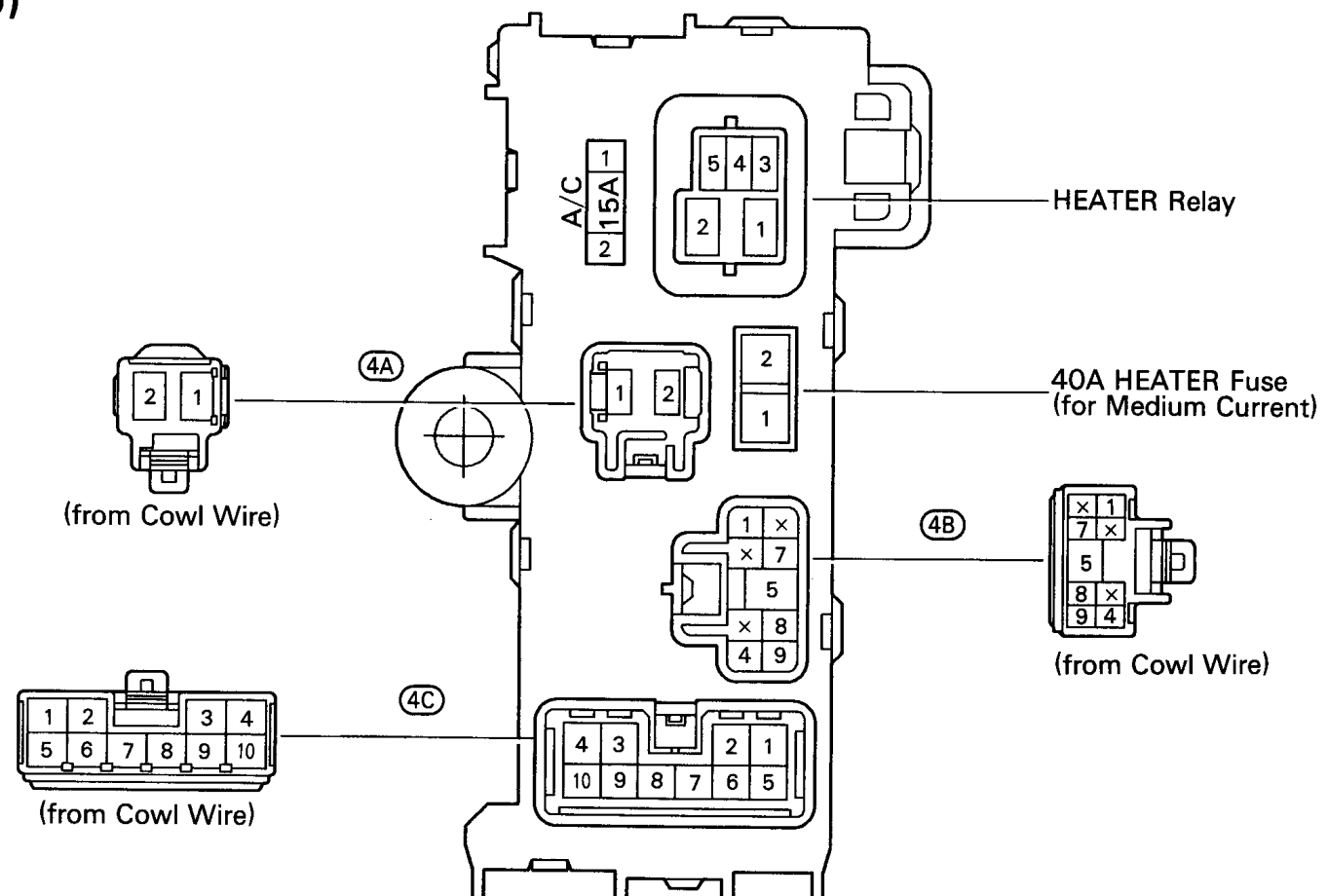
[Center J/B Inner Circuit]



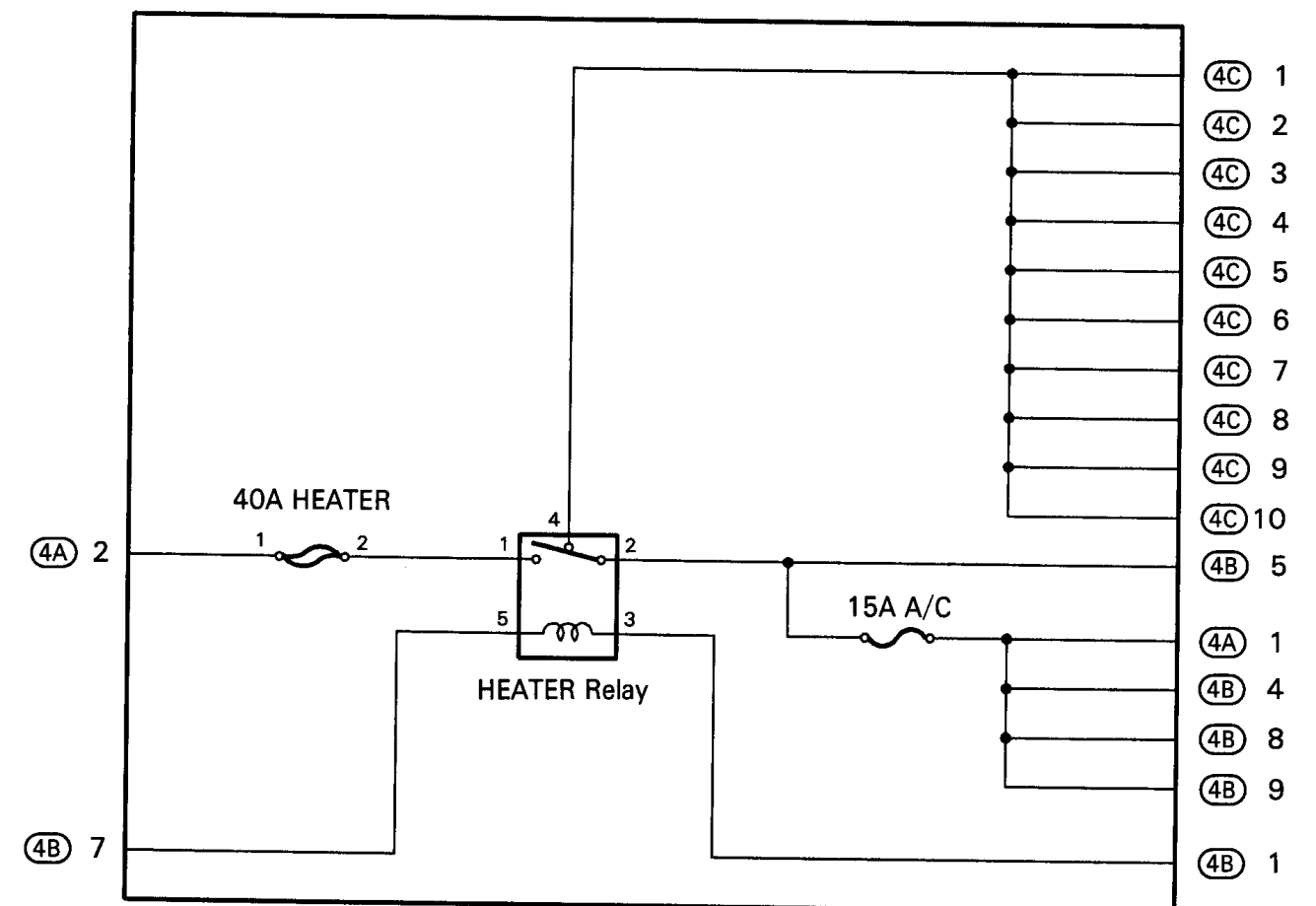
○: J/B No.4 Right Kick Panel (See Page 52)
(LHD)



○: J/B No.4 Left Kick Panel (See Page 52)
(RHD)



[J/B No.4 Inner Circuit]

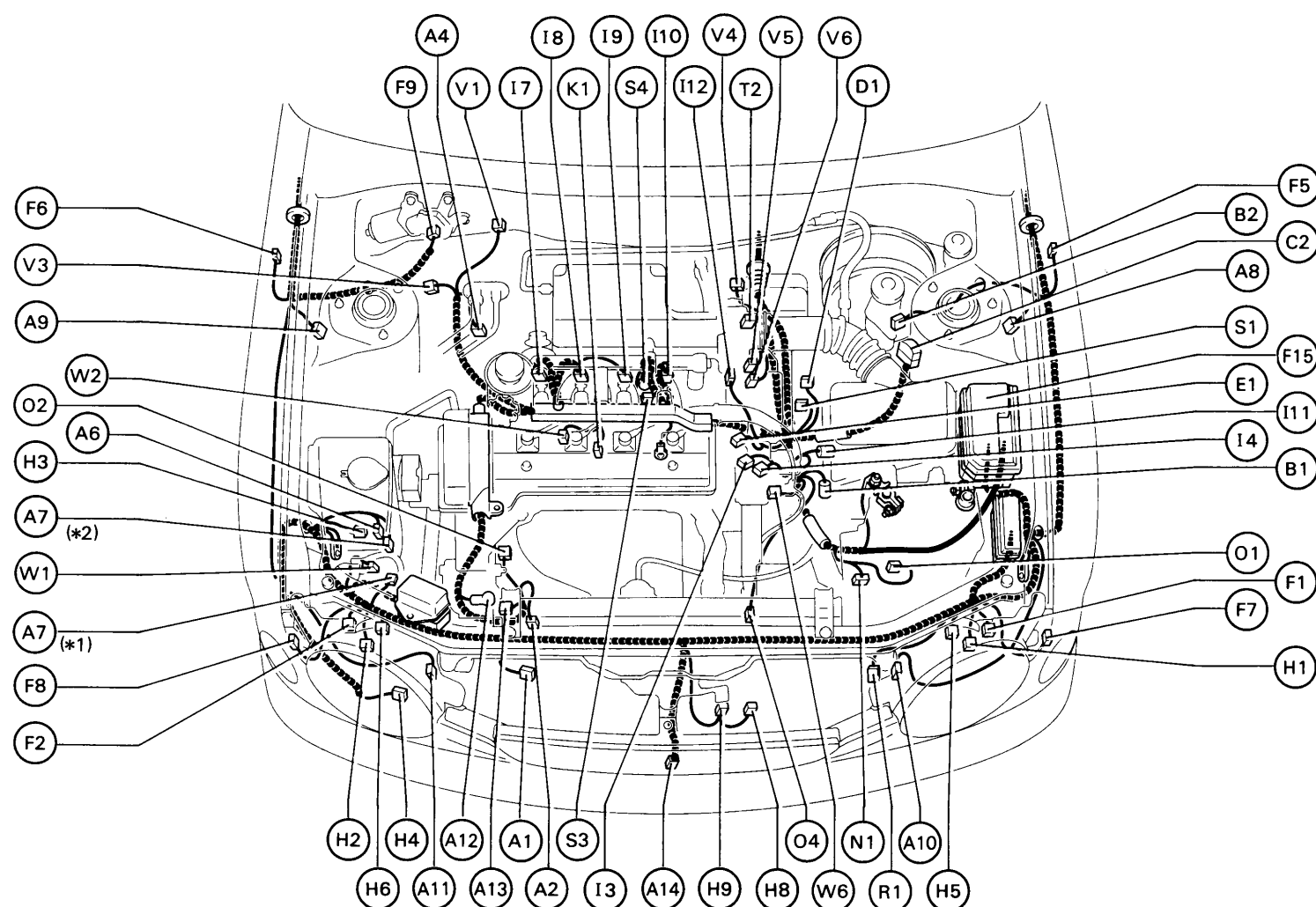


G ELECTRICAL WIRING ROUTING

Position of Parts in Engine Compartment

[LHD : 7A-FE]

*1:Europe
*2:Except Europe



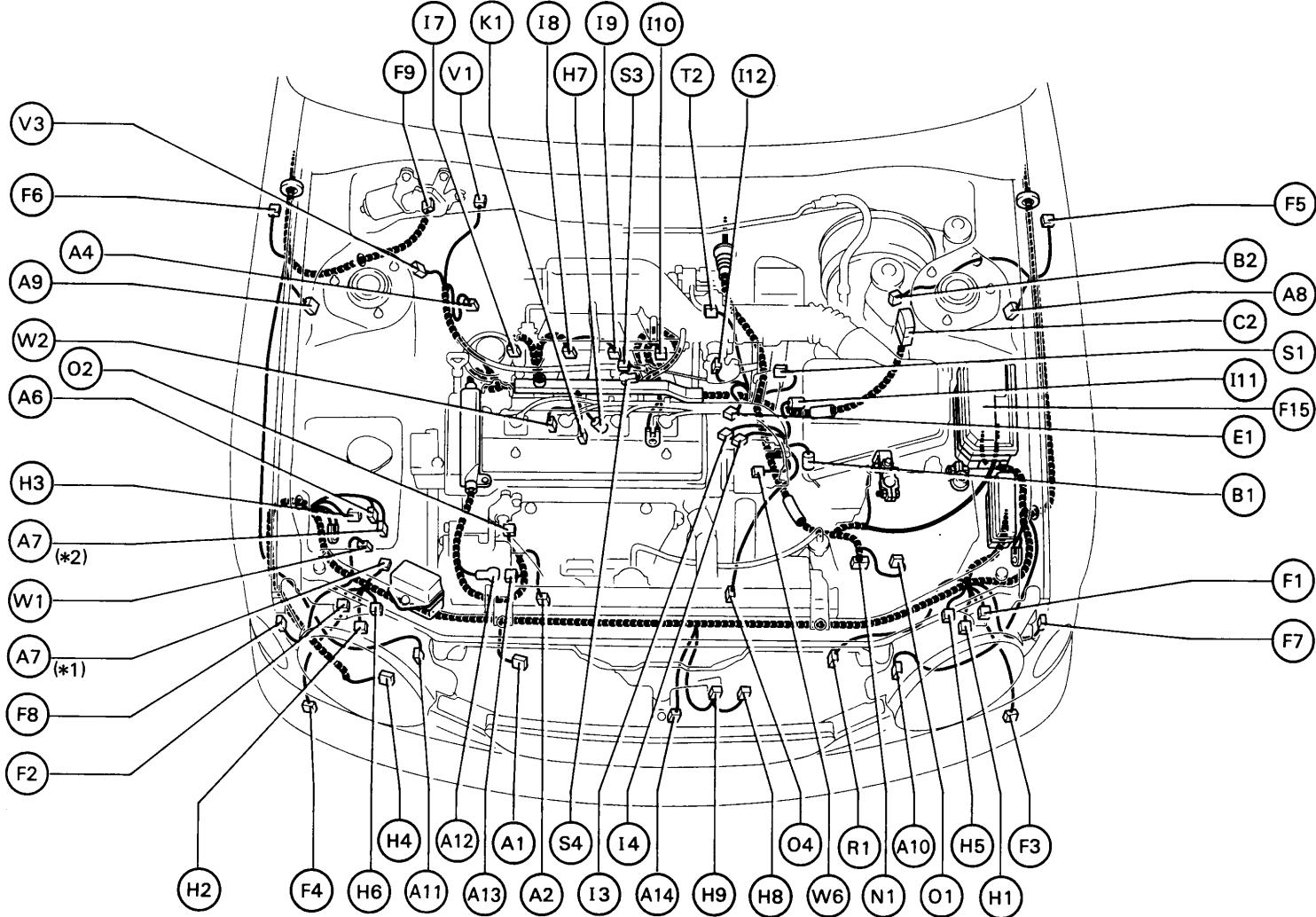
Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 2	A/C Magnetic Clutch and Thermo Sensor	Accouplement magnétique de A/C et capteur thermique	Embrague magnético del A/C y sensor térmico
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 6	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 7	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 8	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 9	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Airbag Sensor Front LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire delantero izquierdo
A 11	Airbag Sensor Front RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire delantero derecho
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
A 14	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
D 1	Diff. Lock Indicator SW	Contacteur d'indicateur de blocage de différentiel	Interruptor del indicador de bloqueo del diferencial
E 1	EFI Water Temp. Sensor	Capteur de température d'eau de EFI	Sensor de la temperatura del agua de EFI
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 1	Headlight Beam Level Control Actuator LH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant gauche	Actuador de control del nivel del haz del faro izquierdo
H 2	Headlight Beam Level Control Actuator RH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant droit	Actuador de control del nivel del haz del faro derecho
H 3	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 4	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 8	Horn (High)	Avertisseur (aigu)	Bocina (alta)
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 3	IIA	IIA	IIA
I 4	IIA	IIA	IIA
I 7	Injector No.1	Injecteur no.1	Injector N.º1
I 8	Injector No.2	Injecteur no.2	Injector N.º2
I 9	Injector No.3	Injecteur no.3	Injector N.º3
I 10	Injector No.4	Injecteur no.4	Injector N.º4
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
I 12	ISC Valve	Soupape ISC	Válvula de ISC
K 1	Knock Sensor	Capteur de cognement moteur	Sensor de golpeteo
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 1	O/D Solenoid	Solénoïde de commande de O/D	Solenóide de O/D
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
O 4	Oxygen Sensor	Capteur d'oxygène	Sensor de oxígeno
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 1	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
V 3	Variable Resistor	Résistance variable	Resistor variable
V 4	VSV (A/C Idle-Up)	VSV (de régime ralenti accéléré de A/C)	VSV (aumento del ralentí del A/C)
V 5	VSV (Diff. Lock No.1)	VSV (blocage de différentiel no.1)	VSV (bloqueo del diferencial N.º1)
V 6	VSV (Diff. Lock No.2)	VSV (blocage de différentiel no.2)	VSV (bloqueo del diferencial N.º2)
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 4A-FE]

*1:Europe
*2:Except Europe

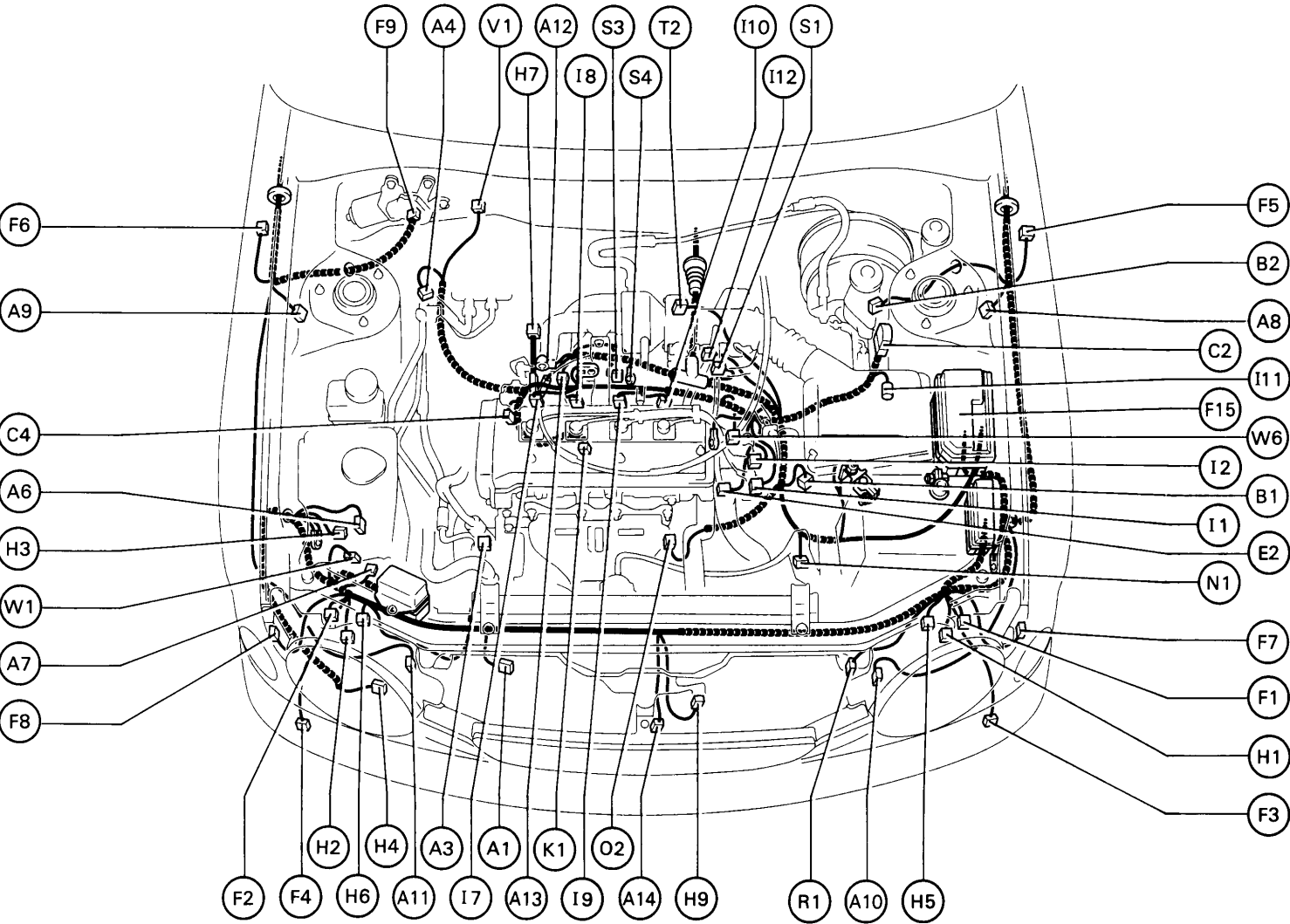


Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 2	A/C Magnetic Clutch and Thermo Sensor	Accouplement magnétique de A/C et capteur thermique	Embrague magnético del A/C y sensor térmico
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 6	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 7	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 8	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 9	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Airbag Sensor Front LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire delantero izquierdo
A 11	Airbag Sensor Front RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire delantero derecho
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
A 14	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
E 1	EFI Water Temp. Sensor	Capteur de température d'eau de EFI	Sensor de la temperatura del agua de EFI
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 3	Front Fog Light LH	Projecteur antibrouillard avant gauche	Luz antiniebla frontal izquierda
F 4	Front Fog Light RH	Projecteur antibrouillard avant droit	Luz antiniebla frontal derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 1	Headlight Beam Level Control Actuator LH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant gauche	Actuador de control del nivel del haz del faro izquierdo
H 2	Headlight Beam Level Control Actuator RH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant droit	Actuador de control del nivel del haz del faro derecho
H 3	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 4	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 7	Heated Oxygen Sensor	Capteur d'oxygène réchauffé	Sensor de oxígeno calentado
H 8	Horn (High)	Avertisseur (aigu)	Bocina (alta)
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 3	IIA	IIA	IIA
I 4	IIA	IIA	IIA
I 7	Injector No.1	Injecteur no.1	Injector N.º1
I 8	Injector No.2	Injecteur no.2	Injector N.º2
I 9	Injector No.3	Injecteur no.3	Injector N.º3
I 10	Injector No.4	Injecteur no.4	Injector N.º4
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
I 12	ISC Valve	Soupape ISC	Válvula de ISC
K 1	Knock Sensor	Capteur de cognement moteur	Sensor de golpeteo
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 1	O/D Solenoid	Solénoïde de commande de O/D	Solenoido de O/D
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
O 4	Oxygen Sensor	Capteur d'oxygène	Sensor de oxígeno
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 1	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
V 3	Variable Resistor	Résistance variable	Resistor variable
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 4E-FE]

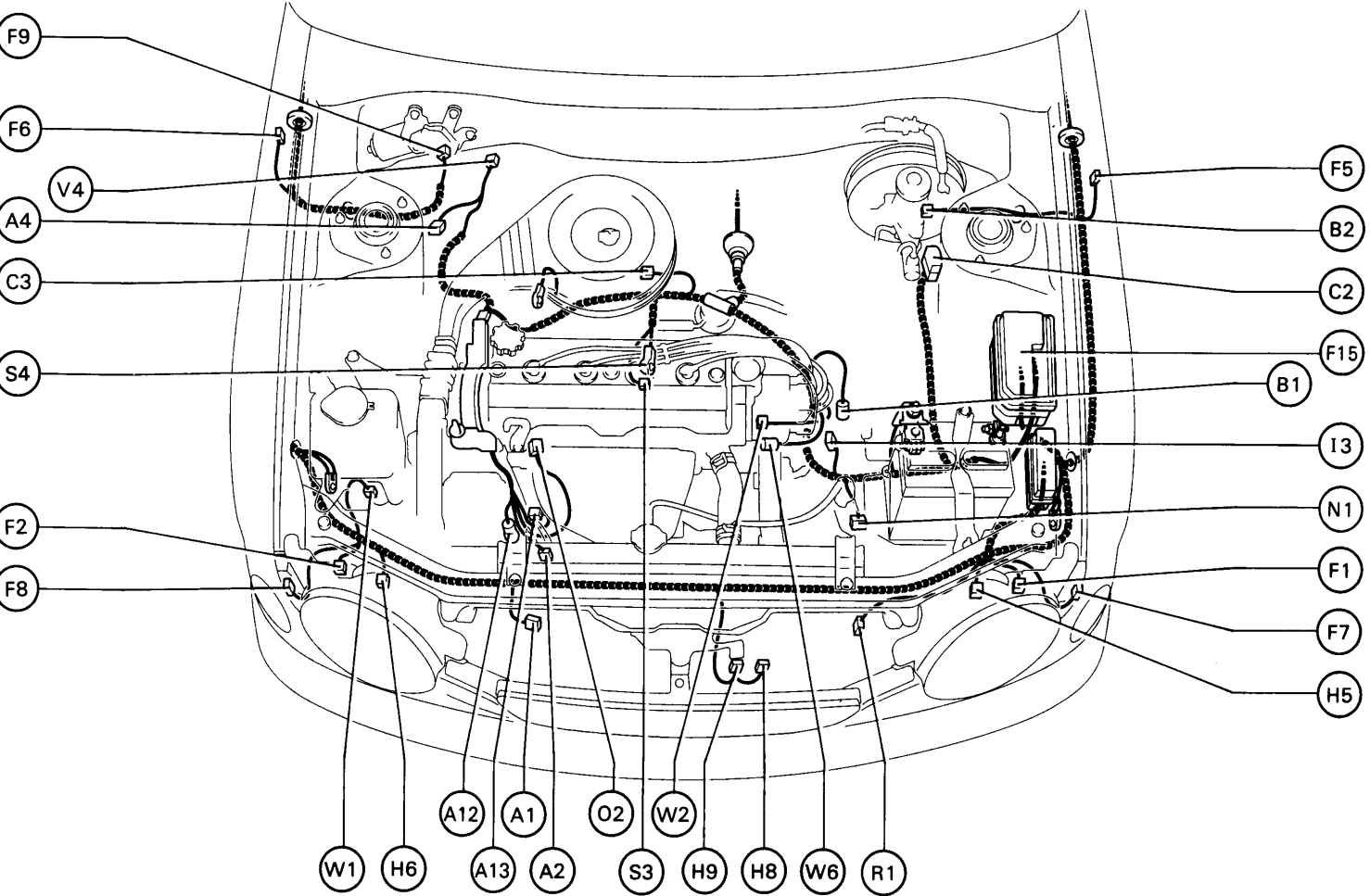


Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 3	A/C Magnetic Clutch and Thermo Sensor and Lock Sensor	Accouplement magnétique de A/C, capteur thermique et capteur de blocage	Embrague magnético del A/C, sensor térmico y sensor de bloqueo
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 6	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 7	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 8	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 9	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Airbag Sensor Front LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire delantero izquierdo
A 11	Airbag Sensor Front RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire delantero derecho
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
A 14	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
C 4	Crankshaft Position Sensor	Capteur de position de vilebrequin	Sensor de posición del cigüeñal
E 2	EFI Water Temp. Sensor and Water Temp. Sender	Capteur de température d'eau de EFI et jauge émettrice de température d'eau	Sensor de la temperatura del agua de EFI y emisor de la temperatura del agua
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 3	Front Fog Light LH	Projecteur antibrouillard avant gauche	Luz antiniebla frontal izquierda
F 4	Front Fog Light RH	Projecteur antibrouillard avant droit	Luz antiniebla frontal derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 1	Headlight Beam Level Control Actuator LH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant gauche	Actuador de control del nivel del haz del faro izquierdo
H 2	Headlight Beam Level Control Actuator RH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant droit	Actuador de control del nivel del haz del faro derecho
H 3	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 4	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 7	Heated Oxygen Sensor	Capteur d'oxygène réchauffé	Sensor de oxígeno calentado
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 1	Ignition Coil and Igniter No.1	Bobine d'allumage et allumeur no.1	Bobina de encendido y encendedor N.º1
I 2	Ignition Coil and Igniter No.2	Bobine d'allumage et allumeur no.2	Bobina de encendido y encendedor N.º2
I 7	Injector No.1	Injecteur no.1	Injector N.º1
I 8	Injector No.2	Injecteur no.2	Injector N.º2
I 9	Injector No.3	Injecteur no.3	Injector N.º3
I 10	Injector No.4	Injecteur no.4	Injector N.º4
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
I 12	ISC Valve	Soupape ISC	Válvula de ISC
K 1	Knock Sensor	Capteur de cognement moteur	Sensor de golpeio
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 1	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 4A-F]

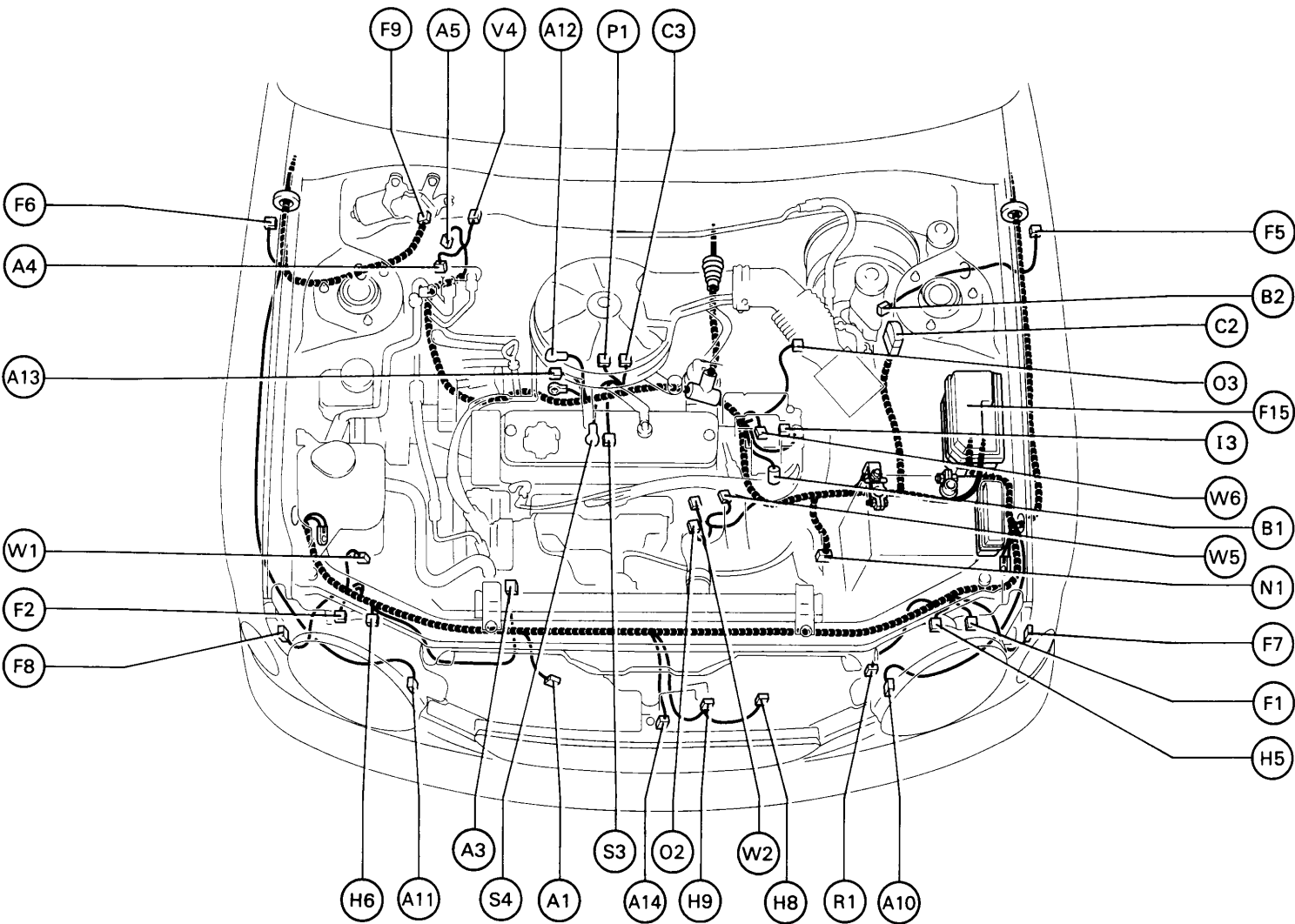


Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 2	A/C Magnetic Clutch and Thermo Sensor	Accouplement magnétique de A/C et capteur thermique	Embrague magnético del A/C y sensor térmico
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
C 3	Choke Heater and Fuel Cut Solenoid	Réchauffeur de volet d'air et solénoïde de coupure d'alimentation	Calefactor del estrangulador y solenoide de corte de combustible
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 8	Horn (High)	Avertisseur (aigu)	Bocina (alta)
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 3	I/A	I/A	I/A
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
V 4	VSV (A/C Idle-Up)	VSV (de régime ralenti accéléré de A/C)	VSV (aumento del ralenti del A/C)
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 2E]

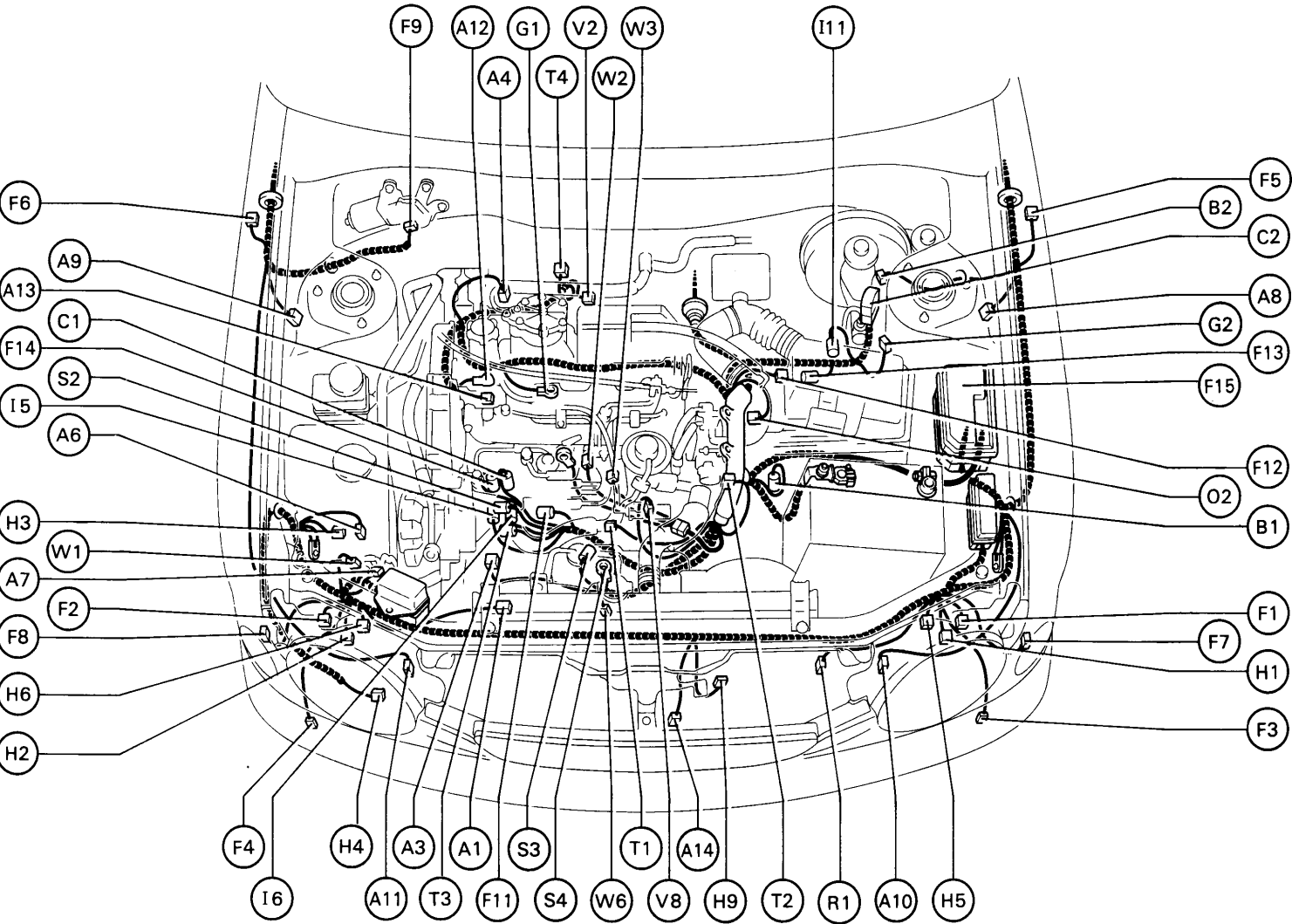


Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 3	A/C Magnetic Clutch and Thermo Sensor and Lock Sensor	Accouplement magnétique de A/C, capteur thermique et capteur de blocage	Embrague magnético del A/C, sensor térmico y sensor de bloqueo
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 5	A/C Vacuum SW	Contacteur de dépression de A/C	Interruptor de vacío del A/C
A 10	Airbag Sensor Front LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire delantero izquierdo
A 11	Airbag Sensor Front RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire delantero derecho
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
A 14	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
C 3	Choke Heater and Fuel Cut Solenoid	Réchauffeur de volet d'air et solénoïde de coupure d'alimentation	Calefactor del estrangulador y solenoide de corte de combustible
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 8	Horn (High)	Avertisseur (aigu)	Bocina (alta)
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 3	IIA	IIA	IIA
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
O 3	Outer Vent Control Valve	Soupape de commande d'aération	Válvula de control de ventilación exterior
P 1	PTC Heater	Chauffage de PTC	Calefactor de PTC
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
V 4	VSV (A/C Idle-Up)	VSV (de régime ralenti accéléré de A/C)	VSV (aumento del ralenti del A/C)
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 5	Water Temp. SW (PTC)	Contacteur de température d'eau (PTC)	Interruptor de la temperatura del agua (PTC)
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 2C-E]

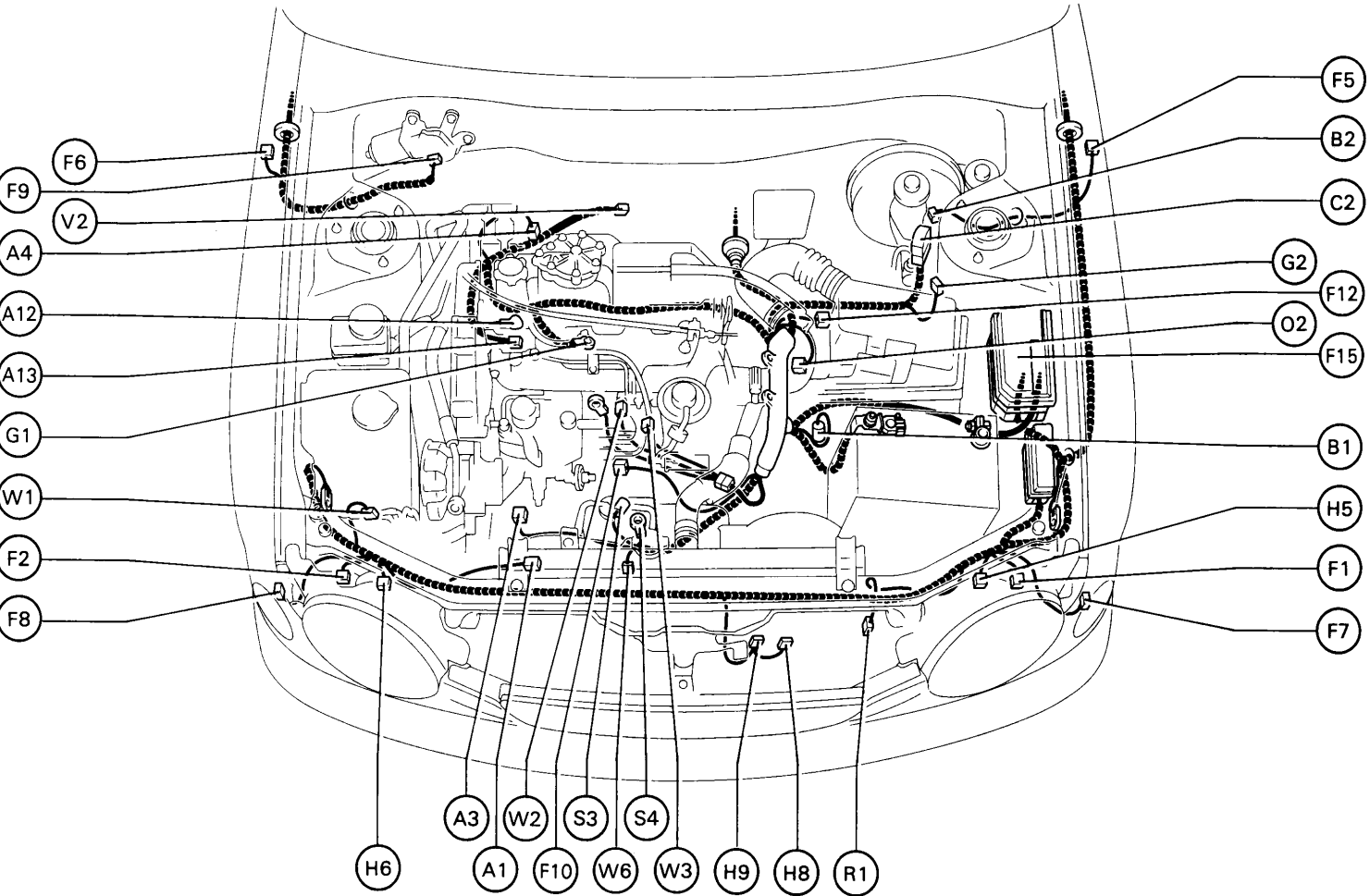


Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 3	A/C Magnetic Clutch and Thermo Sensor and Lock Sensor	Accouplement magnétique de A/C, capteur thermique et capteur de blocage	Embrague magnétique del A/C, sensor térmico y sensor de bloqueo
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 6	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 7	ABS Actuator	Dispositif de commande de ABS	Actuador de ABS
A 8	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 9	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Airbag Sensor Front LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire delantero izquierdo
A 11	Airbag Sensor Front RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire delantero derecho
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
A 14	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 1	Camshaft Position Sensor	Capteur de position d'arbre à cames	Sensor de posición del árbol de levas
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 3	Front Fog Light LH	Projecteur antibrouillard avant gauche	Luz antiniebla frontal izquierda
F 4	Front Fog Light RH	Projecteur antibrouillard avant droit	Luz antiniebla frontal derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 11	Fuel Cut Valve	Soupape de coupure d'alimentation d'essence	Válvula de corte de combustible
F 12	Fuel Filter Warning SW	Manocontact de rappel de filtre à essence	Interruptor de advertencia del filtro de combustible
F 13	Fuel Heater	Réchauffeur de combustible	Calefactor de combustible
F 14	Fuel Temp. Sensor	Capteur de température de carburant	Sensor de la temperatura del combustible
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
G 1	Glow Plug	Bougies de préchauffage	Bujía incandescente
G 2	Glow Plug Relay	Relais de bougie de préchauffage	Relé de bujía incandescente
H 1	Headlight Beam Level Control Actuator LH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant gauche	Actuador de control del nivel del haz del faro izquierdo
H 2	Headlight Beam Level Control Actuator RH	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant droit	Actuador de control del nivel del haz del faro derecho
H 3	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 4	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
I 5	Injection Pump Resistor No.1	Résistance de pompe à injection no.1	Resistor de la bomba de inyección N.º1
I 6	Injection Pump Resistor No.2	Résistance de pompe à injection no.2	Resistor de la bomba de inyección N.º2
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 2	Spill Valve	Soupape de décharge	Válvula de rebose
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
T 1	TDC Sensor	Capteur de TDC	Sensor de TDC
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
T 3	Timing Control Valve	Soupape de contrôle de calage	Válvula de control de la distribución
T 4	Turbo Pressure Sensor	Capteur de pression de turbocompresseur	Sensor de presión turbo
V 2	Vacuum Warning SW	Contacteur de rappel de dépression	Interruptor de advertencia de vacío
V 8	VSV (EVRV)	VSV (EVRV)	VSV (EVRV)
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 3	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Engine Compartment

[LHD : 2C]



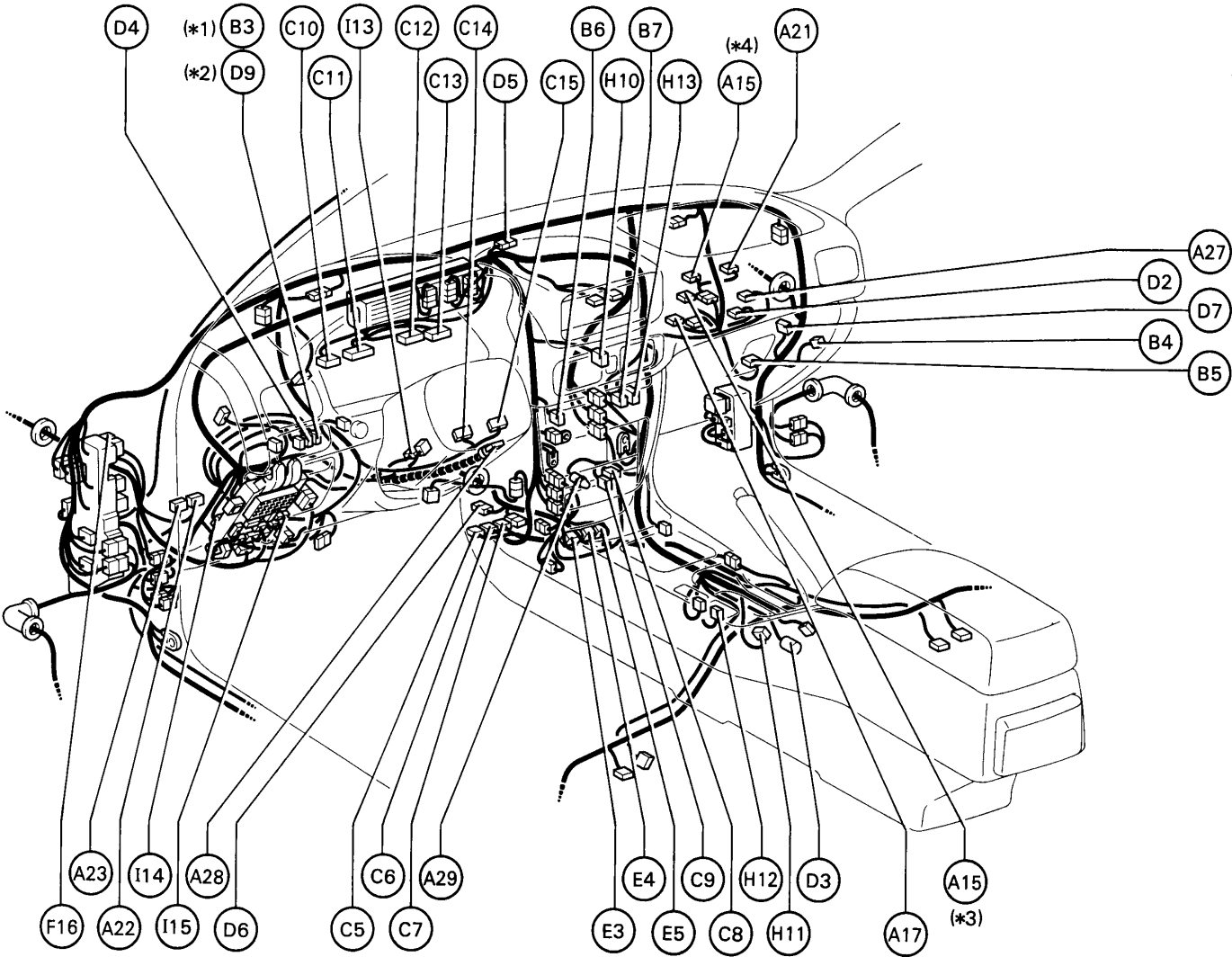
Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 3	A/C Magnetic Clutch and Thermo Sensor and Lock Sensor	Accouplement magnétique de A/C, capteur thermique et capteur de blocage	Embrague magnético del A/C, sensor térmico y sensor de bloqueo
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A 12	Alternator	Alternateur	Alternador
A 13	Alternator	Alternateur	Alternador
B 1	Back-Up Light SW	Contacteur de feux de recul	Interruptor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interruptor de advertencia del nivel del líquido de frenos
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
F 1	Front Clearance Light LH	Feu d'encombrement avant gauche	Luz de paso delantera izquierda
F 2	Front Clearance Light RH	Feu d'encombrement avant droit	Luz de paso delantera derecha
F 5	Front Side Turn Signal Light LH	Feu de changement de direction latéral avant gauche	Luz de la señal de giro lateral frontal izquierda
F 6	Front Side Turn Signal Light RH	Feu de changement de direction latéral avant droit	Luz de la señal de giro lateral frontal derecha
F 7	Front Turn Signal Light LH	Feu de changement de direction avant gauche	Luz de la señal de giro delantera izquierda
F 8	Front Turn Signal Light RH	Feu de changement de direction avant droit	Luz de la señal de giro delantera derecha
F 9	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 10	Fuel Cut Solenoid and Pick-Up Sensor	Solénoïde de coupure d'alimentation d'essence et capteur de reprise	Solenoide de corte de combustible y sensor del captor
F 12	Fuel Filter Warning SW	Manocontact de rappel de filtre à essence	Interruptor de advertencia del filtro de combustible
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
G 1	Glow Plug	Bougies de préchauffage	Bujía incandescente
G 2	Glow Plug Relay	Relais de bougie de préchauffage	Relé de bujía incandescente
H 5	Headlight LH	Projecteur avant gauche	Faro izquierdo
H 6	Headlight RH	Projecteur avant droit	Faro derecho
H 8	Horn (High)	Avertisseur (aigu)	Bocina (alta)
H 9	Horn (Low)	Avertisseur (grave)	Bocina (baja)
O 2	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
S 3	Starter	Démarrreur	Arrancador
S 4	Starter	Démarrreur	Arrancador
V 2	Vacuum Warning SW	Contacteur de rappel de dépression	Interruptor de advertencia de vacío
W 1	Washer Motor	Moteur de lave-glace	Motor del lavador
W 2	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 3	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua
W 6	Water Temp. SW (Radiator Fan)	Contacteur de température d'eau (ventilateur de radiateur)	Interruptor de la temperatura del agua (ventilador del radiador)

Position of Parts in Instrument Panel

[LHD]

- *1:w/o Door Lock Control
- *2:w/ Door Lock Control w/o Power Window
- *3:7A-FE, 4A-FE, 4E-FE, 2C-E
- *4:4A-F, 2E, 2C



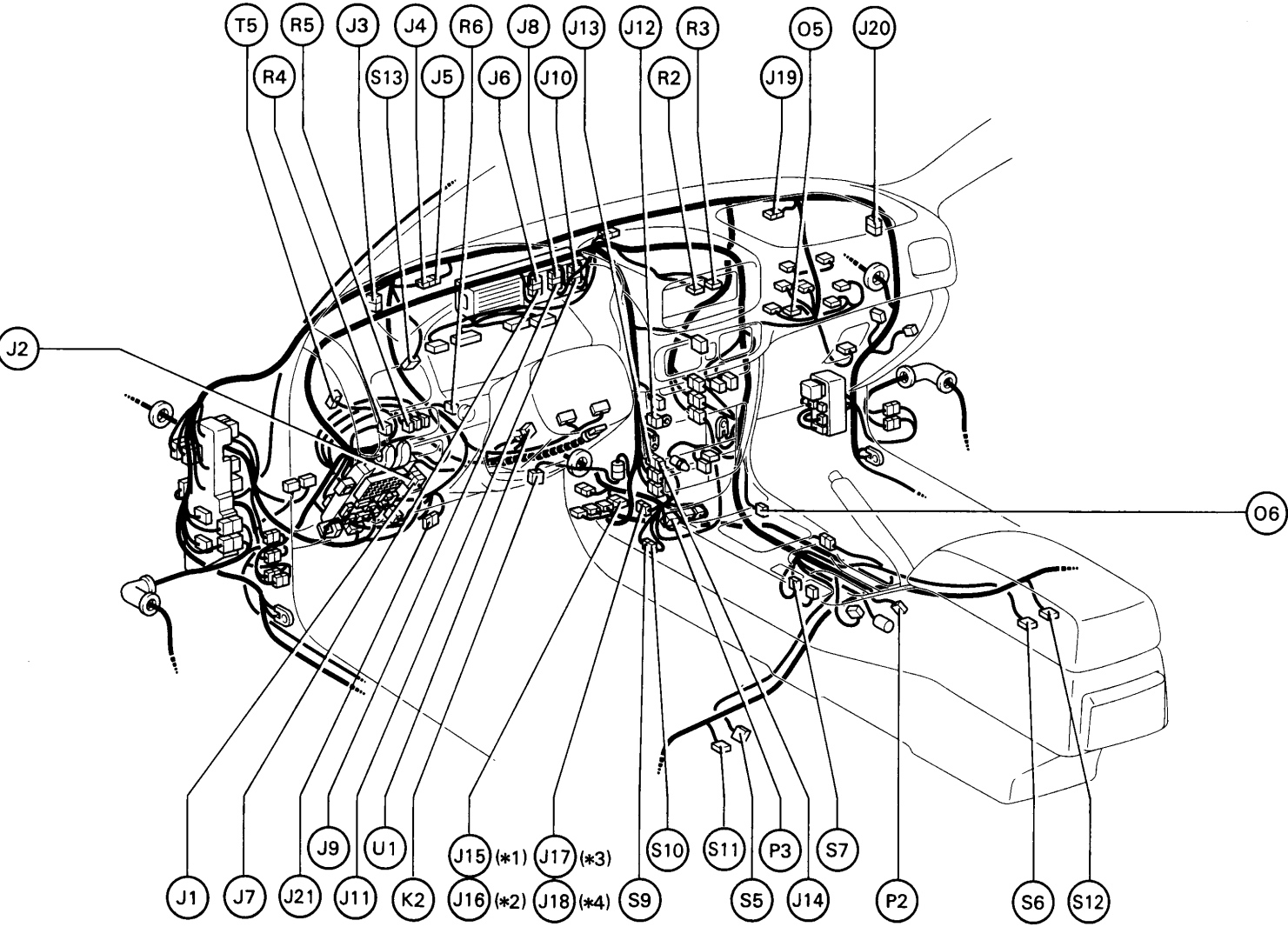
Position of Parts in Instrument Panel

Code	English	Français	Español
A 15	A/C Amplifier	Amplificateur de A/C	Amplificador del A/C
A 17	A/C Evaporator Temp. Sensor	Capteur de température d'évaporateur de A/C	Sensor del temperatura del evaporador del A/C
A 21	A/C Thermistor	Thermistance de A/C	Termistor del A/C
A 22	ABS ECU	ECU ABS	ECU del ABS
A 23	ABS ECU	ECU ABS	ECU del ABS
A 27	Airbag Squib (Front Passenger's Airbag Assembly)	Charge explosive de sac gonflable (ensemble de sac gonflable de passager avant)	Detonador del colchón de aire (conjunto del colchón de aire del pasajero delantero)
A 28	Airbag Squib (Steering Wheel Pad)	Charge explosive de sac gonflable (rembourrage de volant de direction)	Detonador del colchón de aire (almohadilla del volante de dirección)
A 29	Ashtray Illumination	Eclairage de cendrier	Illuminación del cenicero
B 3	Back Door Lock Control SW	Commutateur de commande de condamnation de hayon	Interruptor de control del bloqueo de la puerta posterior
B 4	Blower Motor	Moteur de soufflerie	Motor del soplador
B 5	Blower Resistor	Résistance de soufflerie	Resistor del soplador
B 6	Blower SW	Commande de soufflerie	Interruptor del soplador
B 7	Boost Ventilator Volume SW	Réglage de puissance de ventilateur de secours	Interruptor de volumen del ventilador de refuerzo
C 5	Center Airbag Sensor Assembly	Ensemble de capteur de sac gonflable central	Conjunto del sensor del colchón de aire central
C 6	Center Airbag Sensor Assembly	Ensemble de capteur de sac gonflable central	Conjunto del sensor del colchón de aire central
C 7	Center Airbag Sensor Assembly	Ensemble de capteur de sac gonflable central	Conjunto del sensor del colchón de aire central
C 8	Cigarette Lighter	Allume-cigare	Encendedor de cigarrillos
C 9	Cigarette Lighter Illumination	Eclairage d'allume-cigare	Illuminación del encendedor de cigarrillos
C 10	Combination Meter	Combiné de bord	Medidor de combinación
C 11	Combination Meter	Combiné de bord	Medidor de combinación
C 12	Combination Meter	Combiné de bord	Medidor de combinación
C 13	Combination Meter	Combiné de bord	Medidor de combinación
C 14	Combination SW	Commande combinée	Interruptor de combinación
C 15	Combination SW	Commande combinée	Interruptor de combinación
D 2	Daytime Running Light Relay	Relais de dispositifs d'éclairage de conduite de jour	Relé de la luz de marcha diurna
D 3	Deceleration Sensor	Capteur de décélération	Sensor de desaceleración
D 4	Diff. Lock Control SW	Commande de blocage de différentiel	Interruptor de control de bloqueo del diferencial
D 5	Diode (Door Courtesy)	Diode (d'éclairage de courtoisie sur porte)	Diodo (cortesía de la puerta)
D 6	Diode (O/D)	Diode (O/D)	Diodo (O/D)
D 7	Door Control Receiver	Récepteur de commande de porte	Receptor de control de la puerta
D 9	Door Lock Control SW	Commande de condamnation de porte	Interruptor de control de bloqueo de la puerta
E 3	Engine ECU	ECU de moteur	ECU del motor
E 4	Engine ECU	ECU de moteur	ECU del motor
E 5	Engine ECU	ECU de moteur	ECU del motor
F 16	Fog Light Relay	Relais de projecteurs antibrouillard	Relé de la luz antiniebla
H 10	Hazard SW	Commande de feux de détresse	Interruptor de peligro
H 11	Headlight Beam Level Control SW	Commande de réglage d'orientation de faisceau de projecteur avant	Interruptor de control del nivel del haz del faro
H 12	Headlight Cleaner SW	Commande de lave-projecteur avant	Interruptor del limpiador del faro
H 13	Heater Control SW	Commande de chauffage	Interruptor de control del calefactor
I 13	Ignition SW	Contacteur d'allumage	Interruptor de encendido
I 14	Integration Relay	Relais d'intégration	Relé de integración
I 15	Integration Relay	Relais d'intégration	Relé de integración

Position of Parts in Instrument Panel

[LHD]

*1:7A-FE Europe, 4A-FE w/ TWC, 4E-FE, 2C-E
*2:7A-FE Middle East, 4A-FE w/o TWC, 2C
*3:7A-FE Europe, 4A-FE, 4E-FE, 4A-F
*4:2E



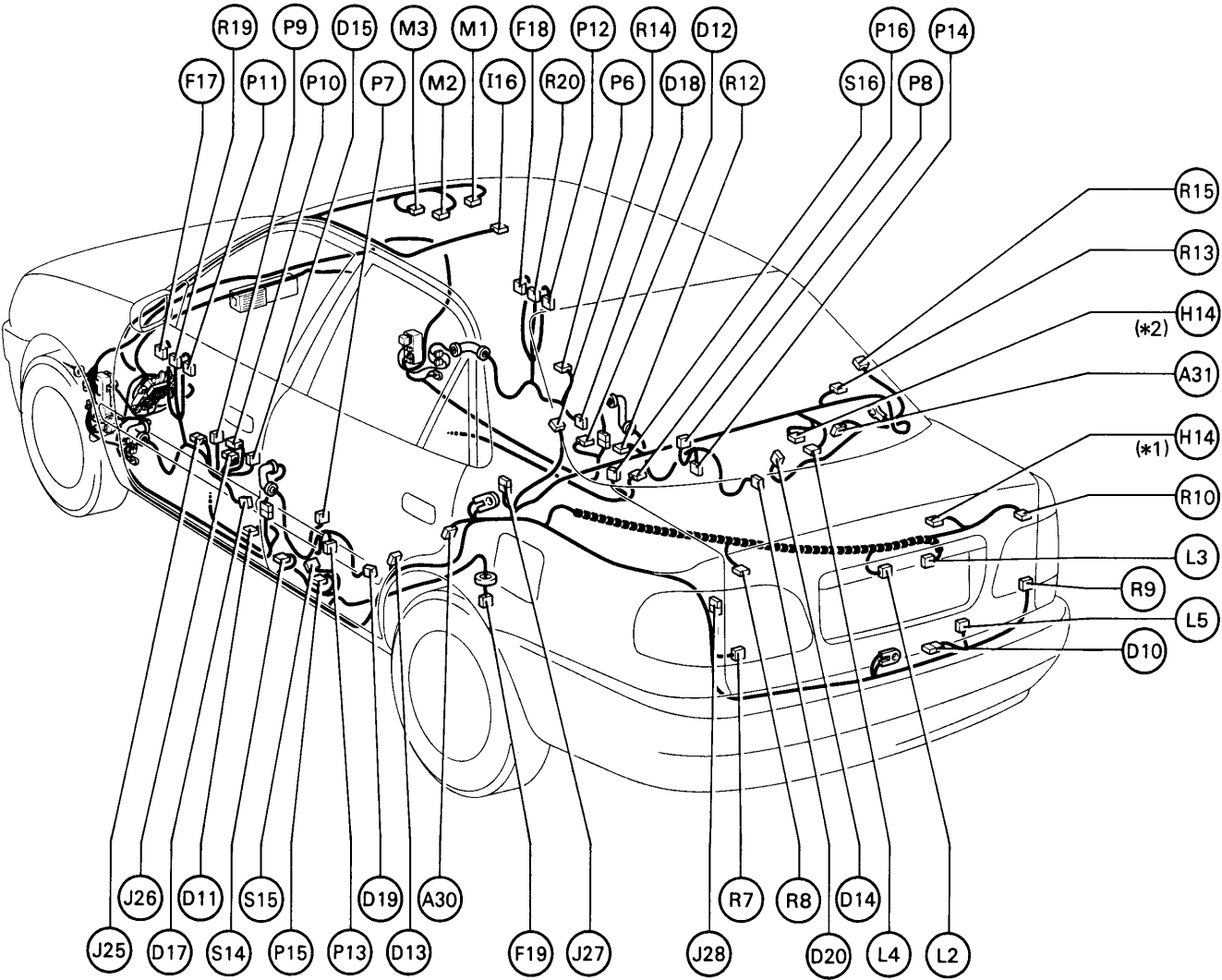
Position of Parts in Instrument Panel

Code	English	Français	Español
J 1	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 2	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 3	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 4	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 5	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 6	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 7	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 8	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 9	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 10	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 11	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 12	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 13	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 14	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 15	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 16	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 17	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 18	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 19	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 20	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 21	Junction Connector	Bloc raccord de jonction	Conector de enlace
K 2	Kick Down SW	Contacteur de rétrogradation	Interruptor del retirador
O 5	O/D ECU	ECU de O/D	ECU de O/D
O 6	O/D SW	Contacteur de O/D	Interruptor de O/D
P 2	Parking Brake SW	Contacteur de frein de stationnement	Interruptor del freno de estacionamiento
P 3	Pre-Heating Timer	Minuterie de préchauffage	Distribuidor de precalentamiento
R 2	Radio and Player	Autoradio et lecteur de cassettes	Radio y reproductor
R 3	Radio and Player	Autoradio et lecteur de cassettes	Radio y reproductor
R 4	Rear Fog Light SW	Commande de projecteur antibrouillard arrière	Interruptor de la luz antiniebla trasera
R 5	Remote Control Mirror SW	Commande de rétroviseur à commande électrique	Interruptor del espejo retrovisor de control remoto
R 6	Rheostat or Short Connector	Rhéostat ou bloc raccord de câblage de shunt	Reóstato o conector de cortocircuito
S 5	Seat Heater (Driver's Seat)	Chauffage de siège (siège de conducteur)	Calefactor del asiento (asiento del conductor)
S 6	Seat Heater (Front Passenger's Seat)	Chauffage de siège (siège de passager avant)	Calefactor del asiento (asiento del pasajero delantero)
S 7	Seat Heater SW	Commande de chauffage de siège	Interruptor del calefactor del asiento
S 9	Short Connector	Bloc raccord de shunt	Conector cortocircuitador
S 10	Short Connector	Bloc raccord de shunt	Conector cortocircuitador
S 11	Side Airbag Squib LH	Charge explosive de sac gonflable latéral gauche	Detonador del colchón de aire lateral izquierdo
S 12	Side Airbag Squib RH	Charge explosive de sac gonflable latéral droit	Detonador del colchón de aire lateral derecho
S 13	Stop Light SW	Contacteur de feux stop	Interruptor de la luz de parada
T 5	Transponder Key Computer	Ordinateur de clé de transpondeur	Computadora de la llave de transmisor
U 1	Unlock Warning SW	Contacteur de rappel de libération	Interruptor de advertencia de desbloqueo

Position of Parts in Body

[LHD : S/D]

*1:w/ Rear Spoiler
*2:w/o Rear Spoiler



Position of Parts in Body

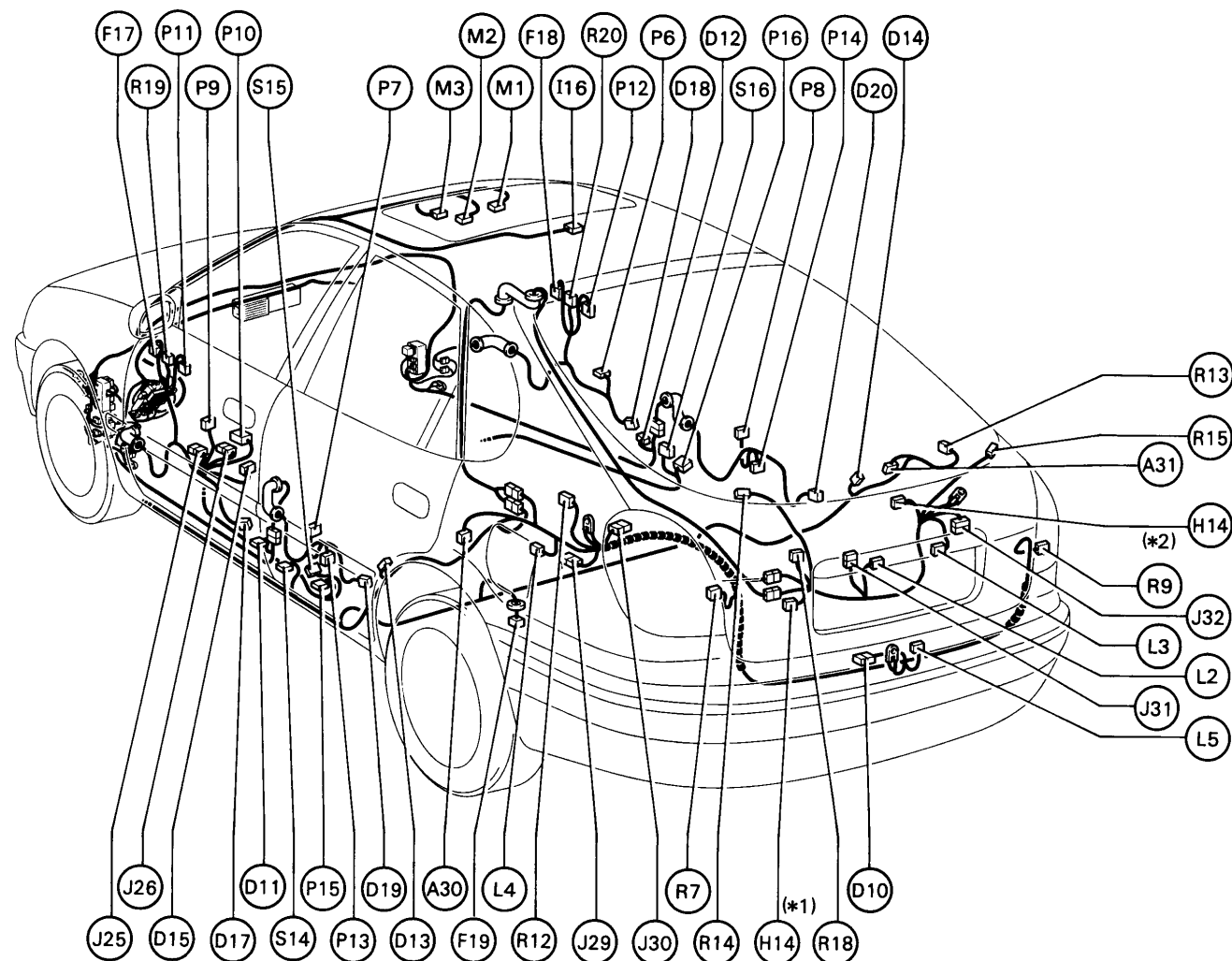
Code	English	Français	Español
A 30	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 31	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
D 10	Diode (Door Courtesy)	Diode (d'éclairage de courtoisie sur porte)	Diodo (cortesía de la puerta)
D 11	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 12	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 13	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 14	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 15	Door Key Lock and Unlock SW LH	Contacteur de condamnation et de libération de porte gauche avec la clé	Interruptor de bloqueo y desbloqueo de la llave de la puerta izquierda
D 17	Door Lock Motor Front LH	Moteur de condamnation de porte avant gauche	Motor de bloqueo de la puerta frontal izquierda
D 18	Door Lock Motor Front RH	Moteur de condamnation de porte avant droite	Motor de bloqueo de la puerta frontal derecha
D 19	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 20	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
F 17	Front Door Speaker LH	Haut-parleur de porte avant gauche	Altavoz de la puerta frontal izquierda
F 18	Front Door Speaker RH	Haut-parleur de porte avant droite	Altavoz de la puerta frontal derecha
F 19	Fuel Pump and Sender	Pompe d'alimentation et jauge émettrice de niveau	Bomba de combustible y emisor
H 14	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 16	Interior Light	Plafonnier	Luz interior
J 25	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 26	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 27	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 28	Junction Connector	Bloc raccord de jonction	Conector de enlace
L 2	License Plate Light LH	Eclairage de plaque minéralogique gauche	Luz de la matrícula izquierda
L 3	License Plate Light RH	Eclairage de plaque minéralogique droit	Luz de la matrícula derecha
L 4	Luggage Compartment Light	Eclairage de compartiment à bagages	Luz del portaequipajes
L 5	Luggage Compartment Light SW	Contacteur d'éclairage de compartiment à bagages	Interruptor de la luz del portaequipajes
M 1	Moon Roof Control Relay	Relais de commande de toit ouvrant	Relé de control del techo lunar
M 2	Moon Roof Control SW	Commande de toit ouvrant	Interruptor de control del techo lunar
M 3	Moon Roof Motor and Limit SW	Moteur de toit ouvrant transparent et interrupteur de fin de course	Interruptor de motor y limitador del techo lunar
P 6	Power Window Control SW Front RH	Commande de lève-glace électrique avant droit	Interruptor de control de la ventanilla automática frontal derecha
P 7	Power Window Control SW Rear LH	Commande de lève-glace électrique arrière gauche	Interruptor de control de la ventanilla automática trasera izquierda
P 8	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 9	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 10	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 11	Power Window Motor Front LH	Moteur de lève-glace électrique avant gauche	Motor de la ventanilla automática frontal izquierda
P 12	Power Window Motor Front RH	Moteur de lève-glace électrique avant droit	Motor de la ventanilla automática frontal derecha
P 13	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 14	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 15	Pretensioner LH	Prétendeur gauche	Pretensor izquierdo
P 16	Pretensioner RH	Prétendeur droit	Pretensor derecho
R 7	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 8	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 9	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 10	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 12	Rear Speaker LH	Haut-parleur arrière gauche	Altavoz trasero izquierdo
R 13	Rear Speaker RH	Haut-parleur arrière droit	Altavoz trasero derecho
R 14	Rear Window Defogger (+)	Désembueur de glace de lunette arrière (+)	Desempañador de la ventanilla trasera (+)
R 15	Rear Window Defogger (-)	Désembueur de glace de lunette arrière (-)	Desempañador de la ventanilla trasera (-)
R 19	Remote Control Mirror LH	Rétroviseur à commande électrique gauche	Espejo retrovisor de control remoto izquierdo
R 20	Remote Control Mirror RH	Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto derecho
S 14	Seat Belt Retractor SW	Contacteur d'enrouleur de ceinture de sécurité	Interruptor del retractor del cinturón de seguridad
S 15	Side Airbag Sensor LH	Capteur de sac gonflable latéral gauche	Sensor del colchón de aire lateral izquierdo
S 16	Side Airbag Sensor RH	Capteur de sac gonflable latéral droit	Sensor del colchón de aire lateral derecho

G ELECTRICAL WIRING ROUTING

Position of Parts in Body

[LHD : L/B]

*1:w/ Rear Spoiler
*2:w/o Rear Spoiler

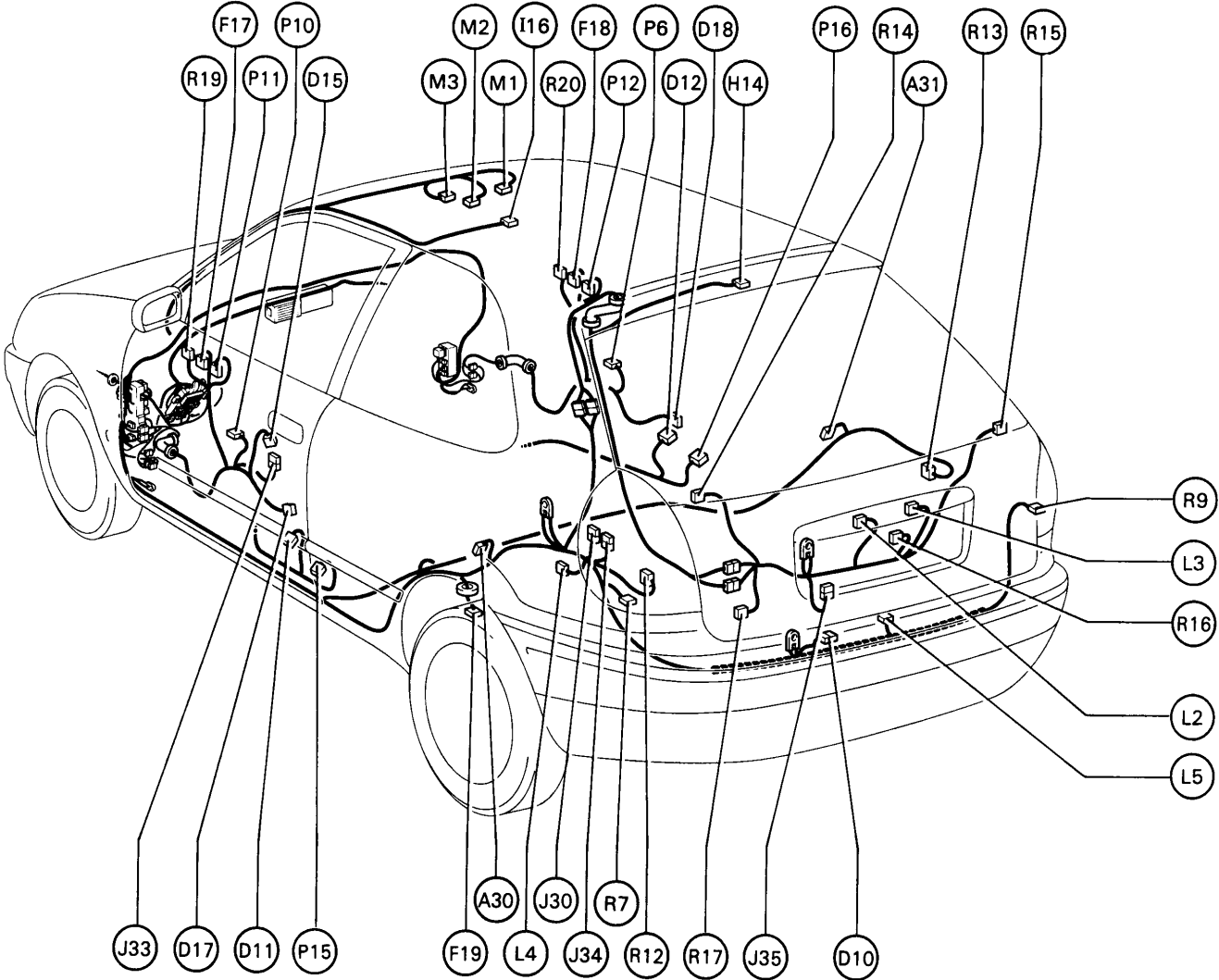


Position of Parts in Body

Code	English	Français	Español
A 30	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 31	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
D 10	Diode (Door Courtesy)	Diode (d'éclairage de courtoisie sur porte)	Diodo (cortesía de la puerta)
D 11	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 12	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 13	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 14	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 15	Door Key Lock and Unlock SW LH	Contacteur de condamnation et de libération de porte gauche avec la clé	Interruptor de bloqueo y desbloqueo de la llave de la puerta izquierda
D 17	Door Lock Motor Front LH	Moteur de condamnation de porte avant gauche	Motor de bloqueo de la puerta frontal izquierda
D 18	Door Lock Motor Front RH	Moteur de condamnation de porte avant droite	Motor de bloqueo de la puerta frontal derecha
D 19	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 20	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
F 17	Front Door Speaker LH	Haut-parleur de porte avant gauche	Altavoz de la puerta frontal izquierda
F 18	Front Door Speaker RH	Haut-parleur de porte avant droite	Altavoz de la puerta frontal derecha
F 19	Fuel Pump and Sender	Pompe d'alimentation et jauge émettrice de niveau	Bomba de combustible y emisor
H 14	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 16	Interior Light	Plafonnier	Luz interior
J 25	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 26	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 29	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 30	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 31	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 32	Junction Connector	Bloc raccord de jonction	Conector de enlace
L 2	License Plate Light LH	Eclairage de plaque minéralogique gauche	Luz de la matrícula izquierda
L 3	License Plate Light RH	Eclairage de plaque minéralogique droit	Luz de la matrícula derecha
L 4	Luggage Compartment Light	Eclairage de compartiment à bagages	Luz del portaequipajes
L 5	Luggage Compartment Light SW	Contacteur d'éclairage de compartiment à bagages	Interruptor de la luz del portaequipajes
M 1	Moon Roof Control Relay	Relais de commande de toit ouvrant	Relé de control del techo lunar
M 2	Moon Roof Control SW	Commande de toit ouvrant	Interruptor de control del techo lunar
M 3	Moon Roof Motor and Limit SW	Moteur de toit ouvrant transparent et interrupteur de fin de course	Interruptor de motor y limitador del techo lunar
P 6	Power Window Control SW Front RH	Commande de lève-glace électrique avant droit	Interruptor de control de la ventanilla automática frontal derecha
P 7	Power Window Control SW Rear LH	Commande de lève-glace électrique arrière gauche	Interruptor de control de la ventanilla automática trasera izquierda
P 8	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 9	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 10	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 11	Power Window Motor Front LH	Moteur de lève-glace électrique avant gauche	Motor de la ventanilla automática frontal izquierda
P 12	Power Window Motor Front RH	Moteur de lève-glace électrique avant droit	Motor de la ventanilla automática frontal derecha
P 13	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 14	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 15	Pretensioner LH	Prétendeur gauche	Pretensor izquierdo
P 16	Pretensioner RH	Prétendeur droit	Pretensor derecho
R 7	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 9	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 12	Rear Speaker LH	Haut-parleur arrière gauche	Altavoz trasero izquierdo
R 13	Rear Speaker RH	Haut-parleur arrière droit	Altavoz trasero derecho
R 14	Rear Window Defogger (+)	Désembueur de glace de lunette arrière (+)	Desempañador de la ventanilla trasera (+)
R 15	Rear Window Defogger (-)	Désembueur de glace de lunette arrière (-)	Desempañador de la ventanilla trasera (-)
R 18	Rear Wiper Relay and Motor	Relais et moteur d'essuie-glace de lunette arrière	Motor y relé del limpiador trasero
R 19	Remote Control Mirror LH	Rétroviseur à commande électrique gauche	Espejo retrovisor de control remoto izquierdo
R 20	Remote Control Mirror RH	Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto derecho
S 14	Seat Belt Retractor SW	Contacteur d'enrouleur de ceinture de sécurité	Interruptor del retractor del cinturón de seguridad
S 15	Side Airbag Sensor LH	Capteur de sac gonflable latéral gauche	Sensor del colchón de aire lateral izquierdo
S 16	Side Airbag Sensor RH	Capteur de sac gonflable latéral droit	Sensor del colchón de aire lateral derecho

Position of Parts in Body

[LHD : H/B]



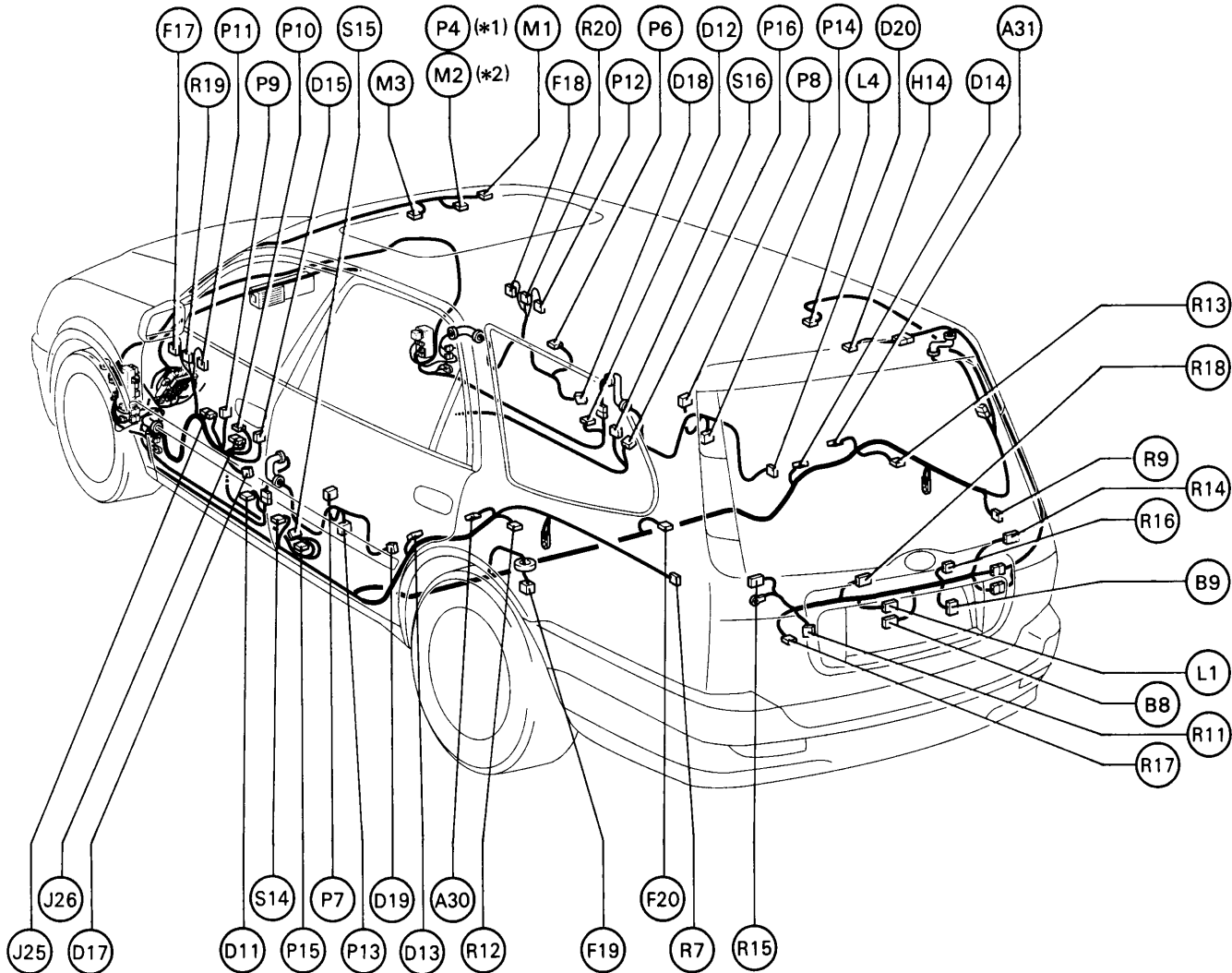
Position of Parts in Body

Code	English	Français	Español
A 30	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 31	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
D 10	Diode (Door Courtesy)	Diode (d'éclairage de courtoisie sur porte)	Diodo (cortesía de la puerta)
D 11	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 12	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 15	Door Key Lock and Unlock SW LH	Contacteur de condamnation et de libération de porte gauche avec la clé	Interruptor de bloqueo y desbloqueo de la llave de la puerta izquierda
D 17	Door Lock Motor Front LH	Moteur de condamnation de porte avant gauche	Motor de bloqueo de la puerta frontal izquierda
D 18	Door Lock Motor Front RH	Moteur de condamnation de porte avant droite	Motor de bloqueo de la puerta frontal derecha
F 17	Front Door Speaker LH	Haut-parleur de porte avant gauche	Altavoz de la puerta frontal izquierda
F 18	Front Door Speaker RH	Haut-parleur de porte avant droite	Altavoz de la puerta frontal derecha
F 19	Fuel Pump and Sender	Pompe d'alimentation et jauge émettrice de niveau	Bomba de combustible y emisor
H 14	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 16	Interior Light	Plafonnier	Luz interior
J 30	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 33	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 34	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 35	Junction Connector	Bloc raccord de jonction	Conector de enlace
L 2	License Plate Light LH	Eclairage de plaque minéralogique gauche	Luz de la matrícula izquierda
L 3	License Plate Light RH	Eclairage de plaque minéralogique droit	Luz de la matrícula derecha
L 4	Luggage Compartment Light	Eclairage de compartiment à bagages	Luz del portaequipajes
L 5	Luggage Compartment Light SW	Contacteur d'éclairage de compartiment à bagages	Interruptor de la luz del portaequipajes
M 1	Moon Roof Control Relay	Relais de commande de toit ouvrant	Relé de control del techo lunar
M 2	Moon Roof Control SW	Commande de toit ouvrant	Interruptor de control del techo lunar
M 3	Moon Roof Motor and Limit SW	Moteur de toit ouvrant transparent et interrupteur de fin de course	Interruptor de motor y limitador del techo lunar
P 6	Power Window Control SW Front RH	Commande de lève-glace électrique avant droit	Interruptor de control de la ventanilla automática frontal derecha
P 10	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 11	Power Window Motor Front LH	Moteur de lève-glace électrique avant gauche	Motor de la ventanilla automática frontal izquierda
P 12	Power Window Motor Front RH	Moteur de lève-glace électrique avant droit	Motor de la ventanilla automática frontal derecha
P 15	Pretensioner LH	Prétendeur gauche	Pretensor izquierdo
P 16	Pretensioner RH	Prétendeur droit	Pretensor derecho
R 7	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 9	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 12	Rear Speaker LH	Haut-parleur arrière gauche	Altavoz trasero izquierdo
R 13	Rear Speaker RH	Haut-parleur arrière droit	Altavoz trasero derecho
R 14	Rear Window Defogger (+)	Désembueur de glace de lunette arrière (+)	Desempañador de la ventanilla trasera (+)
R 15	Rear Window Defogger (-)	Désembueur de glace de lunette arrière (-)	Desempañador de la ventanilla trasera (-)
R 16	Rear Wiper Motor	Moteur d'essuie-glace de lunette arrière	Motor del limpiador trasero
R 17	Rear Wiper Relay	Relais d'essuie-glace de lunette arrière	Relé del limpiador trasero
R 19	Remote Control Mirror LH	Rétroviseur à commande électrique gauche	Espejo retrovisor de control remoto izquierdo
R 20	Remote Control Mirror RH	Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto derecho

Position of Parts in Body

[LHD : W/G]

*1:w/o Moon Roof
*2:w/ Moon Roof



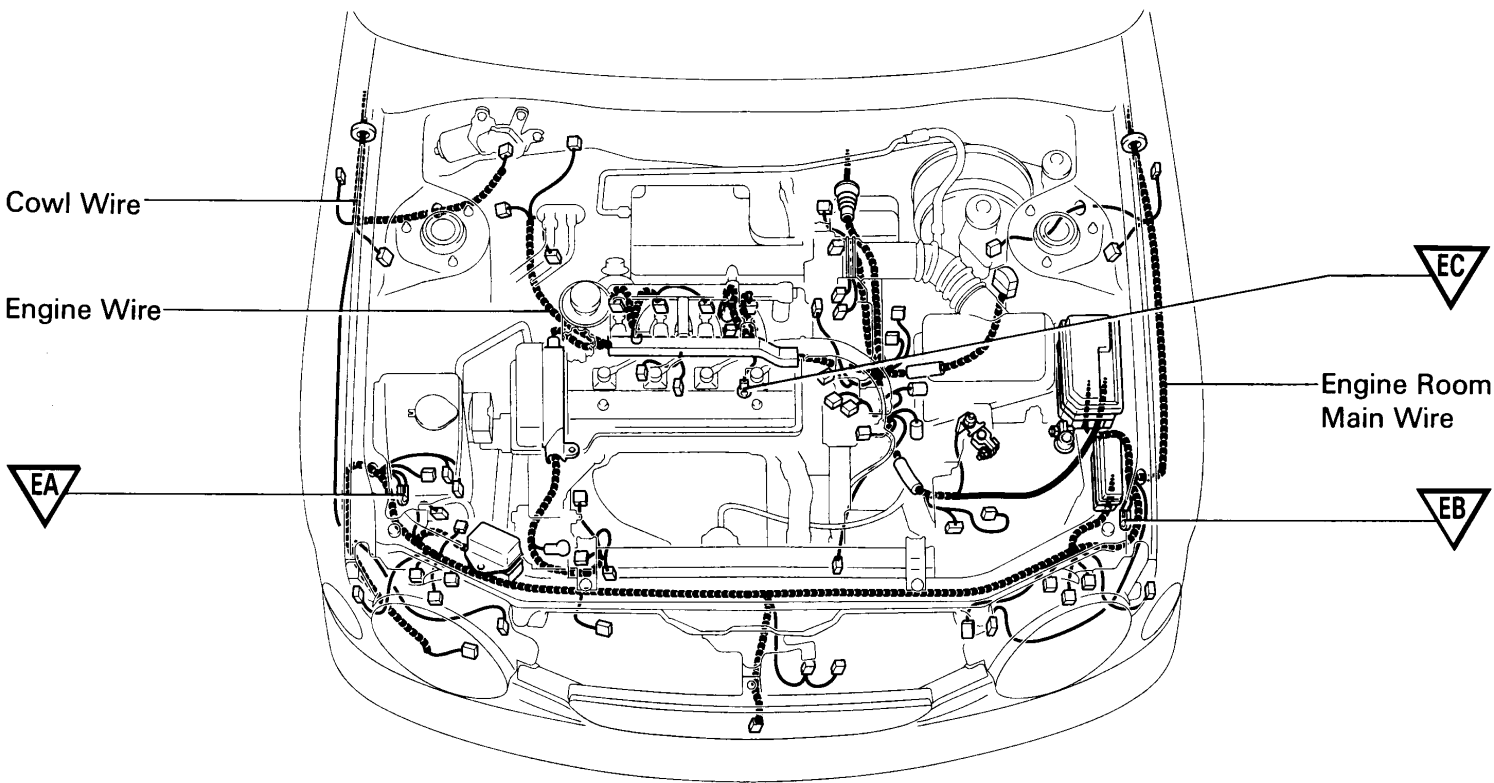
Position of Parts in Body

Code	English	Français	Español
A 30 A 31	ABS Speed Sensor Rear LH ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière gauche Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero izquierdo Sensor de velocidad de ABS, trasero derecho
B 8	Back Door Courtesy SW	Contacteur d'éclairage de courtoisie de hayon	Interruptor de cortesía de la puerta posterior
B 9	Back Door Lock Motor	Moteur de condamnation de hayon	Motor de bloqueo de la puerta posterior
D 11	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 12	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 13	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 14	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 15	Door Key Lock and Unlock SW LH	Contacteur de condamnation et de libération de porte gauche avec la clé	Interruptor de bloqueo y desbloqueo de la llave de la puerta izquierda
D 17	Door Lock Motor Front LH	Moteur de condamnation de porte avant gauche	Motor de bloqueo de la puerta frontal izquierda
D 18	Door Lock Motor Front RH	Moteur de condamnation de porte avant droite	Motor de bloqueo de la puerta frontal derecha
D 19	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 20	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
F 17 F 18 F 19	Front Door Speaker LH Front Door Speaker RH Fuel Pump and Sender	Haut-parleur de porte avant gauche Haut-parleur de porte avant droite Pompe d'alimentation et jauge émettrice de niveau	Altavoz de la puerta frontal izquierda Altavoz de la puerta frontal derecha Bomba de combustible y emisor
F 20	Fuel Sender (4WD)	Jauge émettrice de niveau d'essence (4WD)	Emisor de combustible (4WD)
H 14	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
J 25 J 26	Junction Connector Junction Connector	Bloc raccord de jonction Bloc raccord de jonction	Conector de enlace Conector de enlace
L 1 L 4	License Plate Light Luggage Compartment Light	Eclairage de plaque minéralogique Eclairage de compartiment à bagages	Luz de la matrícula Luz del portaequipajes
M 1 M 2 M 3	Moon Roof Control Relay Moon Roof Control SW Moon Roof Motor and Limit SW	Relais de commande de toit ouvrant Commande de toit ouvrant Moteur de toit ouvrant transparent et interrupteur de fin de course	Relé de control del techo lunar Interruptor de control del techo lunar Interruptor de motor y limitador del techo lunar
P 4 P 6	Personal Light Power Window Control SW Front RH	Projecteur individuel Commande de lève-glace électrique avant droit	Luz personal Interruptor de control de la ventanilla automática frontal derecha
P 7	Power Window Control SW Rear LH	Commande de lève-glace électrique arrière gauche	Interruptor de control de la ventanilla automática trasera izquierda
P 8	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 9	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 10	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 11	Power Window Motor Front LH	Moteur de lève-glace électrique avant gauche	Motor de la ventanilla automática frontal izquierda
P 12	Power Window Motor Front RH	Moteur de lève-glace électrique avant droit	Motor de la ventanilla automática frontal derecha
P 13	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 14	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 15 P 16	Pretensioner LH Pretensioner RH	Prétendeur gauche Prétendeur droit	Pretensor izquierdo Pretensor derecho
R 7 R 9 R 11	Rear Combination Light LH Rear Combination Light RH Rear Fog Light	Eclairage arrière combiné gauche Eclairage arrière combiné droit Projecteur antibrouillard arrière	Luz de combinación trasera izquierda Luz de combinación trasera derecha Luz antiniebla trasera
R 12 R 13 R 14	Rear Speaker LH Rear Speaker RH Rear Window Defogger (+)	Haut-parleur arrière gauche Haut-parleur arrière droit Désembueur de glace de lunette arrière (+)	Altavoz trasero izquierdo Altavoz trasero derecho Desempañador de la ventanilla trasera (+)
R 15 R 16 R 17 R 18	Rear Window Defogger (-) Rear Wiper Motor Rear Wiper Relay Rear Wiper Relay and Motor	Désembueur de glace de lunette arrière (-) Moteur d'essuie-glace de lunette arrière Relais d'essuie-glace de lunette arrière Relais et moteur d'essuie-glace de lunette arrière	Desempañador de la ventanilla trasera (-) Motor del limpiador trasero Relé del limpiador trasero Motor y relé del limpiador trasero
R 19 R 20	Remote Control Mirror LH Remote Control Mirror RH	Rétroviseur à commande électrique gauche Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto izquierdo Espejo retrovisor de control remoto derecho
S 14	Seat Belt Retractor SW	Contacteur d'enrouleur de ceinture de sécurité	Interruptor del retractor del cinturón de seguridad
S 15 S 16	Side Airbag Sensor LH Side Airbag Sensor RH	Capteur de sac gonflable latéral gauche Capteur de sac gonflable latéral droit	Sensor del colchón de aire lateral izquierdo Sensor del colchón de aire lateral derecho

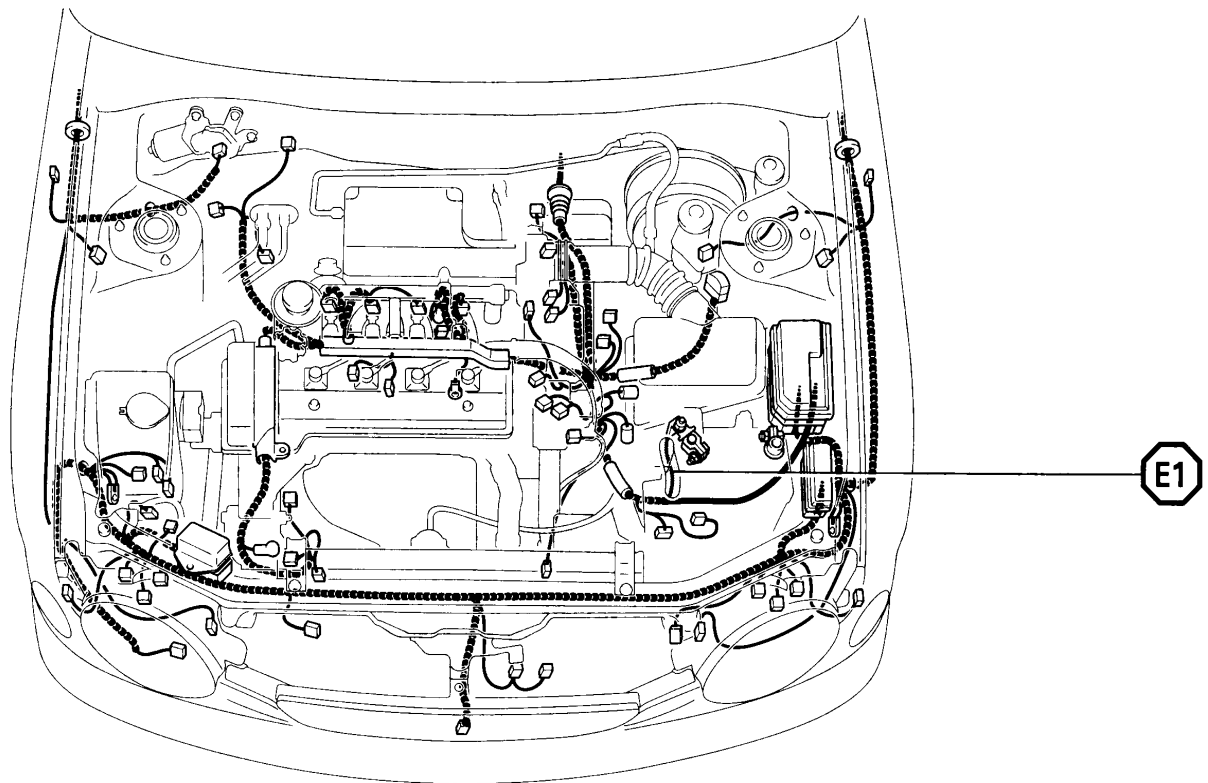
G ELECTRICAL WIRING ROUTING

▽ : Location of Ground Points

[LHD : 7A-FE]



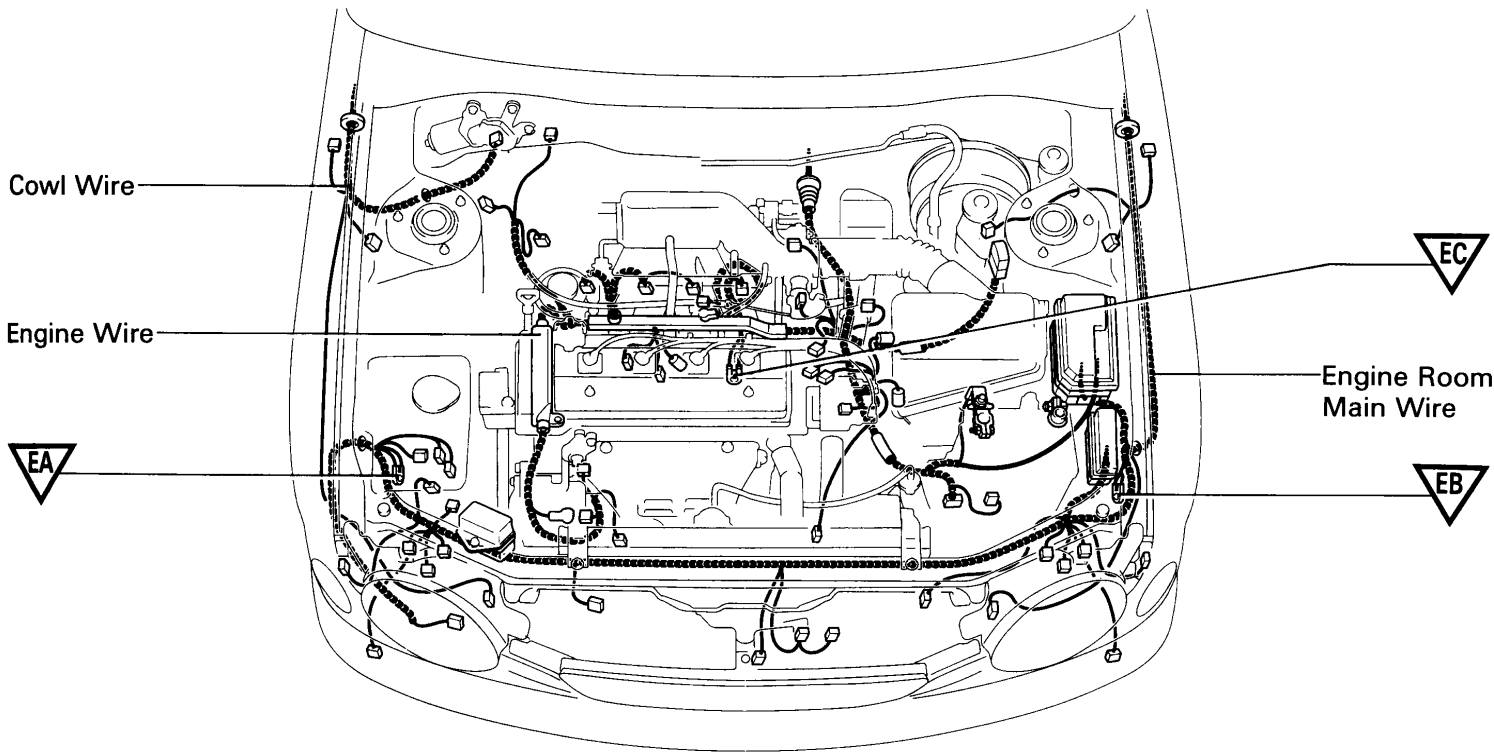
○ : Location of Splice Points



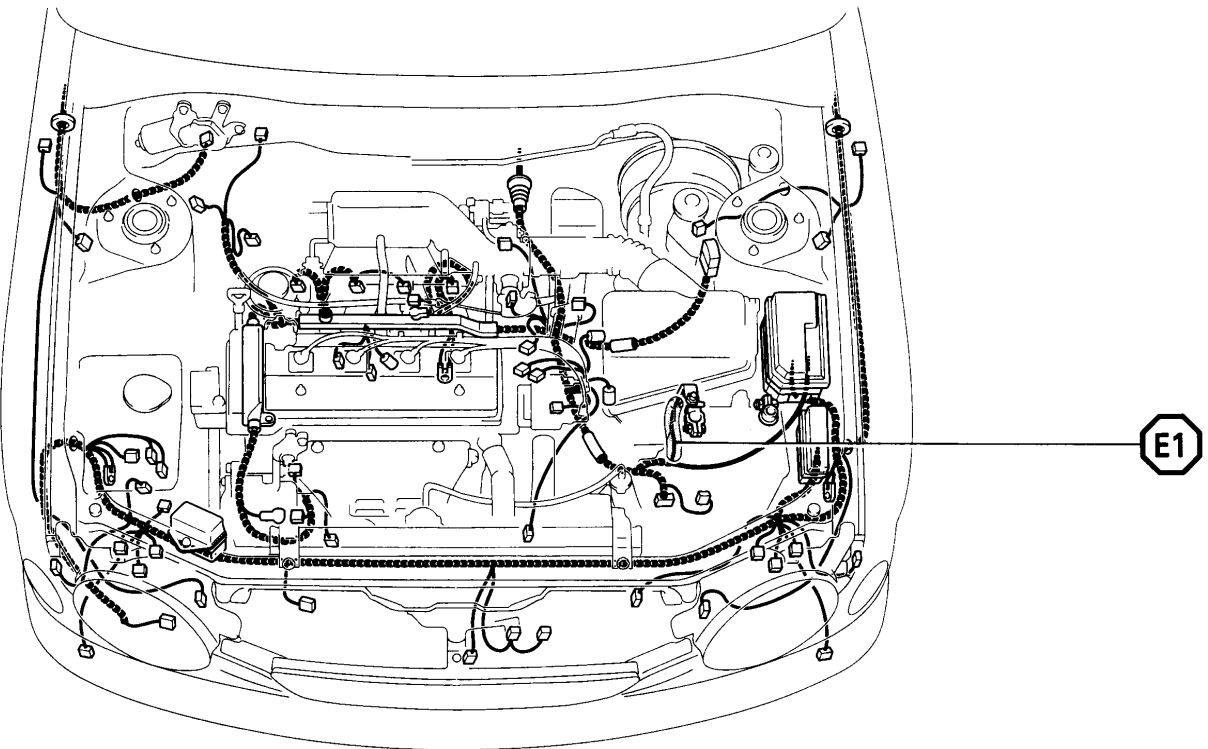
G

▽ : Location of Ground Points

[LHD : 4A-FE]

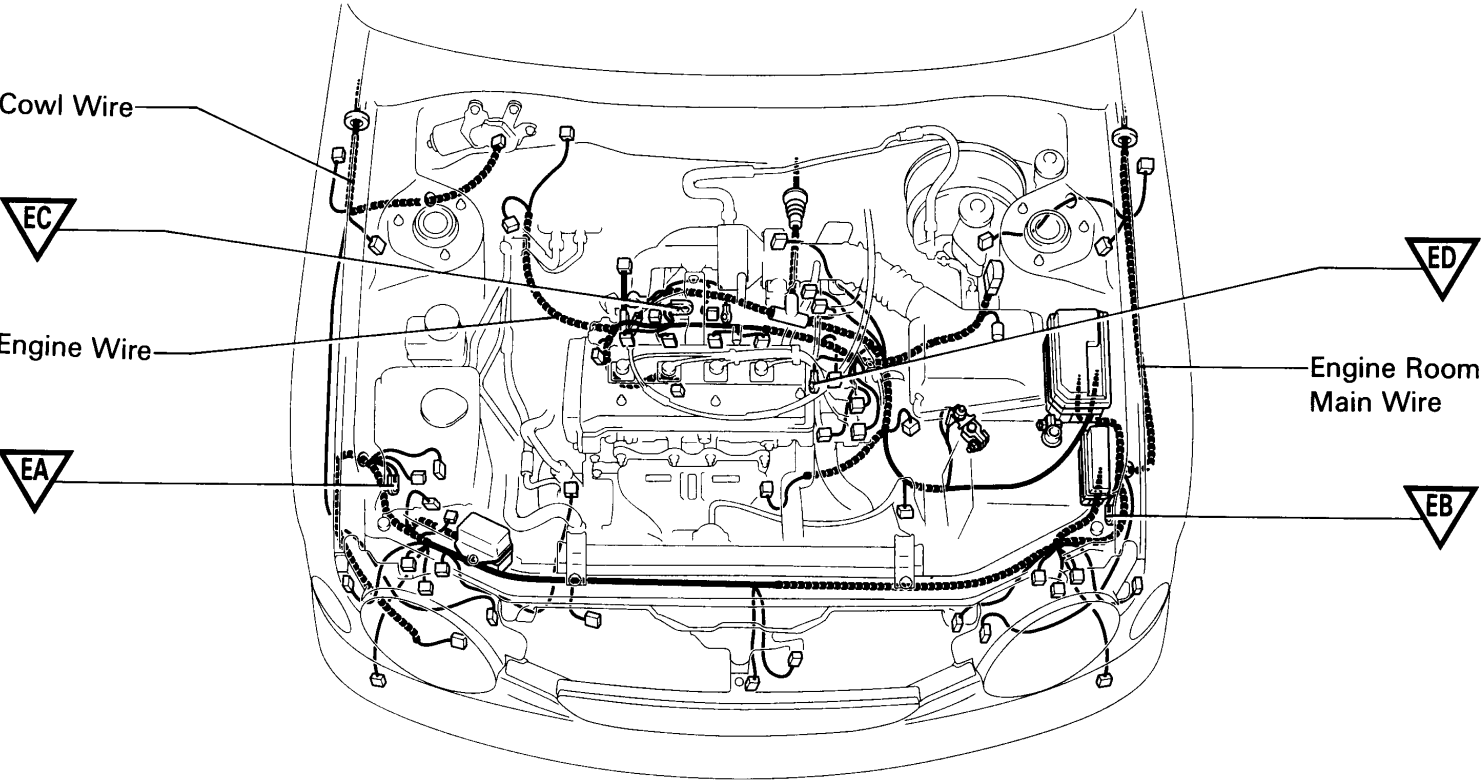


○ : Location of Splice Points

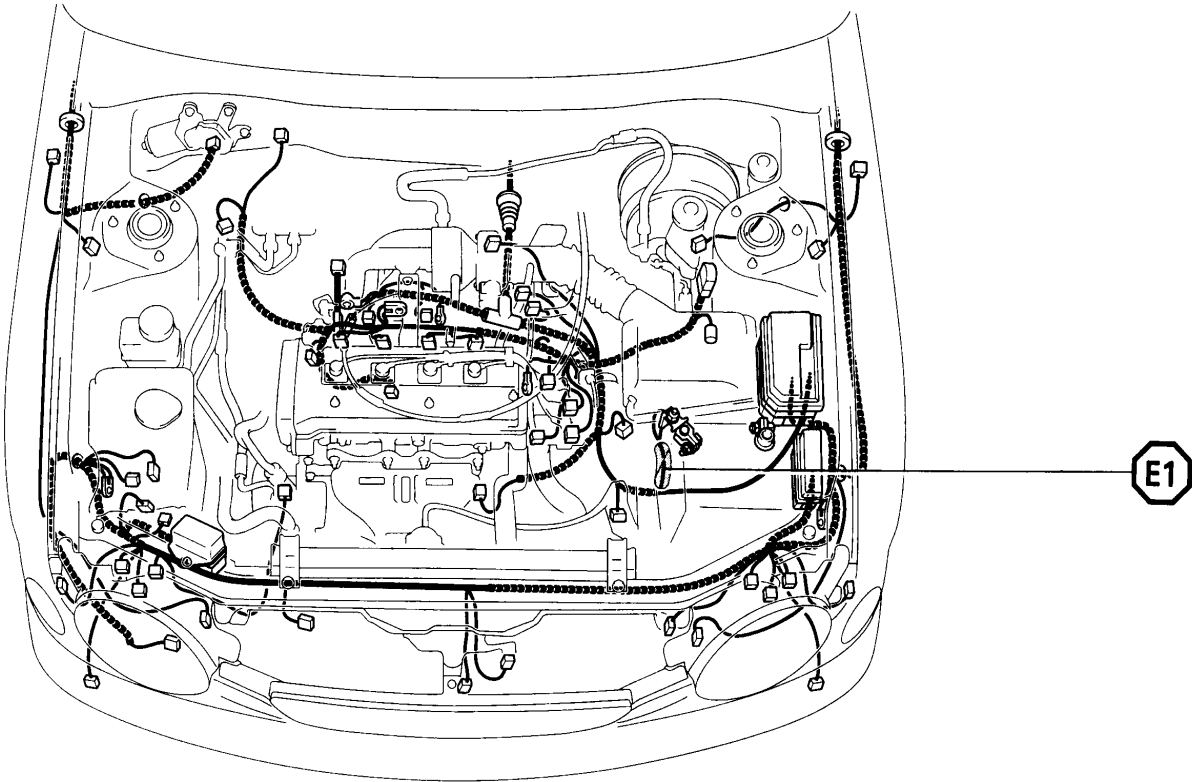


▽ : Location of Ground Points

[LHD : 4E-FE]

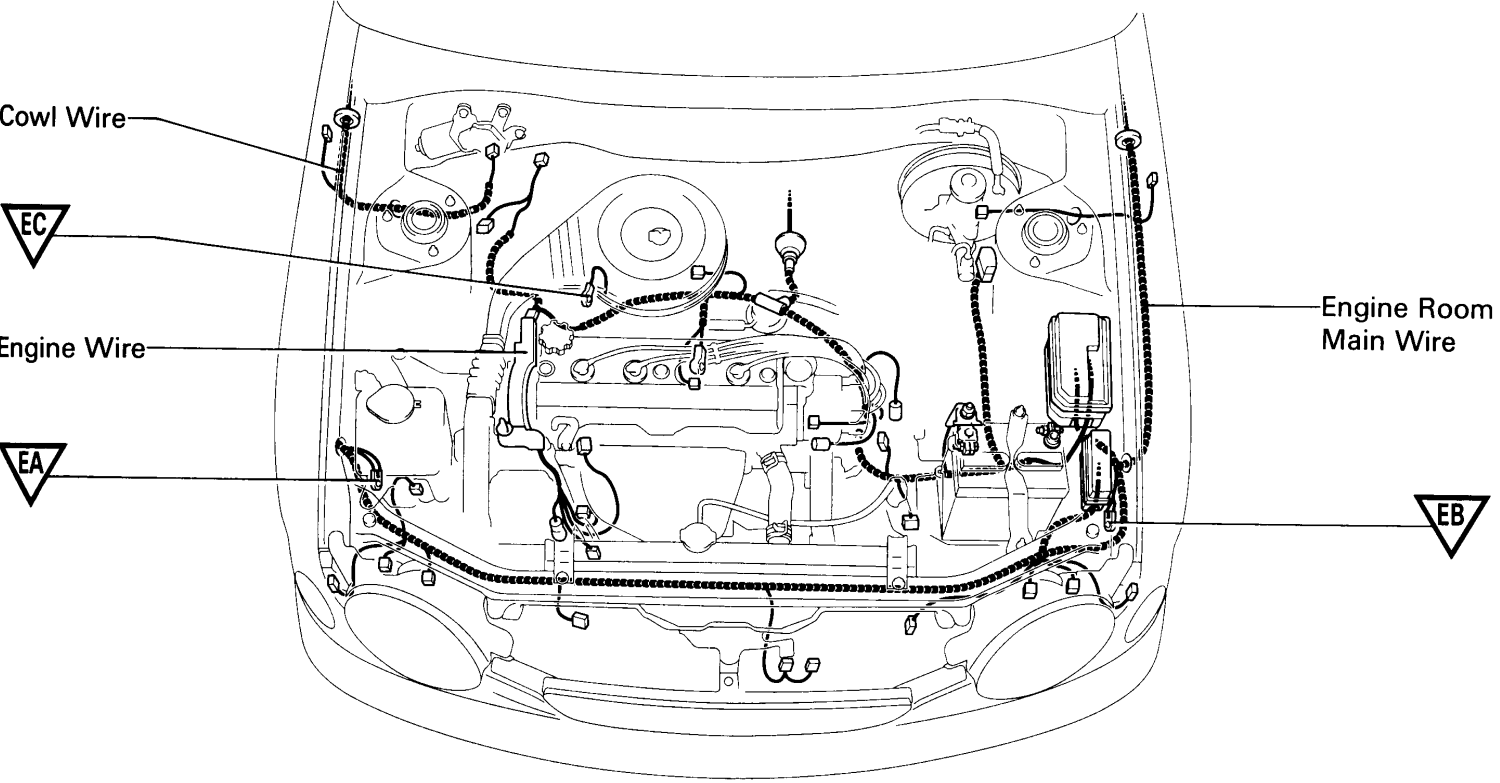


○ : Location of Splice Points

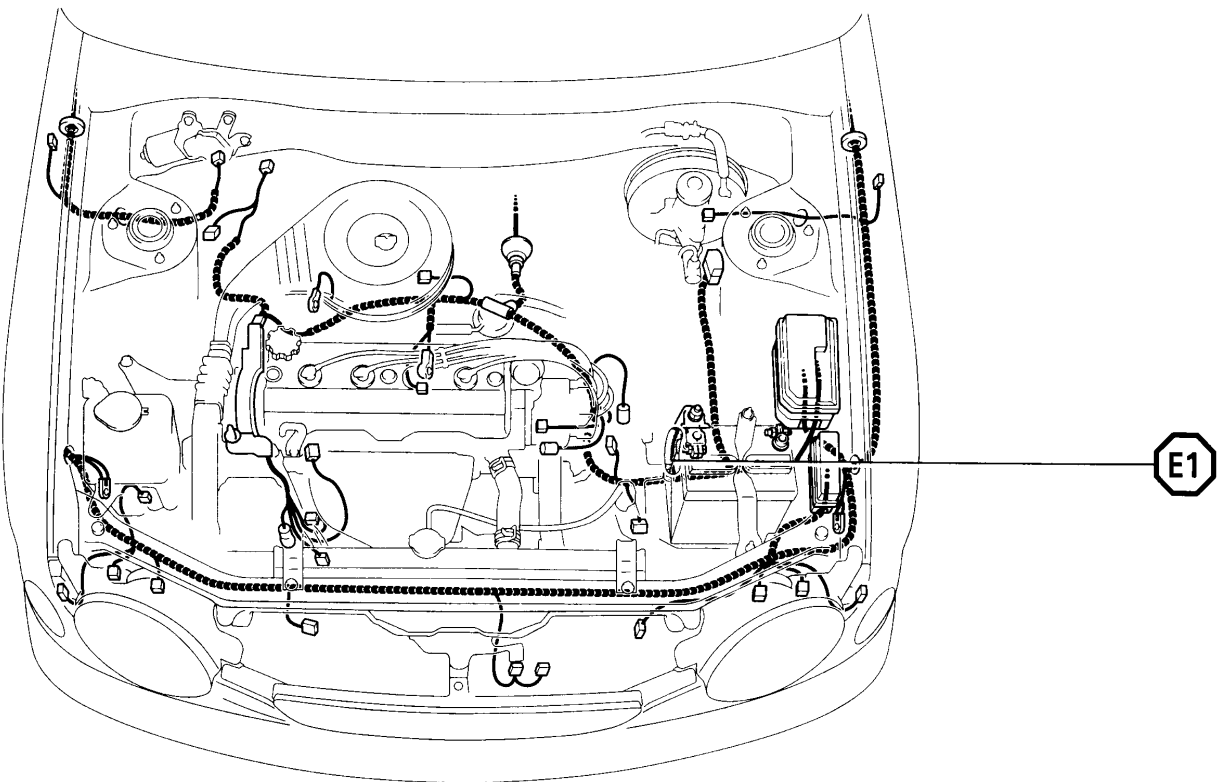


▽ : Location of Ground Points

[LHD : 4A-F]



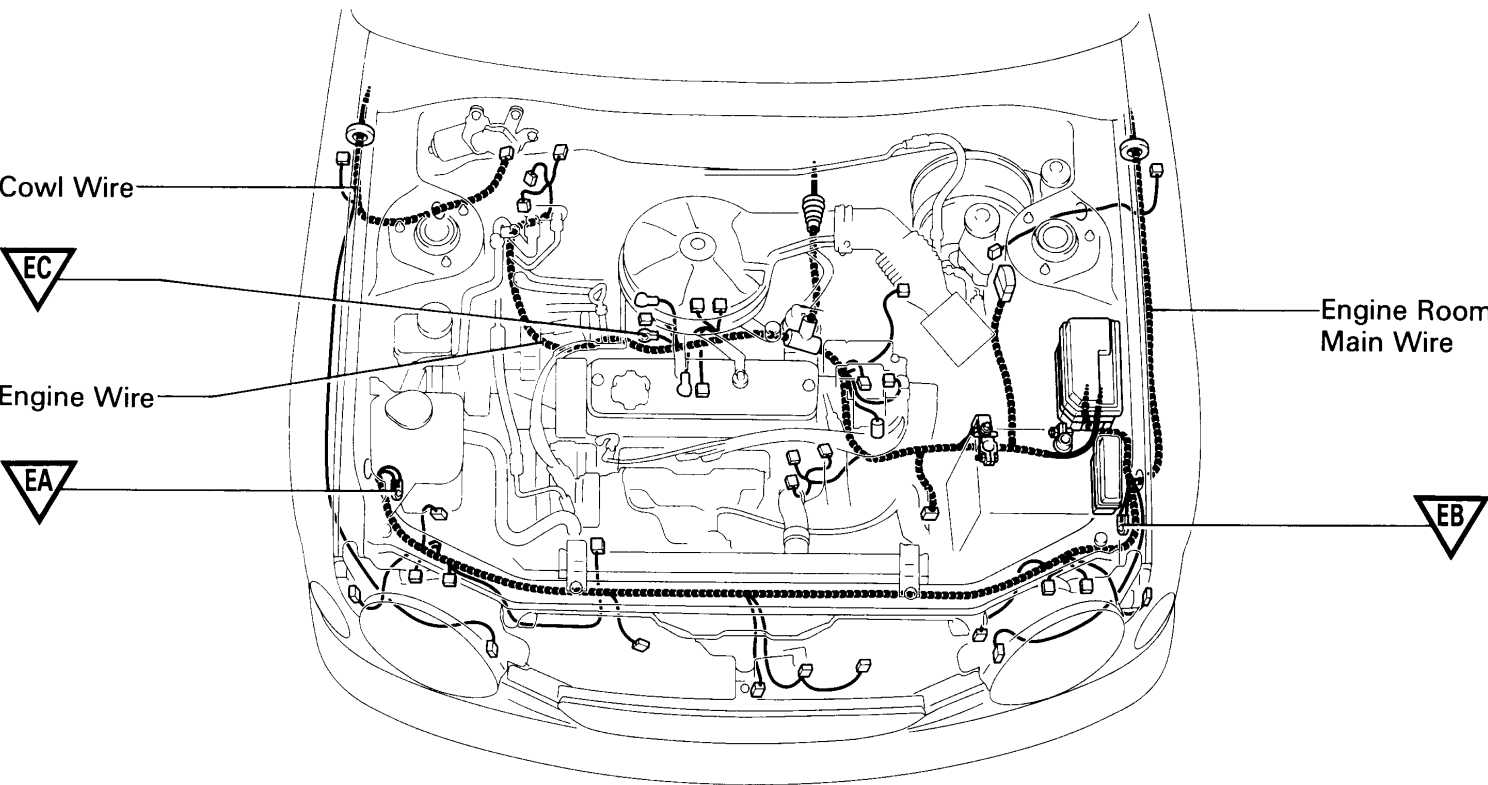
○ : Location of Splice Points



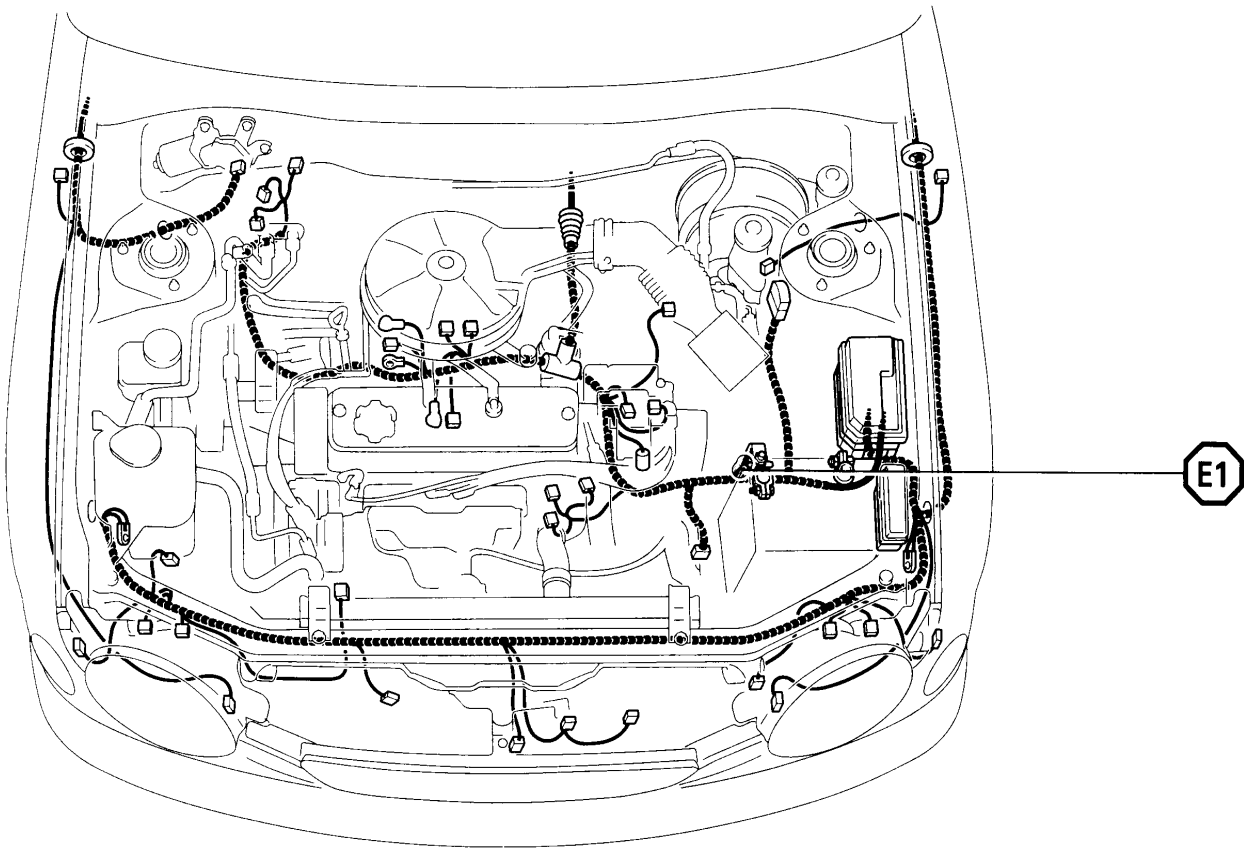
G ELECTRICAL WIRING ROUTING

▽ : Location of Ground Points

[LHD : 2E]

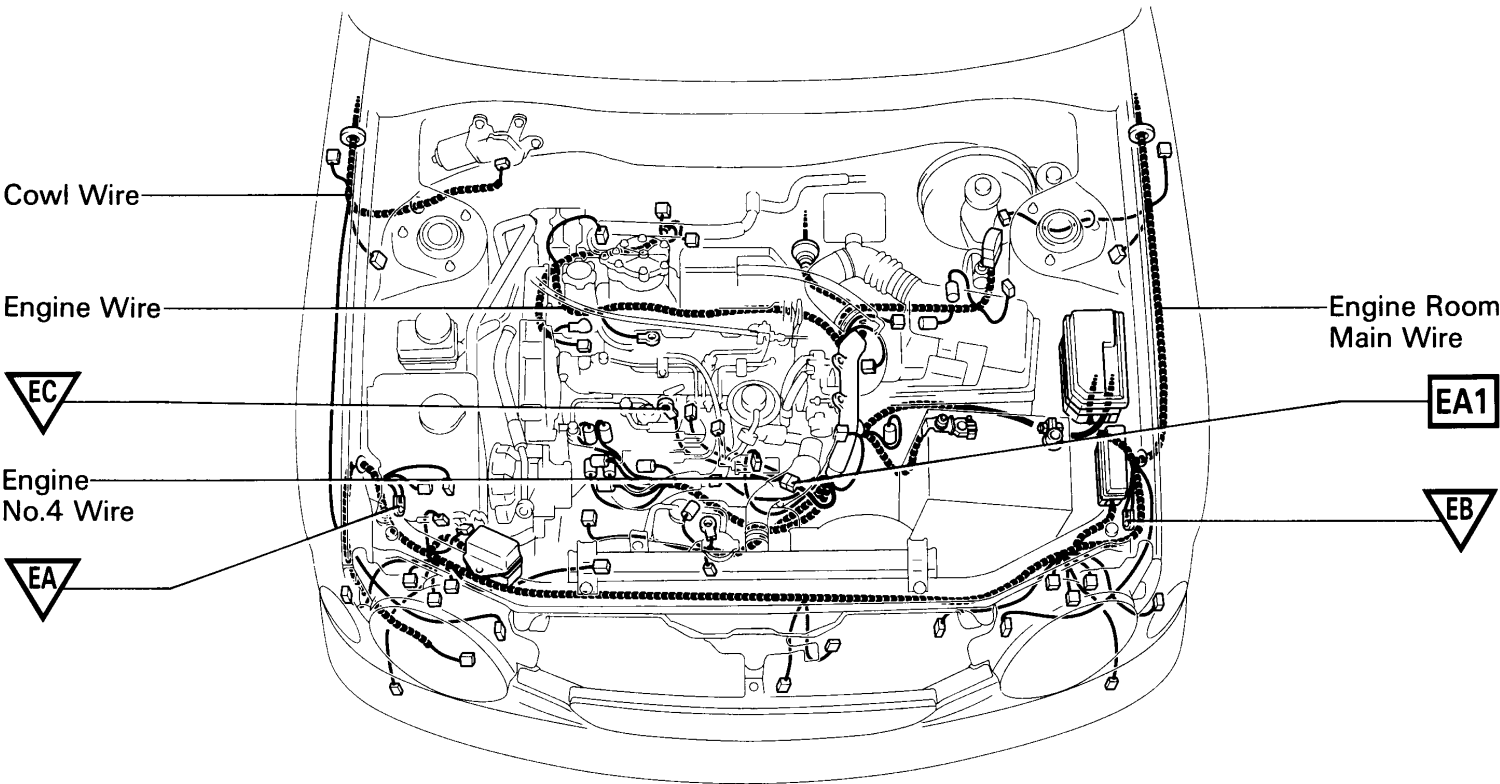


○ : Location of Splice Points

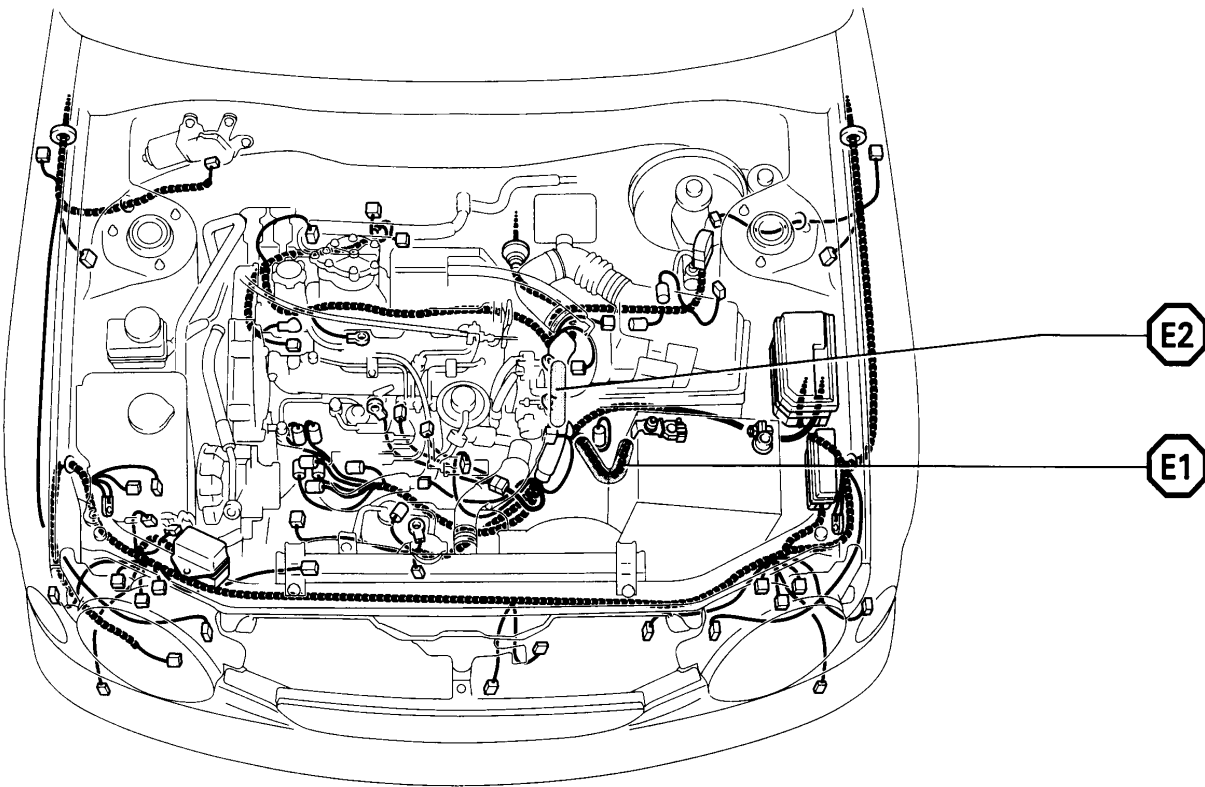


- : Location of Connector Joining Wire Harness and Wire Harness
- ▽ : Location of Ground Points

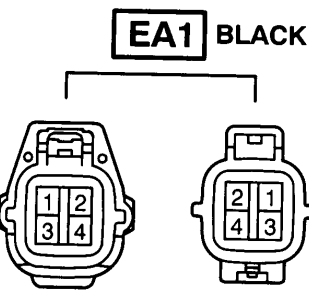
[LHD : 2C-E]



○ : Location of Splice Points



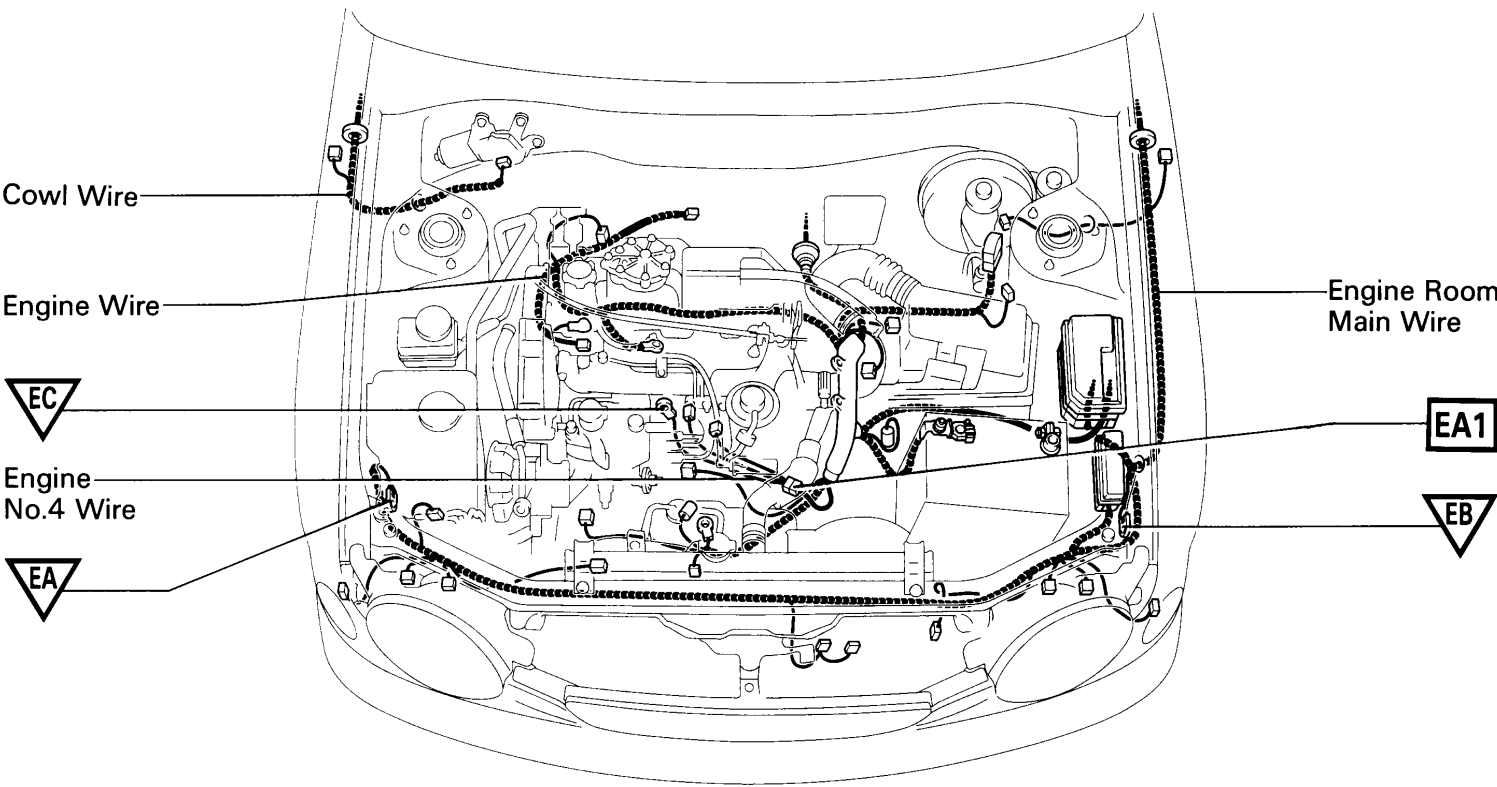
Connector Joining Wire Harness and Wire Harness



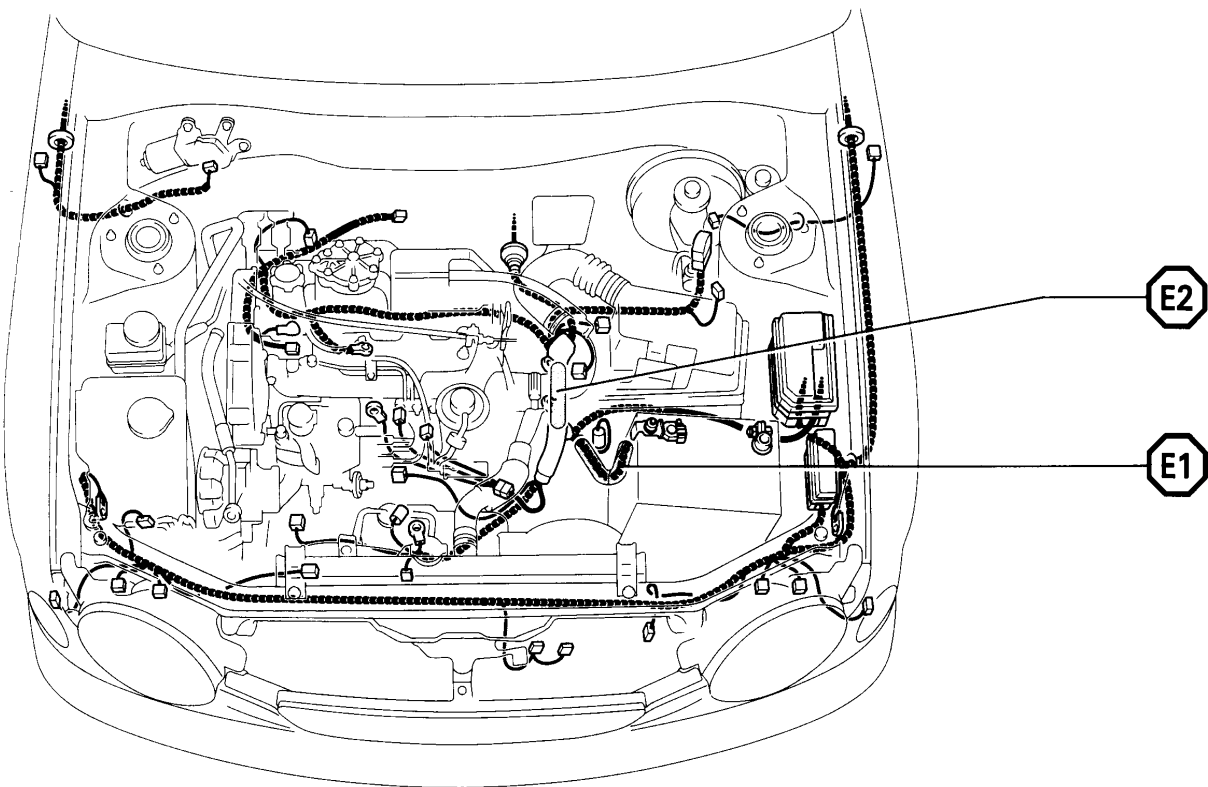
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No. 4 Wire (Near the Starter)

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

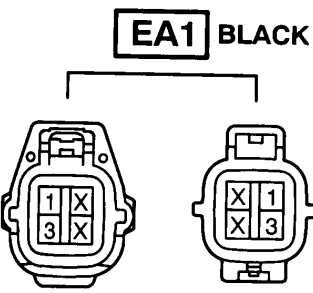
[LHD : 2C]



○ : Location of Splice Points



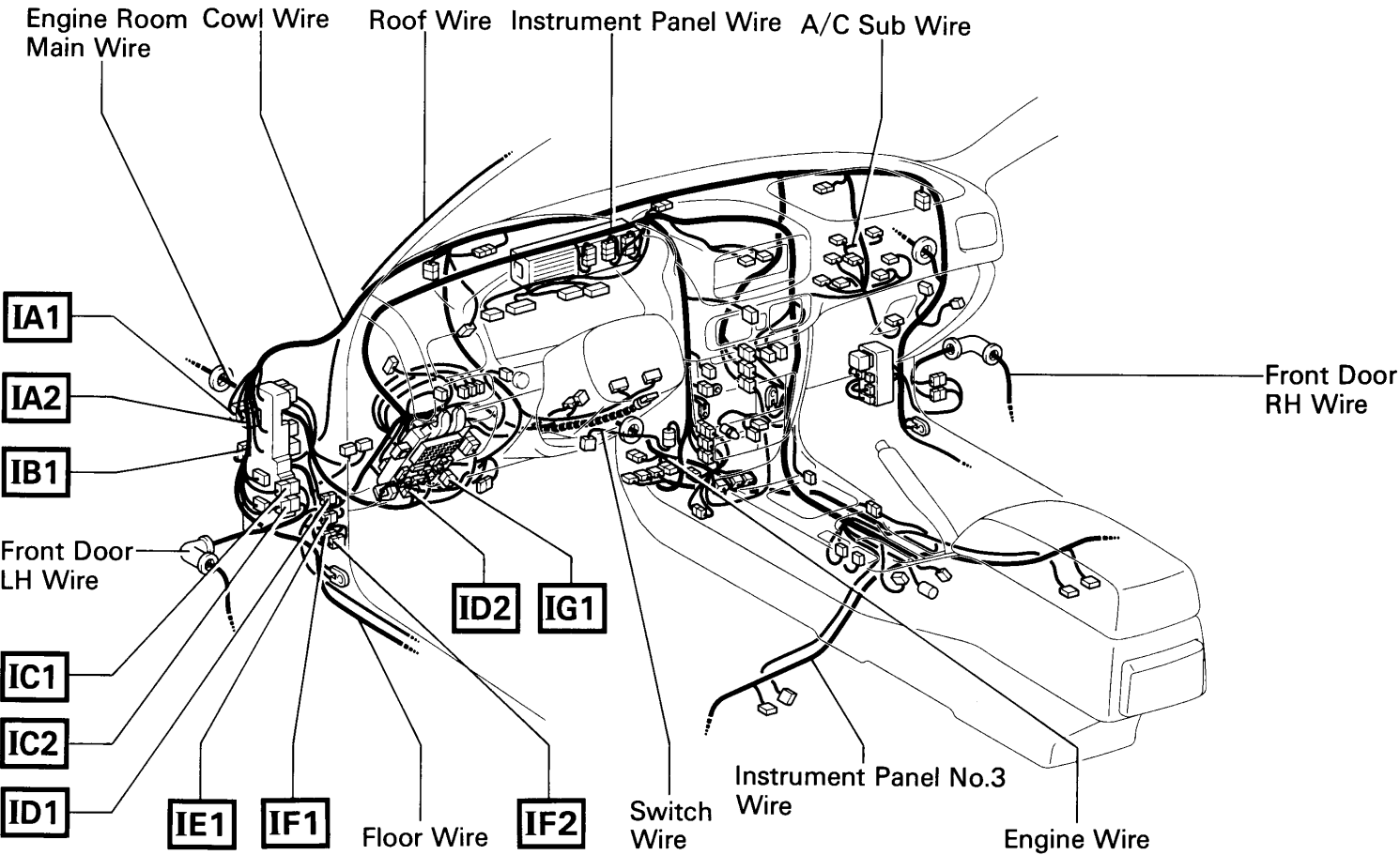
Connector Joining Wire Harness and Wire Harness



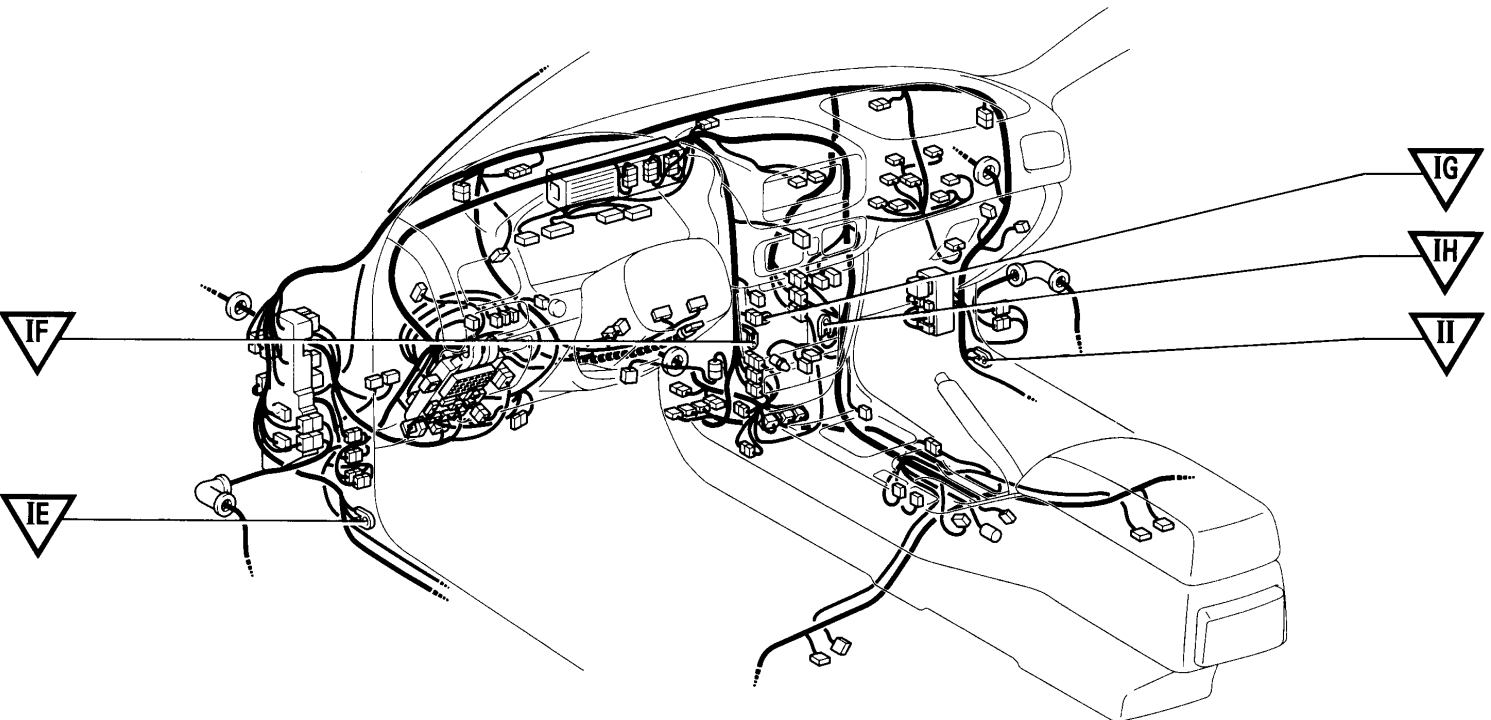
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No. 4 Wire (Near the Starter)

□ : Location of Connector Joining Wire Harness and Wire Harness

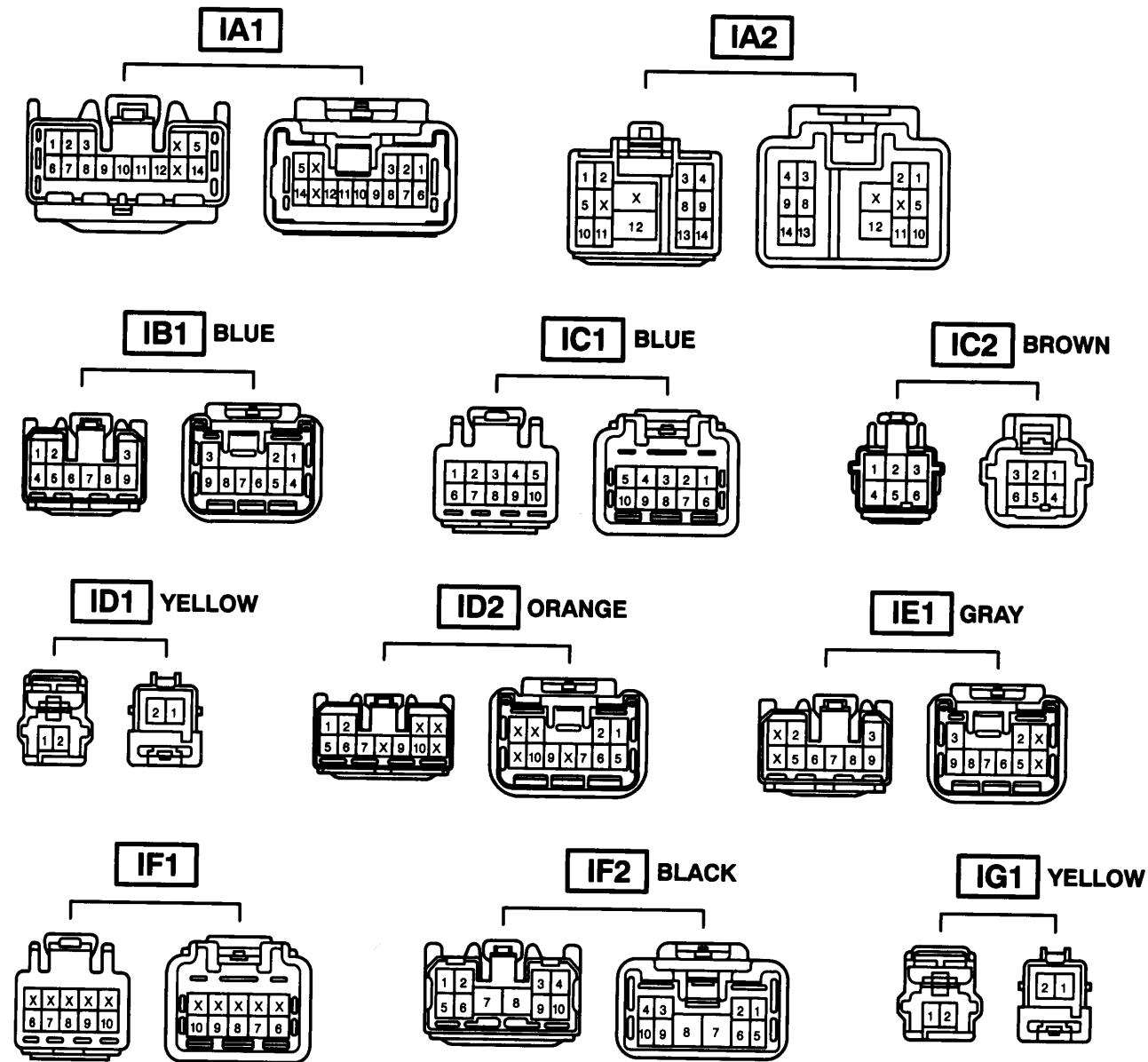
[LHD]



▽ : Location of Ground Points



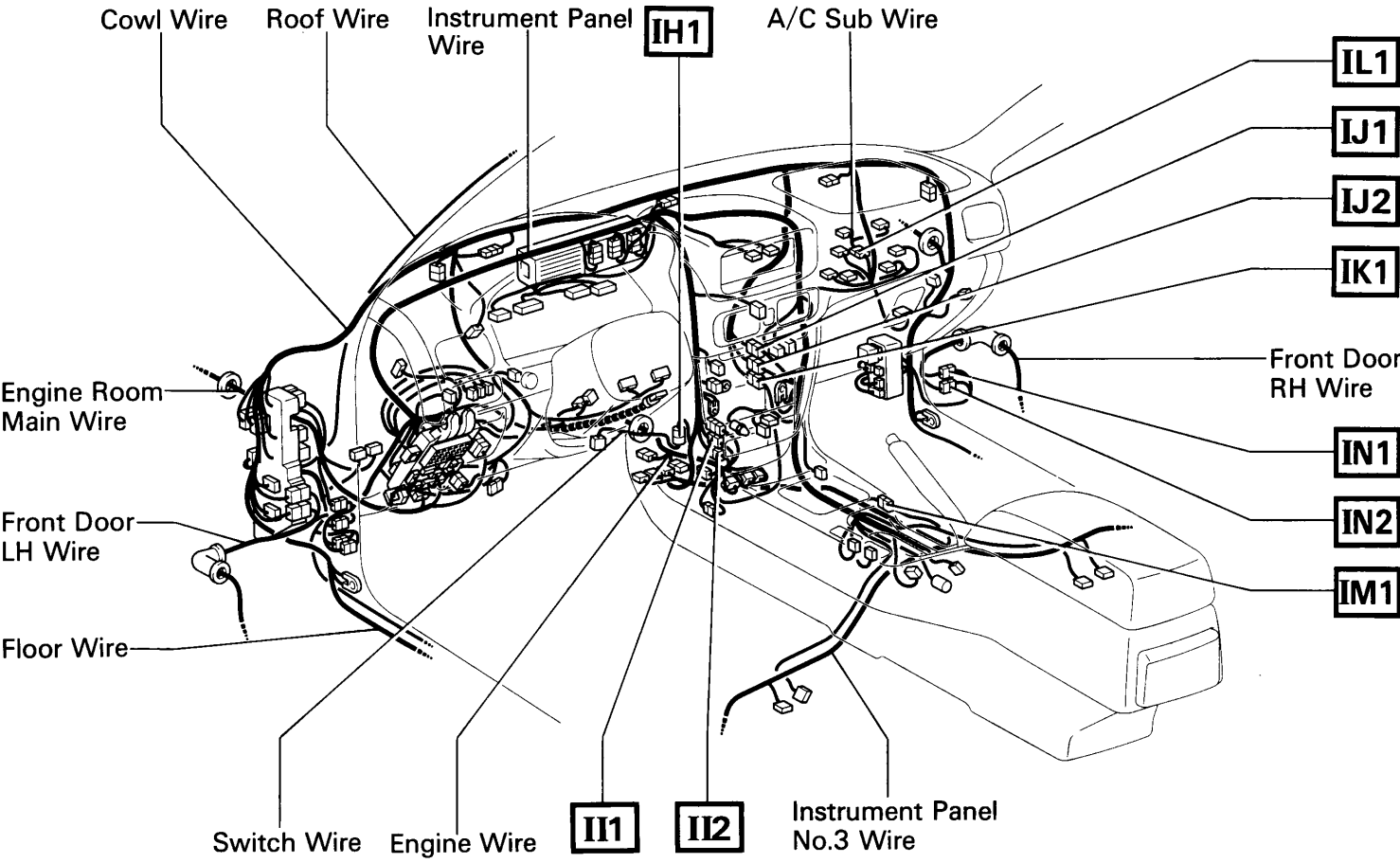
Connector Joining Wire Harness and Wire Harness



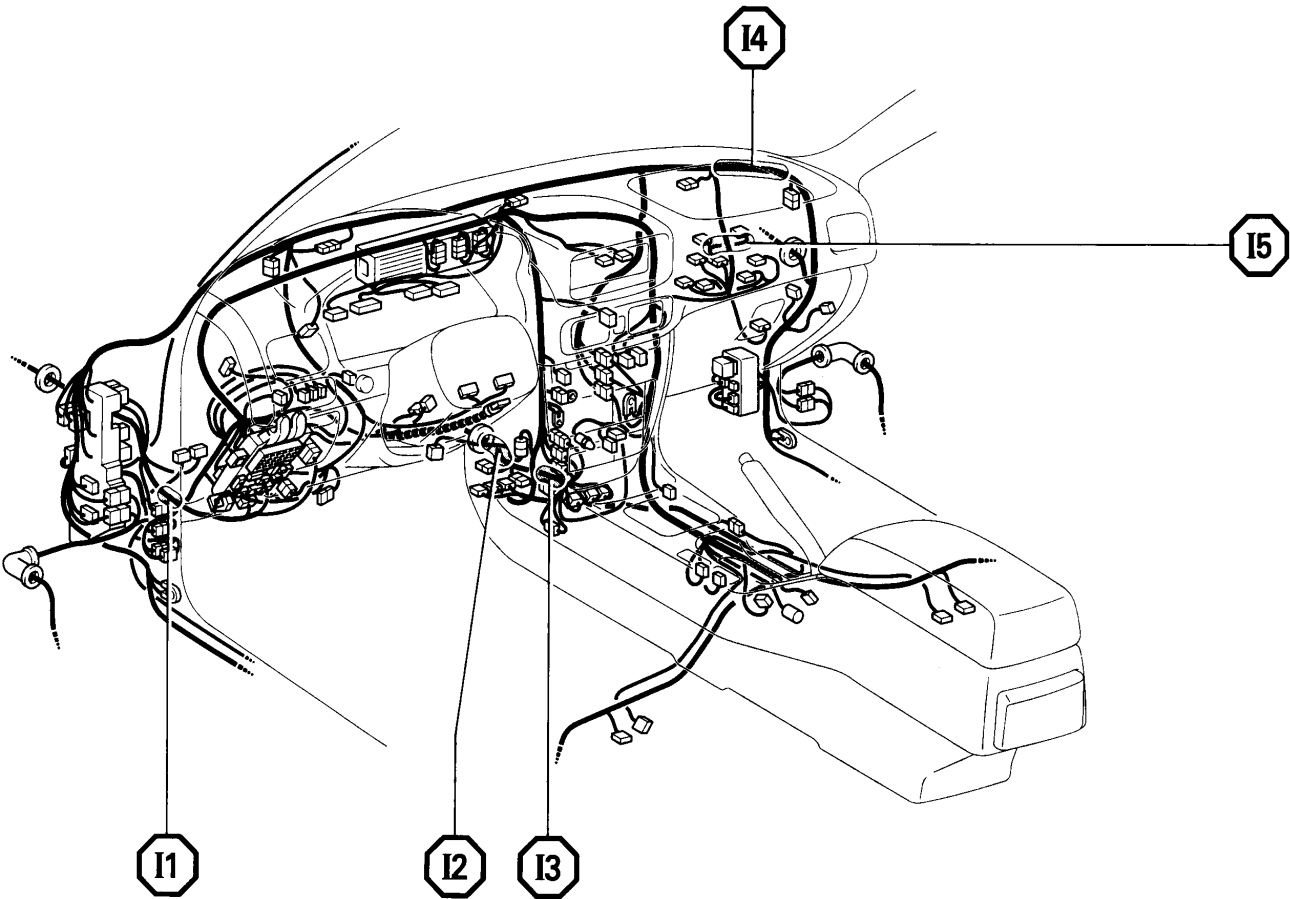
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IA2	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IB1	Floor Wire and Cowl Wire (Near the Driver Side R/B)
IC1	Front Door LH Wire and Cowl Wire (Near the Driver Side R/B)
IC2	Front Door LH Wire and Cowl Wire (Near the Driver Side R/B)
ID1	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
ID2	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IE1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF1	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IF2	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IG1	Cowl Wire and Instrument Panel Wire (Lower Finish Panel)

□ : Location of Connector Joining Wire Harness and Wire Harness

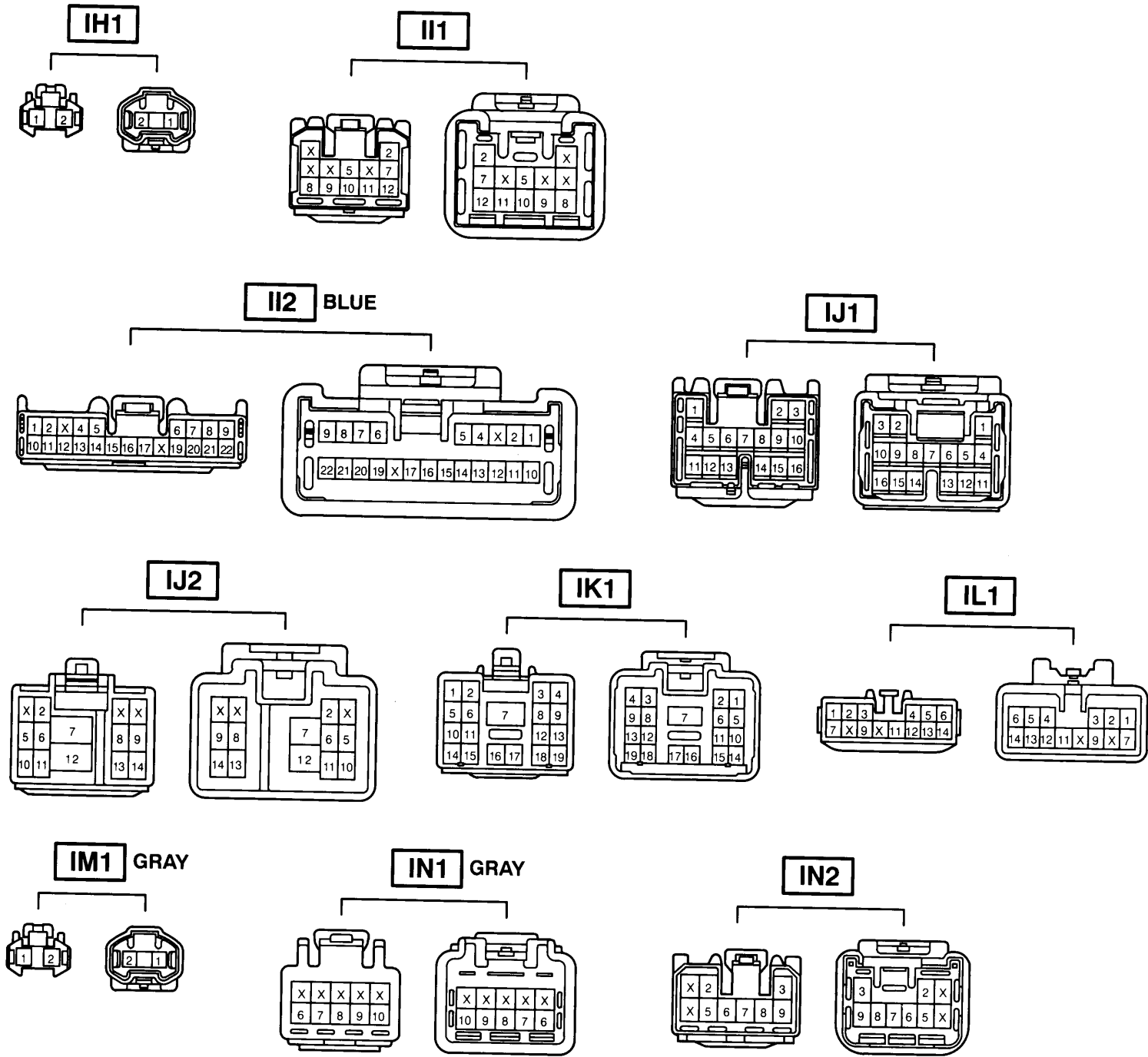
[LHD]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

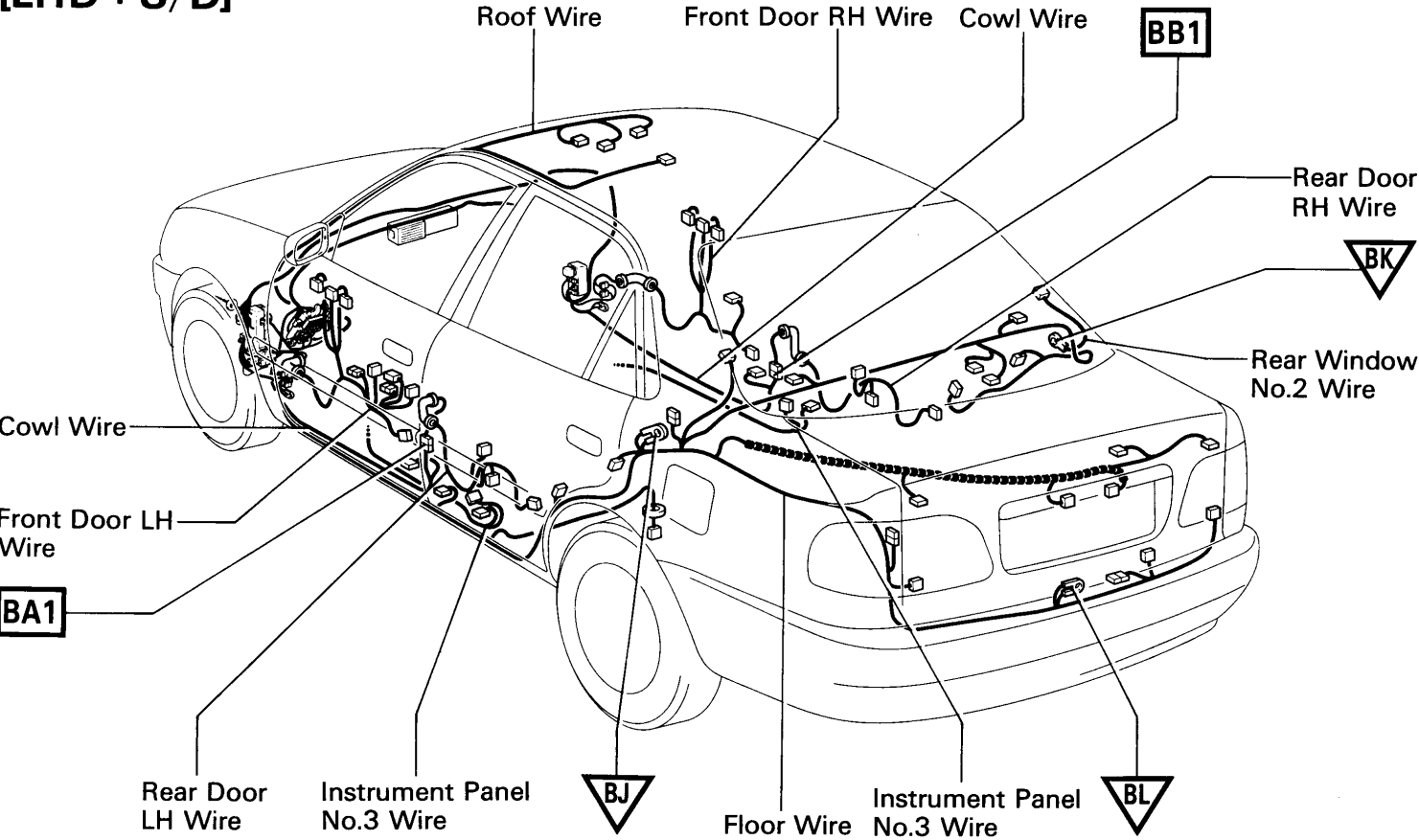


Code	Joining Wire Harness and Wire Harness (Connector Location)
IH1	Switch Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II1	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IJ1	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	Engine Wire and Cowl Wire (Instrument Panel Brace RH)
IL1	Cowl Wire and A/C Sub Wire (Behind the Glove Box)
IM1	Instrument Panel Wire and Instrument Panel No. 3 Wire (Console Box RH)
IN1	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IN2	Front Door RH Wire and Cowl Wire (Right Kick Panel)

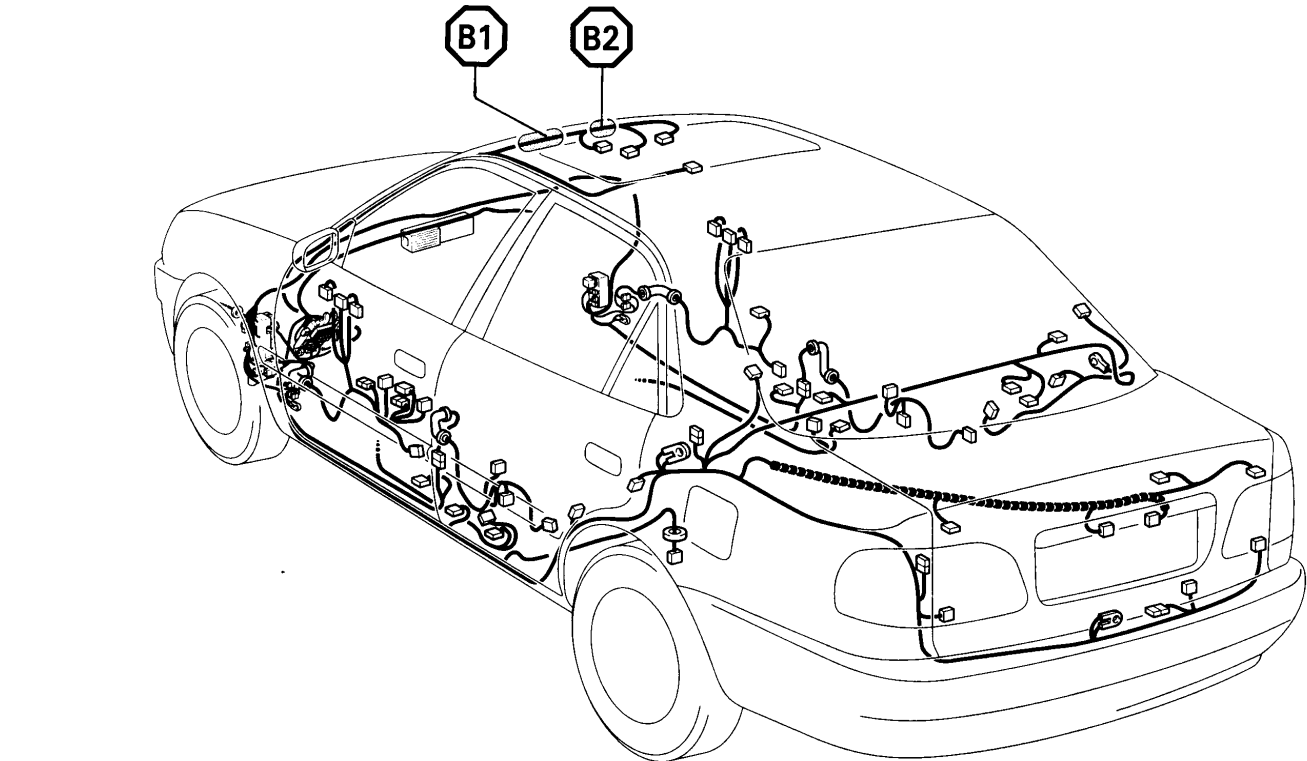
G ELECTRICAL WIRING ROUTING

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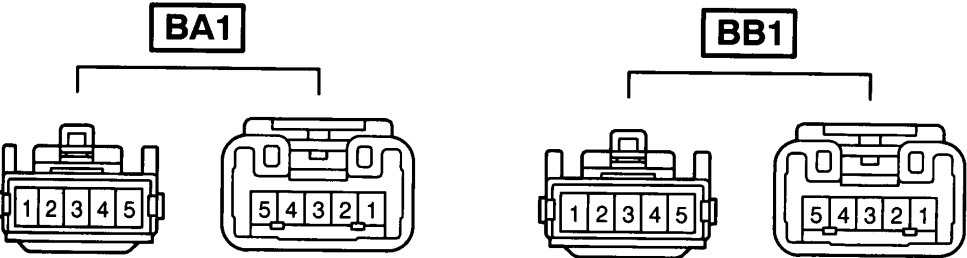
[LHD : S/D]



○ : Location of Splice Points



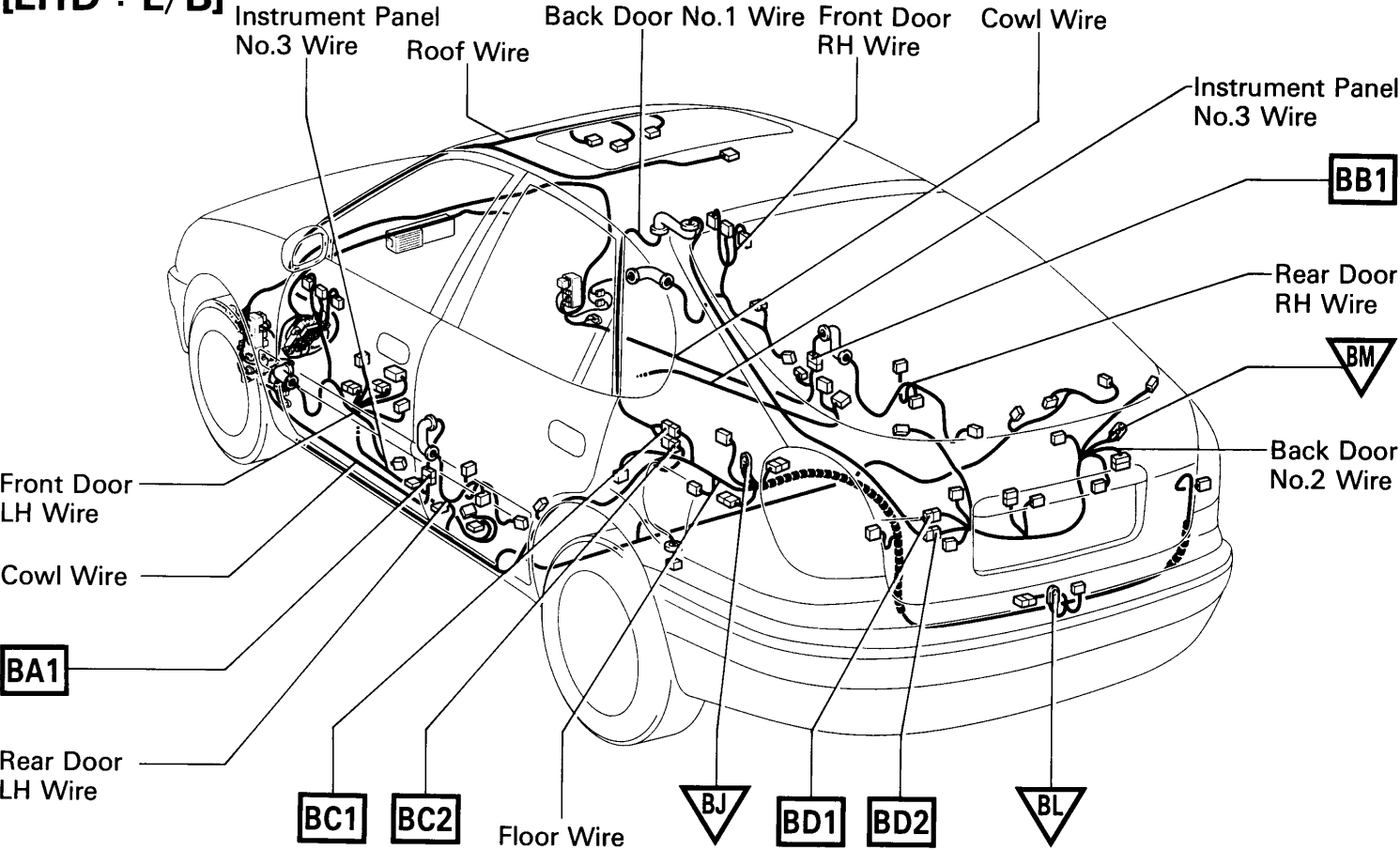
Connector Joining Wire Harness and Wire Harness



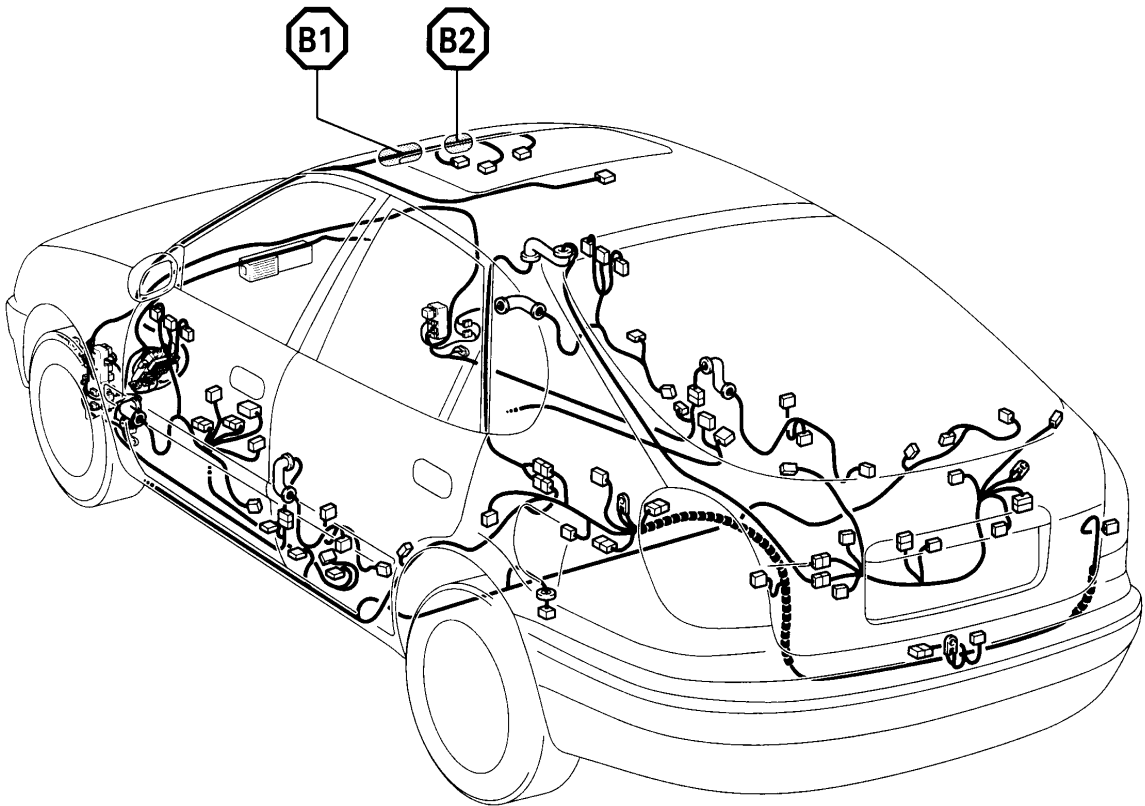
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)

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

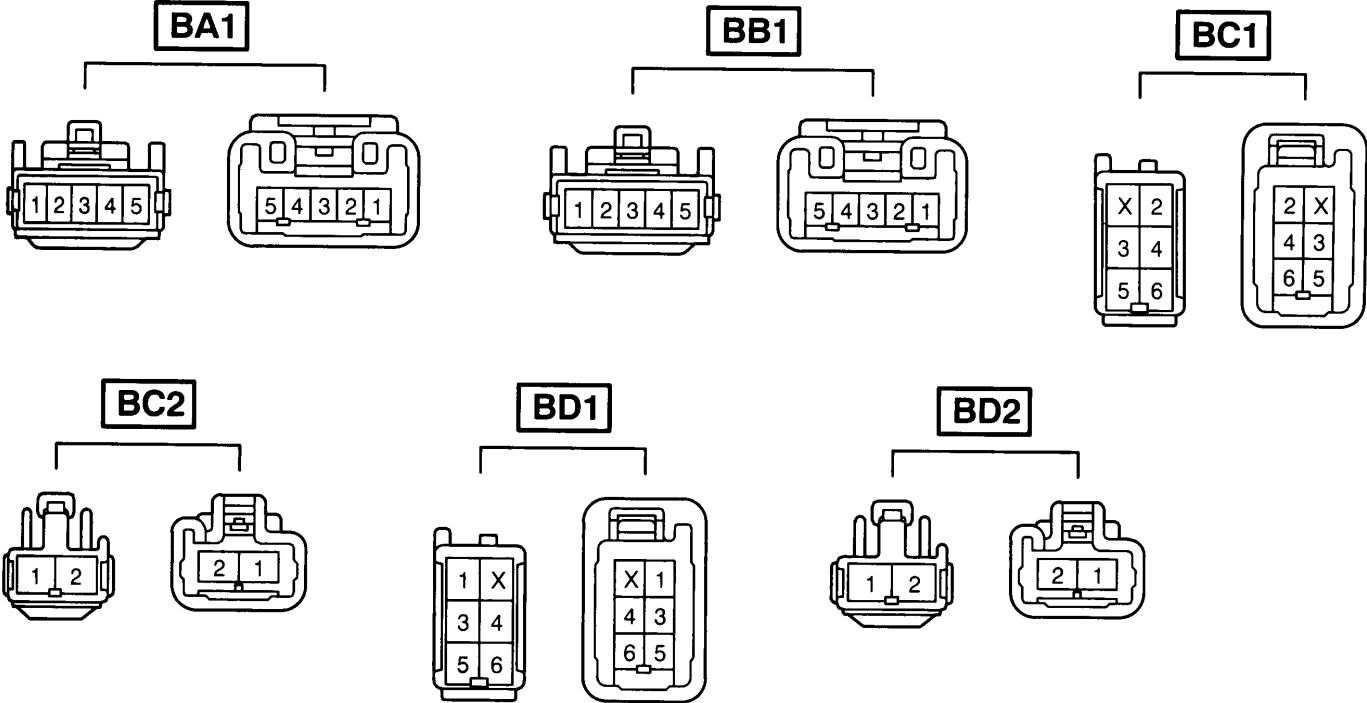
[LHD : L/B]



○ : Location of Splice Points



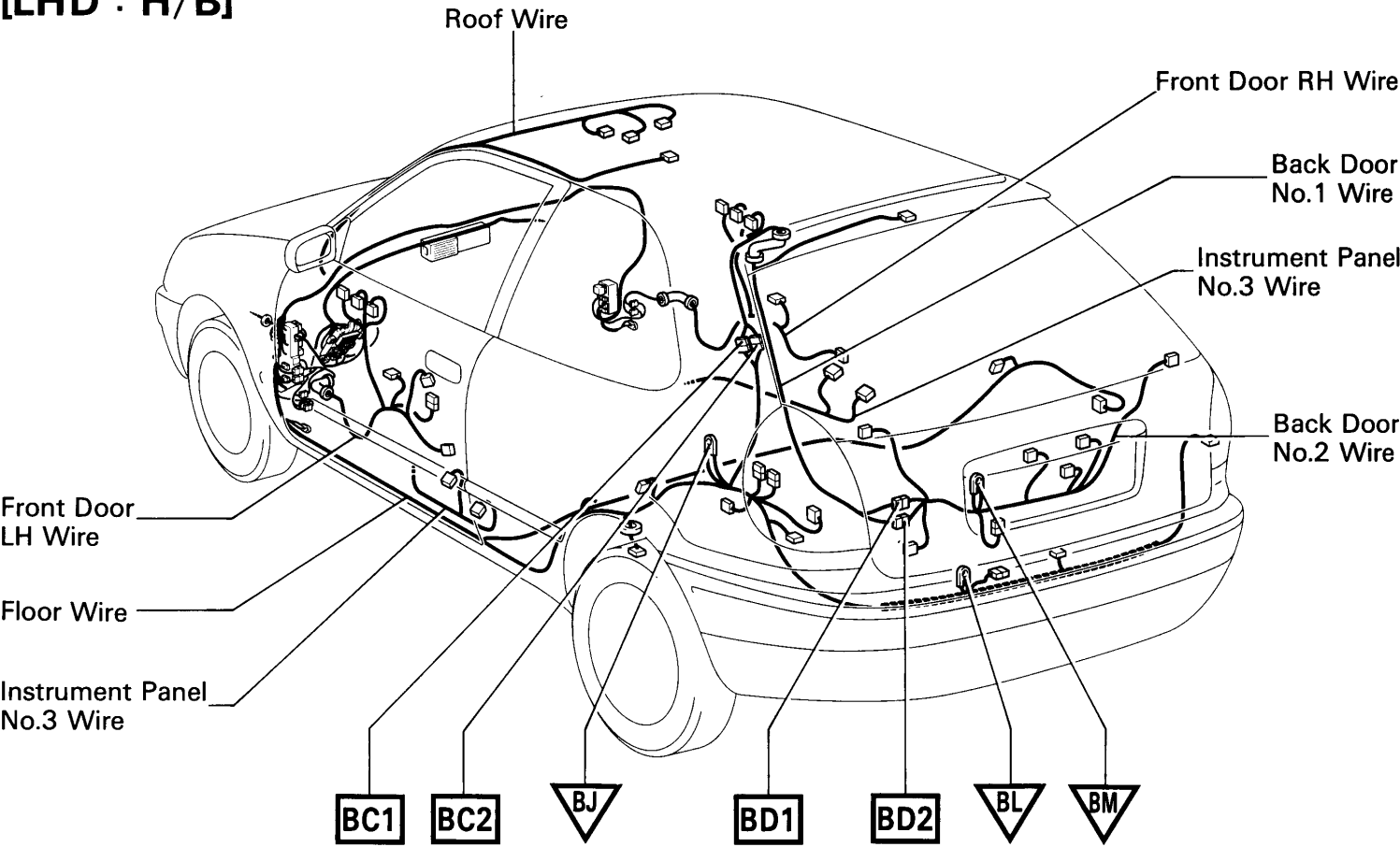
Connector Joining Wire Harness and Wire Harness



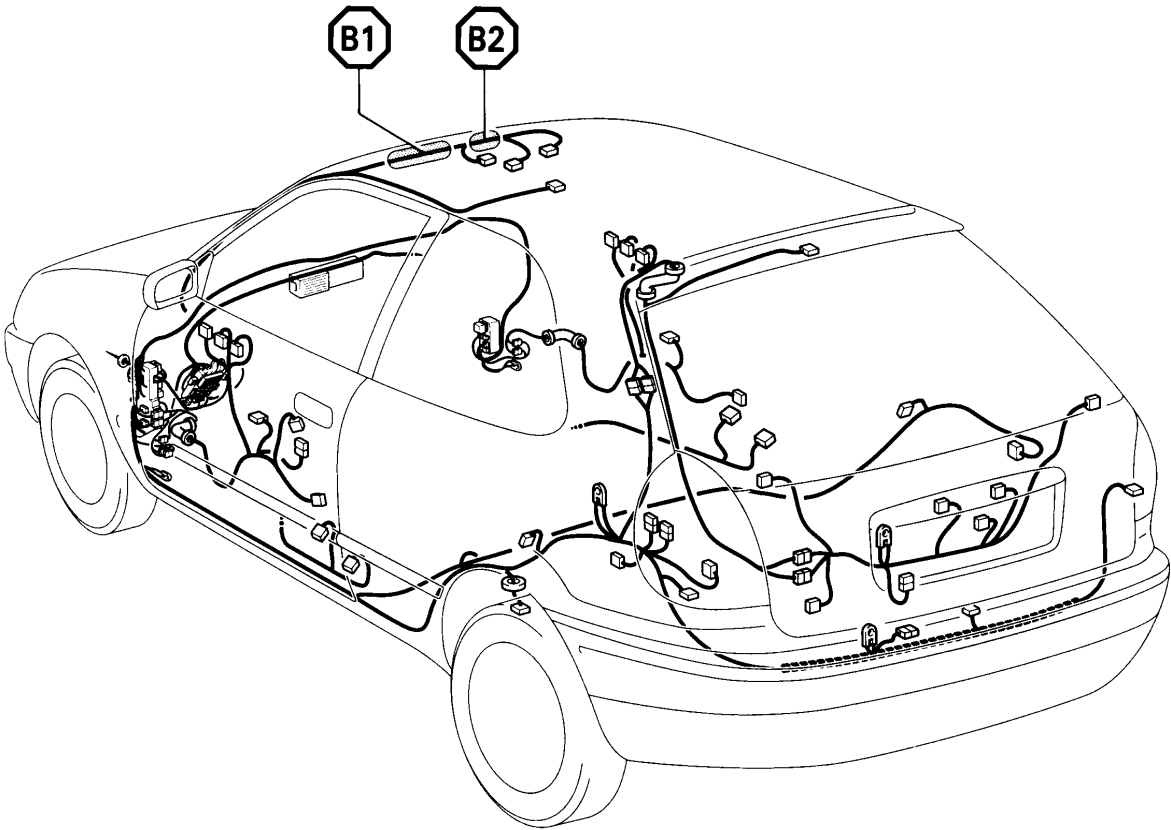
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
BC1	Back Door No. 1 Wire and Floor Wire (Under the Left Quarter Pillar)
BC2	
BD1	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Left)
BD2	

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

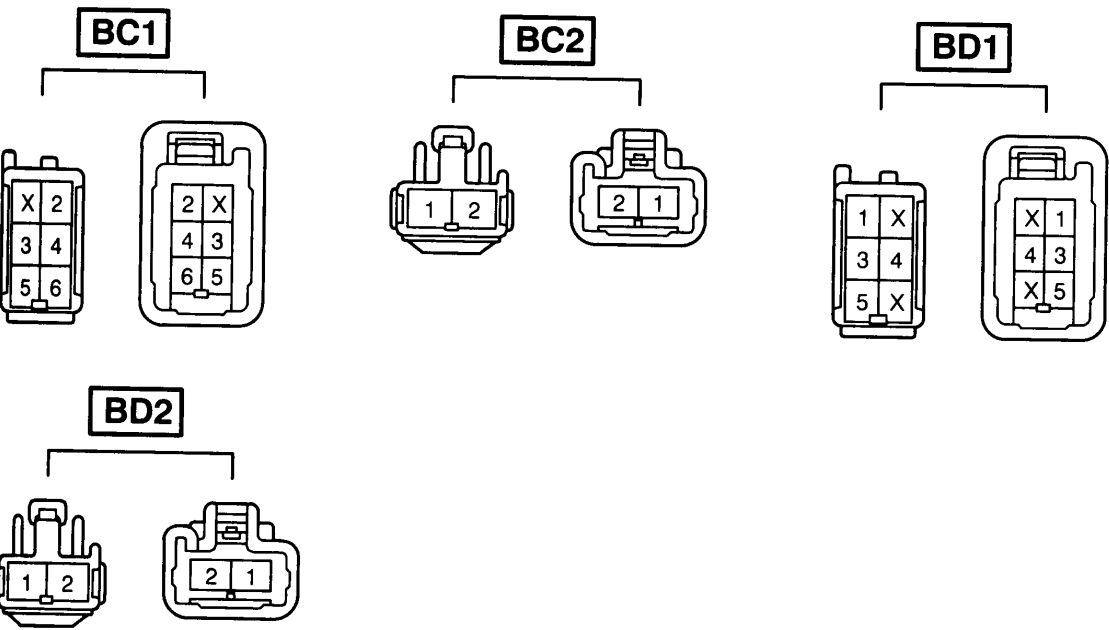
[LHD : H/B]



○ : Location of Splice Points



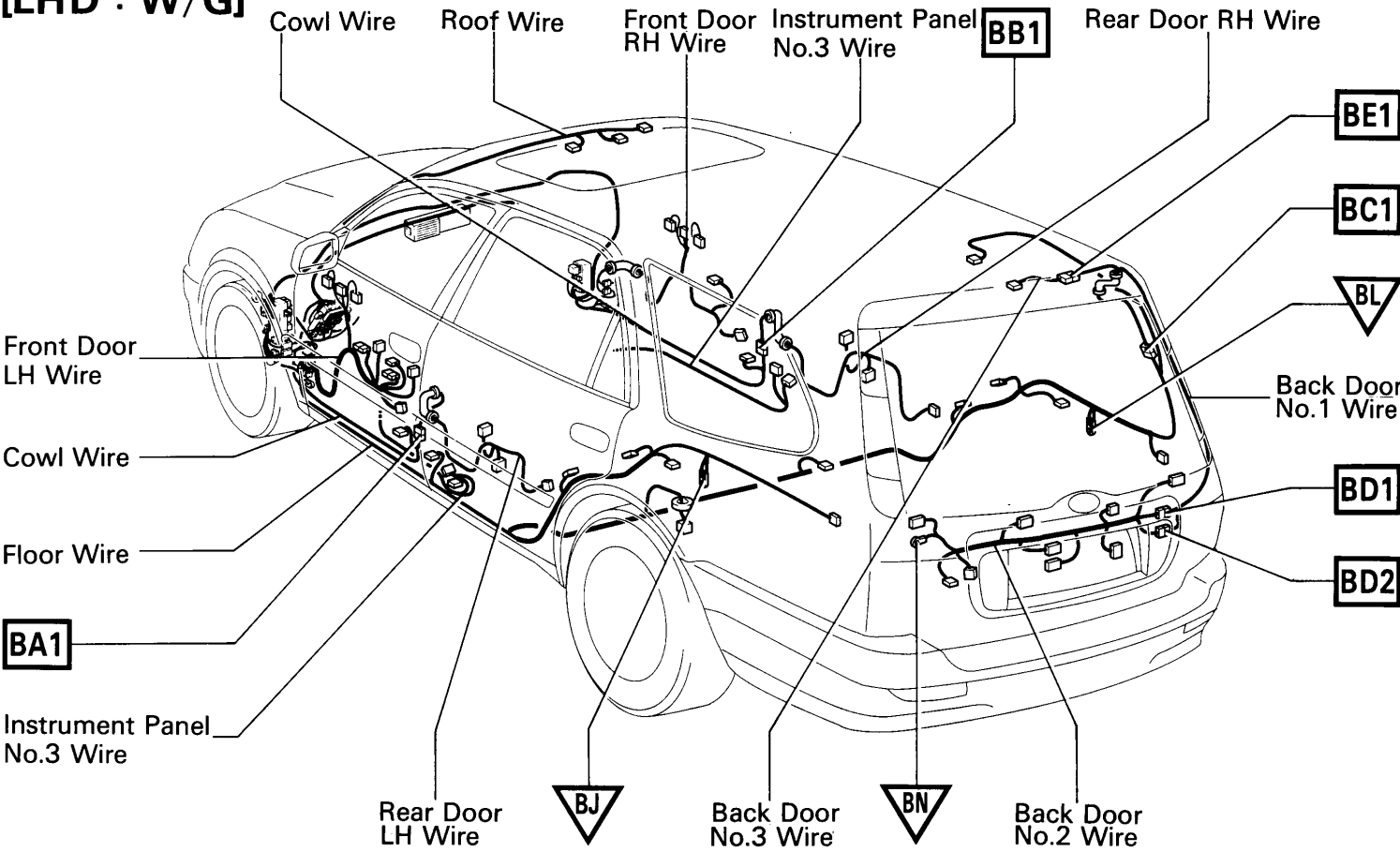
Connector Joining Wire Harness and Wire Harness



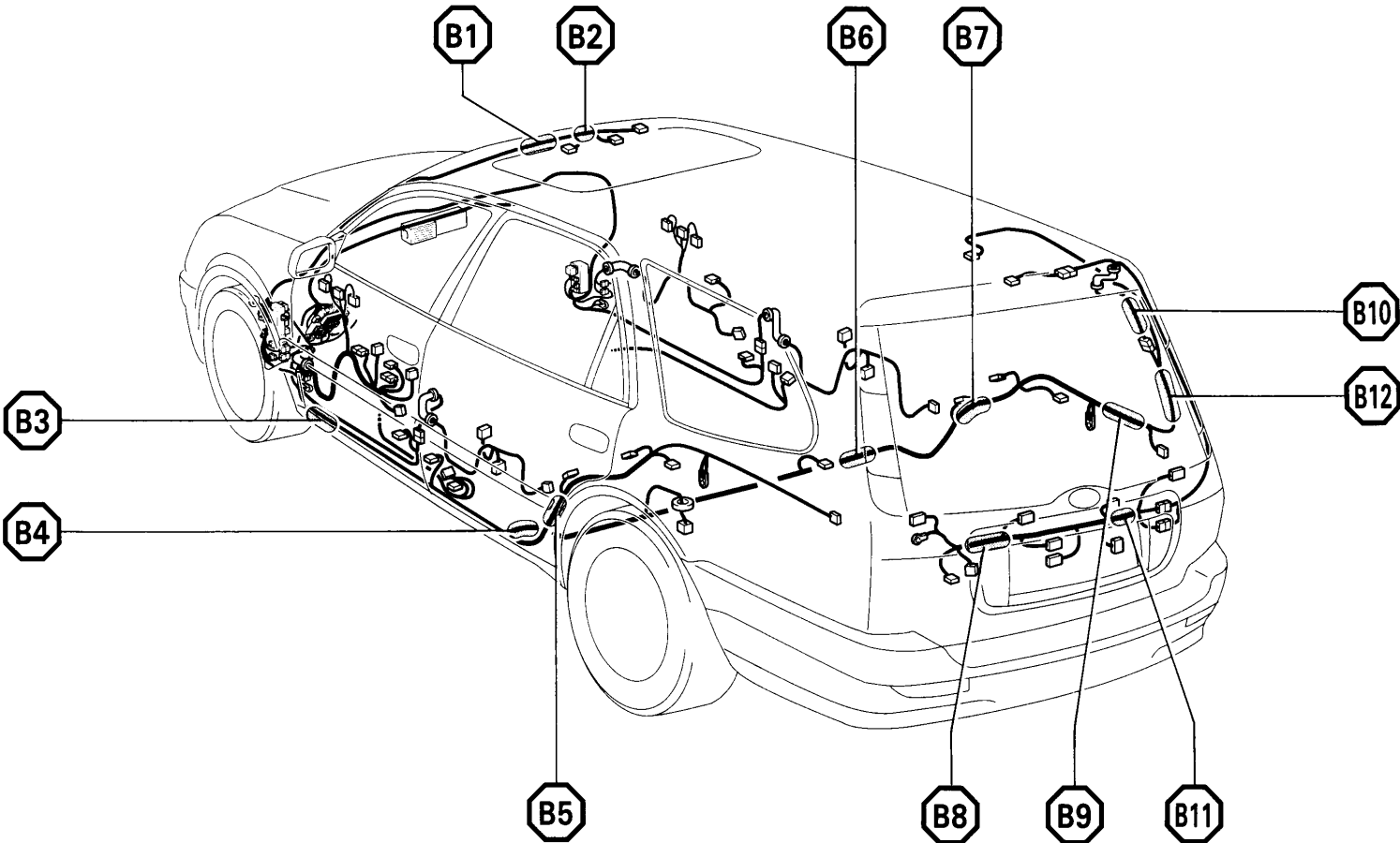
Code	Joining Wire Harness and Wire Harness (Connector Location)
BC1	Back Door No. 1 Wire and Floor Wire (Left Quarter Pillar)
BC2	Back Door No. 1 Wire and Floor Wire (Left Quarter Pillar)
BD1	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Left)
BD2	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Left)

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

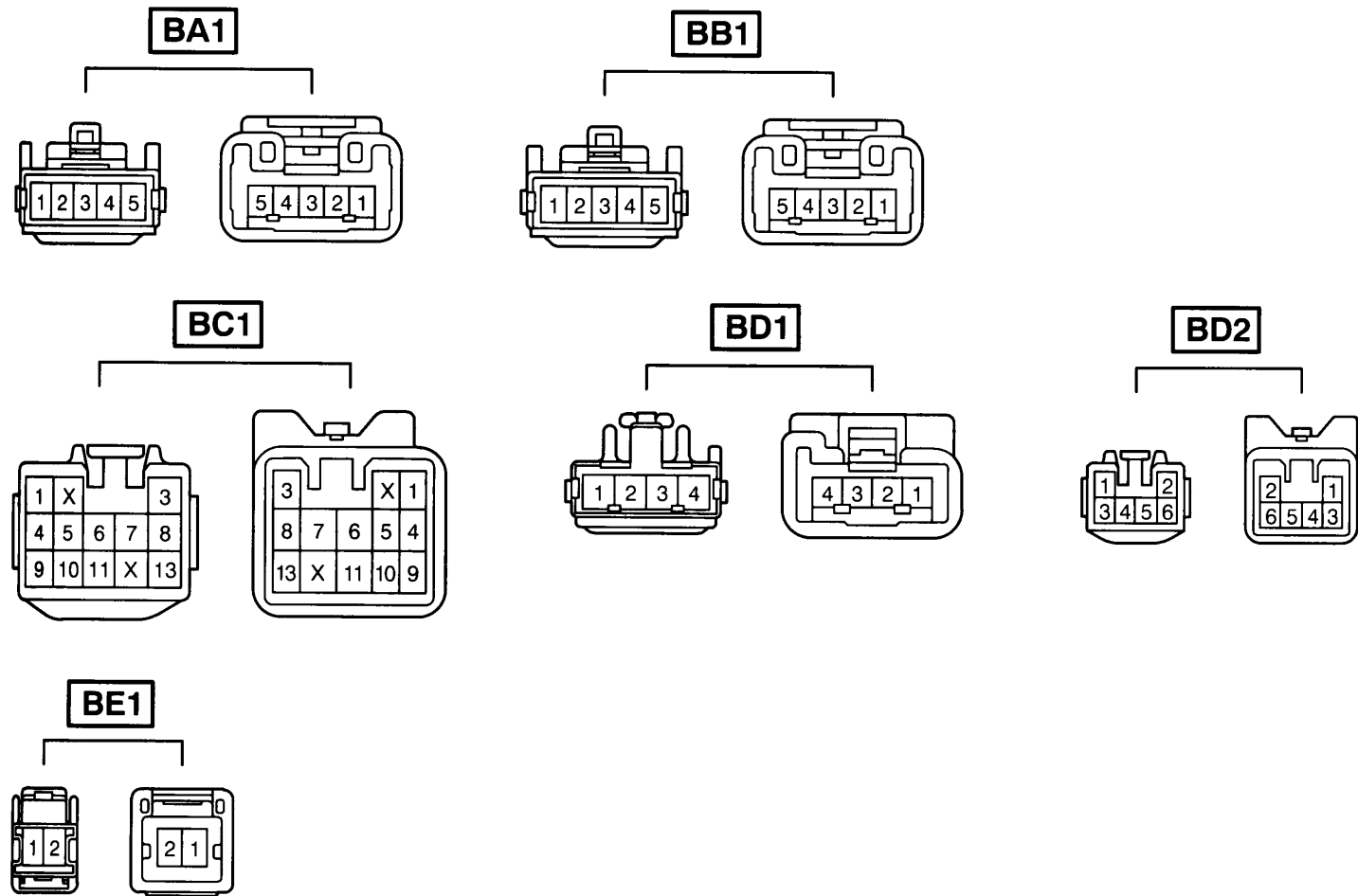
[LHD : W/G]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
BC1	Back Door No. 1 Wire and Floor Wire (Right Quarter Pillar)
BD1	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Right)
BD2	
BE1	Back Door No. 3 Wire and Back Door No. 1 Wire (Back Door Upper Right)

H POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.

The next page and following pages show the parts to which each electrical source outputs current.

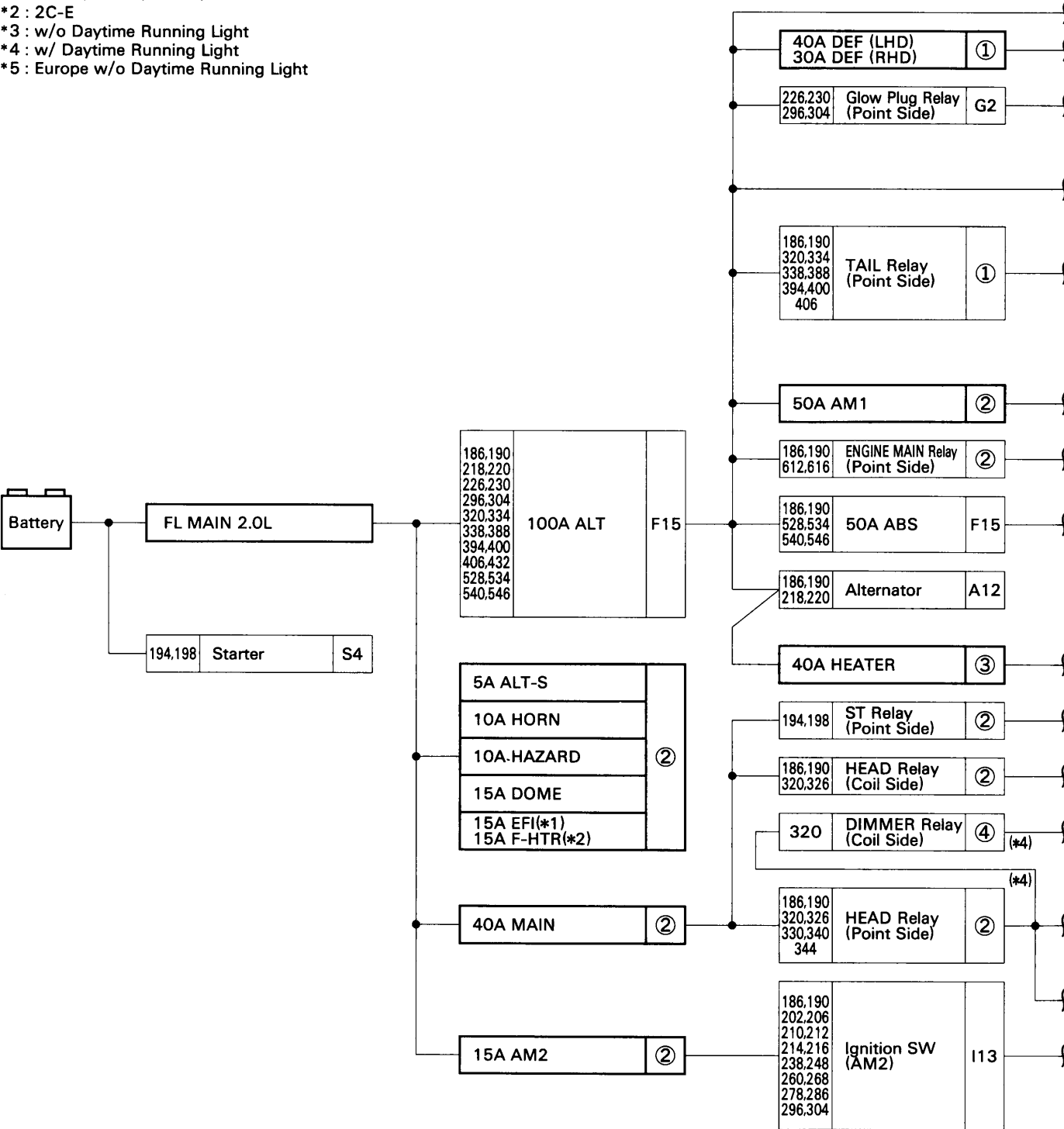
Le schéma ci-après indique l'acheminement à travers lequel s'écoule le courant de la batterie à chaque source électrique (lames fusibles, disjoncteurs, fusibles, etc.) et autres pièces.

La page suivante ainsi que celles qui suivent indiquent les pièces auxquelles chaque source électrique produit du courant.

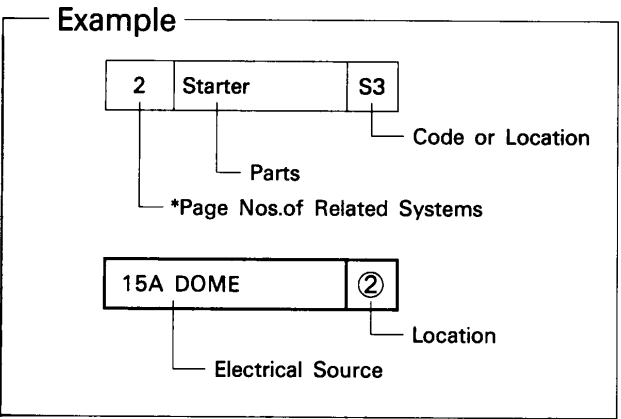
En el siguiente cuadro aparece la ruta que recorre la corriente desde la batería hasta cada fuente de alimentación (eslabón fusible, fusible, ruptor, etc.) y otras piezas.

Las siguientes páginas indican las partes que reciben alimentación.

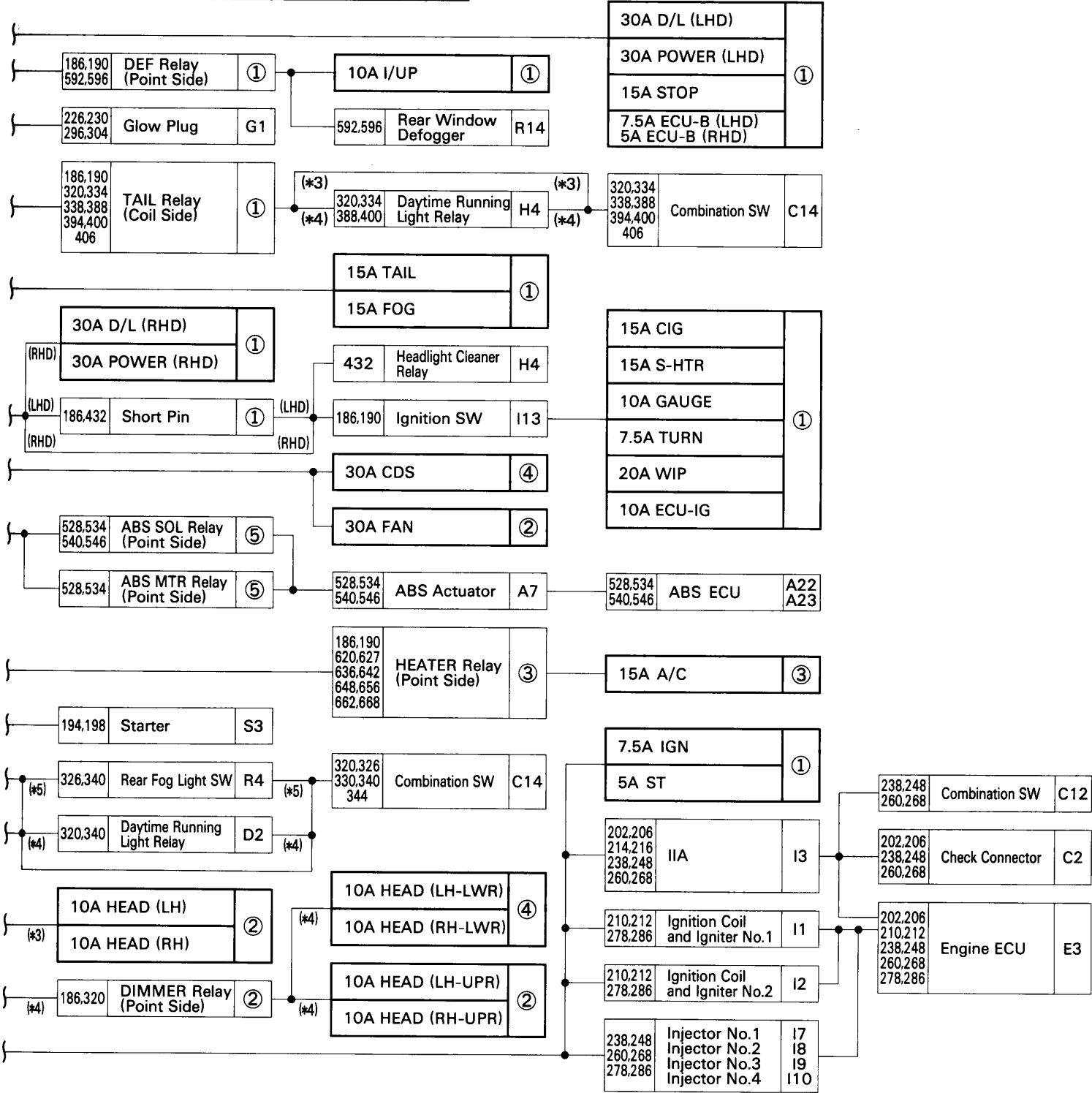
- *1 : 7A-FE, 5A-FE, 4A-FE, 4E-FE
- *2 : 2C-E
- *3 : w/o Daytime Running Light
- *4 : w/ Daytime Running Light
- *5 : Europe w/o Daytime Running Light



[LOCATION] ①:Instrument Panel J/B (See page 56 (LHD) or 58 (RHD))
③:J/B No.4 (See page 68) ④:Engine Room R/B (See page 55)



- * These are the page numbers of the first page on which the related system is shown. The part indicated is located somewhere in the system, not necessarily on the page indicated here.
- * Numéros de page de la première page sur laquelle le système afférent est représenté. L'organe indiqué se trouve quelque part à l'intérieur du système, mais non pas nécessairement dans la page qui est mentionnée ici.
- * Estos son los números de página de la primera página en la que se muestra el sistema relacionado. La parte indicada está situada en algun sitio del sistema, y no necesariamente en la página aquí indicada.



②:Engine Room J/B (See page 64)
⑤:ABS R/B (See page 54)

H POWER SOURCE (Current Flow Chart)

*1 : 7A-FE, 5A-FE, 4A-FE, 4E-FE *3 : w/o Daytime Running Light
*2 : 2C-E *4 : w/ Daytime Running Light

4

[illegible]

* These are the page numbers of the first page on which the related system is shown.
The part indicated is located somewhere in the system, not necessarily on the page indicated here.

[LOCATION] ①:Instrument Panel J/B (See page 56 (LHD) or 58 (RHD))
③:J/B No.4 (See page 68)
⑤:ABS R/B (See page 54)

[illegible]

②:Engine Room J/B (See page 64)
④:Engine Room R/B (See page 55)
⑥:Driver Side R/B (See page 54)

H POWER SOURCE (Current Flow Chart)

*1 : 7A-FE, 5A-FE, 4A-FE, 4E-FE *3 : w/o Daytime Running Light
*2 : 2C-E *4 : w/ Daytime Running Light

4

[illegible]

* These are the page numbers of the first page on which the related system is shown.
The part indicated is located somewhere in the system, not necessarily on the page indicated here.

[LOCATION] ①:Instrument Panel J/B (See page 56 (LHD) or 58 (RHD))
③:J/B No.4 (See page 68)
⑤:ABS R/B (See page 54)

[illegible]

②:Engine Room J/B (See page 64)
④:Engine Room R/B (See page 55)
⑥:Driver Side R/B (See page 54)

*1 : 7A-FE, 5A-FE, 4A-FE, 4E-FE *3 : w/o Daytime Running Light
*2 : 2C-E *4 : w/ Daytime Running Light

[illegible]

②:Engine Room J/B (See page 64)
④:Engine Room R/B (See page 55)
⑥:Driver Side R/B (See page 54)

4

* These are the page numbers of the first page on which the related system is shown.
The part indicated is located somewhere in the system, not necessarily on the page indicated here.

⑤:ABS R/B (See page 54)

⑥:Driver Side R/B (See page 54)

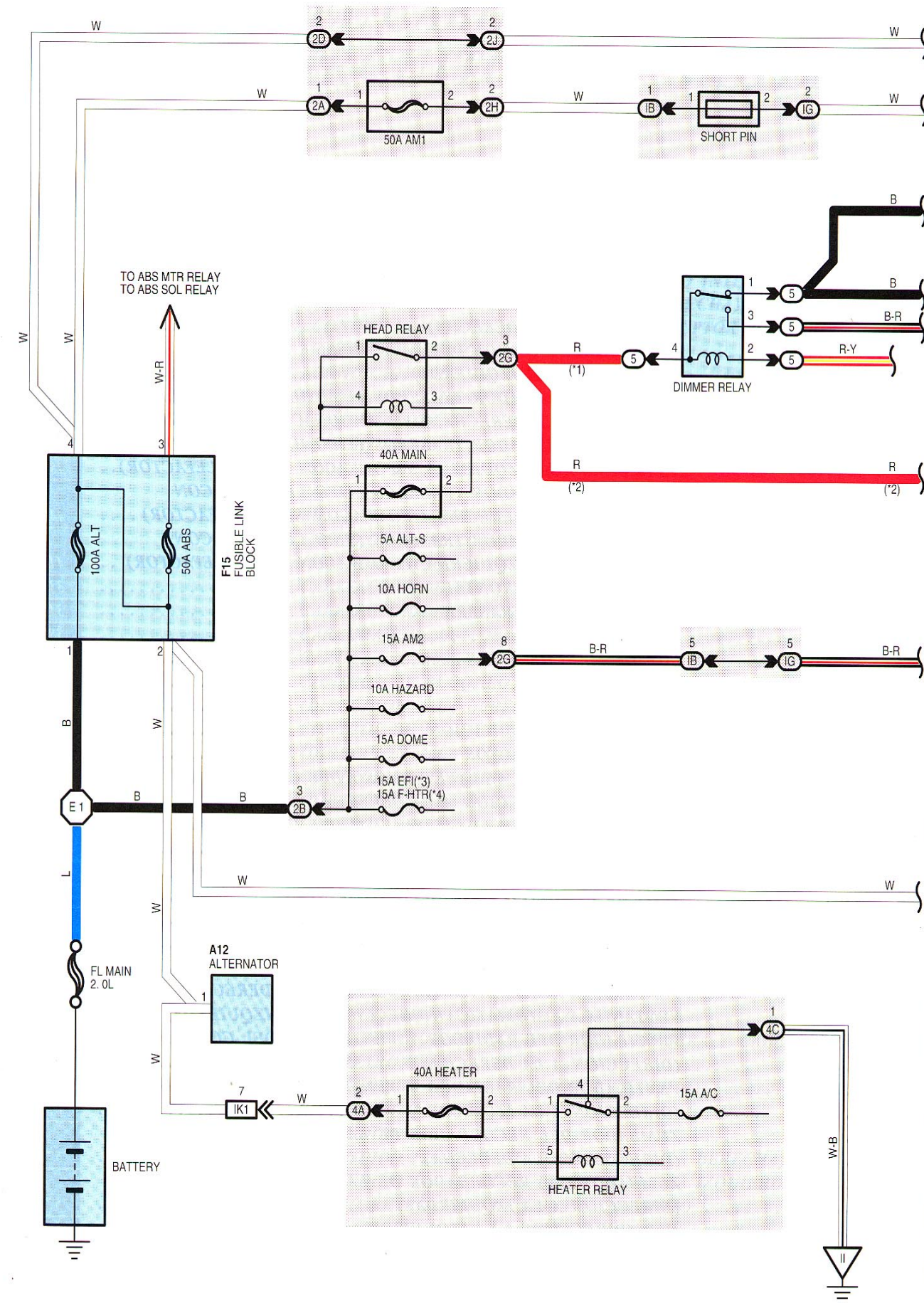
Location	*Page Nos. of Related Systems		Parts										Code or Location										CB or Fuse										
	238,248 260,268 278,286		186 616		234 296 304		234 296 304		612 616		612 616		464 466		194 198		296,304,620 627,636,642 648,656,662 668		620,627 636,642 648,656 662,668		612 616		612 616		636 642 648 656		612 616		620,627 636,642 648,656 662,668		528 534 540 546		
	EFI Relay (Point Side)		ENGINE MAIN Relay (Coil Side)		F-HTR Relay (Coil Side)		F-HTR Relay (Point Side)		FAN NO.1 Relay (Coil Side)		FAN NO.1 Relay (Point Side)		HORN Relay		ST Relay (Coil Side)		HEATER Relay (Coil Side)		HEATER Relay (Point Side)		A.C FAN NO.2 Relay (Coil Side)		A.C FAN NO.2 Relay (Point Side)		A.C FAN NO.3 Relay (Coil Side)		A.C FAN NO.3 Relay (Point Side)		A.C MG Relay		ABS SOL Relay (Point Side)		

COROLLA
ELECTRICAL WIRING DIAGRAM
SYSTEM CIRCUITS

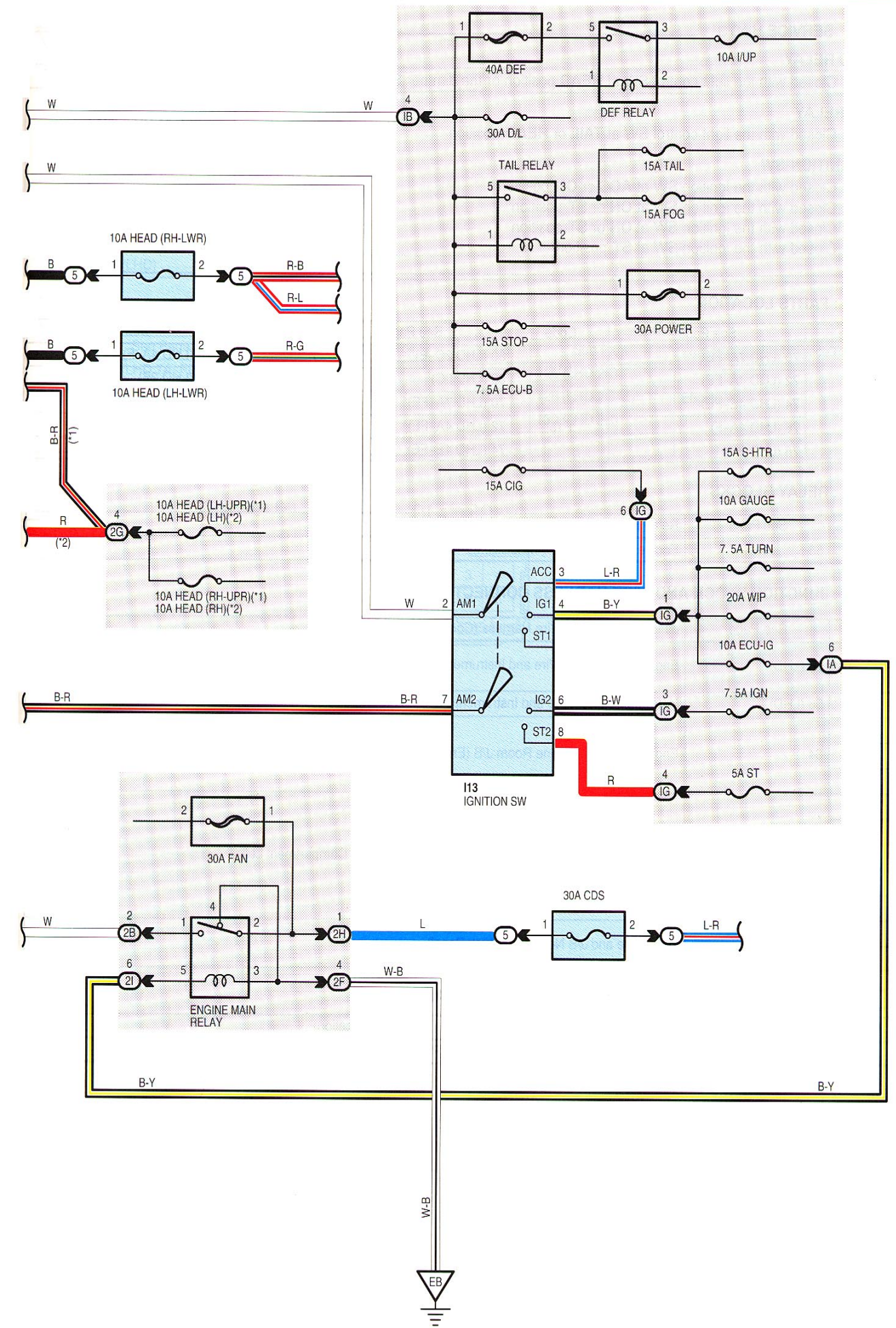
	Page
ABS (LHD EUROPE).....	520
ABS (LHD EXCEPT EUROPE).....	540
ABS (RHD EUROPE).....	530
ABS (RHD EXCEPT EUROPE).....	540
AIR CONDITIONER (EXCEPT RHD MANUAL PUSH SW TYPE).....	630
AIR CONDITIONER (RHD MANUAL PUSH SW TYPE).....	620
AUTOMATIC AIR CONDITIONER (RHD).....	620
BACK DOOR LOCK CONTROL.....	510
BACK-UP LIGHT.....	420
CARBURETOR (4A-F, 2E).....	220
CHARGING.....	210
CIGARETTE LIGHTER AND CLOCK.....	460
COMBINATION METER.....	600
DOOR LOCK CONTROL (LHD).....	480
DOOR LOCK CONTROL (RHD).....	490
ENGINE CONTROL (2C-E).....	290
ENGINE CONTROL (4A-FE).....	250
ENGINE CONTROL (4E-FE).....	270
ENGINE CONTROL (LHD 7A-FE).....	230
ENGINE CONTROL (RHD 5A-FE).....	240
ENGINE IMMOBILISER SYSTEM.....	310
FRONT FOG LIGHT.....	330
FRONT WIPER AND WASHER (LHD).....	430
FRONT WIPER AND WASHER (RHD).....	440
FUEL HEATER (LHD 2C-E).....	230
GLOW PLUG (2C).....	220
HEADLIGHT BEAM LEVEL CONTROL.....	420
HEADLIGHT CLEANER (LHD).....	430
HEADLIGHT (LHD w/ DAYTIME RUNNING LIGHT).....	320
HEADLIGHT (LHD w/o DAYTIME RUNNING LIGHT).....	320
HEADLIGHT (RHD).....	330
HORN.....	460
IGNITION (4A-F, 2E).....	210
IGNITION (4E-FE).....	210
IGNITION (LHD 7A-FE, 4A-FE).....	200
IGNITION (RHD 5A-FE, 4A-FE).....	200
ILLUMINATION.....	400
INTERIOR LIGHT.....	350
KEY REMINDER AND SEAT BELT WARNING (LHD).....	570
KEY REMINDER AND SEAT BELT WARNING (RHD).....	580
LIGHT REMINDER BUZZER (LHD).....	570
LIGHT REMINDER BUZZER (RHD).....	570

	Page
MOON ROOF (LHD).....	518
MOON ROOF (RHD).....	522
OVERDRIVE AND A/T INDICATOR.....	564
POWER SOURCE.....	186
POWER WINDOW (LHD).....	474
POWER WINDOW (RHD).....	480
PTC HEATER (LHD 2E).....	236
RADIATOR FAN AND CONDENSER FAN (LHD).....	612
RADIATOR FAN AND CONDENSER FAN (RHD).....	616
RADIO AND PLAYER.....	588
REAR FOG LIGHT.....	340
REAR WINDOW DEFOGGER AND MIRROR HEATER.....	592
REAR WIPER AND WASHER (LHD H/B, W/G w/ HEATER).....	452
REAR WIPER AND WASHER (LHD L/B, W/G w/o HEATER).....	444
REAR WIPER AND WASHER (RHD H/B, W/G w/ HEATER).....	456
REAR WIPER AND WASHER (RHD L/B, W/G w/o HEATER).....	448
REMOTE CONTROL MIRROR.....	468
SEAT HEATER (LHD).....	584
SHIFT LOCK (RHD).....	586
SRS.....	551
STARTING.....	194
STOP LIGHT.....	412
TAILLIGHT.....	388
TURN SIGNAL AND HAZARD WARNING LIGHT.....	348
WIRELESS DOOR LOCK CONTROL (LHD).....	498
WIRELESS DOOR LOCK CONTROL (RHD).....	506
4WD (LHD).....	526

POWER SOURCE(LHD)



- * 1:W/ DAYTIME RUNNING LIGHT
- * 2:W/O DAYTIME RUNNING LIGHT
- * 3:7A-FE, 4A-FE, 4E-FE
- * 4:2C-E



SERVICE HINTS

HEAD RELAY

1-2 : Closed with the light control SW at **HEAD** position or the dimmer SW at **FLASH** position

TAIL RELAY

5-3 : Closed with the light control SW at **TAIL** or **HEAD** position

I13 IGNITION SW

2-3 : Closed with the ignition SW at **ACC** or **ON** position

2-4 : Closed with the ignition SW at **ON** or **ST** position

7-6 : Closed with the ignition SW at **ON** or **ST** position

7-8 : Closed with the ignition SW at **ST** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A12	70 (LHD 7A-FE)	A12	80 (LHD 2C-E)	F15	76 (LHD 4A-F)
	72 (LHD 4A-FE)		82 (LHD 2C)		78 (LHD 2E)
	74 (LHD 4E-FE)	F15	70 (LHD 7A-FE)		80 (LHD 2C-E)
	76 (LHD 4A-F)		72 (LHD 4A-FE)		82 (LHD 2C)
	78 (LHD 2E)		74 (LHD 4E-FE)		84 (LHD)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
IG	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2B		
2D		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2H		
2I		
2J		
4A	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)
4C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

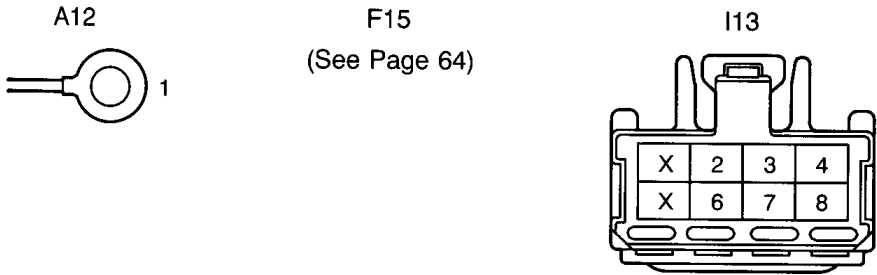
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
II	132 (LHD)	Right Kick Panel

○ : SPLICE POINTS

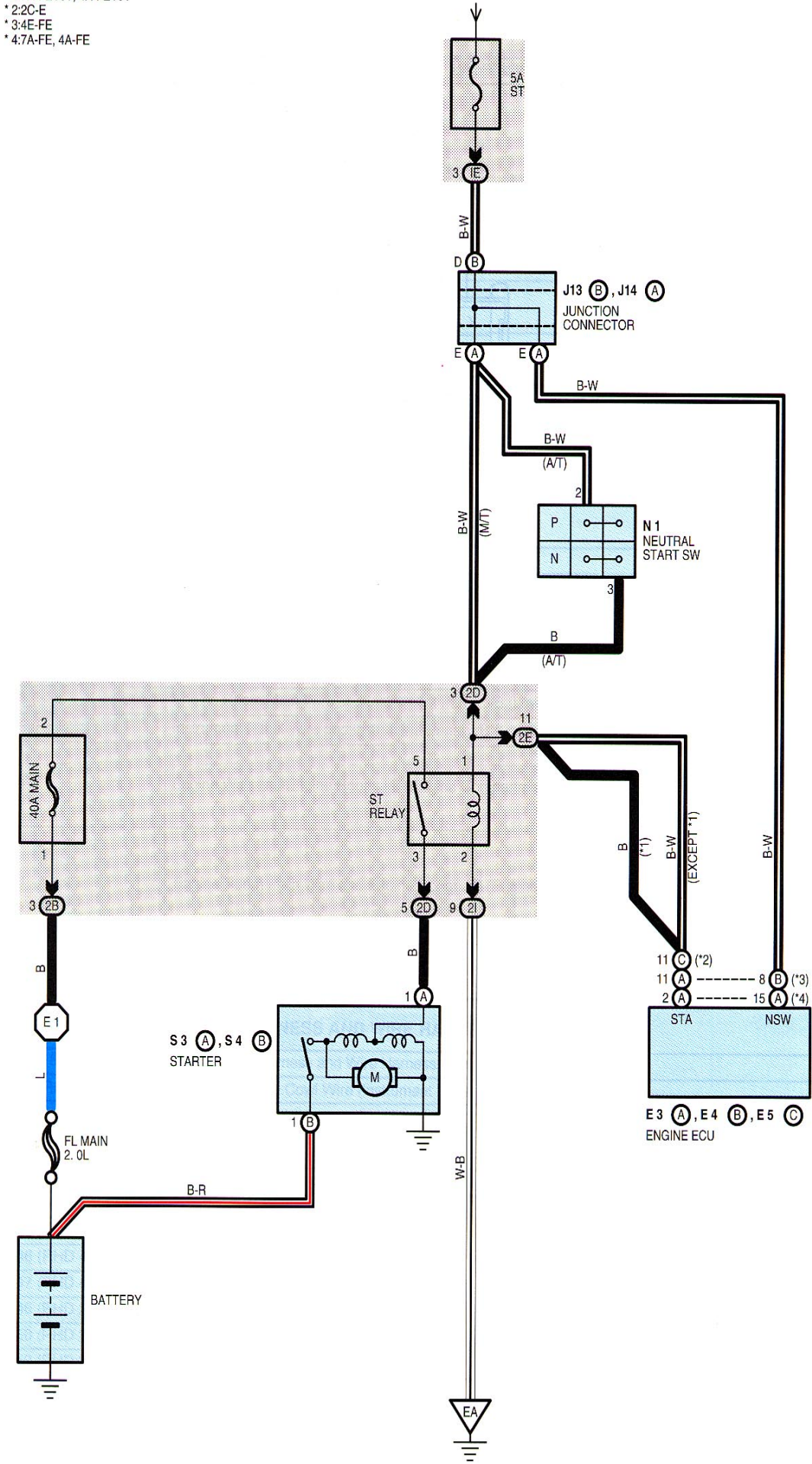
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				



STARTING(LHD)

* 1:7A-FE A/T, 4A-FE A/T
* 2:2C-E
* 3:4E-FE
* 4:7A-FE, 4A-FE

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

S 3 (A), S 4 (B) STARTER

Points closed with the neutral start SW on and the ignition SW at ST position (A/T)
Points closed with the ignition SW at ST position (M/T)

N 1 NEUTRAL START SW

2-3: Closed with the A/T shift lever in P or N position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
E 3	A	84 (LHD)	N 1		76 (LHD 4A-F)	S 3	A	82 (LHD 2C)
E 4	B	84 (LHD)			78 (LHD 2E)			70 (LHD 7A-FE)
E 5	C	84 (LHD)	S 3	A	70 (LHD 7A-FE)	S 4	B	72 (LHD 4A-FE)
J13	B	86 (LHD)			72 (LHD 4A-FE)			74 (LHD 4E-FE)
J14	A	86 (LHD)			74 (LHD 4E-FE)			76 (LHD 4A-F)
N 1		70 (LHD 7A-FE)			76 (LHD 4A-F)			78 (LHD 2E)
		72 (LHD 4A-FE)			78 (LHD 2E)			80 (LHD 2C-E)
		74 (LHD 4E-FE)			80 (LHD 2C-E)			82 (LHD 2C)

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2D		
2E		
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

▽ : GROUND POINTS

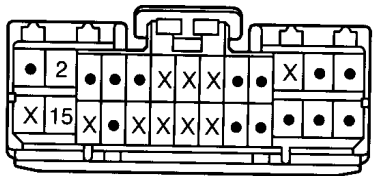
Code	See Page	Ground Points Location
EA	122 (LHD 7A-FE)	Front Side of Right Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	

○ : SPLICE POINTS

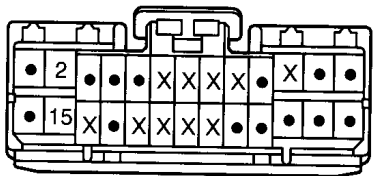
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				

STARTING(LHD)

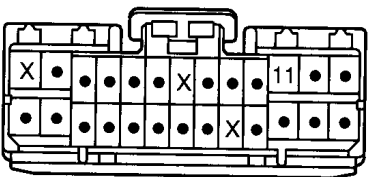
(7A-FE) E 3 (A) DARK GRAY



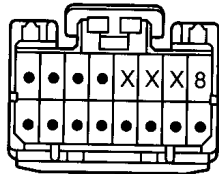
(4A-FE) E 3 (A) DARK GRAY



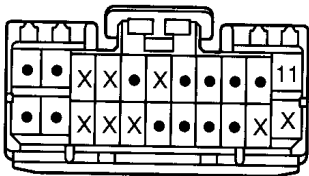
(4E-FE) E 3 (A) DARK GRAY



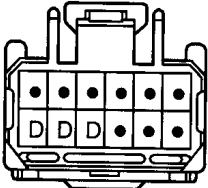
E 4 (B) DARK GRAY



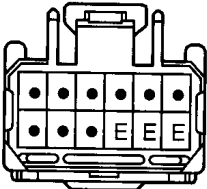
E 5 (C) DARK GRAY



J13 (B) BLACK



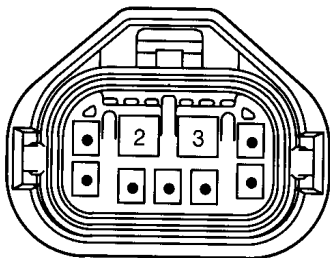
J14 (A) BLACK



(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

N 1 GRAY



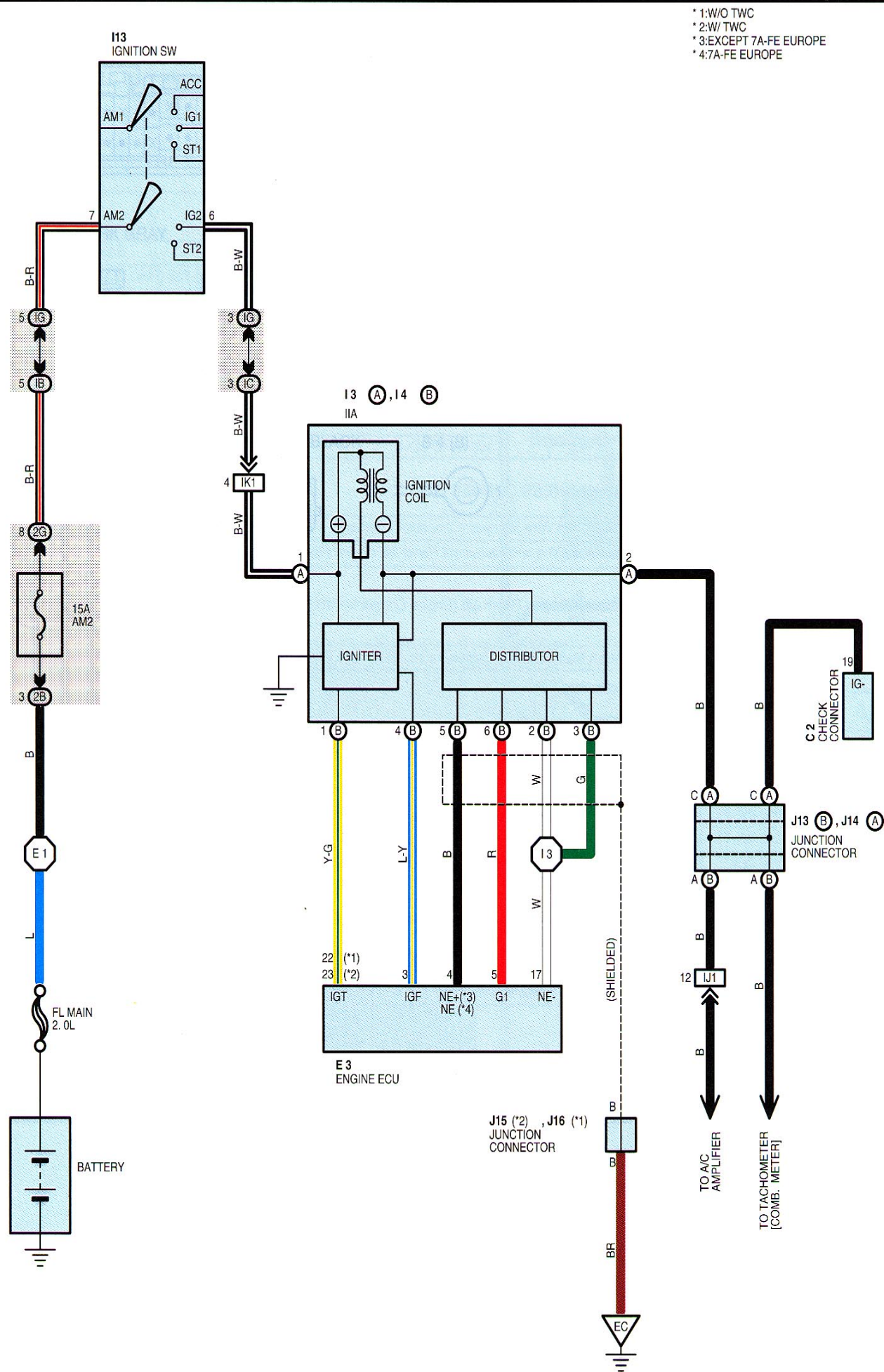
S 3 (A) BLACK



S 4 (B)



IGNITION(LHD 7A-FE, 4A-FE)



SERVICE HINTS

I13 IGNITION SW

7-6:Closed with the ignition SW at ON or ST position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C 2	70 (LHD 7A-FE)	I 3	A	72 (LHD 4A-FE)	J13 B
	72 (LHD 4A-FE)	I 4	B	70 (LHD 7A-FE)	J14 A
E 3	84 (LHD)			72 (LHD 4A-FE)	J15
I 3	A	I13		84 (LHD)	J16

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IG	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

▽ : GROUND POINTS

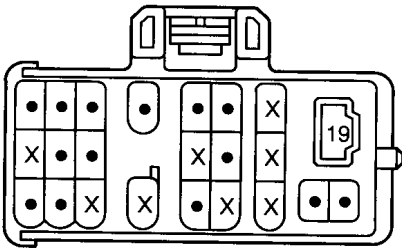
Code	See Page	Ground Points Location
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	

○ : SPLICE POINTS

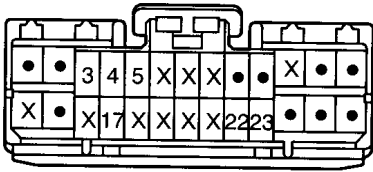
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	I 3	134 (LHD)	Engine Wire
	123 (LHD 4A-FE)				

IGNITION(LHD 7A-FE, 4A-FE)

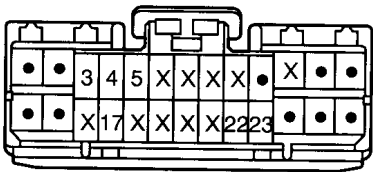
C 2 BLACK



(7A-FE) E 3 DARK GRAY



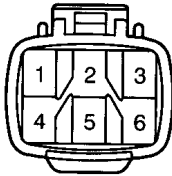
(4A-FE) E 3 DARK GRAY



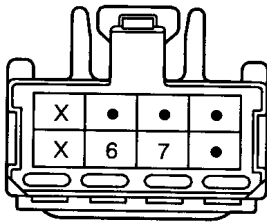
I 3 (A) DARK GRAY



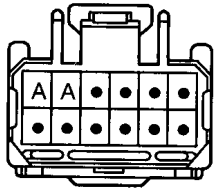
I 4 (B) DARK GRAY



I13

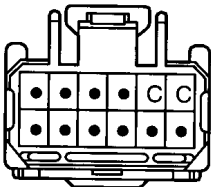


J13 (B) BLACK



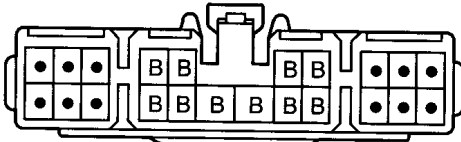
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



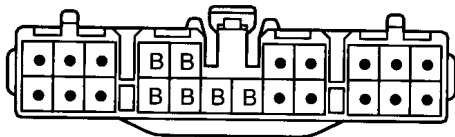
(Hint:See Page 7, 23, 39)

J15

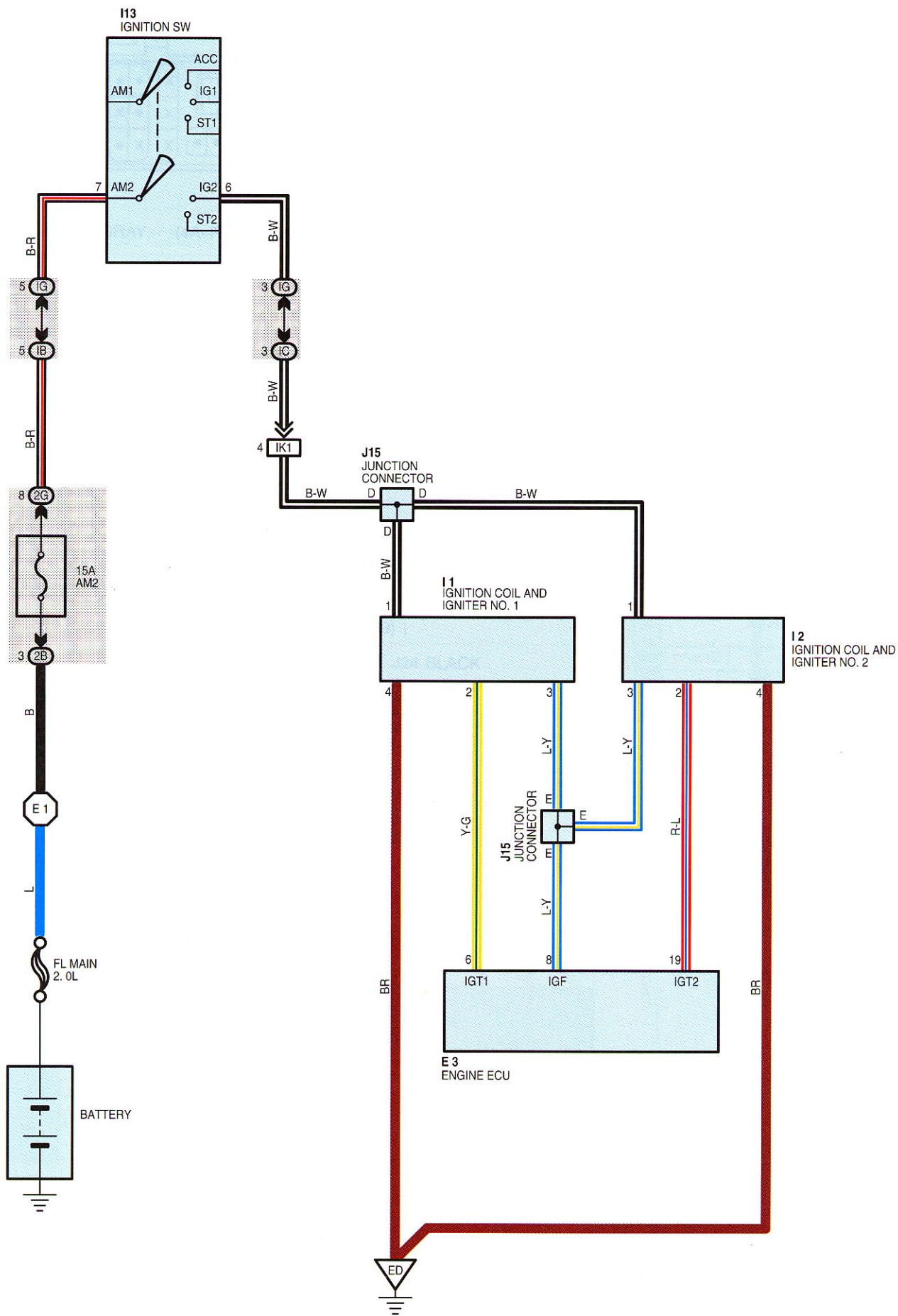


(Hint:See Page 7, 23, 39)

J16



(Hint:See Page 7, 23, 39)



SERVICE HINTS

I13 IGNITION SW

7-6: Closed with the ignition SW at ON or ST position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
E 3	84 (LHD)	I 2	74 (LHD 4E-FE)	J15	86 (LHD)
I 1	74 (LHD 4E-FE)	I13	84 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IG	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

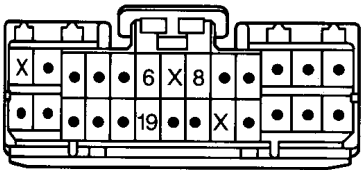
▽ : GROUND POINTS

Code	See Page	Ground Points Location
ED	124 (LHD 4E-FE)	Cylinder Head

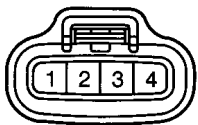
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	124 (LHD 4E-FE)	Engine Wire			

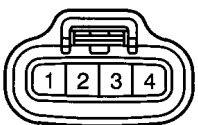
E 3 DARK GRAY



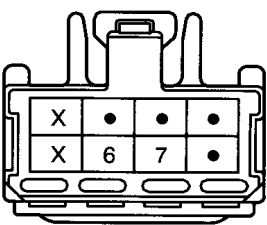
I 1 GRAY



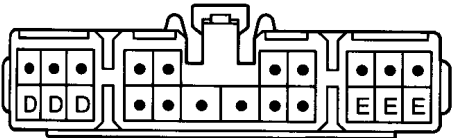
I 2 BLACK



I13

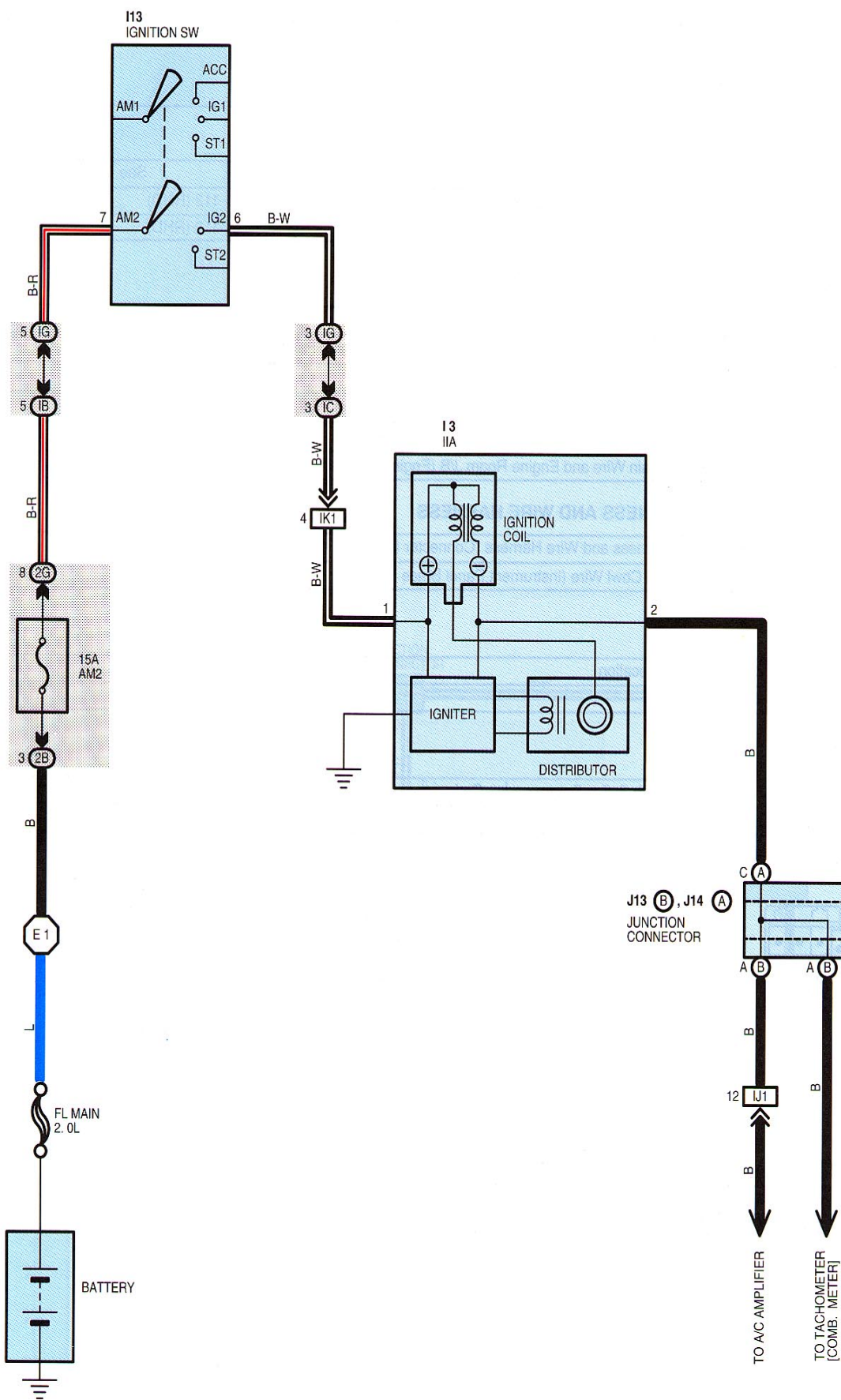


J15



(Hint: See Page 7, 23, 39)

IGNITION(LHD 4A-F, 2E)



SERVICE HINTS

I13 IGNITION SW

7-6: Closed with the ignition SW at ON or ST position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
I 3	76 (LHD 4A-F) 78 (LHD 2E)	I13	84 (LHD)	J14 A	86 (LHD)
		J13 B	86 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

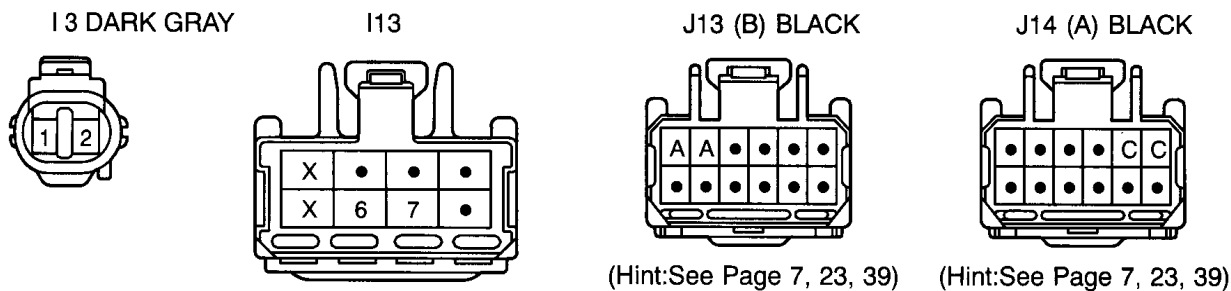
Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IG	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

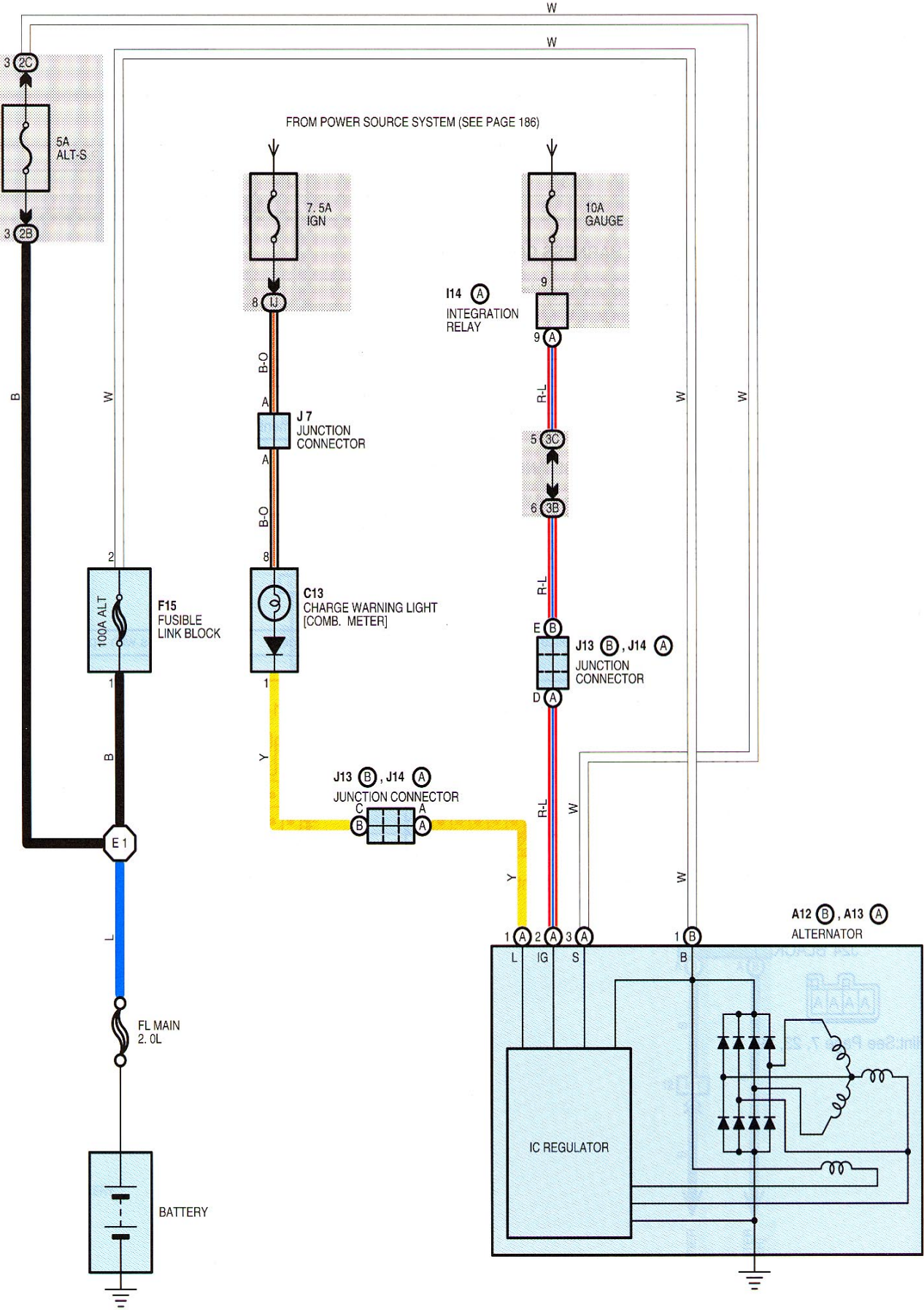
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	125 (LHD 4A-F)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire





SERVICE HINTS

A13 (A) ALTERNATOR

- (A) 3-GROUND: 13.9-15.1 volts with the engine running at 2000 rpm and 25°C (77°F)
13.5-14.3 volts with the engine running at 5000 rpm and 115°C (239°F)
- (A) 1-GROUND: 0-4 volts with the ignition SW at ON position and the engine not running

○ : PARTS LOCATION

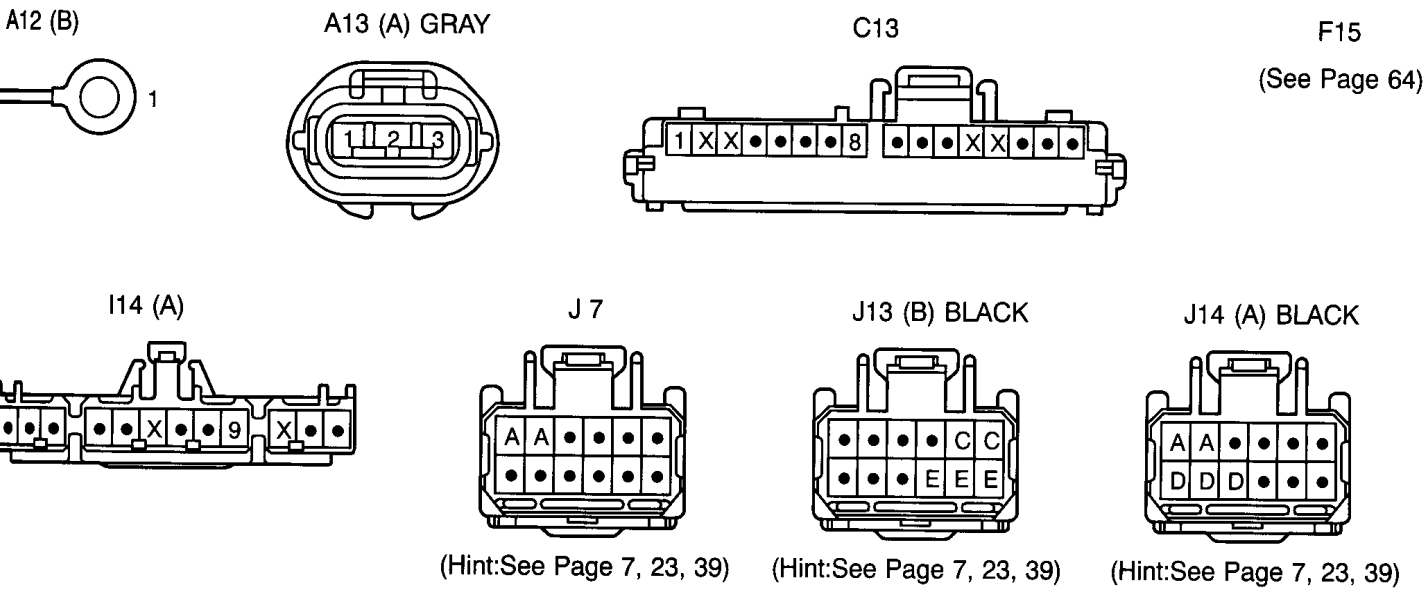
Code	See Page	Code	See Page	Code	See Page
A12	B	70 (LHD 7A-FE)	A13	A	74 (LHD 4E-FE)
		72 (LHD 4A-FE)			76 (LHD 4A-F)
		74 (LHD 4E-FE)			78 (LHD 2E)
		76 (LHD 4A-F)			80 (LHD 2C-E)
		78 (LHD 2E)			82 (LHD 2C)
		80 (LHD 2C-E)			84 (LHD)
		82 (LHD 2C)			86 (LHD)
A13	A	70 (LHD 7A-FE)	F15	J13	B
		72 (LHD 4A-FE)			
		74 (LHD 4E-FE)			

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IJ	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

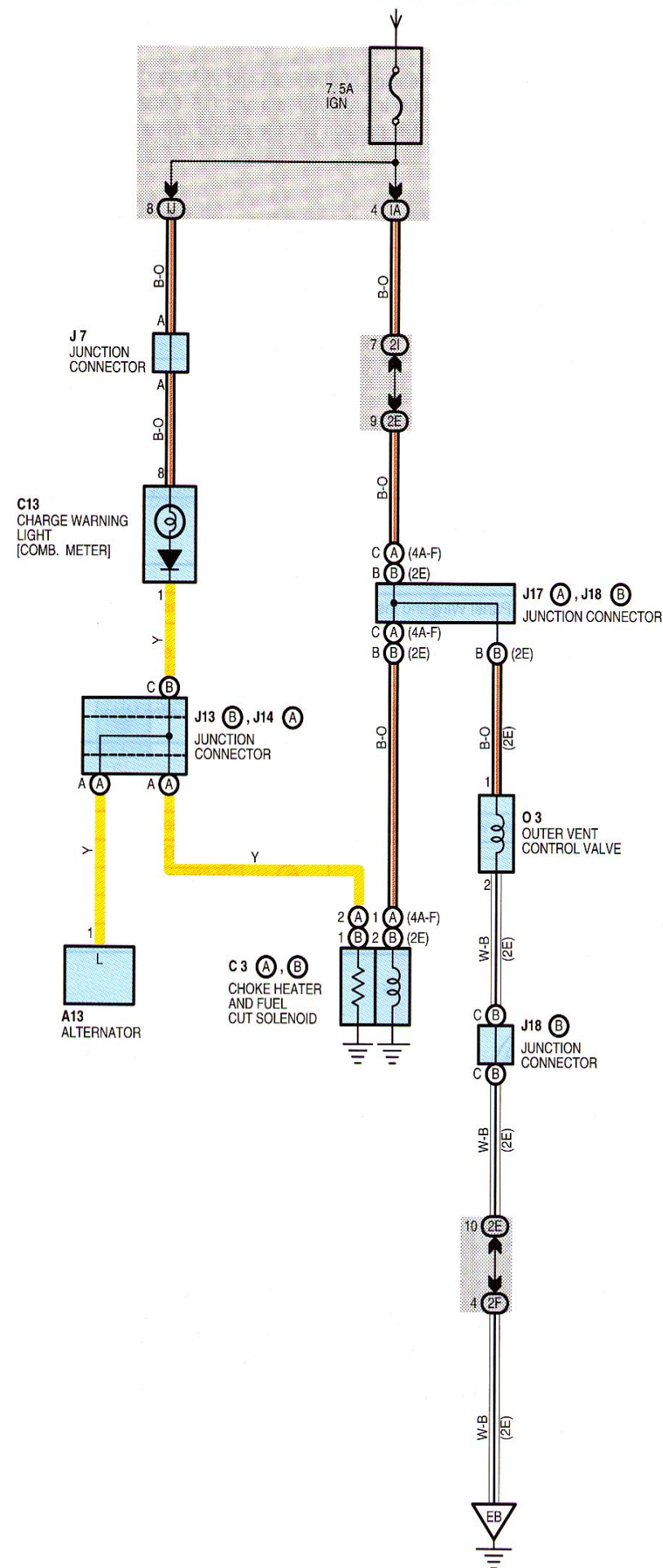
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				



CARBURETOR(LHD 4A-F, 2E)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

C 3 (A), (B) CHOKE HEATER AND FUEL CUT SOLENOID

(A) 1, (B) 2-GROUND: Approx. 12 volts with the ignition SW at ON position

○ : PARTS LOCATION

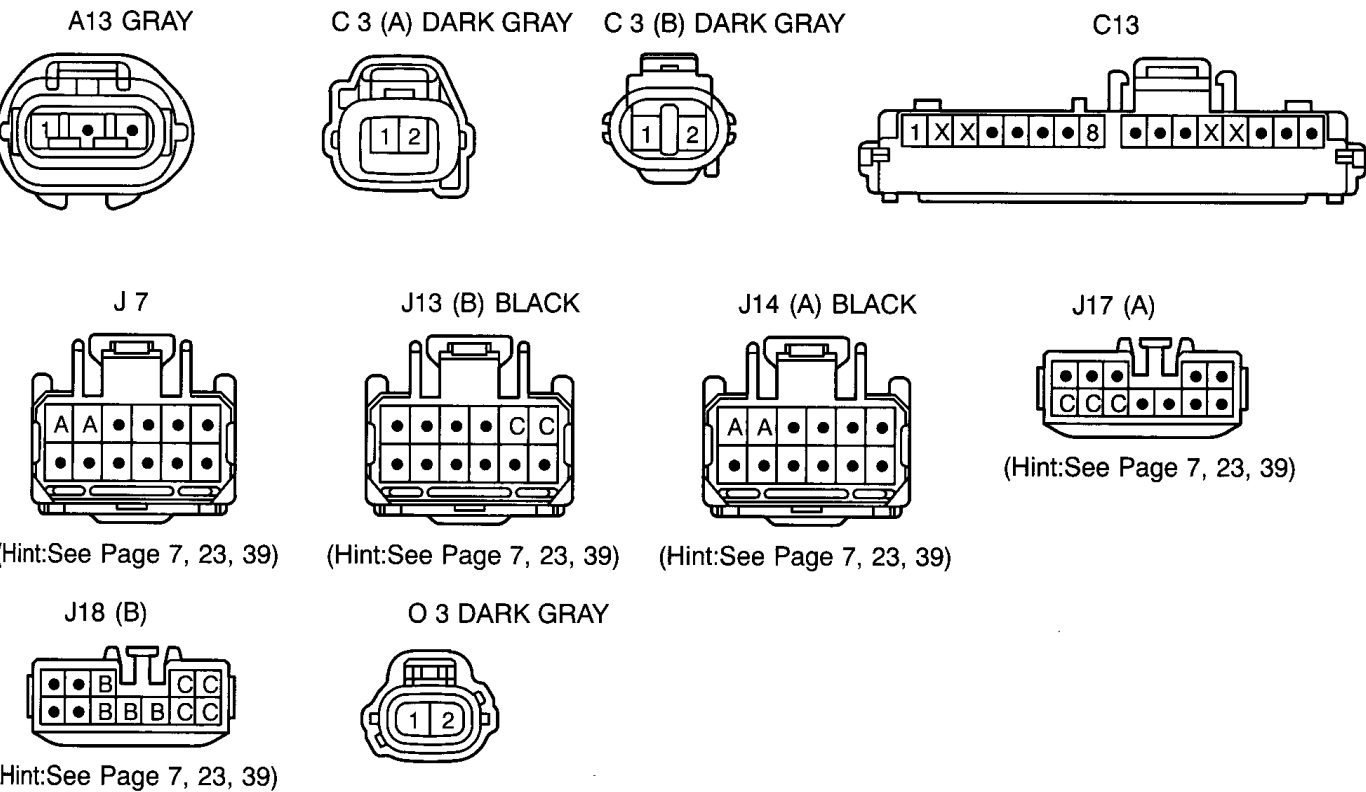
Code	See Page	Code	See Page	Code	See Page
A13	76 (LHD 4A-F)	C13	84 (LHD)	J17	A 86 (LHD)
	78 (LHD 2E)	J 7	86 (LHD)	J18	B 86 (LHD)
C 3	A 76 (LHD 4A-F)	J13	B 86 (LHD)	O 3	78 (LHD 2E)
	B 78 (LHD 2E)	J14	A 86 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

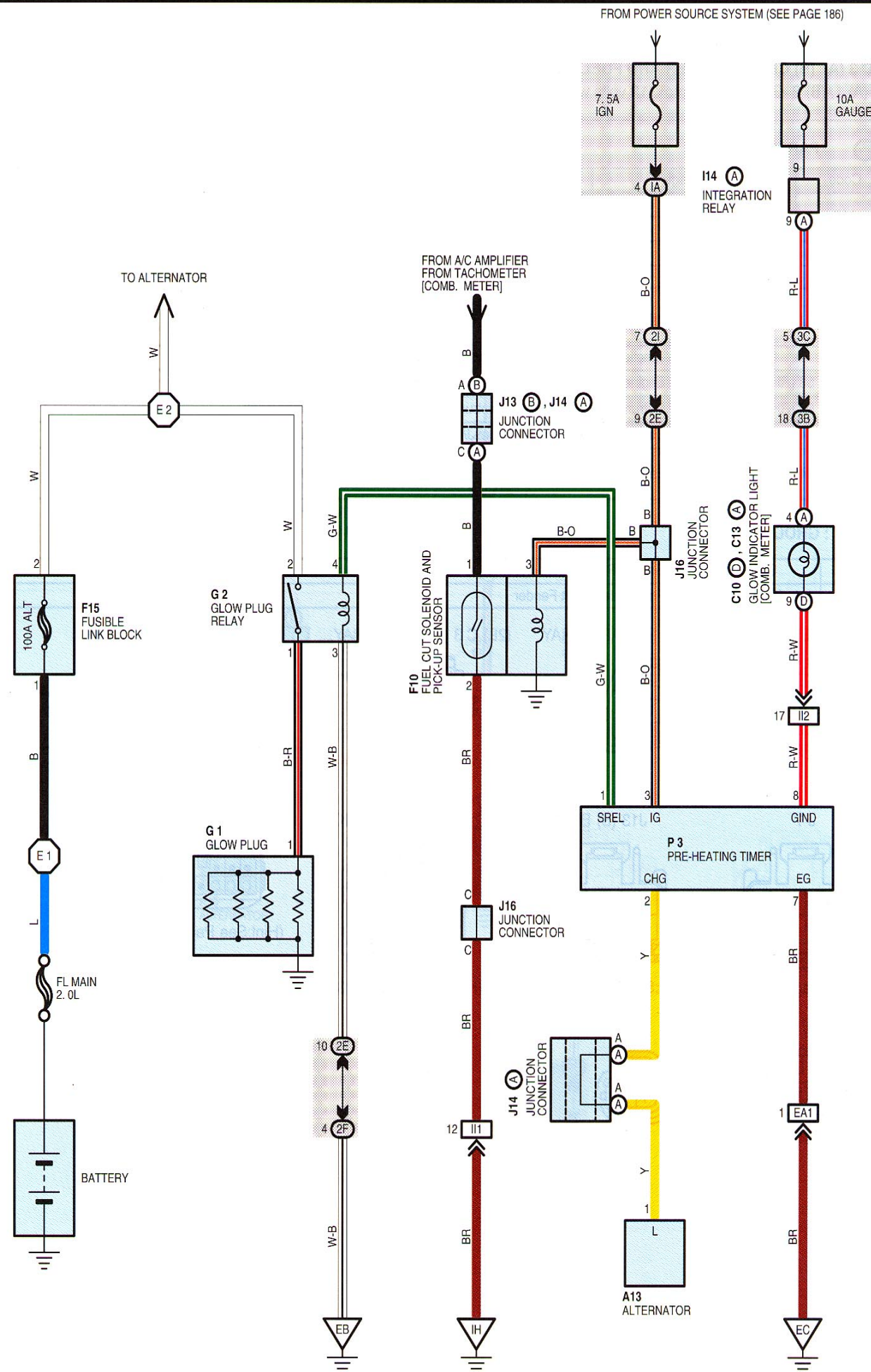
Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	126 (LHD 2E)	Front Side of Left Fender



GLOW PLUG(LHD 2C)



SERVICE HINTS

P 3 PRE-HEATING TIMER

3-GROUND: Approx. **12** volts with the ignition SW at **ON** position
7-GROUND: Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A13		82 (LHD 2C)	F15		82 (LHD 2C)	J13	B	86 (LHD)
C10	D	84 (LHD)	G 1		82 (LHD 2C)	J14	A	86 (LHD)
C13	A	84 (LHD)	G 2		82 (LHD 2C)	J16		86 (LHD)
F10		82 (LHD 2C)	I14	A	84 (LHD)	P 3		86 (LHD)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	130 (LHD 2C)	Engine Wire and Engine No.4 Wire (Near the Starter)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2	134 (LHD)	

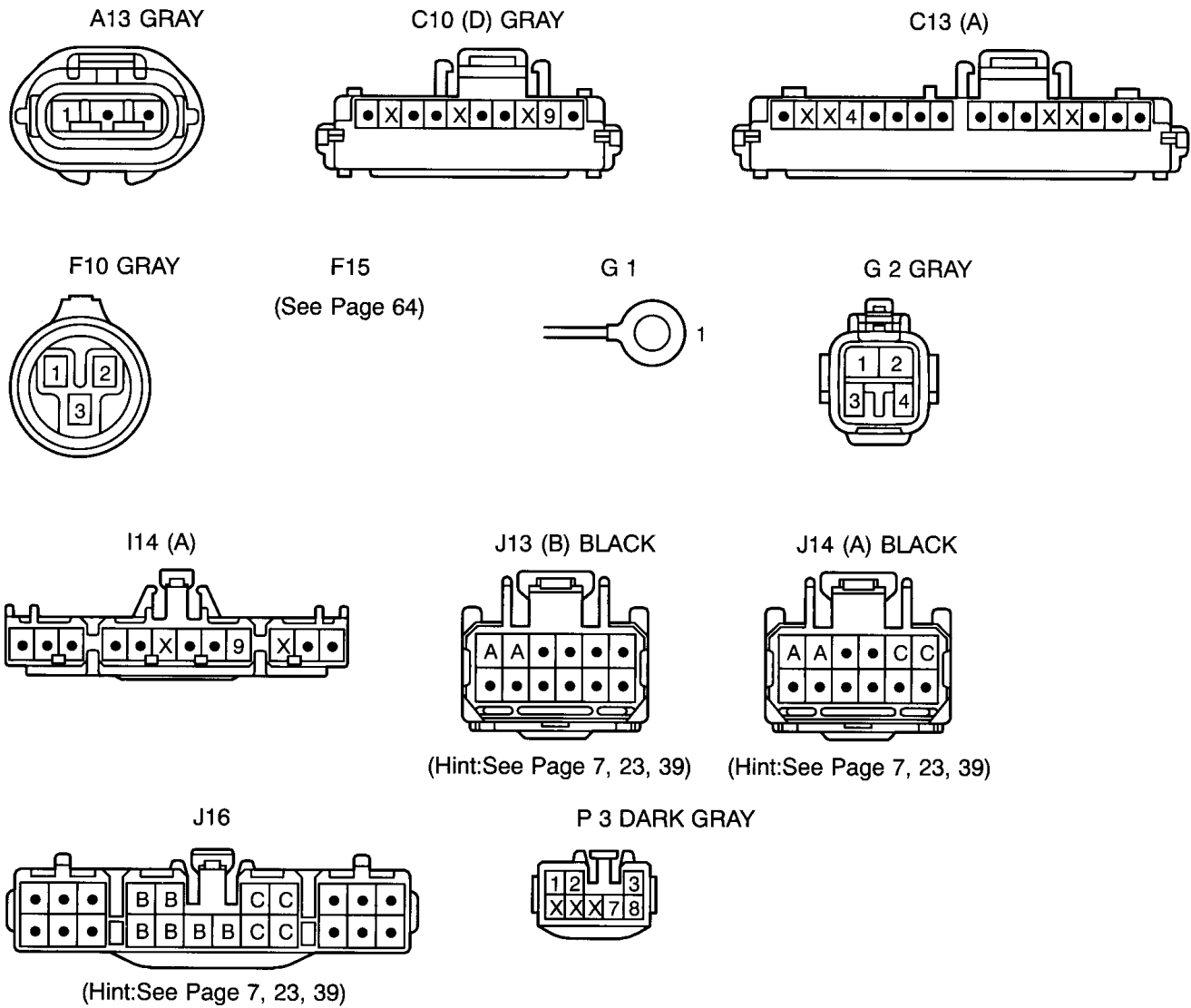
 : GROUND POINTS

Code	See Page	Ground Points Location
EB	130 (LHD 2C)	Front Side of Left Fender
EC	130 (LHD 2C)	Intake Manifold
IH	132 (LHD)	Instrument Panel Brace RH

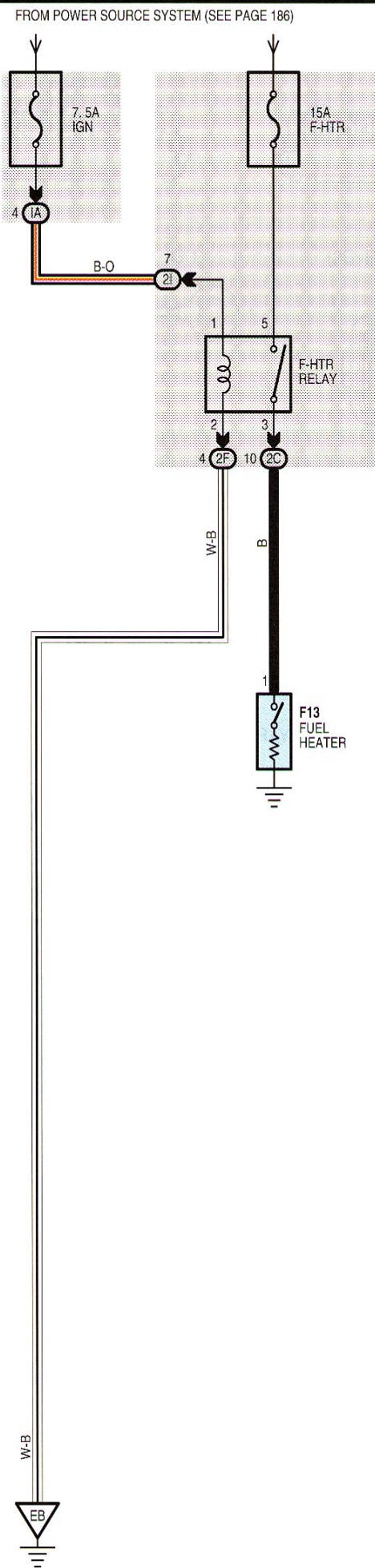
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	130 (LHD 2C)	Engine Wire	E 2	130 (LHD 2C)	Engine Wire

GLOW PLUG(LHD 2C)



FUEL HEATER(LHD 2C-E)



SERVICE HINTS

F-HTR RELAY

- 5-3: Closed with the ignition SW at **ON** position
- 1-GROUND: Approx. **12** volts with the ignition SW at **ON** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
F13	80 (LHD 2C-E)				

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

▽ : GROUND POINTS

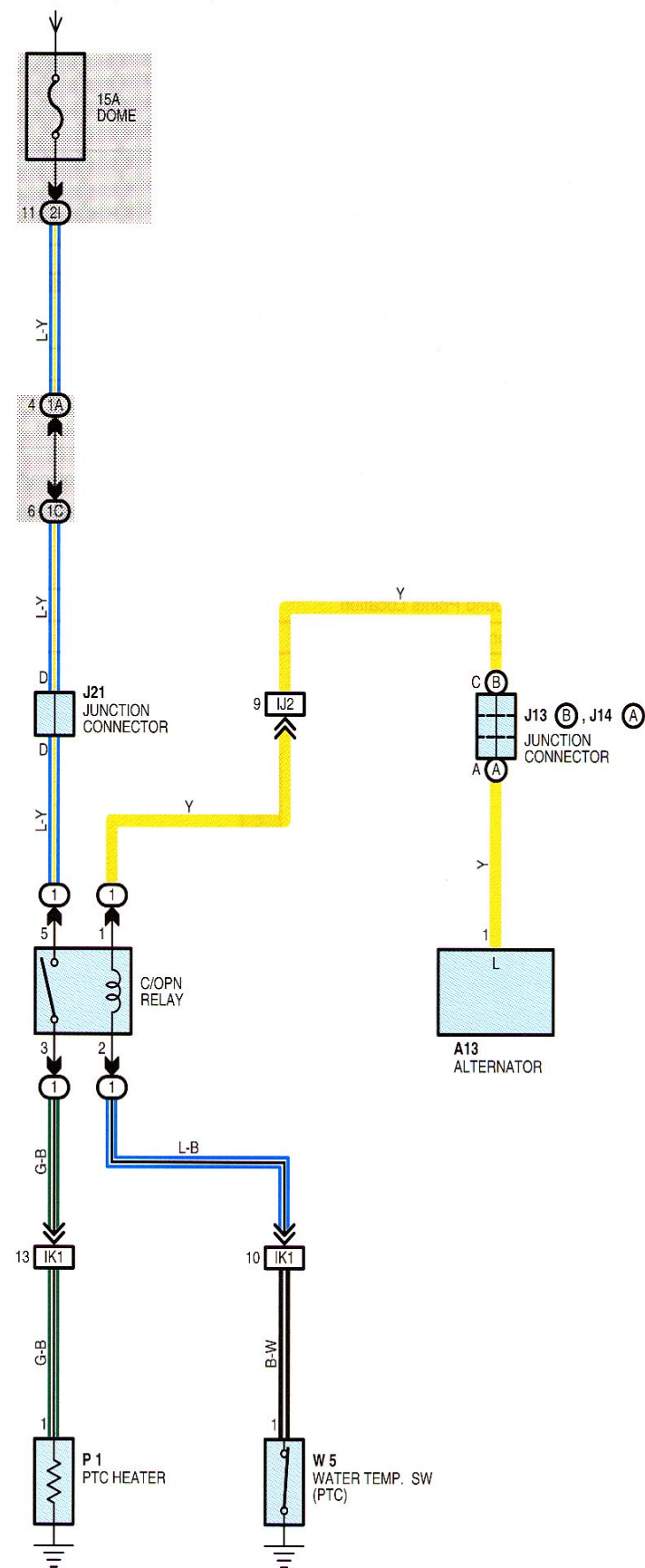
Code	See Page	Ground Points Location
EB	128 (LHD 2C-E)	Front Side of Left Fender

F13 BLACK



PTC HEATER(LHD 2E)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

C/OPN RELAY [DRIVER SIDE R/B]

5-3 : Closed with the engine running and the water temp. below 55°C (131°F)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A13	78 (LHD 2E)	J14 A	86 (LHD)	P 1	78 (LHD 2E)
J13 B	86 (LHD)	J21	86 (LHD)	W 5	78 (LHD 2E)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

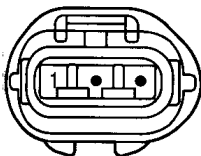
■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

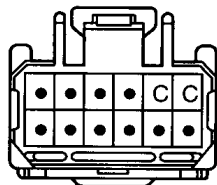
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

A13 GRAY

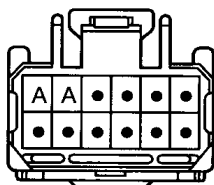


J13 (B) BLACK



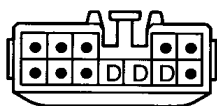
(Hint:See Page 7,23,39)

J14 (A) BLACK



(Hint:See Page 7,23,39)

J21 BLACK

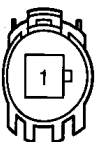


(Hint:See Page 7,23,39)

P 1 BLACK



W 5 BROWN



SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine, etc. An outline of is given here.

1. INPUT SIGNALS

- (1) Water temp. signal system
The EFI water temp. sensor detects the engine coolant temp. and has a built-in thermistor with a resistance which varies according to the water temp. Thus the water temp. is input in the form of a control signal to **TERMINAL THW** of the ECU.
- (2) Intake air temp. signal system
The intake air temp. sensor is detects the intake air temp., which is input as a control signal to **TERMINAL THA** of the ECU.
- (3) Variable resistor signal system
CO emissions can be manually controlled by signals from the variable resistor. These signals are input **TERMINAL VAF** of the ECU.
- (4) RPM signal system
Crankshaft position and engine RPM are detected by the pick-up coil installed inside the distributor. Crankshaft position is input as a control signal to **TERMINAL G1** of the ECU, and RPM is input to **TERMINAL NE+** (w/o TWC), **NE** (w/ TWC).
- (5) Throttle signal system
The throttle position sensor detects the throttle valve opening angle, which is input as a control signal to **TERMINAL VTA** of the ECU, or when the valve is fully closed, to **TERMINAL IDL**.
- (6) Vehicle speed signal system
The vehicle speed is detected by speed sensor installed in the transmission and the signal is input to **TERMINAL SPD** of the ECU via the comb. meter.
- (7) NSW signal system
The neutral start SW detects whether the shift position is in neutral or not (A/T), the engine is cranking or not (M/T), and inputs a control signal to **TERMINAL NSW** of the ECU.
- (8) A/C SW signal system
The operating voltage of the A/C amplifier is detected and input in the form of a control signal to **TERMINAL AC1** of the ECU.
- (9) Battery signal system
Voltage is constantly applied to **TERMINAL BATT** of the ECU. When the ignition SW is turned to on, voltage for ECU operation is applied via the EFI relay to **TERMINAL +B** of the ECU.
- (10) Intake air vacuum signal system
Intake air vacuum is detected by the vacuum sensor and is input as a control signal to **TERMINAL PIM** of the ECU.
- (11) STA signal system
To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to **TERMINAL STA** of the ECU.
- (12) Oxygen sensor signal system
The oxygen density in the exhaust emissions is detected and input as a control signal to **TERMINAL OX** of the ECU.
- (13) Engine knock signal system
Engine knocking is detected by the knock sensor and input as a control signal to **TERMINAL KNK1** of the ECU.
- (14) Electrical load signal system
The signal when systems such as the rear window defogger, taillight. Which cause a high electrical burden are on is input to **TERMINALS ELS** and **ELS2** as a control signal.

2. CONTROL SYSTEM

- * EFI system
The EFI system monitors the engine conditions through the signals each sensor (Input signals (1) to (14)) input to the ECU. Based on this data and the program memorized in the ECU, the most appropriate fuel injection timing is decided and current is output to **TERMINALS #10** and **#20** of the ECU, causing the injectors to operate it (to inject fuel). It is this system which, through the work of the ECU, finely controls fuel injection response to driving conditions.
During engine cranking (Signal input to **TERMINAL STA**) or for approx. 2 seconds after the signal input, ECU operation energizes (Point closed) the fuel pump circuit inside the C/OPN relay, causing the fuel pump to operate.
- * ESA system
The ESA system monitors the engine conditions using the signals (Input signals (1, 4, 5, 6, 7, 8, 10, 11, 13)) input to the ECU from each sensor. Based on this data and the program memorized in the ECU, the most appropriate ignition timing is decided and current is output to **TERMINAL IGT** of the ECU. This output controls the igniter to produce the most appropriate ignition timing for the driving conditions.
- * Idle-up speed control system
The idle-up system uses the air control valve for idle-up to increase the RPM and provide stable idling when the idle speed drops due to the electrical load, etc. The ECU evaluates the signals from each sensor (Input signals (1, 4, 5, 6, 7, 8, 11, 14)), current is output to **TERMINAL ISC** and control the VSV.
- * CO emission control correction system
The injection volume can be controlled by manually operating the variable resistor in the engine compartment. This manual adjustment can be used to control the volume of CO emissions. The ECU also reduces CO emissions by controlling the injection volume in accordance with the engine speed. (Input signals (3, 4, 5, 6, 12))
- * A/C cut control system
When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
Air conditioner operation is also cut off when the engine speed drops below 500 rpm during idling, thus preventing engine stalling.
The ECU receives (Input signals (4, 5, 6, 8 and 10)), and outputs signals to **TERMINAL ACT**.
- * Overdrive control system
The ECU controls the O/D solenoid of the automatic transaxle in response to signals from each sensor (Input signals (1, 4, 5, 6, and 10)) in order to maintain drivability and acceleration performance.
The ECU outputs a signal from **TERMINAL OD2** to control the O/D solenoid.

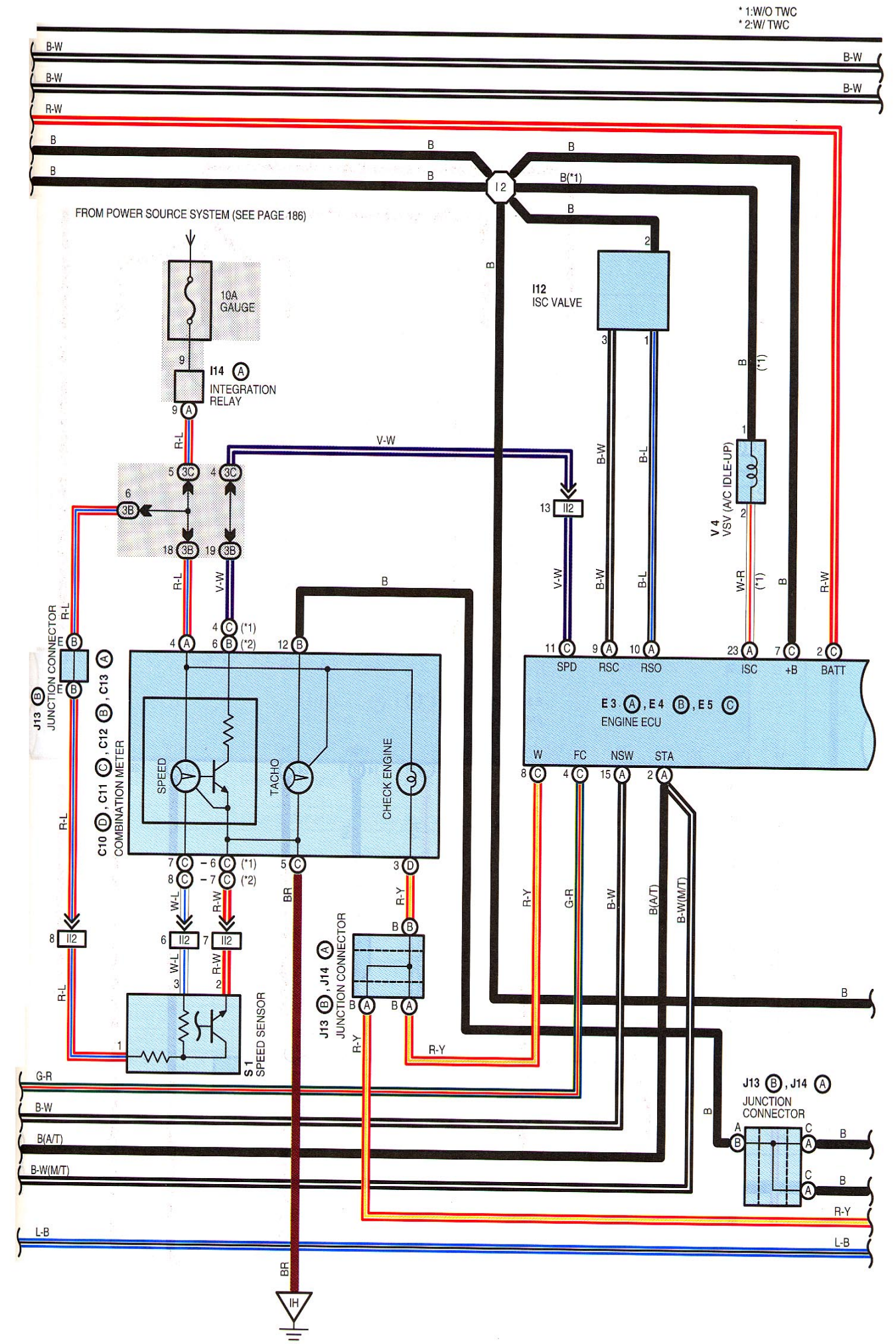
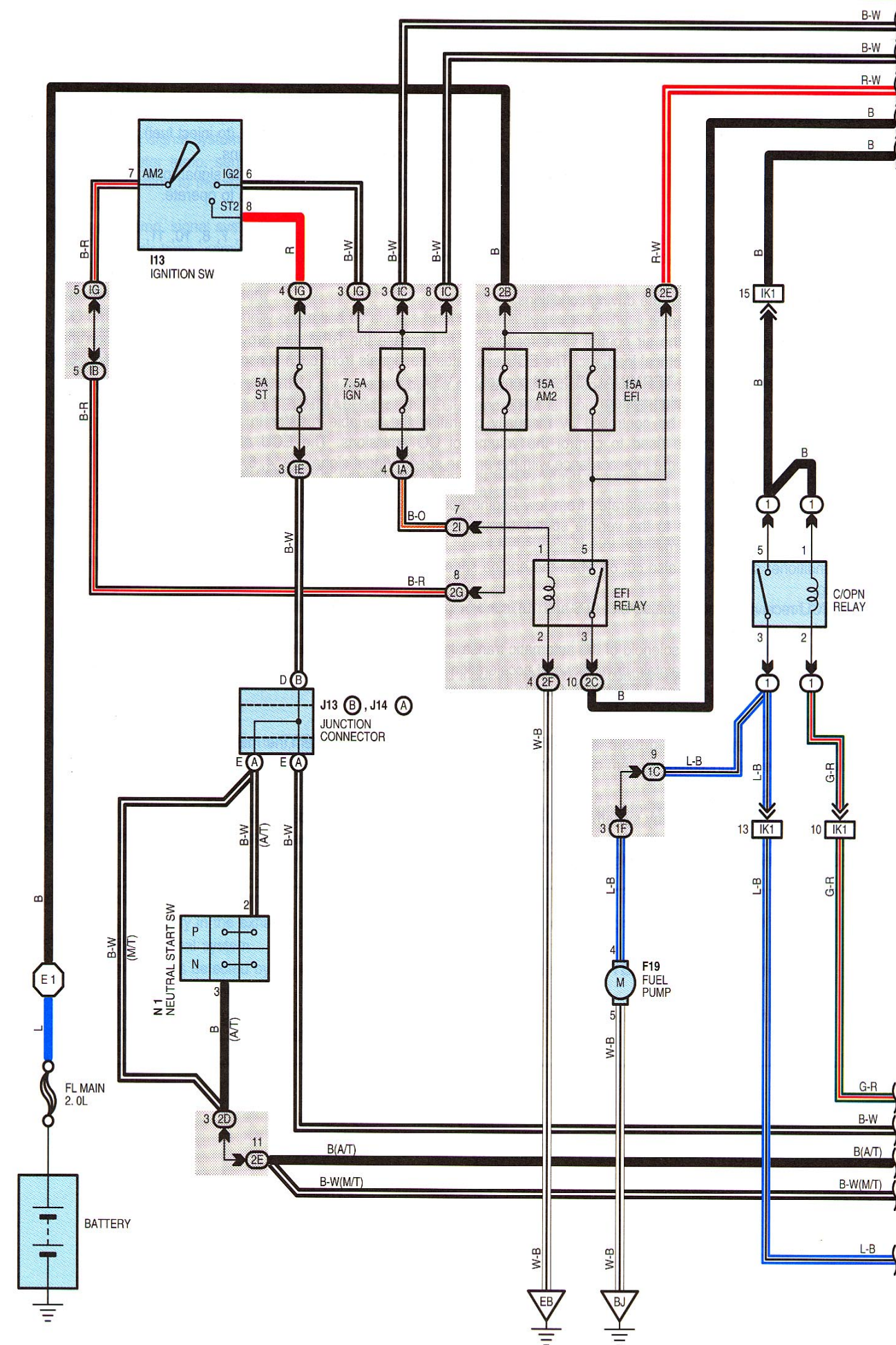
3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunctioning in the ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

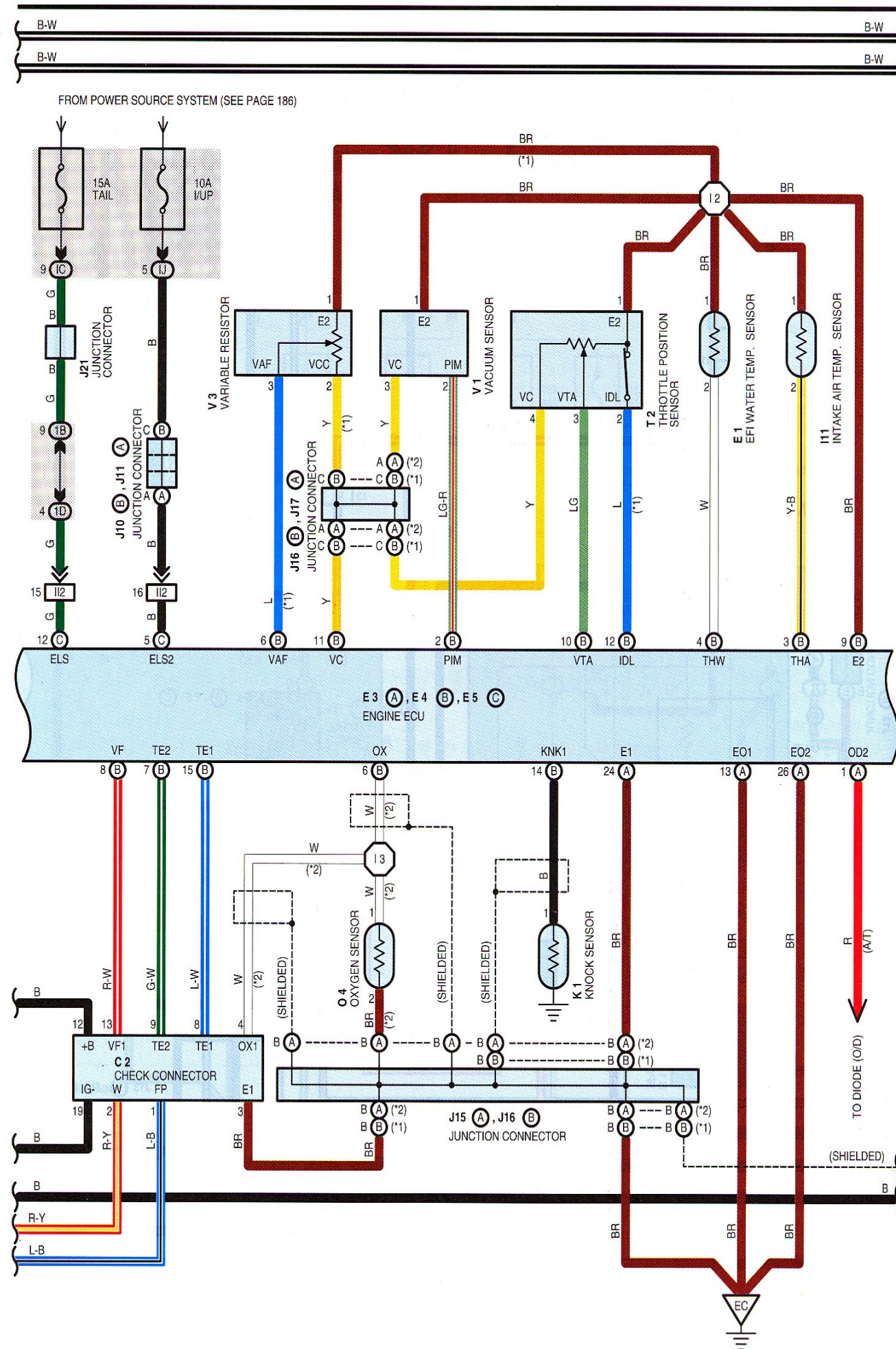
4. FAIL-SAFE SYSTEM

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

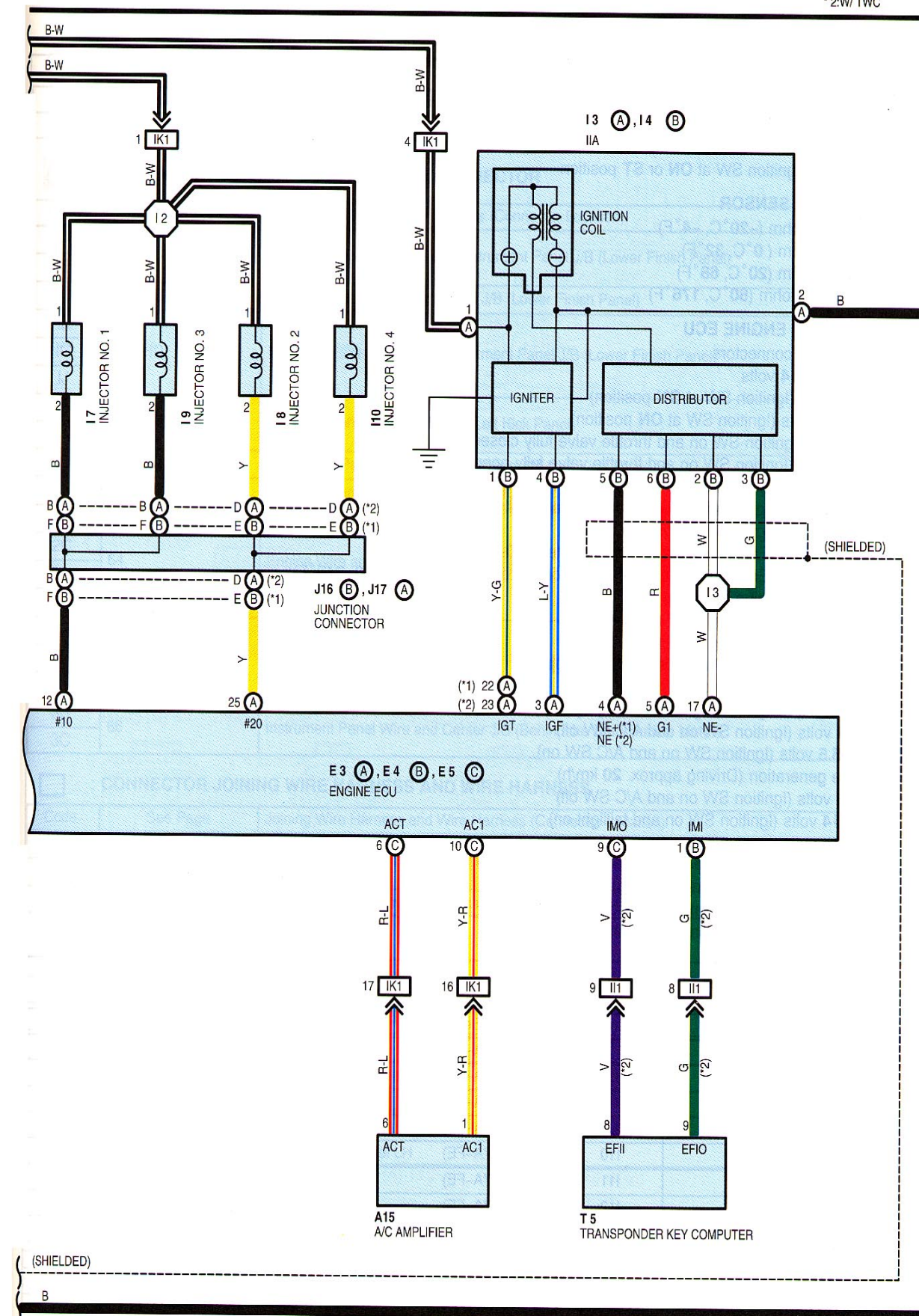
ENGINE CONTROL(LHD 7A-FE)



ENGINE CONTROL(LHD 7A-FE)



* 1:W/O TWC
* 2:W/ TWC



SERVICE HINTS

C/OPN RELAY [DRIVER SIDE R/B]

5-3 : Closed with the starter running and the engine running

EFI RELAY

5-3 : Closed with the ignition SW at **ON** or **ST** position

E 1 EFI WATER TEMP. SENSOR

1-2 : Approx. **14.96 kohm** (**-20°C**, **-4°F**)
Approx. **5.65 kohm** (**0°C**, **32°F**)
Approx. **2.44 kohm** (**20°C**, **68°F**)
Approx. **0.3143 kohm** (**80°C**, **176°F**)

E 3 (A), E 4 (B), E 5 (C) ENGINE ECU

Voltage at ECU wiring connectors

BATT-E1 : Always **9-14** volts

+B-E1 : **9-14** volts (Ignition SW at **ON** position)

VC-E1 : **4.5-5.5** volts (Ignition SW at **ON** position)

IDL-E1 : **0-3** volts (Ignition SW on and throttle valve fully closed)

: **9-14** volts (Ignition SW on and throttle valve fully open)

VTA-E1 : **0.3-0.8** volts (Ignition SW on and throttle valve fully closed)

: **3.2-4.9** volts (Ignition SW on and throttle valve fully open)

PIM-E1 : **3.3-3.9** volts (Ignition SW at **ON** position)

THA-E1 : **0.5-3.4** volts (Engine idling and intake air temp. **0-80°C**, **32-176°F**)

THW-E1 : **0.2-1.0** volts (Engine idling and engine coolant temp. **60-120°C**, **140-248°F**)

STA-E1 : **6-14** volts (Engine cranking)

IGT-E1 : Pulse generation (Engine idling)

IGF-E1 : Pulse generation (Engine idling)

FC-E1 : **9-14** volts (Ignition SW on and engine stopping)

0-3 volts (Engine idling)

W-E1 : **9-14** volts (Engine idling and warning light off)

AC1-E1 : **9-14** volts (Ignition SW on and A/C SW off)

ACT-E1 : **4.5-5.5** volts (Ignition SW on and A/C SW on)

SPD-E1 : Pulse generation (Driving approx. **20** km/h)

ISC-E1 : **9-14** volts (Ignition SW on and A/C SW off)

ELS-E1 : **7.5-14** volts (Ignition SW on and taillight on)

ELS2-E1 : **7.5-14** volts (Ignition SW on and rear window defogger on)

NSW-E1 : **0-3** volts (Engine idling)

#10,#20-E1 : Pulse generation (Engine idling)

NE+, NE-NE- : Pulse generation (Engine idling)

RSO,RSC-E1 : Pulse generation (Engine idling)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A15	84 (LHD)	I 4	B 70 (LHD 7A-FE)	J16	B 86 (LHD)
C 2	70 (LHD 7A-FE)	I 7	70 (LHD 7A-FE)	J17	A 86 (LHD)
C10	D 84 (LHD)	I 8	70 (LHD 7A-FE)	J21	86 (LHD)
C11	C 84 (LHD)	I 9	70 (LHD 7A-FE)	K 1	70 (LHD 7A-FE)
C12	B 84 (LHD)	I10	70 (LHD 7A-FE)	N 1	70 (LHD 7A-FE)
C13	A 84 (LHD)	I11	70 (LHD 7A-FE)	O 4	70 (LHD 7A-FE)
E 1	70 (LHD 7A-FE)	I12	70 (LHD 7A-FE)	S 1	70 (LHD 7A-FE)
E 3	A 84 (LHD)	I13	84 (LHD)	T 2	70 (LHD 7A-FE)
E 4	B 84 (LHD)	I14	A 84 (LHD)	T 5	86 (LHD)
E 5	C 84 (LHD)	J10	B 86 (LHD)	V 1	70 (LHD 7A-FE)
F19	88 (LHD S/D)	J11	A 86 (LHD)	V 3	70 (LHD 7A-FE)
	90 (LHD L/B)	J13	B 86 (LHD)	V 4	70 (LHD 7A-FE)
	94 (LHD W/G)	J14	A 86 (LHD)		
I 3	A 70 (LHD 7A-FE)	J15	A 86 (LHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
IJ		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1D	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D		
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2		
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

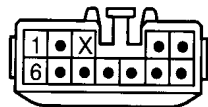
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
EC	122 (LHD 7A-FE)	Intake Manifold
IH	132 (LHD)	Instrument Panel Brace RH
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	142 (LHD W/G)	Rear Quarter Panel LH

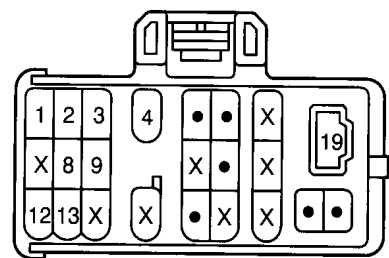
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	I 3	134 (LHD)	Engine Wire
I 2	134 (LHD)				

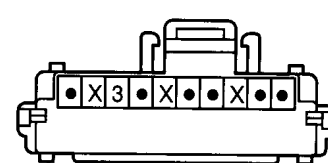
A15 BLACK



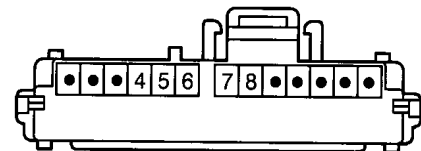
C 2 BLACK



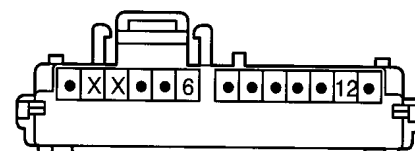
C10 (D) GRAY



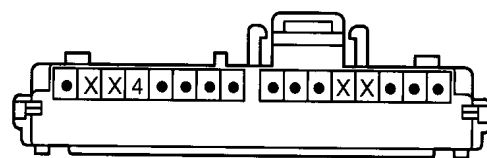
C11 (C) BLUE



C12 (B) BROWN



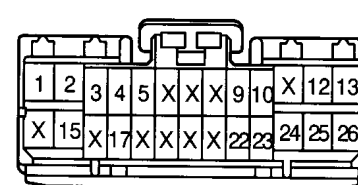
C13 (A)



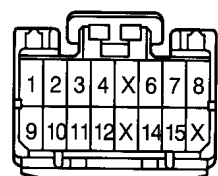
E 1 DARK GRAY



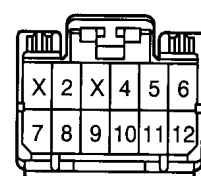
E 3 (A) DARK GRAY



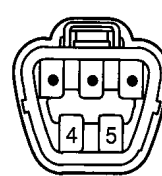
E 4 (B) DARK GRAY



E 5 (C) DARK GRAY



F19 DARK GRAY



I 3 (A) DARK GRAY



I 4 (B) DARK GRAY



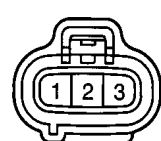
I 7, I 8, I 9, 10 GRAY



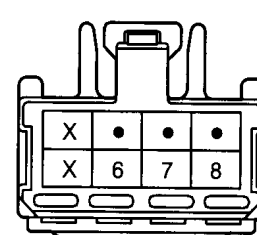
I11 BLACK



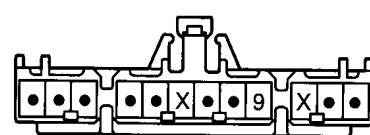
I12 GRAY



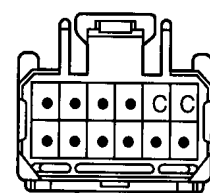
I13



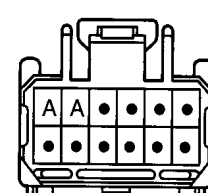
I14 (A)



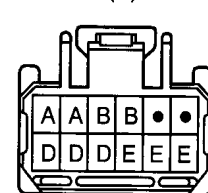
J10 (B)



J11 (A)



J13 (B) BLACK

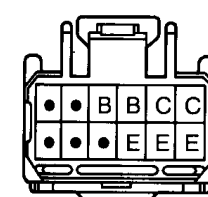


(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

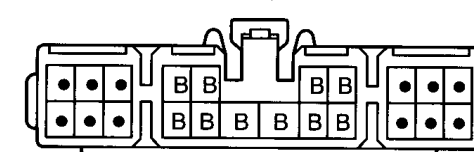
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



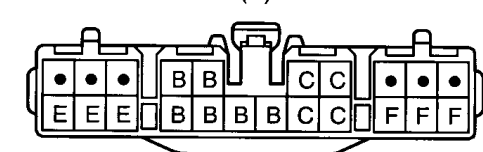
(Hint:See Page 7, 23, 39)

J15 (A)



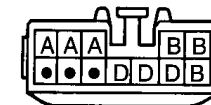
(Hint:See Page 7, 23, 39)

J16 (B)



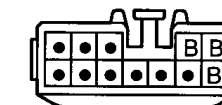
(Hint:See Page 7, 23, 39)

J17 (A)



(Hint:See Page 7, 23, 39)

J21 BLACK

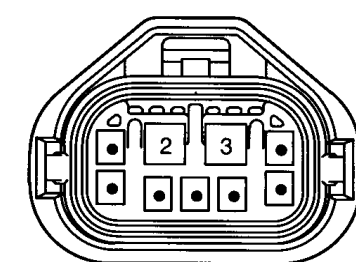


(Hint:See Page 7, 23, 39)

K 1 DARK GRAY



N 1 GRAY



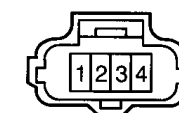
O 4 DARK GRAY



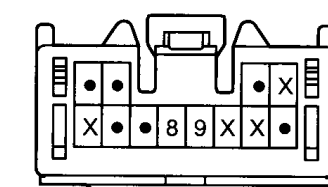
S 1 BLACK



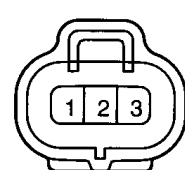
T 2 BLACK



T 5



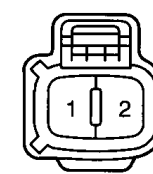
V 1 BLACK



V 3 BLACK



V 4 BLACK



SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine, etc. An outline of is given here.

1. INPUT SIGNALS

- (1) Water temp. signal system
The EFI water temp. sensor detects the engine coolant temp. and has a built-in thermistor with a resistance which varies according to the water temp. Thus the water temp. is input in the form of a control signal to **TERMINAL THW** of the ECU.
- (2) Intake air temp. signal system
The intake air temp. sensor is detects the intake air temp., which is input as a control signal to **TERMINAL THA** of the ECU.
- (3) Variable resistor signal system
CO emissions can be manually controlled by signals from the variable resistor. These signals are input **TERMINAL VAF** of the ECU.
- (4) RPM signal system
Crankshaft position and engine RPM are detected by the pick-up coil installed inside the distributor. Crankshaft position is input as a control signal to **TERMINAL G1** of the ECU, and RPM is input to **TERMINAL NE+**.
- (5) Throttle signal system
The throttle position sensor detects the throttle valve opening angle, which is input as a control signal to **TERMINAL VTA** of the ECU.
- (6) Vehicle speed signal system
(LHD)
The vehicle speed is detected by speed sensor installed in the transmission and the signal is input to **TERMINAL SPD** of the ECU via the comb. meter.
(RHD)
The speedometer inside the combination meter sends a vehicle speed signal to **TERMINAL SPD** of the ECU as a control signal.
- (7) NSW signal system
The neutral start SW detects whether the shift position is in neutral or not (A/T), the engine is cranking or not (M/T except RHD europe), and inputs a control signal to **TERMINAL NSW** of the ECU.
- (8) A/C SW signal system
The operating voltage of the A/C amplifier is detected and input in the form of a control signal to **TERMINAL AC1** of the ECU.
- (9) Battery signal system
Voltage is constantly applied to **TERMINAL BATT** of the ECU. When the ignition SW is turned to on, voltage for ECU operation is applied via the EFI relay to **TERMINAL +B** of the ECU.
- (10) Intake air vacuum signal system
Intake air vacuum is detected by the vacuum sensor and is input as a control signal to **TERMINAL PIM** of the ECU.
- (11) STA signal system
To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to **TERMINAL STA** of the ECU.
- (12) Oxygen sensor signal system
The oxygen density in the exhaust emissions is detected and input as a control signal to **TERMINAL OX** of the ECU.
- (13) Engine knock signal system
Engine knocking is detected by the knock sensor and input as a control signal to **TERMINAL KNK1** of the ECU.
- (14) Electrical load signal system
The signal when systems such as the rear window defogger, taillight. Which cause a high electrical burden are on is input to **TERMINALS ELS** and **ELS2** as a control signal.

2. CONTROL SYSTEM

- * EFI system
The EFI system monitors the engine conditions through the signals each sensor (Input signals (1) to (14)) input to the ECU. Based on this data and the program memorized in the ECU, the most appropriate fuel injection timing is decided and current is output to **TERMINALS #10** and **#20** of the ECU, causing the injectors to operate it (to inject fuel). It is this system which, through the work of the ECU, finely controls fuel injection response to driving conditions.
During engine cranking (Signal input to **TERMINAL STA**) or for approx. 2 seconds after the signal input, ECU operation energizes (Point closed) the fuel pump circuit inside the C/OPN relay, causing the fuel pump to operate.
- * ESA system
The ESA system monitors the engine conditions using the signals (Input signals (1, 4, 5, 6, 7, 8, 11, 14)) input to the ECU from each sensor. Based on this data and the program memorized in the ECU. The most appropriate ignition timing is decided and current is output to **TERMINAL IGT** of the ECU. This output controls the igniter to produce the most appropriate ignition timing for the driving conditions.
- * ISC system
The ISC system increases the RPM and provides idle stability for fast idle-up when the engine is cold, and when the idle speed has dropped due to electrical load and so on, the engine ECU evaluates the signals from each sensor (Input signals from 1, 4, 5, 6, 7, 8, 11, 14), current is output to **TERMINAL RSO** to control ISC valve.
- * CO emission control correction system
The injection volume can be controlled by manually operating the variable resistor in the engine compartment. This manual adjustment can be used to control the volume of CO emissions. The ECU also reduces CO emissions by controlling the injection volume in accordance with the engine speed. (Input signals (3, 4, 5, 6, 12))
- * A/C cut control system
When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
Air conditioner operation is also cut off when the engine speed drops below **500 rpm** during idling, thus preventing engine stalling.
The ECU receives (Input signals (4, 5, 6, 8 and 10)), and outputs signals to **TERMINAL ACT**.
- * Overdrive control system
The ECU controls the O/D solenoid of the automatic transaxle in response to signals from each sensor (Input signals (1,4,5,6, and 10)) in order to maintain drivability and acceleration performance.
The ECU outputs a signal from **TERMINAL OD2** to control to the O/D solenoid.
- * Oxygen sensor heater control system
The oxygen sensor heater control system turns the heater to on when the intake air volume is low (Temp. of exhaust emission low). And warms up the oxygen sensor to improve detection performance of the sensor. The ECU evaluates the signals from each sensor (Input signals (1, 4, 5, 9, 10)), current is output to **TERMINAL HT** and controls the heater.

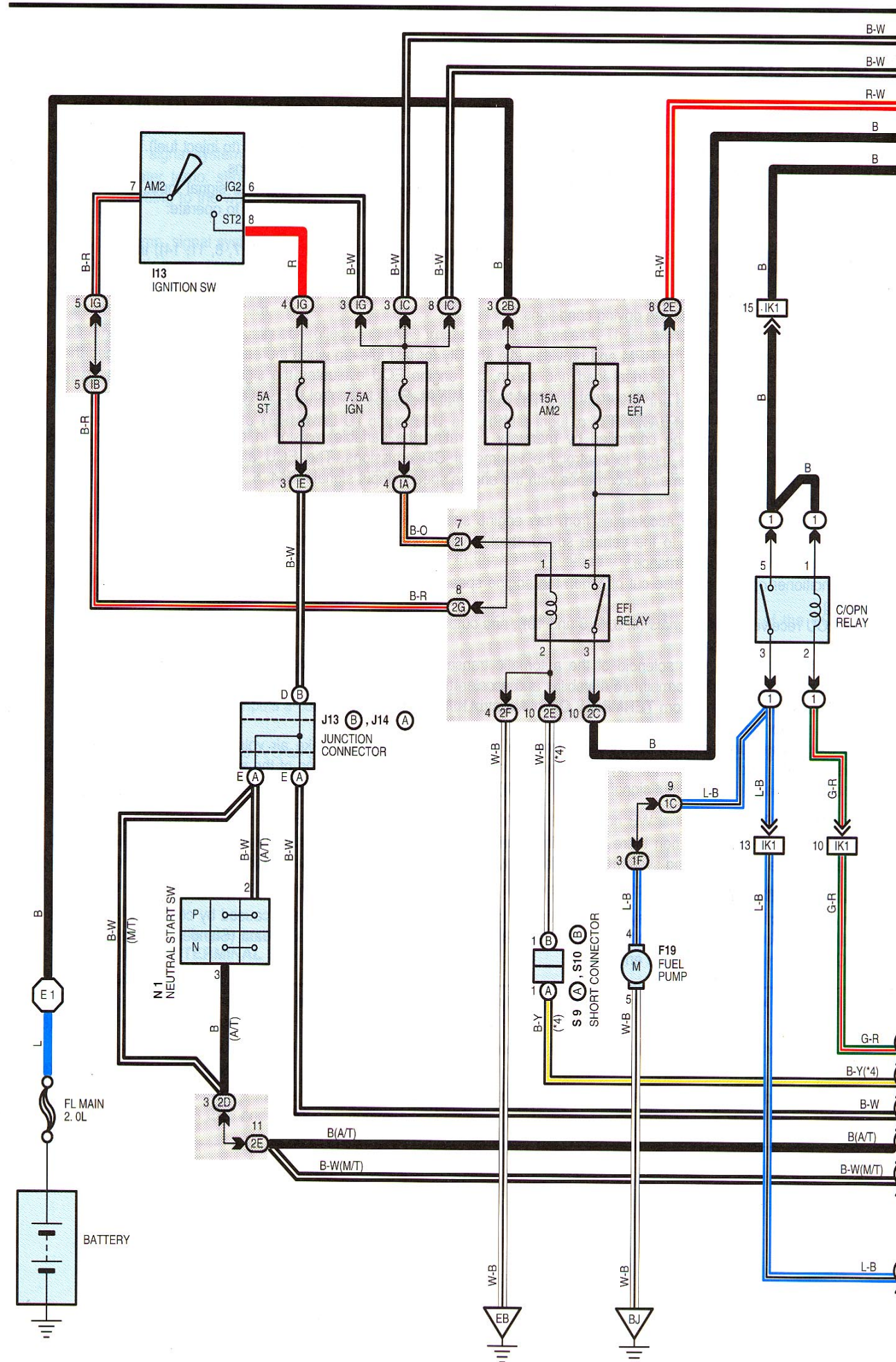
3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunctioning in the ECU signal system,the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

4. FAIL-SAFE SYSTEM

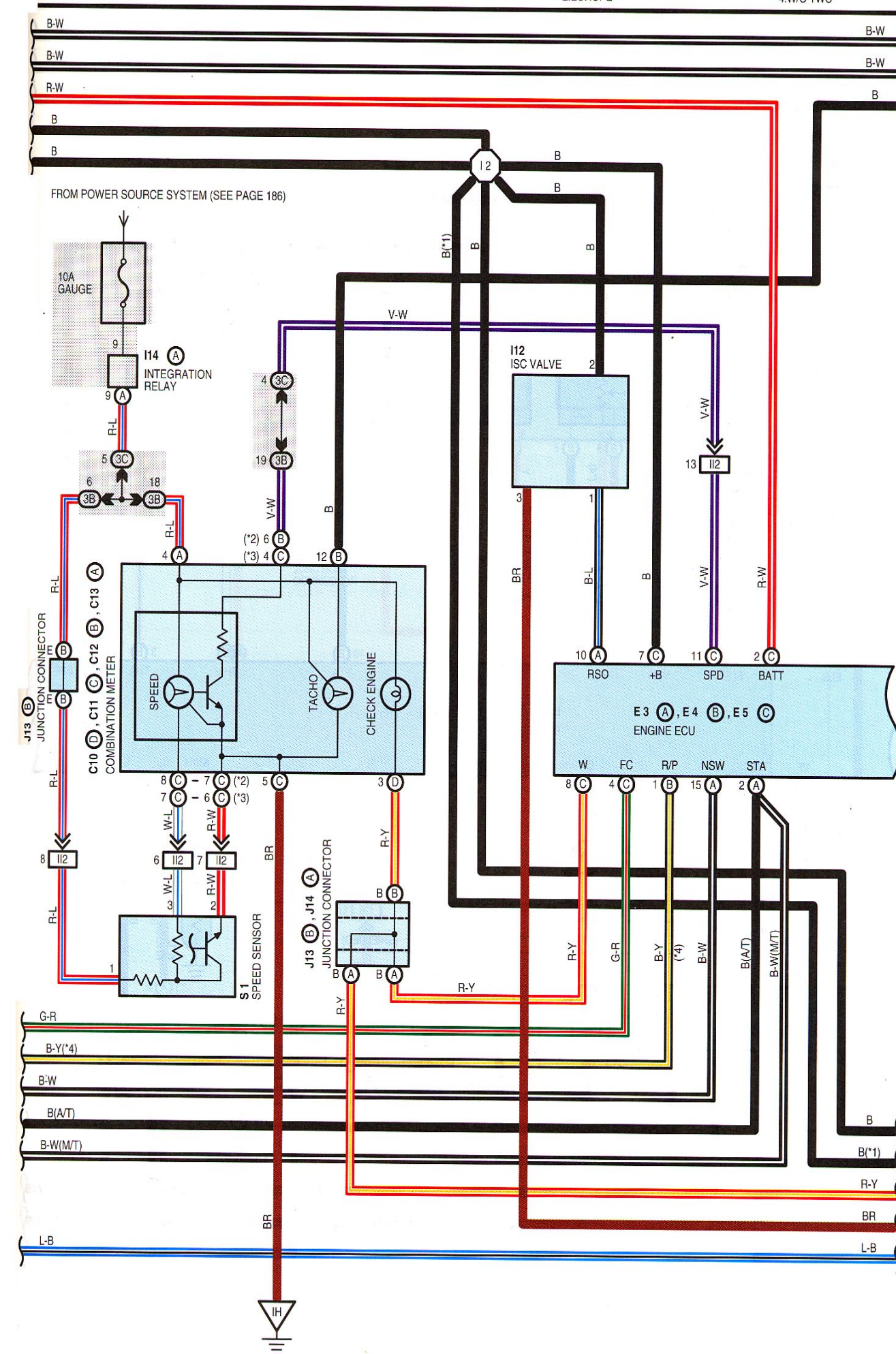
When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

ENGINE CONTROL(LHD 4A-FE)

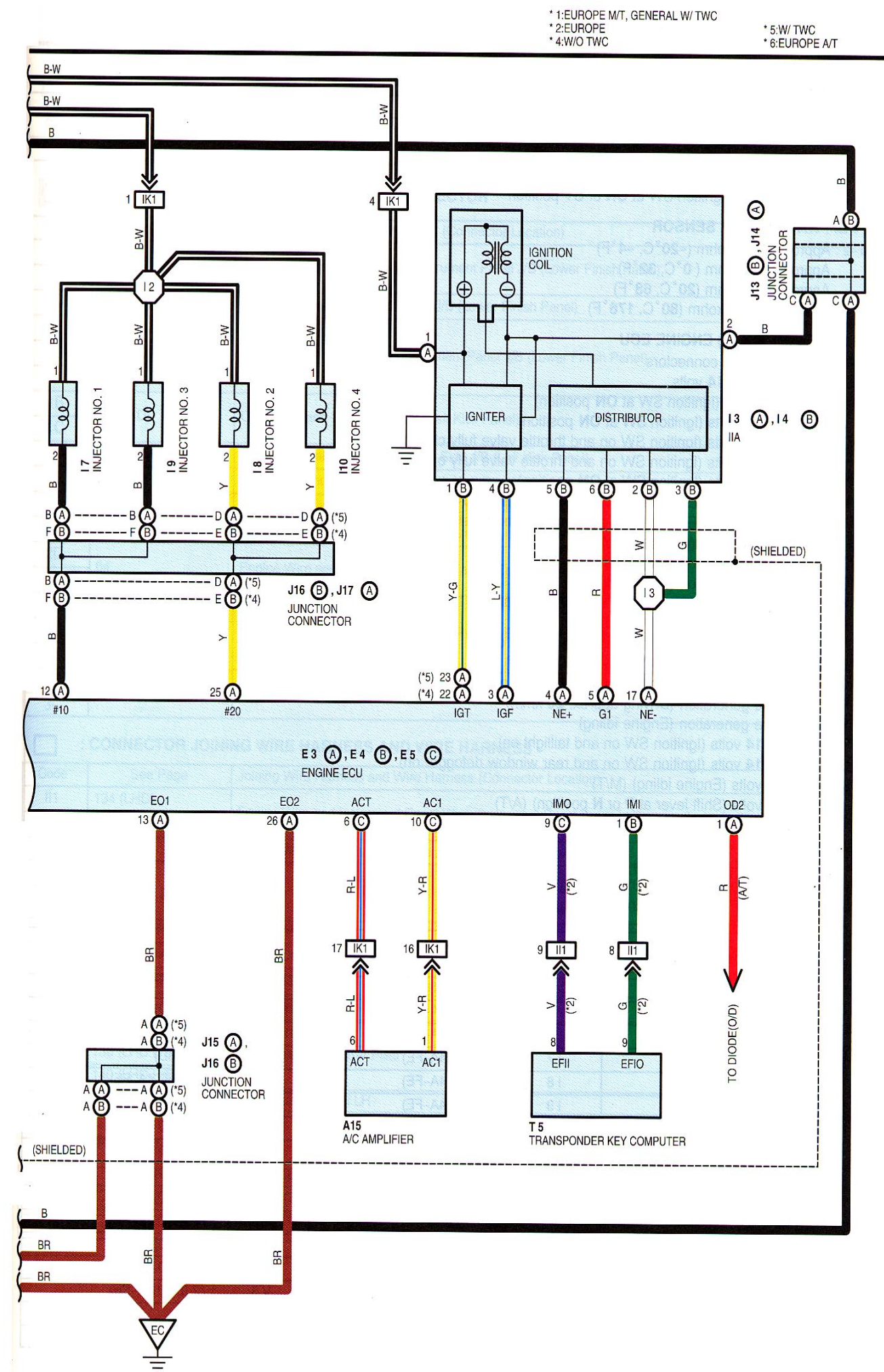
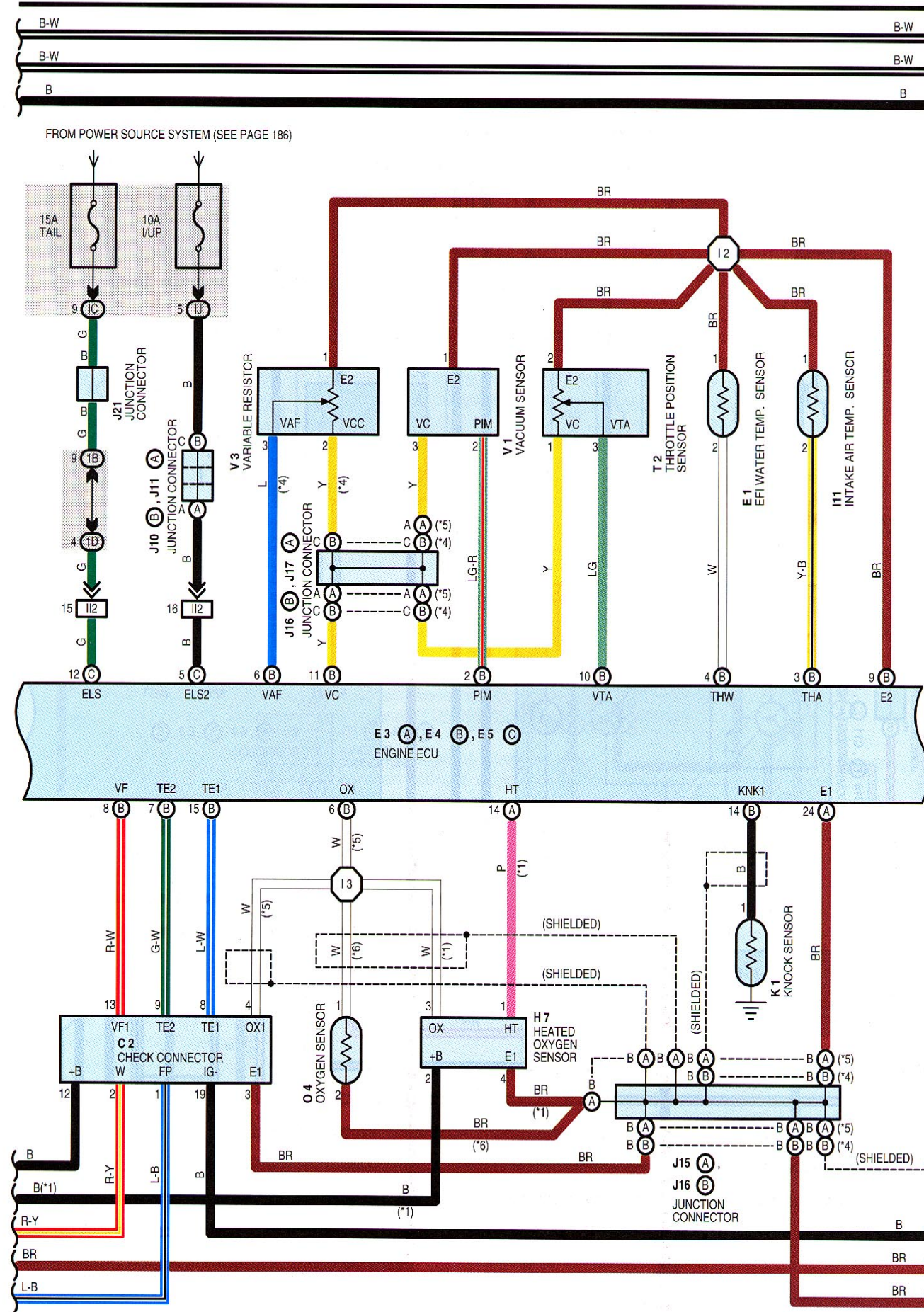


* 1:EUROPE M/T, GENERAL W/ TWC
* 2:EUROPE

* 3:EXCEPT EUROPE
* 4:W/O TWC



ENGINE CONTROL(LHD 4A-FE)



SERVICE HINTS

C/OPN RELAY [DRIVER SIDE R/B]

5-3: Closed with the starter running and the engine running

EFI RELAY

5-3: Closed with the ignition SW at ON or ST position

E 1 EFI WATER TEMP. SENSOR

1-2: Approx. 14.96 kohm (-20°C, -4°F)

Approx. 5.65 kohm (0°C, 32°F)

Approx. 2.44 kohm (20°C, 68°F)

Approx. 0.3143 kohm (80°C, 176°F)

E 3 (A), E 4 (B), E 5 (C) ENGINE ECU

Voltage at ECU wiring connectors

BATT-E1: Always 9-14 volts

+B-E1: 9-14 volts (Ignition SW at ON position)

VC-E1: 4.5-5.5 volts (Ignition SW at ON position)

VTA-E1: 0.3-0.8 volts (Ignition SW on and throttle valve fully closed)

: 3.2-4.9 volts (Ignition SW on and throttle valve fully open)

PIM-E1: 3.3-3.9 volts (Ignition SW at ON position)

THA-E1: 0.5-3.4 volts (Engine idling and intake air temp. 0-80°C, 32-176°F)

THW-E1: 0.2-1.0 volts (Engine idling and engine coolant temp. 60-120°C, 140-248°F)

STA-E1: 6-14 volts (Engine cranking)

IGT-E1: Pulse generation (Engine idling)

IGF-E1: Pulse generation (Engine idling)

FC-E1: 9-14 volts (Ignition SW on and engine stopping)

0-3 volts (Engine idling)

W-E1: 9-14 volts (Engine idling and warning light off)

AC1-E1: 9-14 volts (Ignition SW on and A/C SW off)

ACT-E1: 4.5-5.5 volts (Ignition SW on and A/C SW on)

SPD-E1: Pulse generation (Driving approx. 20 km/h)

RSO-E1: Pulse generation (Engine idling)

ELS-E1: 7.5-14 volts (Ignition SW on and taillight on)

ELS2-E1: 7.5-14 volts (Ignition SW on and rear window defogger on)

NSW-E1: 0-3 volts (Engine idling) (M/T)

: 0-3 volts (Shift lever at P or N position) (A/T)

: 9-14volts (Shift lever except P or N position) (A/T)

OD2-E1: 0-3 volts (O/D SW off)

9-14 volts (O/D SW on)

#10,#20-E1: Pulse generation (Engine idling)

NE+ -NE-: Pulse generation (Engine idling)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A15	84 (LHD)	I 3	A 72 (LHD 4A-FE)	J16	B 86 (LHD)
C 2	72 (LHD 4A-FE)	I 4	B 72 (LHD 4A-FE)	J17	A 86 (LHD)
C10	D 84 (LHD)	I 7	72 (LHD 4A-FE)	J21	86 (LHD)
C11	C 84 (LHD)	I 8	72 (LHD 4A-FE)	K 1	72 (LHD 4A-FE)
C12	B 84 (LHD)	I 9	72 (LHD 4A-FE)	N 1	72 (LHD 4A-FE)
C13	A 84 (LHD)	I10	72 (LHD 4A-FE)	O 4	72 (LHD 4A-FE)
E 1	72 (LHD 4A-FE)	I11	72 (LHD 4A-FE)	S 1	72 (LHD 4A-FE)
E 3	A 84 (LHD)	I12	72 (LHD 4A-FE)	S 9	A 86 (LHD)
E 4	B 84 (LHD)	I13	84 (LHD)	S10	B 86 (LHD)
E 5	C 84 (LHD)	I14	A 84 (LHD)	T 2	72 (LHD 4A-FE)
F19	88 (LHD S/D)	J10	B 86 (LHD)	T 5	86 (LHD)
	90 (LHD L/B)	J11	A 86 (LHD)	V 1	72 (LHD 4A-FE)
	92 (LHD H/B)	J13	B 86 (LHD)	V 3	72 (LHD 4A-FE)
	94 (LHD W/G)	J14	A 86 (LHD)		
H 7	72 (LHD 4A-FE)	J15	A 86 (LHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
IJ		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1D	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2D	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2	134 (LHD)	
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

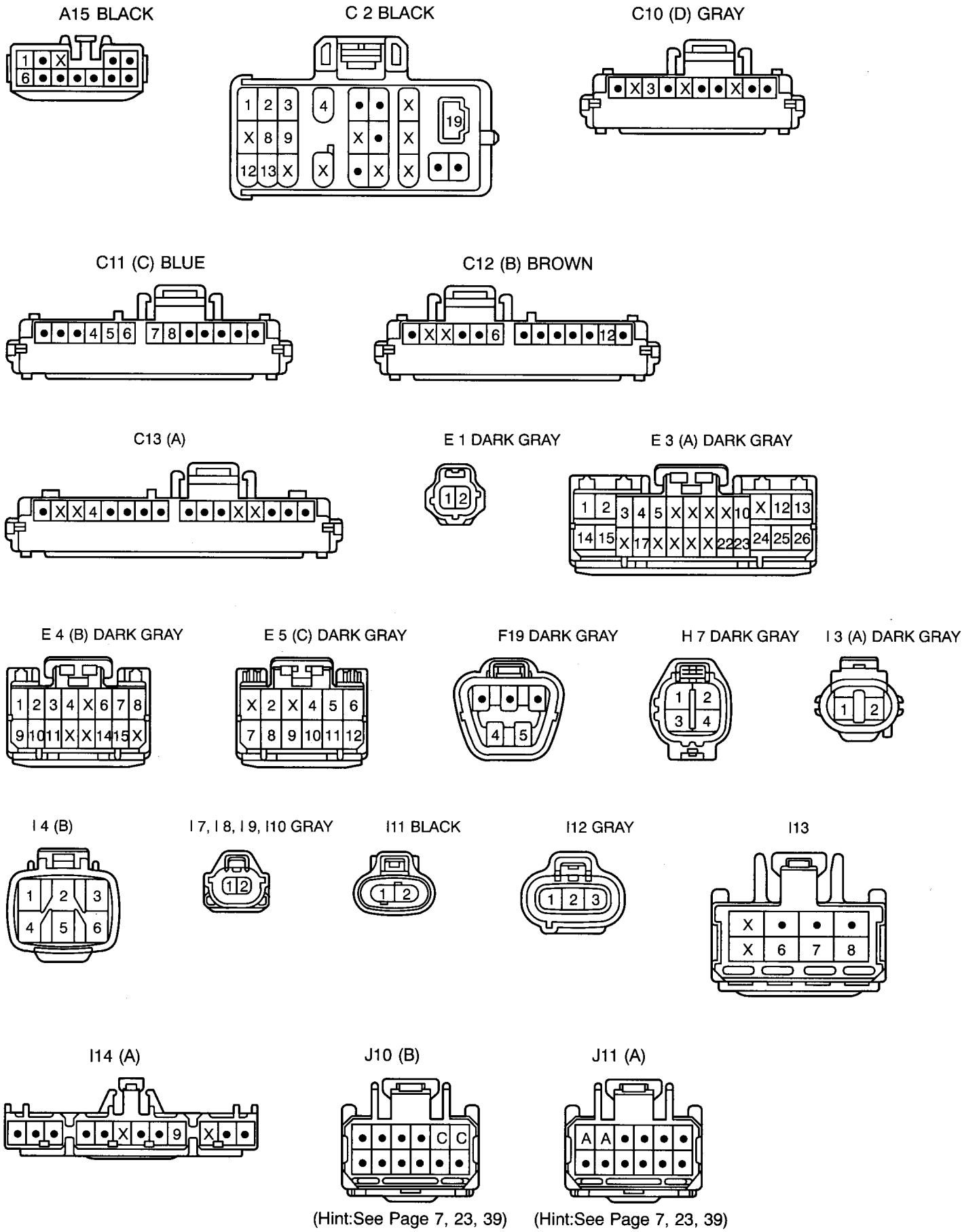
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	123 (LHD 4A-FE)	Front Side of Left Fender
EC	123 (LHD 4A-FE)	Intake Manifold
IH	132 (LHD)	Instrument Panel Brace RH
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	140 (LHD H/B)	
	142 (LHD W/G)	Rear Quarter Panel LH

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	123 (LHD 4A-FE)	Engine Wire	I 3	134 (LHD)	Engine Wire
I 2	134 (LHD)				

ENGINE CONTROL(LHD 4A-FE)



SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine, etc. An outline of engine control is given here.

1. INPUT SIGNALS

- (1) Water temp. signal system
The EFI water temp. sensor detects the engine coolant temp. and has a built-in thermistor with a resistance which varies according to the water temp. Thus the water temp. is input in the form of a control signal to **TERMINAL THW** of the ECU.
- (2) Intake air temp. signal system
The intake air temp. sensor is detects the intake air temp., which is input as a control signal to **TERMINAL THA** of the ECU.
- (3) Oxygen sensor signal system
The oxygen density in the exhaust emissions is detected and input as a control signal to **TERMINAL OX** of the ECU.
- (4) RPM signal system
Crankshaft position and engine speed are detected by the crankshaft position sensor. Crankshaft position and RPM are input as a control signal to **TERMINAL NE** of the ECU.
- (5) Throttle signal system
The throttle position sensor detects the throttle valve opening angle, which is input as a control signal to **TERMINAL VTA** of the ECU.
- (6) Vehicle speed signal system
(LHD A/T)
The vehicle speed is detected by speed sensor installed in the transmission and the signal is input to **TERMINAL SPD** of the ECU via the comb. meter.
(Except LHD A/T)
The speedometer inside the combination meter sends a vehicle speed signal to **TERMINAL SPD** of the ECU as a control signal.
- (7) NSW signal system
The neutral start SW detects whether the shift position is in neutral or not (A/T), the engine is cranking or not (M/T), and input a control signal to **TERMINAL NSW** of the ECU.
- (8) A/C SW signal system
The A/C amplifier is detects the A/C operating condition and input a control signal into **TERMINAL AC1** of the ECU.
- (9) Battery signal system
Voltage is constantly applied to **TERMINAL BATT** of the ECU. When the ignition SW is turned to on, voltage for ECU operation is applied via the EFI relay to **TERMINAL +B** of the ECU.
- (10) Intake air volume signal system
Intake air volume is detected by the vacuum sensor and is input as a control signal to **TERMINAL PIM** of the ECU.
- (11) STA signal system
To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to **TERMINAL STA** of the ECU.
- (12) Electrical load signal system
The signal when systems such as the taillight and blower motor which cause a high electrical burden are on is input to **TERMINAL ELS** of the ECU.
- (13) Cooling fan signal system
The signal when the FAN NO. 1 relay is open or close is input to **TERMINAL CF** of the ECU.
- (14) Engine knock signal system
Engine knocking is detected by the knock sensor and input as a control signal to **TERMINAL KNK1** of the ECU.

2. CONTROL SYSTEM

- * EFI system
The EFI system monitors the engine conditions through the signals each sensor (Input signals (1) to (14)) input to the ECU. Based on this data and the program memorized in the ECU, the most appropriate fuel injection timing is decided and current is output to **TERMINALS #10** and **#20** of the ECU, causing the injectors to operate it (to inject fuel). It is this system which, through the work of the ECU. Finely controls fuel injection response to driving conditions.
During engine cranking (Signal input to **TERMINAL STA**) or for approx. 2 seconds after NE signal input, ECU operation energizes (Point closed) the fuel pump circuit inside the C/OPN relay, causing the fuel pump to operate.
- * ESA system
The ESA system monitors the engine conditions using the signals (Input signals (1, 4, 5, 6, 7, 8, 10, 11, 14)) input to the ECU from each sensor. Based on this data and the program memorized in the ECU, the most appropriate ignition timing is decided and current is output to **TERMINALS IGT1** and **IGT2** of the ECU. This output controls the ignition coil and igniter to produce the most appropriate ignition timing for the driving conditions.
- * Oxgen sensor heater control system
The oxygen sensor heater control system turns the heater to on when the intake air volume is low (Temp. of exhaust emissions low). And warms up the oxygen sensor to improve detection performance of the sensor. The ECU evaluates the signals from each sensor (Input signals (1, 4, 5, 9, 10)), current is output to **TERMINAL HT** and controls the heater.
- * ISC system
The ISC system increases the RPM and provides idle stability for fast idle-up when the engine is cold, and when the idle speed has dropped due to electrical load and so on, the engine ECU evaluates the signals from each sensor (Input signals from 1, 4, 5, 6, 7, 8, 11, 12, 13), current is output to **TERMINAL RSD** to control ISC valve.
- * A/C cut control system
When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
The ECU receives (Input signals (4, 5, 6, 8 and 10)), and outputs signals to **TERMINAL ACT**.

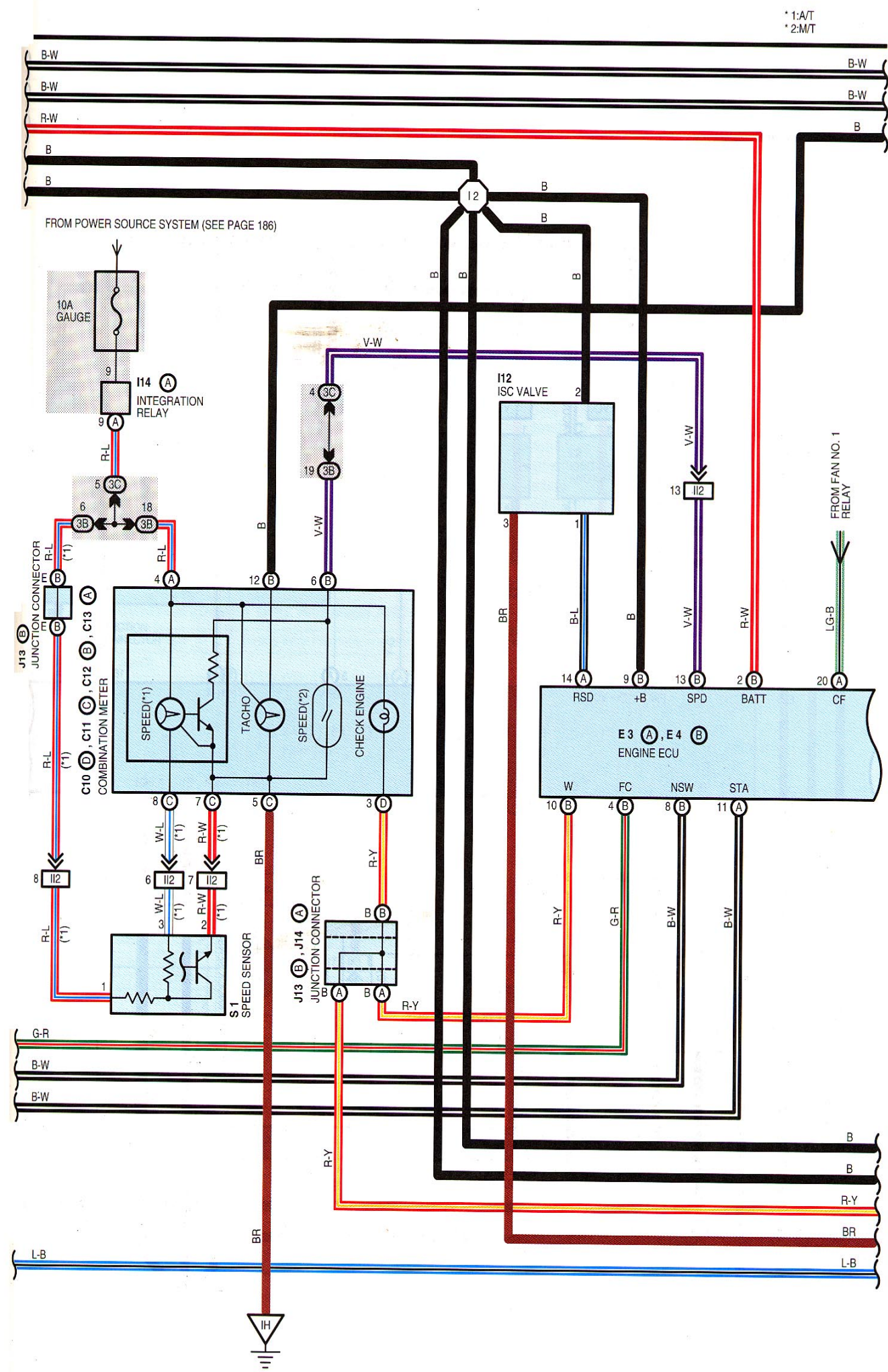
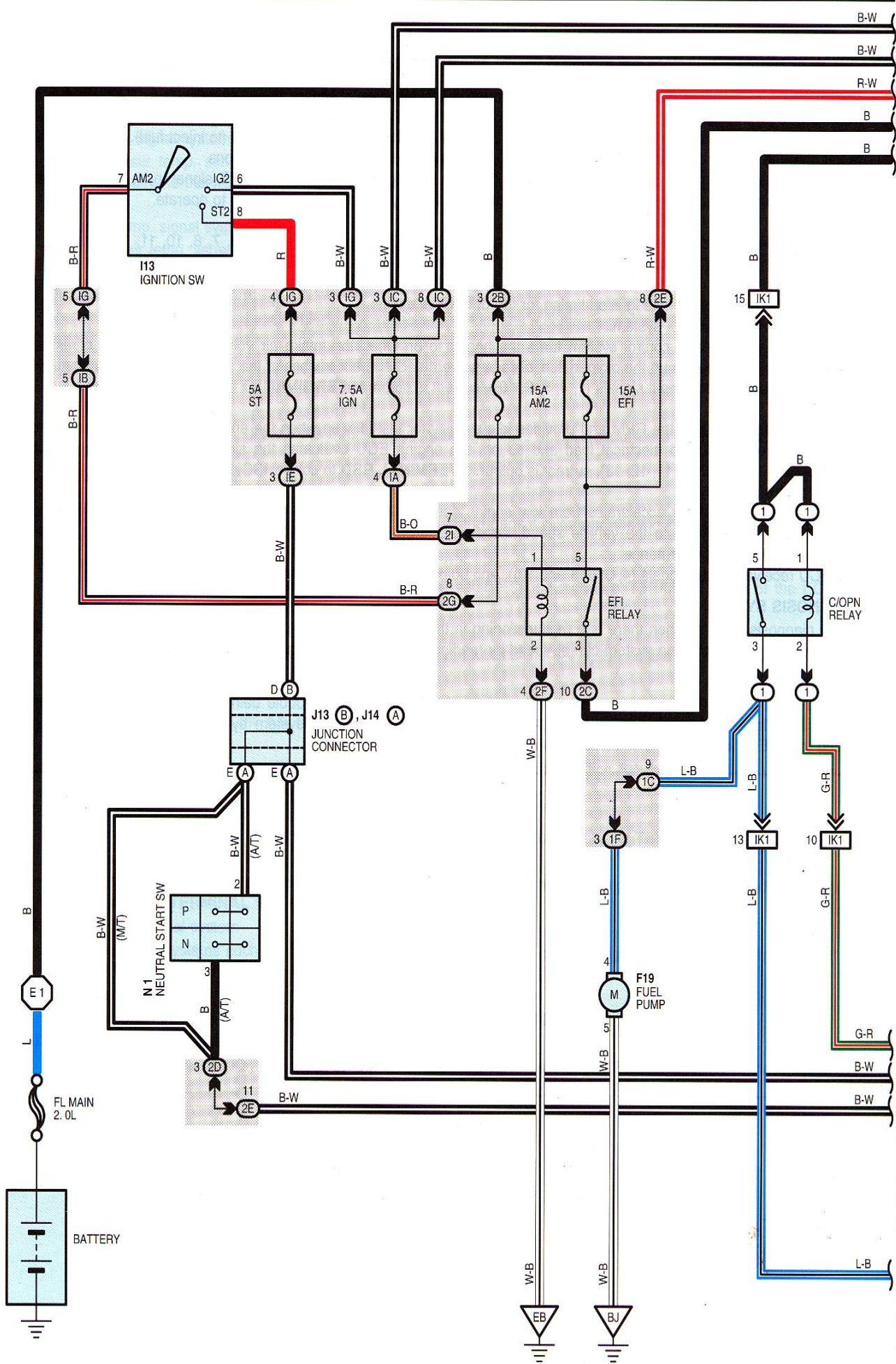
3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunctioning in the ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

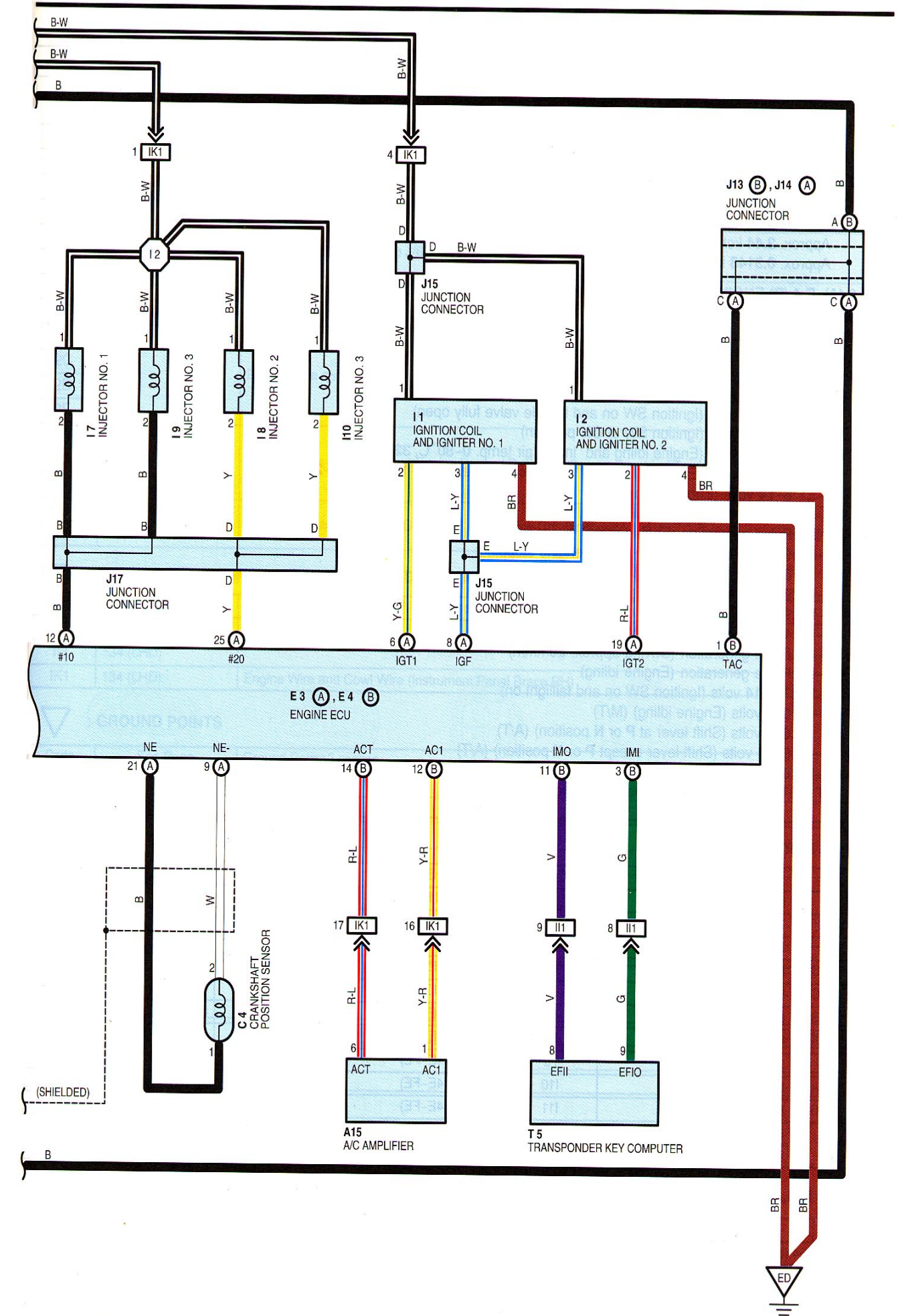
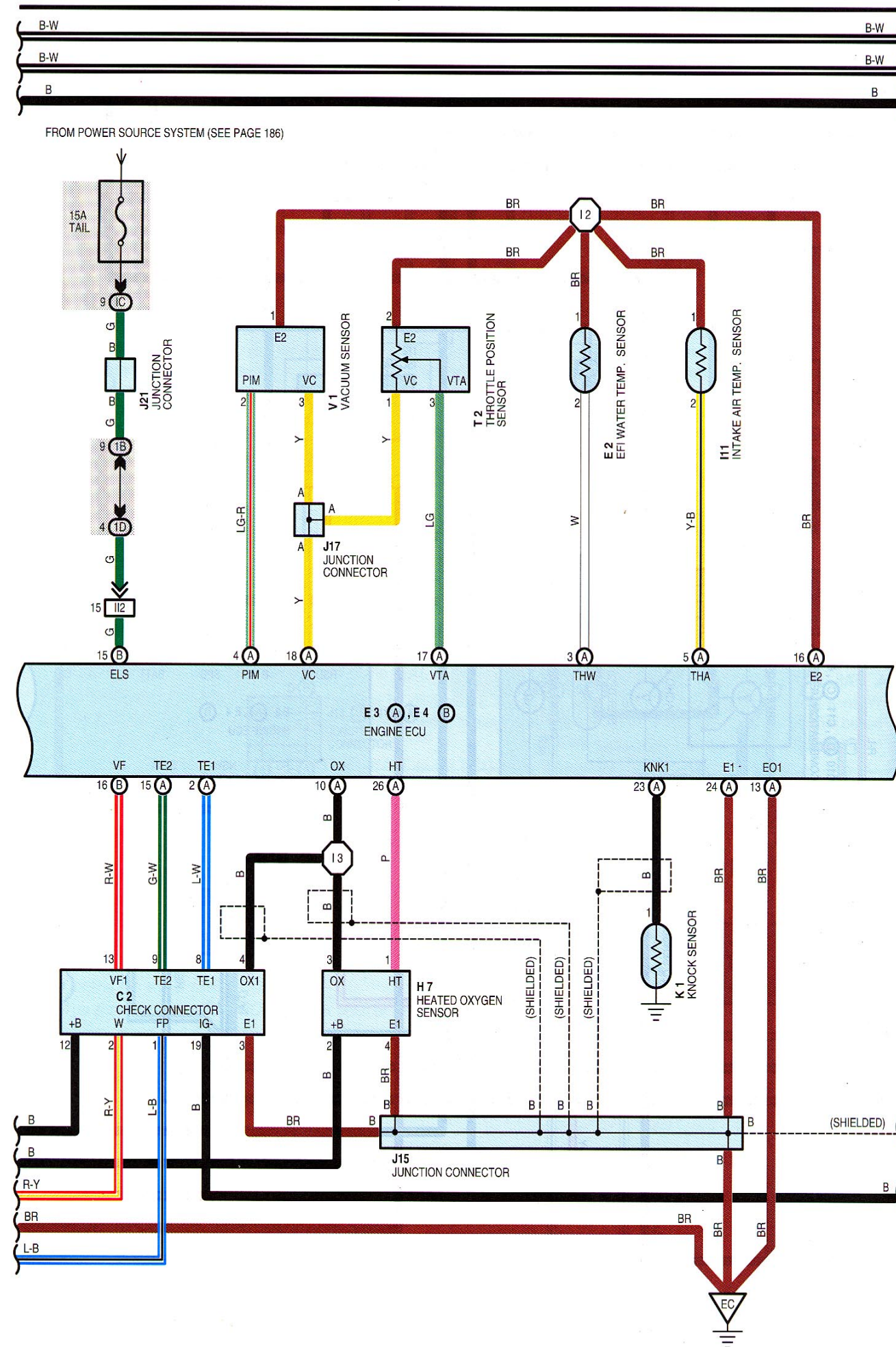
4. FAIL-SAFE SYSTEM

When a malfunctioning occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

ENGINE CONTROL(LHD 4E-FE)



ENGINE CONTROL(LHD 4E-FE)



SERVICE HINTS

C/OPN RELAY [DRIVER SIDE R/B]

5-3 :Closed with the starter running and the engine running

EFI RELAY

5-3 :Closed with the ignition SW at **ON** or **ST** position

E 2 EFI WATER TEMP. SENSOR

1-2 :Approx. **14.96** kohm (**-20°C**, **-4°F**)

Approx. **5.65** kohm (**0°C**, **32°F**)

Approx. **2.44** kohm (**20°C**, **68°F**)

Approx. **0.3143** kohm (**80°C**, **176°F**)

E 3 (A), E 4 (B) ENGINE ECU

Voltage at ECU wiring connectors

BATT-E1 :Always **9-14** volts

+B-E1 :**9-14** volts (Ignition SW at **ON** position)

VC-E1 :**4.5-5.5** volts (Ignition SW at **ON** position)

VTA-E1 :**0.3-0.8** volts (Ignition SW on and throttle valve fully closed)

:**3.2-4.9** volts (Ignition SW on and throttle valve fully open)

PIM-E1 :**3.3-3.9** volts (Ignition SW at **ON** position)

THA-E1 :**0.5-3.4** volts (Engine idling and intake air temp. **0-80°C**, **32-176°F**)

THW-E1 :**0.2-1.0** volts (Engine idling and engine coolant temp. **60-120°C**, **140-248°F**)

STA-E1 :**6-14** volts (Engine cranking)

IGF-E1 :Pulse generation (Engine idling)

NE-NE- :Pulse generation (Engine idling)

FC-E1 :**9-14** volts (Ignition SW on and engine stopping)

0-3 volts (Engine idling)

W-E1 :**9-14** volts (Engine idling and warning light off)

AC1-E1 :**9-14** volts (Ignition SW on and A/C SW off)

ACT-E1 :**4.5-5.5** volts (Ignition SW on and A/C SW on)

SPD-E1 :Pulse generation (Driving approx. **20** km/h)

RSD-E1 :Pulse generation (Engine idling)

ELS-E1 :**7.5-14** volts (Ignition SW on and taillight on)

NSW-E1 :**0-3** volts (Engine idling) (M/T)

:**0-3** volts (Shift lever at **P** or **N** position) (A/T)

:**9-14** volts (Shift lever except **P** or **N** position) (A/T)

CF-E1 :**0-3** volts (Ignition SW on and engine stopping)

IGT1,IGT2-E1 :Pulse generation (Engine idling)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A15	84 (LHD)	F19	92 (LHD H/B)	I14	A 84 (LHD)
C 2	74 (LHD 4E-FE)		94 (LHD W/G)	J13	B 86 (LHD)
C 4	74 (LHD 4E-FE)	H 7	74 (LHD 4E-FE)	J14	A 86 (LHD)
C10	D 84 (LHD)	I 1	74 (LHD 4E-FE)	J15	86 (LHD)
C11	C 84 (LHD)	I 2	74 (LHD 4E-FE)	J17	86 (LHD)
C12	B 84 (LHD)	I 7	74 (LHD 4E-FE)	J21	86 (LHD)
C13	A 84 (LHD)	I 8	74 (LHD 4E-FE)	K 1	74 (LHD 4E-FE)
E 2	74 (LHD 4E-FE)	I 9	74 (LHD 4E-FE)	N 1	74 (LHD 4E-FE)
E 3	A 84 (LHD)	I10	74 (LHD 4E-FE)	S 1	74 (LHD 4E-FE)
E 4	B 84 (LHD)	I11	74 (LHD 4E-FE)	T 2	74 (LHD 4E-FE)
F19	88 (LHD S/D)	I12	74 (LHD 4E-FE)	T 5	86 (LHD)
	90 (LHD L/B)	I13	84 (LHD)	V 1	74 (LHD 4E-FE)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1D	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D		
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2	134 (LHD)	
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)



: GROUND POINTS

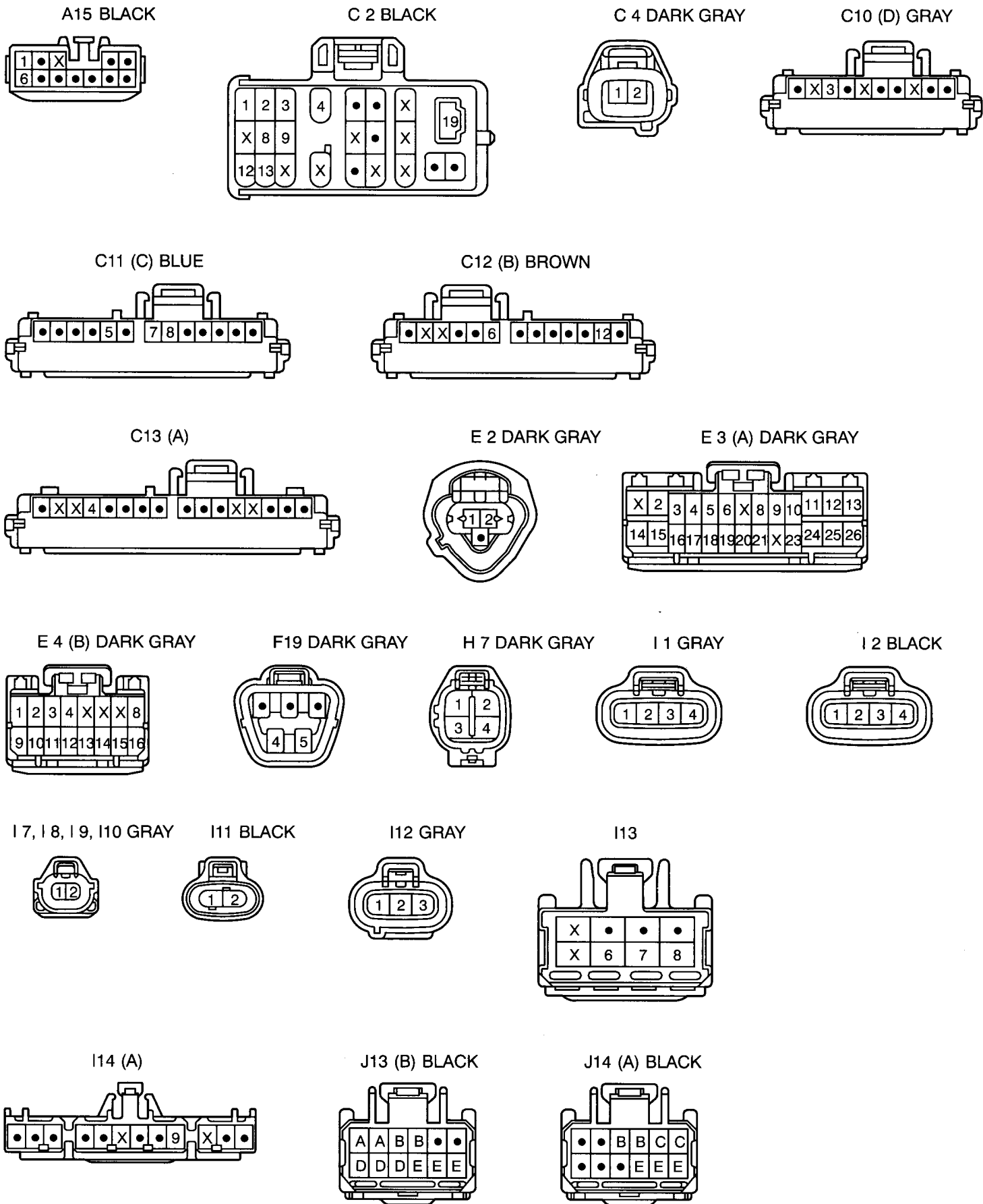
Code	See Page	Ground Points Location
EB	124 (LHD 4E-FE)	Front Side of Left Fender
EC	124 (LHD 4E-FE)	Intake Manifold
ED	124 (LHD 4E-FE)	Cylinder Head
IH	132 (LHD)	Instrument Panel Brace RH
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	140 (LHD H/B)	
	142 (LHD W/G)	Rear Quarter Panel LH



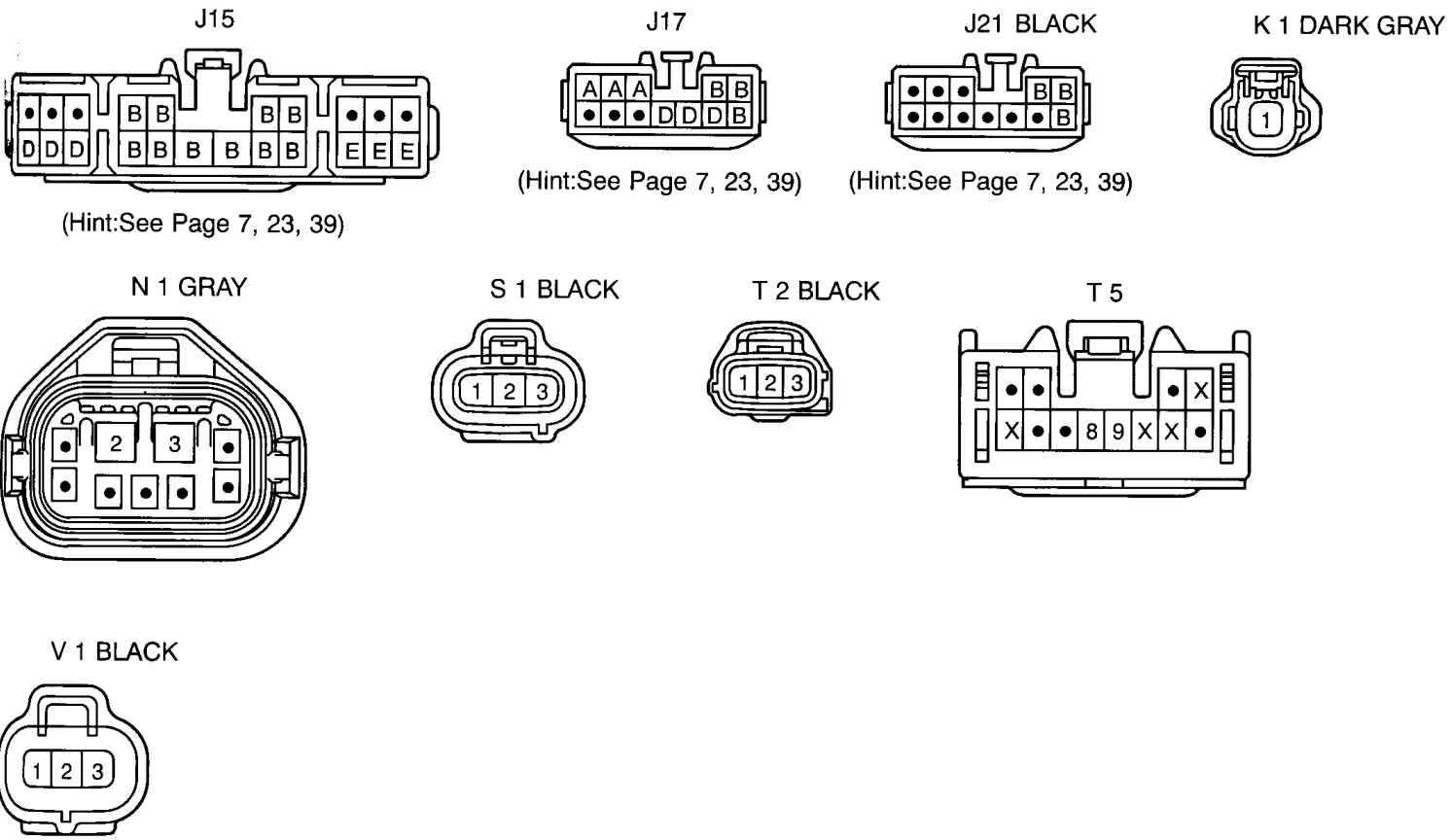
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	124 (LHD 4E-FE)	Engine Wire	I 3	134 (LHD)	Engine Wire
I 2	134 (LHD)				

ENGINE CONTROL(LHD 4E-FE)



(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)



(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine, etc. An outline of is given here.

1. INPUT SIGNALS

- (1) Water temp. signal system
The water temp. sensor detects the engine coolant temp. and has a built-in thermistor with a resistance which varies according to the water temp. Thus the water temp. is input in the form of a control signal to **TERMINAL THW** of the ECU.
- (2) Intake air temp. signal system
The intake air temp. sensor is detects the intake air temp., which is input as a control signal to **TERMINAL THA** of the ECU.
- (3) RPM signal system
Crankshaft position and camshaft position are detected by the TDC sensor and camshaft position sensor. Crankshaft position is input as a control signal to **TERMINAL TDC+** of the ECU, and RPM is input to **TERMINAL NE+**.
- (4) Throttle signal system
The throttle position sensor detects the throttle valve opening angle, which is input as a control signal to **TERMINAL VA** of the ECU, or when the valve is fully closed, to **TERMINAL IDL**.
- (5) Vehicle speed signal system
The speedometer inside the combination meter sends a vehicle speed signal to **TERMINAL SPD** of the ECU as a control signal.
- (6) A/C SW signal system
The operating voltage of the A/C amplifier is detected and input in the form of a control signal to **TERMINAL AC1** of the ECU.
- (7) Battery signal system
Voltage is constantly applied to **TERMINAL BATT** of the ECU. When the ignition SW is turned to on, voltage for ECU operation is applied via the F-HTR relay to **TERMINAL +B** of the ECU.
- (8) STA signal system
To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to **TERMINAL STA** of the ECU.
- (9) Fuel temp. signal system
The fuel temp. sensor is detects the fuel temp., which is input as a control signal to **TERMINAL THF** of the ECU.
- (10) Intake air vacuum signal system
Intake air vacuum is detected by the turbo pressure sensor and is input as a control signal to **TERMINAL PIM** of the ECU.
- (11) Corrective resistance signal system
The injection pump resistor NO. 1 and NO. 2 detect the difference between injection volume and injection timing, which is input as a control signal **TERMINALS VRT** and **VRP** of the ECU.
- (12) Blower SW signal system
The condition (on or off) of the blower SW is input as a control signal to **TERMINAL BLM** of the ECU.

2. CONTROL SYSTEM

- * Fuel injection volume control system
The fuel injection volume control system monitors the engine conditions through the signals (Input signals (1, 2, 3, 4, 5, 9, 10)) input from each sensors to the ECU. ECU has basic data and the program (Memorized in the ECU) and decides the most appropriate fuel injection volume, and outputs the current to the **TERMINAL SPV** of the ECU, causing the spill valve to operate it.
- * Fuel injection timing control system
The fuel injection timing control system monitors the engine conditions through the signals (Input signals (1, 3, 4, 5, 10)) input from each sensors to the ECU. ECU has basic data and the program (Memorized in the ECU) and decides the most appropriate fuel injection timing, and outputs the current to the **TERMINAL TCV** of the ECU, causing the timing control valve to operate it.
- * ISC and blower idle-up control system
The ISC system increases the engine RPM and provides idle stability for fast idle-up when the engine is cold, and when the idle speed has dropped due to the blower operation and etc., the engine ECU evaluates the signals (Input signals from (1, 3, 4, 5, 6, 8, 12)) input from each sensors to the ECU, and outputs the current to the **TERMINAL SPV**, causing to control spill valve.
- * Glow plug relay control system
When the engine starts, the glow plug relay is controlled in response to engine coolant temp. At that time, the engine ECU receives the signals (Input signals (1, 3, 8)), and the current is output to the **TERMINALS SREL** and **GIND**. As a result, the engine ECU controls the glow plug relay and makes the glow indicator light come on.
- * EGR control system
The EGR control system detects the signals from each sensors (Input signals (1, 3, 4, 10)), then the current is output to the **TERMINAL EGR** to control the EGR valve.
- * A/C cut control system
When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
The ECU receives input signals (3, 4, 5, 6 and 10), and outputs signals to **TERMINAL ACT**.

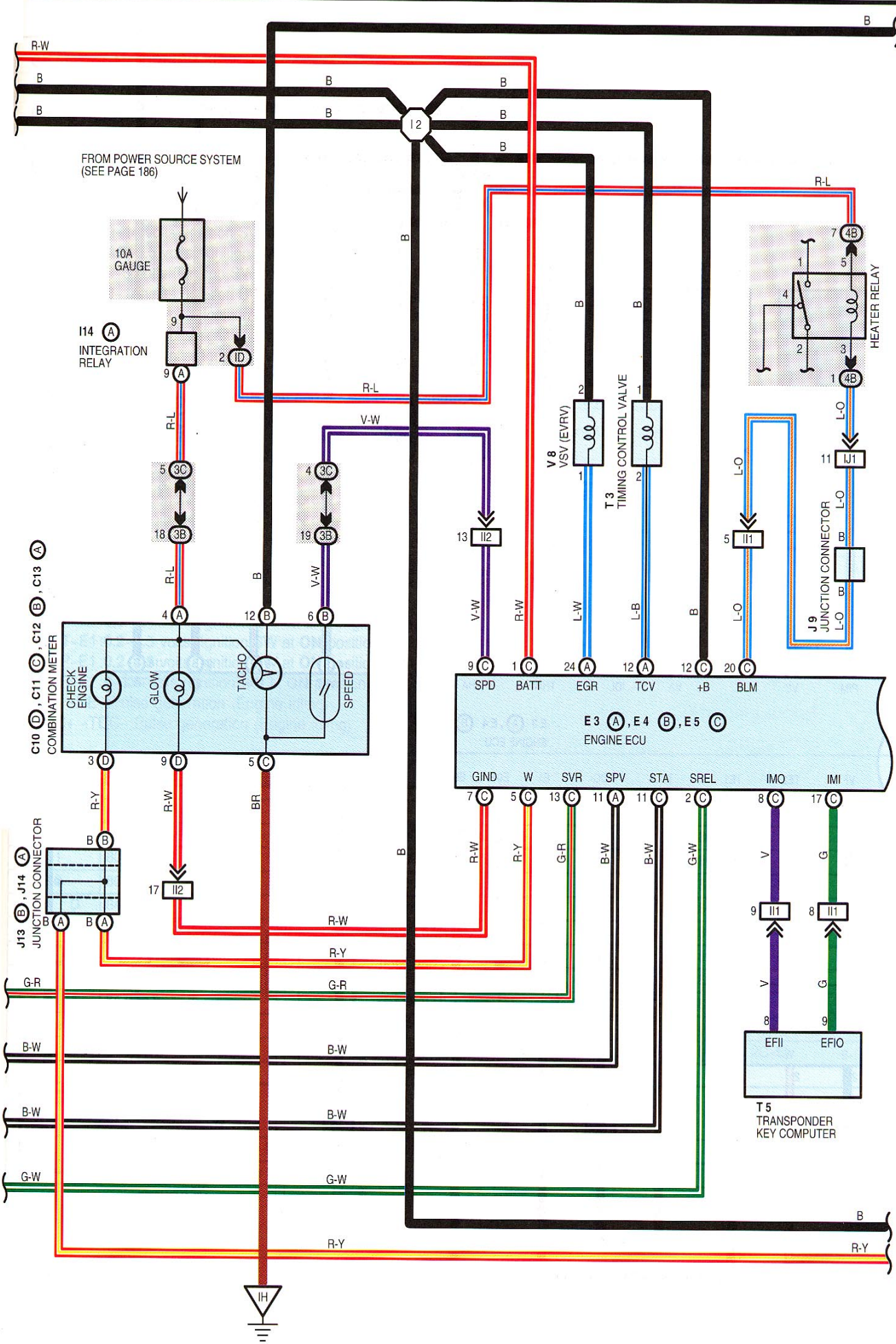
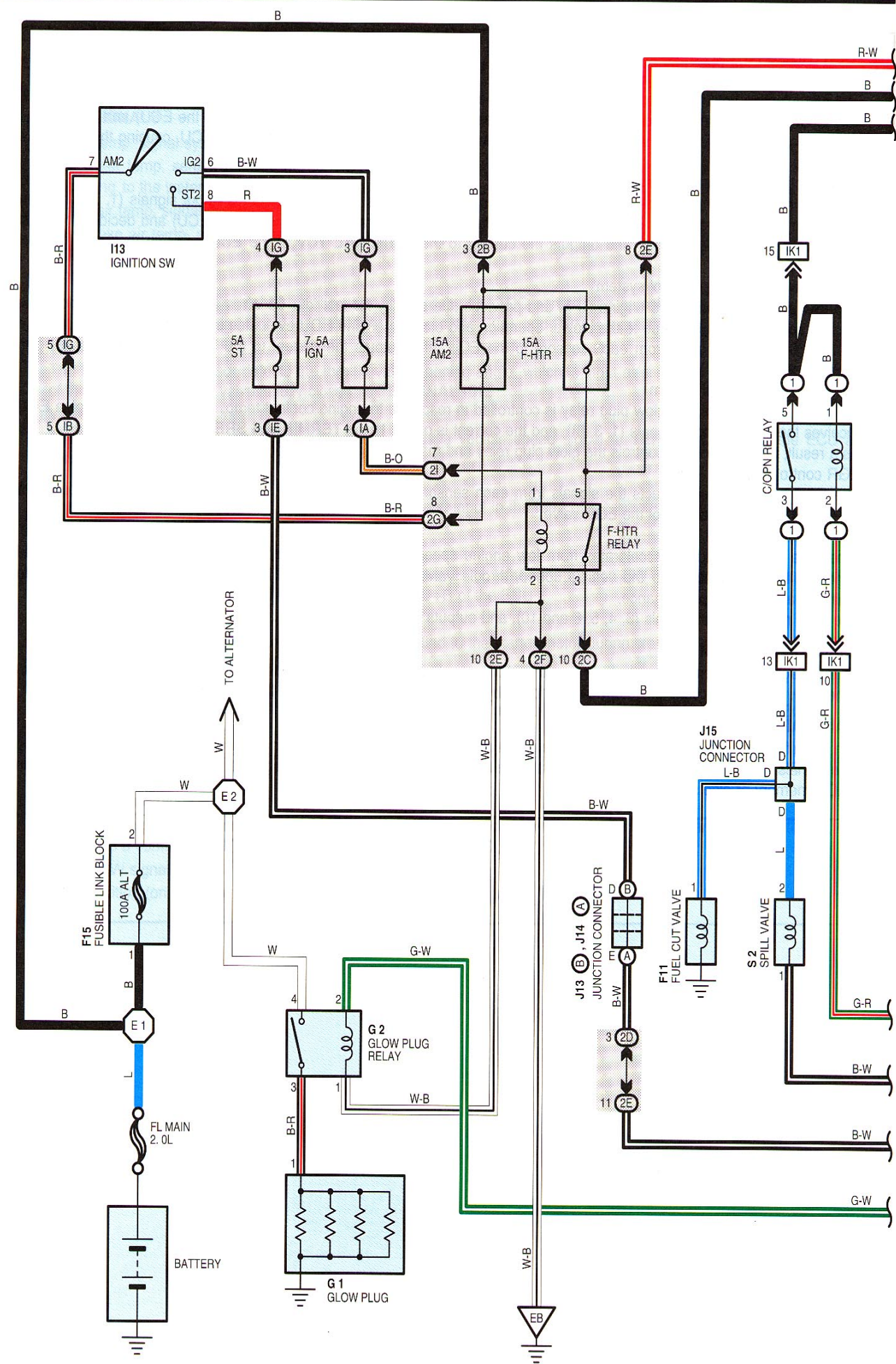
3. DIAGNOSIS SYSTEM

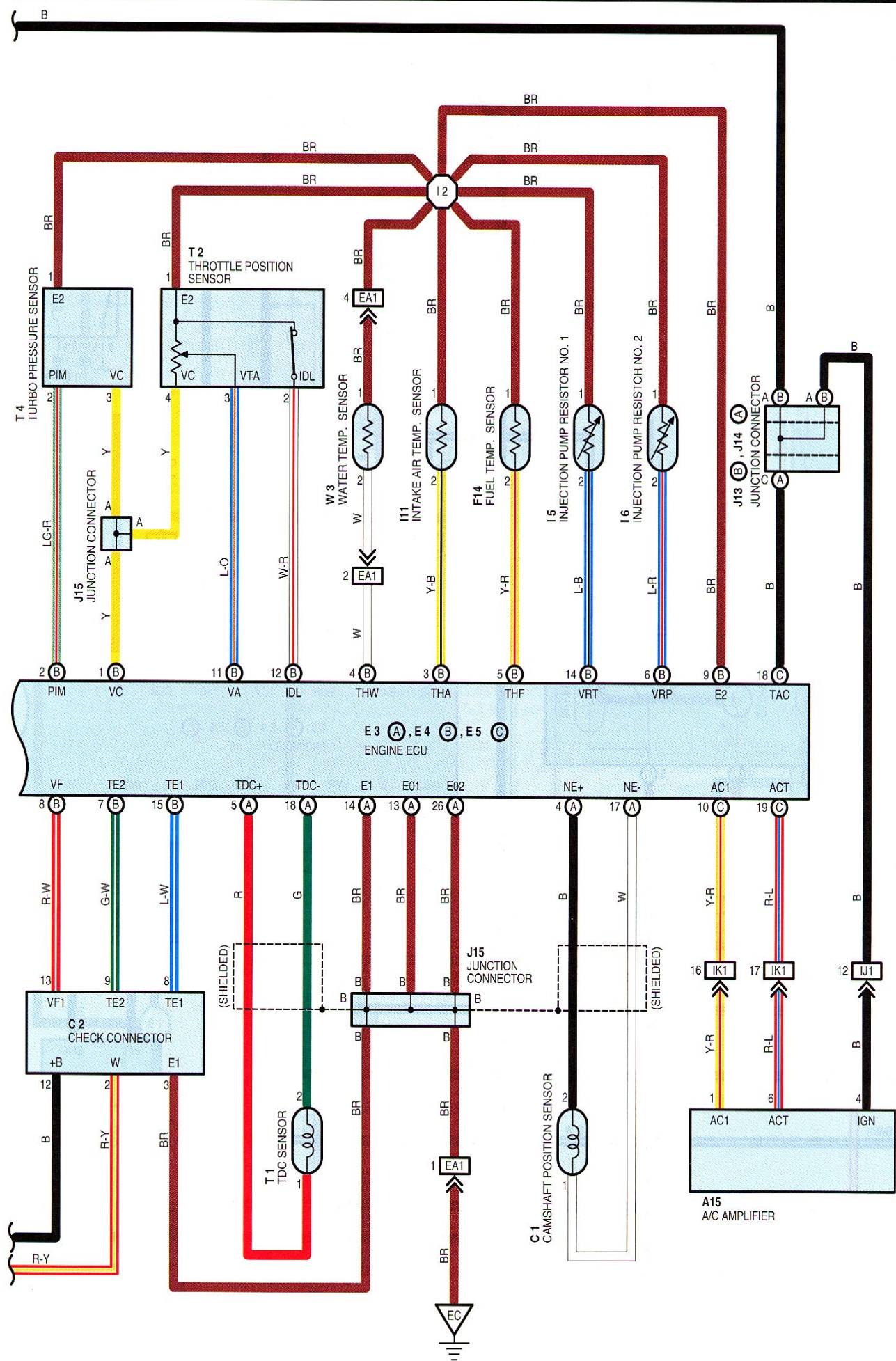
With the diagnosis system, when there is a malfunctioning in the ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

4. FAIL-SAFE SYSTEM

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

ENGINE CONTROL(LHD 2C-E)





SERVICE HINTS

C/OPN RELAY [DRIVER SIDE R/B]

5-3 : Closed with the starter running and the engine running

F-HTR RELAY

5-3 : Closed with the ignition SW at ON or ST position

E 3 (A), E 4 (B), E 5 (C) ENGINE ECU

Voltage at ECU wiring connectors

BATT-E1:Always 9-14 volts

+B-E1 :9-14 volts (Ignition SW at ON position)

VC-E1 :4.5-5.5 volts (Ignition SW at ON position)

IDL-E1 :0-3 volts (Ignition SW on and throttle valve fully closed)

:9-14 volts (Ignition SW on and throttle valve fully open)

VA-E1 :0.3-0.8 volts (Ignition SW on and throttle valve fully closed)

:3.2-4.9 volts (Ignition SW on and throttle valve fully open)

PIM-E1 :3.3-3.9 volts (Ignition SW at ON position)

THA-E1 :0.5-3.4 volts (Engine idling and intake air temp. 0-80°C, 32-176°F)

THW-E1 :0.2-1.0 volts (Engine idling and engine coolant temp. 60-120°C, 140-248°F)

STA-E1 :6-14 volts (Engine cranking)

W-E1 :9-14 volts (Engine idling and warning light off)

AC1-E1 :9-14 volts (Ignition SW on and A/C SW off)

ACT-E1 :4.5-5.5 volts (Ignition SW on and A/C SW on)

SPD-E1 :Pulse generation (Driving approx. 20 km/h)

EGR-E1 :9-14 volts (Ignition SW at ON position)

TCV-E1 :9-14 volts (Ignition SW at ON position)

GIND-E1 :9-14 volts (Engine idling and warning light off)

SPV-E1 :Pulse generation (Engine idling)

SREL-E1 :9-14 volts (Engine cranking)

THF-E1 :0.5-3.4 volts (Ignition SW on and engine cool lange)

VRT-E1 :0.2-4.5 volts (Ignition SW at ON position)

VRP-E1 :0.2-4.5 volts (Ignition SW at ON position)

SVR-E1 :0-1.5 volts (Ignition SW at ON position)

NE+ -NE- :Pulse generation (Engine idling)

TDC+ -TDC- :Pulse generation (Engine idling)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A15	84 (LHD)	F14	80 (LHD 2C-E)	J14	A 86 (LHD)
C 1	80 (LHD 2C-E)	F15	80 (LHD 2C-E)	J15	86 (LHD)
C 2	80 (LHD 2C-E)	G 1	80 (LHD 2C-E)	S 2	80 (LHD 2C-E)
C10	D 84 (LHD)	G 2	80 (LHD 2C-E)	T 1	80 (LHD 2C-E)
C11	C 84 (LHD)	I 5	80 (LHD 2C-E)	T 2	80 (LHD 2C-E)
C12	B 84 (LHD)	I 6	80 (LHD 2C-E)	T 3	80 (LHD 2C-E)
C13	A 84 (LHD)	I11	80 (LHD 2C-E)	T 4	80 (LHD 2C-E)
E 3	A 84 (LHD)	I13	84 (LHD)	T 5	86 (LHD)
E 4	B 84 (LHD)	I14	A 84 (LHD)	V 8	80 (LHD 2C-E)
E 5	C 84 (LHD)	J 9	86 (LHD)	W 3	80 (LHD 2C-E)
F11	80 (LHD 2C-E)	J13	B 86 (LHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
2B		
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2D		
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		
4B	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	128 (LHD 2C-E)	Engine Wire and Engine No.4 Wire (Near the Starter)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2		
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

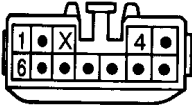
 : GROUND POINTS

Code	See Page	Ground Points Location
EB	128 (LHD 2C-E)	Front Side of Left Fender
EC	128 (LHD 2C-E)	Intake Manifold
IH	132 (LHD)	Instrument Panel Brace RH

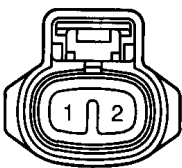
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	128 (LHD 2C-E)	Engine Wire	I 2	134 (LHD)	Engine Wire
E 2					

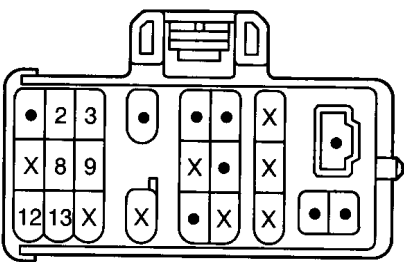
A15 BLACK



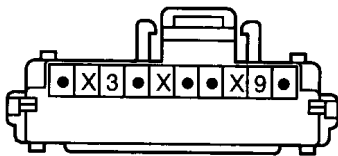
C 1 GARY



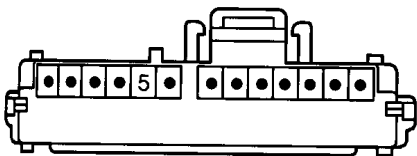
C 2 BLACK



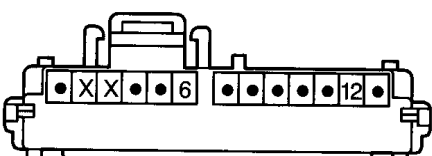
C10 (D) GRAY



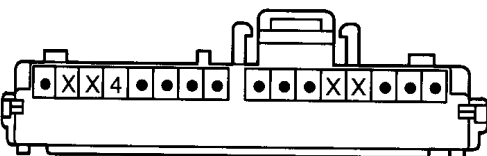
C11 (C) BLUE



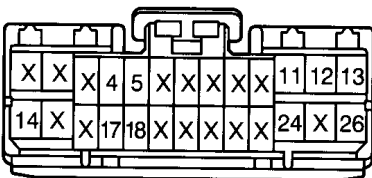
C12 (B) BROWN



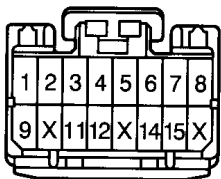
C13 (A)



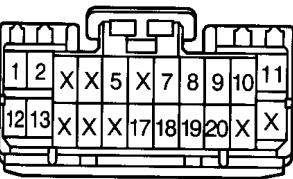
E 3 (A) DARK GRAY



E 4 (B) DARK GRAY



E 5 (C) DARK GRAY



F11 GRAY

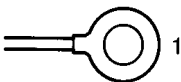


F14 DARK GRAY

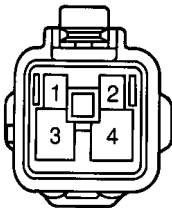


F15
(See Page 64)

G 1



G 2 GRAY



I 5 DARK GRAY



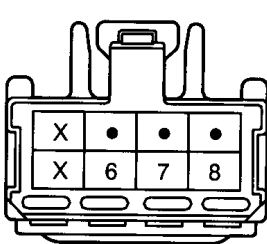
I 6 BROWN



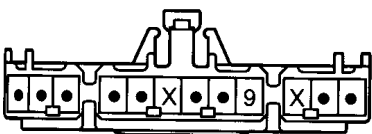
I11 BLACK



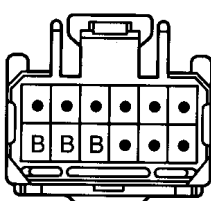
I13



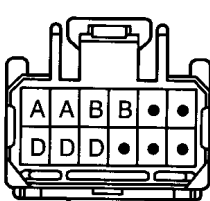
I14 (A)



J 9 GRAY

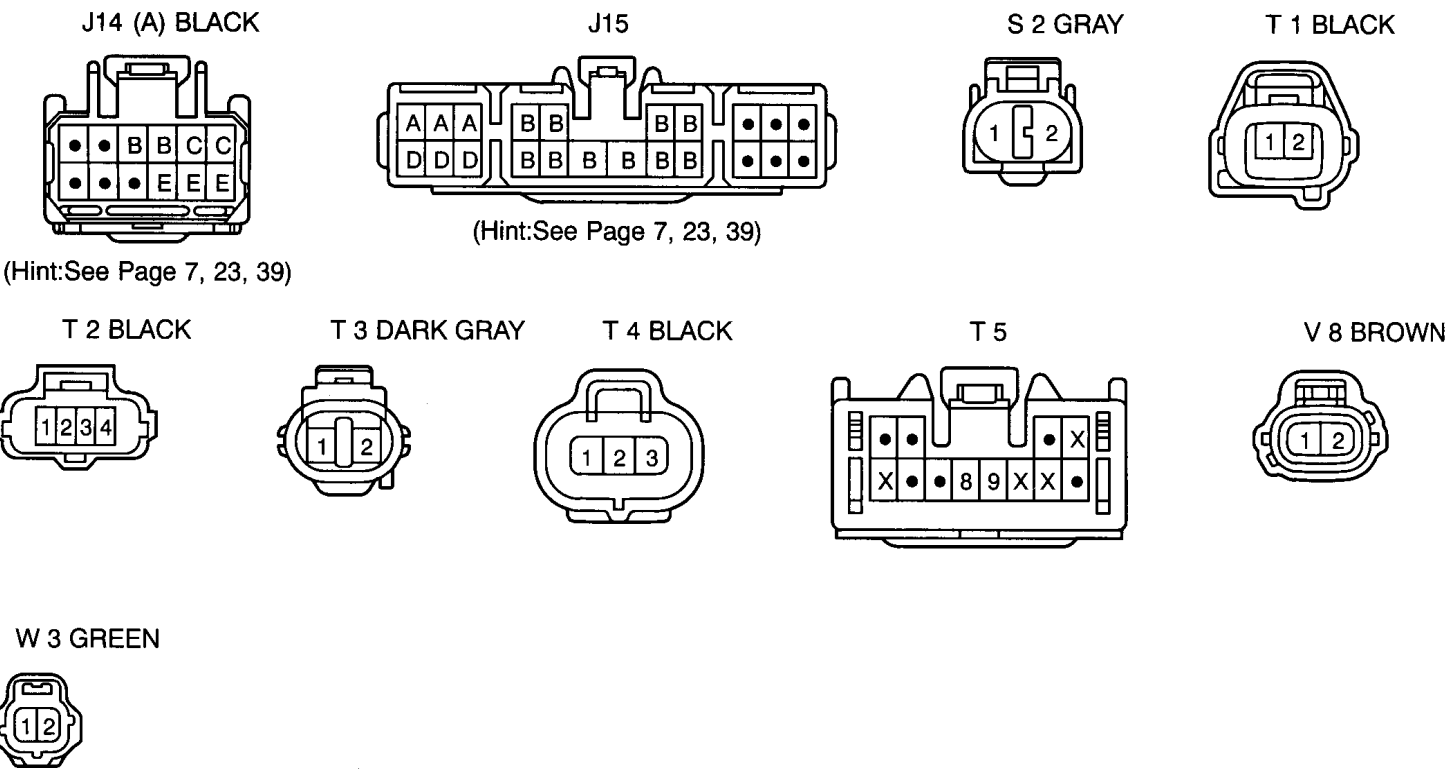


J13 (B) BLACK

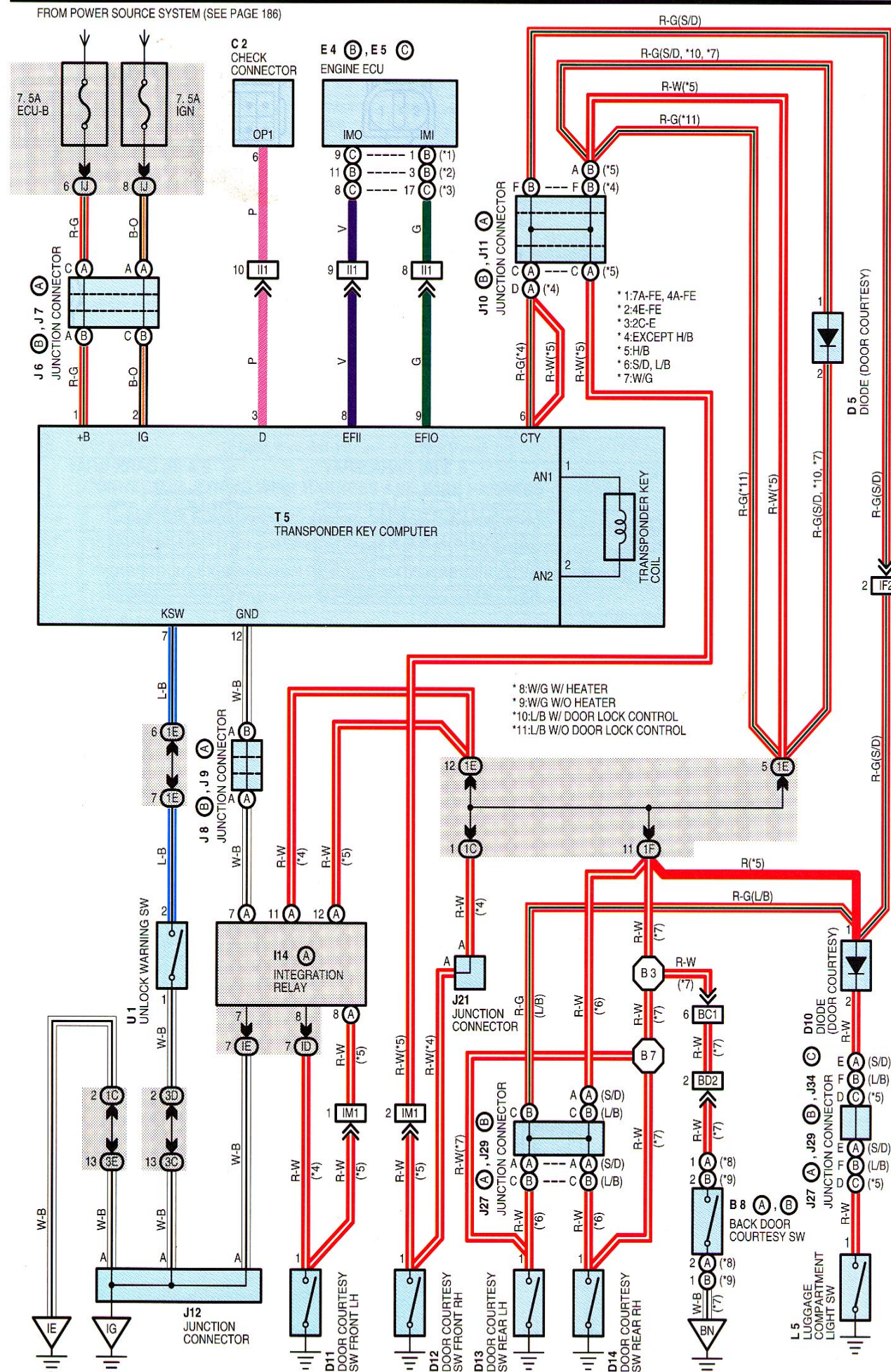


(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)



ENGINE IMMOBILISER SYSTEM(LHD)



SERVICE HINTS

T 5 TRANSPONDER KEY COMPUTER

- 1-GROUND: Always approx. **12** volts
 2-GROUND: Approx. **12** volts with the ignition SW at **ON** position
 6-GROUND: Continuity with each of the doors opened
 7-GROUND: Continuity with the ignition key in cylinder
 12-GROUND: Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page	
B 8	A	94 (LHD W/G)	D12		90 (LHD L/B)	J 9	A	86 (LHD)	
	B	94 (LHD W/G)				92 (LHD H/B)	J10	B	86 (LHD)
C 2		70 (LHD 7A-FE)				94 (LHD W/G)	J11	A	86 (LHD)
		72 (LHD 4A-FE)	D13		88 (LHD S/D)	J12		84 (LHD)	
		74 (LHD 4E-FE)				90 (LHD L/B)	J21		86 (LHD)
		80 (LHD 2C-E)				94 (LHD W/G)	J27	A	88 (LHD S/D)
D 5		84 (LHD)	D14		88 (LHD S/D)	J29	B	90 (LHD L/B)	
D10		88 (LHD S/D)				90 (LHD L/B)	J34	C	92 (LHD H/B)
		90 (LHD L/B)				94 (LHD W/G)	L 5		88 (LHD S/D)
		92 (LHD H/B)		E 4	B	84 (LHD)			90 (LHD L/B)
D11		88 (LHD S/D)	E 5	C	84 (LHD)	T 5		92 (LHD H/B)	
		90 (LHD L/B)	I14	A	86 (LHD)			86 (LHD)	
		92 (LHD H/B)	J 6	B	86 (LHD)	U 1		86 (LHD)	
		94 (LHD W/G)	J 7	A	86 (LHD)				
D12		88 (LHD S/D)	J 8	B	86 (LHD)				

D : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ		
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3D		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)
BC1	142 (LHD W/G)	Back Door No. 1 Wire and Floor Wire (Right Kick Panel)
BD2	142 (LHD W/G)	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Right)

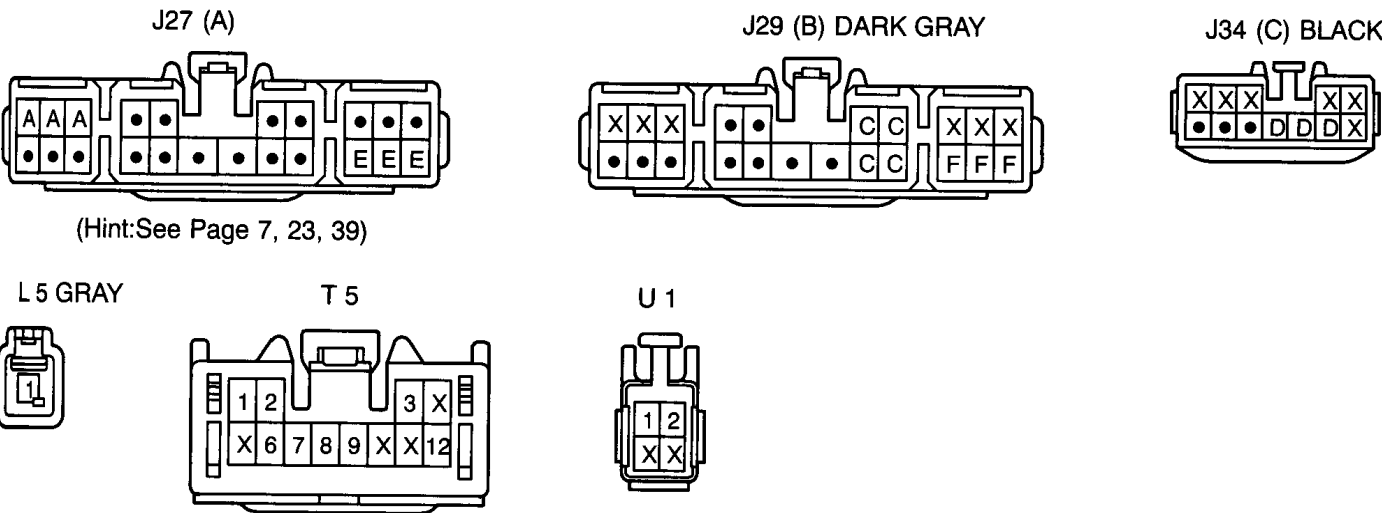
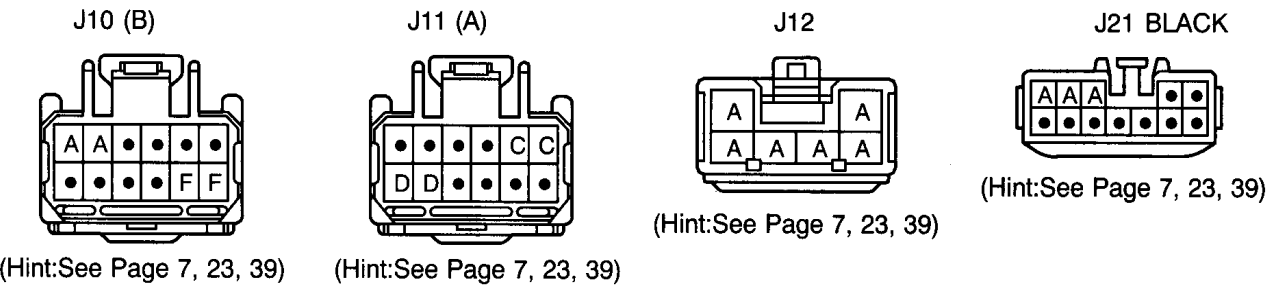
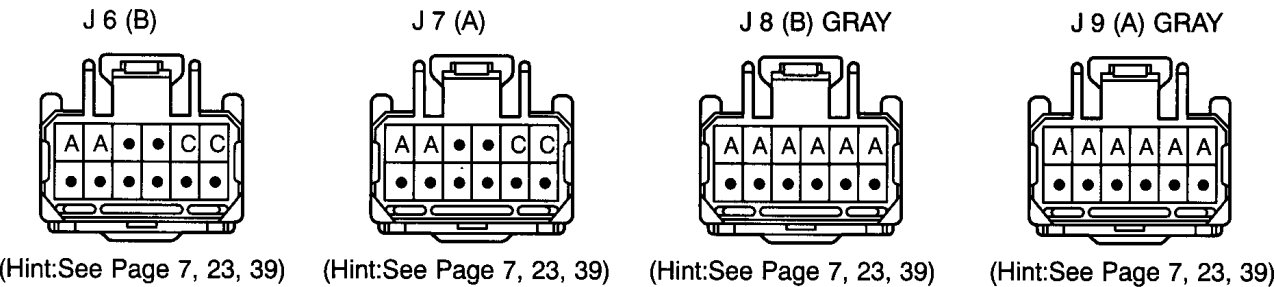
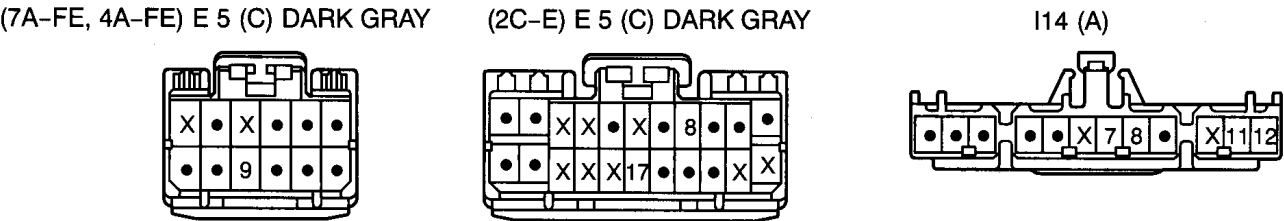
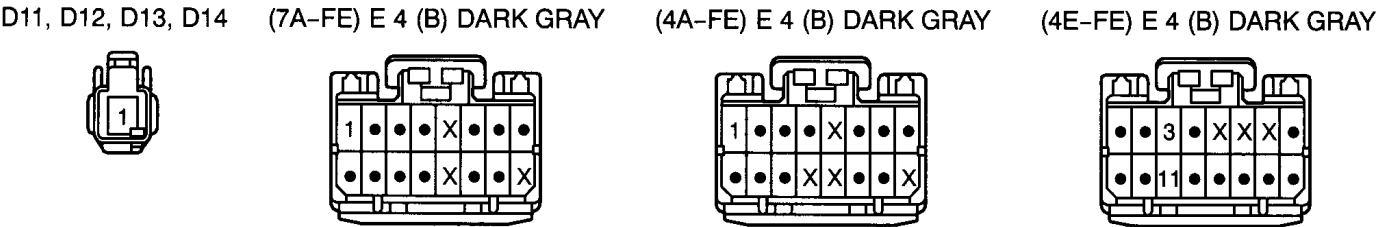
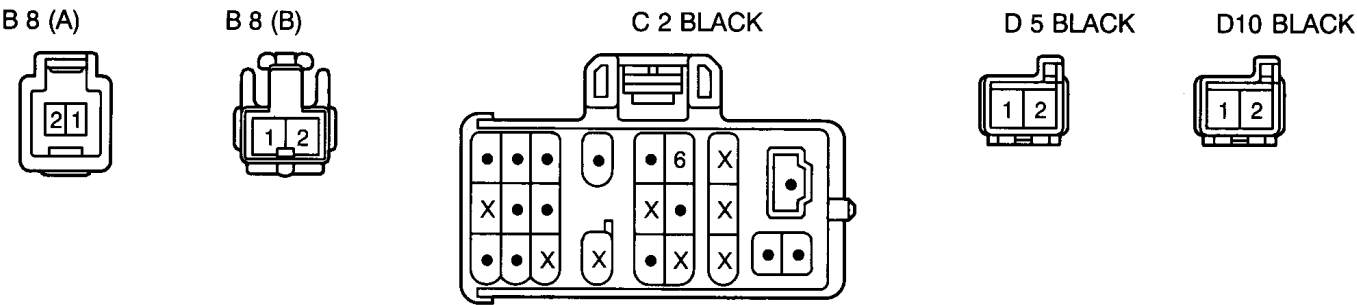
 : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
BN	142 (LHD W/G)	Back Door LH

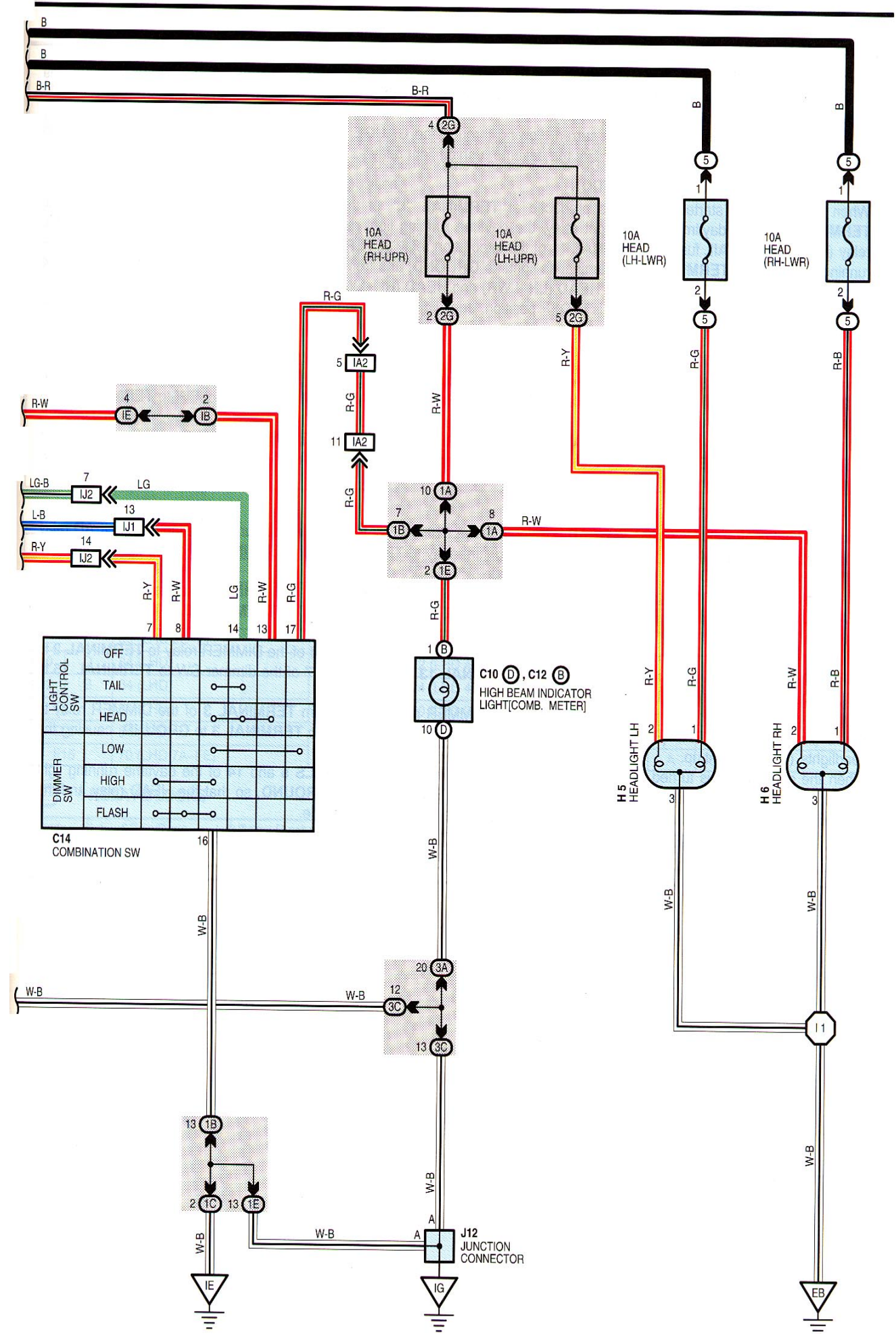
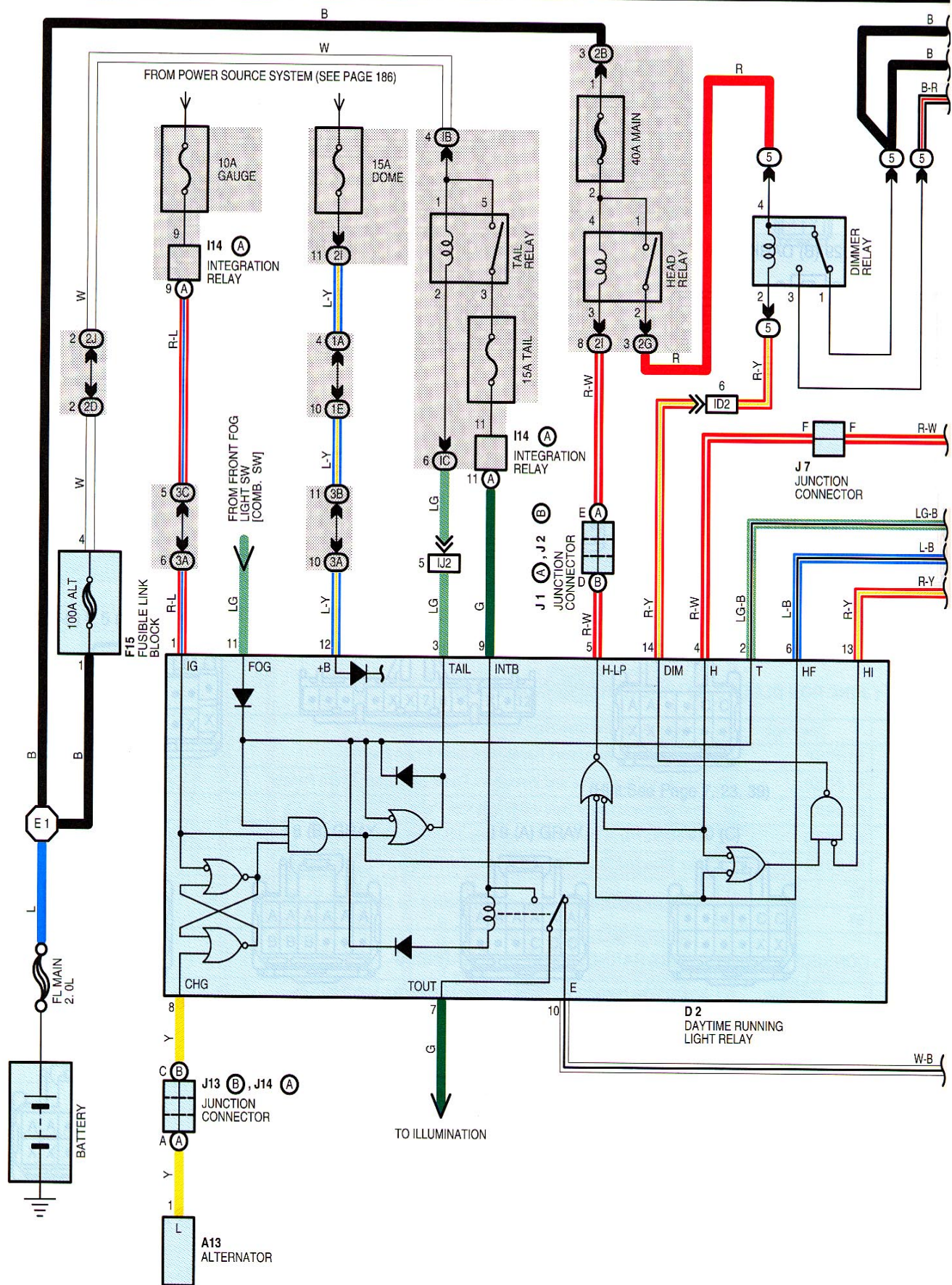
ENGINE IMMOBILISER SYSTEM(LHD)

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 3	142 (LHD W/G)	Floor Wire	B 7	142 (LHD W/G)	Floor Wire



HEADLIGHT(LHD w/ DAYTIME RUNNING LIGHT)



SYSTEM OUTLINE

Current from the battery is always flowing from the **ALT** fuse to TAIL relay (Coil side) to **TERMINAL 3** of the daytime running light relay, **MAIN** fuse to HEAD relay (Coil side) to **TERMINAL 5** of the daytime running light relay, and **DOVE** fuse to **TERMINAL 12** of the daytime running light relay.

When the ignition SW is turned on, the current flowing through the **GAUGE** fuse flows to **TERMINAL 9** of the integration relay to **TERMINAL (A) 9** to **TERMINAL 1** of the daytime running light relay.

1. DAYTIME RUNNING LIGHT OPERATION

When the engine is started, voltage is produced at **TERMINAL "L"** of the alternator and when voltage is applied to **TERMINAL 8** of the daytime running light relay, the daytime running light relay operates and current flows from the TAIL relay (Point side) to **TAIL** fuse to **TERMINAL 11** of the integration relay to **TERMINAL (A) 11** to **TERMINAL 9** of the daytime running light relay to **TERMINAL 7** to illumination lights to **GROUND**, and from the HEAD relay (Point side) to **TERMINAL 4** of the DIMMER relay to **TERMINAL 1** to **HEAD (LH-LWR)** and **HEAD (RH-LWR)** fuses to headlights to **GROUND**.

Accordingly, even if the light control SW is in **OFF** position, each light mentioned here light up. This system operates until the ignition SW is turned off.

2. TAILLIGHT OPERATION

When the light control SW is turned to the **TAIL** position, current flowing to the TAIL relay (Coil side) always flows to **TERMINAL 3** of the daytime running light relay to **TERMINAL 2** to **TERMINAL 14** of the light control SW to **TERMINAL 16** to **GROUND**, turning the TAIL relay on.

This causes the current flowing the the TAIL relay (Point side) to **TAIL** fuse to **TERMINAL 11** of the integration relay to **TERMINAL (A) 11** to **TERMINAL 9** of the daytime running light relay to **TERMINAL 7** to illumination lights to **GROUND**, causing the taillight to light up.

3. HEADLIGHT OPERATION

When the light control SW is turned to **HEAD** position and the dimmer SW to low side, the current flowing to the HEAD relay (Coil side) flows to **TERMINAL 5** of the daytime running light relay to **TERMINAL 4** to **TERMINAL 13** of the light control SW to **TERMINAL 16** to **GROUND**, turning the HEAD relay on.

This causes the current flowing to the HEAD relay (Point side) to **TERMINAL 4** of the DIMMER relay to **TERMINAL 1** to **HEAD (LH-LWR)** and **HEAD (RH-LWR)** fuses to **TERMINAL 1** of the headlights to **TERMINAL 3** to **GROUND**, so the headlights (LWR) light up.

When the dimmer SW is switched to the high side, current flows from **TERMINAL 4** of the DIMMER relay to **TERMINAL 2** to **TERMINAL 14** of the daytime running light relay to **TERMINAL 13** to **TERMINAL 7** of the dimmer SW to **TERMINAL 16** to **GROUND**, turning the DIMMER relay on.

This causes the current flowing to **TERMINAL 4** of the DIMMER relay to flow from **TERMINAL 3** of the DIMMER relay to **HEAD (LH-UPR)** and **HEAD (RH-UPR)** fuses to **TERMINAL 2** of the headlights to **TERMINAL 3** to **GROUND**, causing the headlights (UPR) to light up.

When the dimmer SW is turned to **FLASH** position, current flows from **TERMINALS 5** and **14** of the daytime running light relay to **TERMINAL 6** to **TERMINAL 8** of the dimmer SW to **TERMINAL 16** to **GROUND**, so that the HEAD relay and the DIMMER relay ate activated in that order are the headlights change to flashing mode.

When the headlights ate light up (with the exception of flashing mode), the taillights are lighted up as described in part 2 earlier.

SERVICE HINTS

HEAD RELAY

1-2 : Closed with the light control SW at **HEAD** position or the dimmer SW at **FLASH** position

DIMMER RELAY [ENGINE ROOM R/B]

1-4 : Closed with the light control SW at **HEAD** position and the dimmer SW at **LOW** position
4-3 : Closed with the light control SW at **HEAD** position and the dimmer SW at **HIGH** position
Closed with the dimmer SW at **FLASH** position

C14 LIGHT CONTROL SW [COMB. SW]

13-16 : Closed with the light control SW at **HEAD** position
14-16 : Closed with the light control SW at **TAIL** or **HEAD** position

C14 DIMMER SW [COMB. SW]

7-16 : Closed with the dimmer SW at **HIGH** or **FLASH** position
8-16 : Closed with the dimmer SW at **FLASH** position

D 2 DAYTIME RUNNING LIGHT RELAY

10-GROUND : Always continuity
4-GROUND : Continuity with the light control SW at **HEAD** position
2-GROUND : Continuity with the light control SW at **TAIL** or **HEAD** position
12-GROUND : Always approx. **12** volts
1-GROUND : Approx. **12** volts with the ignition SW at **ON** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A13		70 (LHD 7A-FE)	F15		72 (LHD 4A-FE)	H 6		74 (LHD 4E-FE)
		72 (LHD 4A-FE)			74 (LHD 4E-FE)			80 (LHD 2C-E)
		74 (LHD 4E-FE)			80 (LHD 2C-E)	I14	A	84 (LHD)
		80 (LHD 2C-E)			70 (LHD 7A-FE)	J 1	A	86 (LHD)
C10	D	84 (LHD)	H 5		72 (LHD 4A-FE)	J 2	B	86 (LHD)
C12	B	84 (LHD)			74 (LHD 4E-FE)	J 7		86 (LHD)
C14		84 (LHD)			80 (LHD 2C-E)	J12		86 (LHD)
D 2		84 (LHD)			70 (LHD 7A-FE)	J13	B	86 (LHD)
F15		70 (LHD 7A-FE)	H 6		72 (LHD 4A-FE)	J14	A	86 (LHD)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

HEADLIGHT(LHD w/ DAYTIME RUNNING LIGHT)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2D		
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
2J		
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

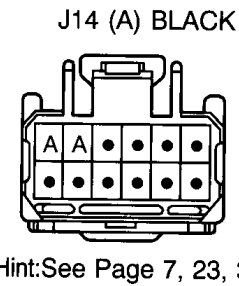
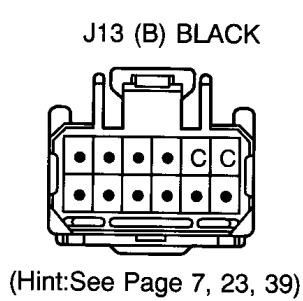
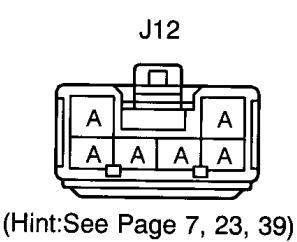
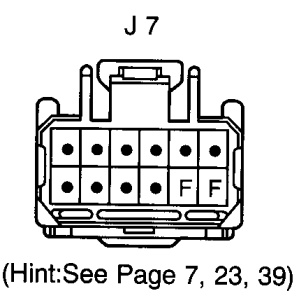
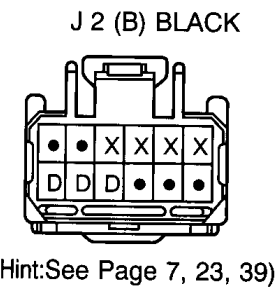
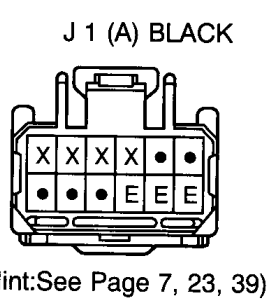
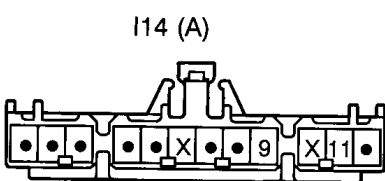
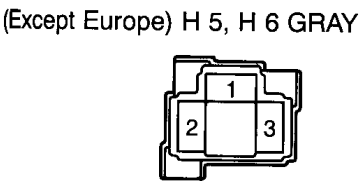
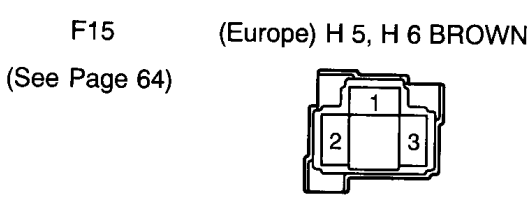
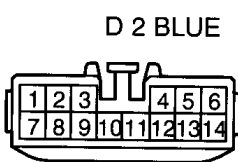
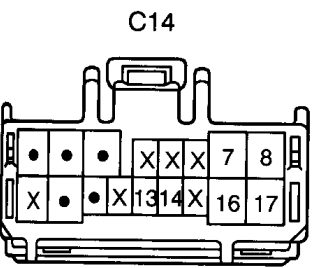
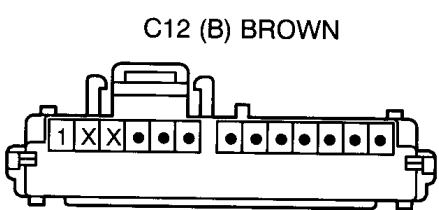
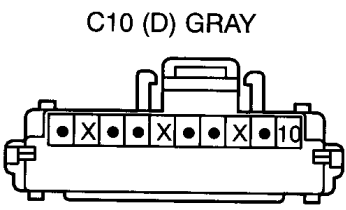
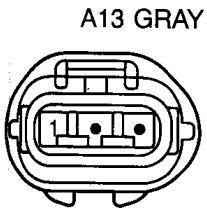
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
ID2	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2		

 : GROUND POINTS

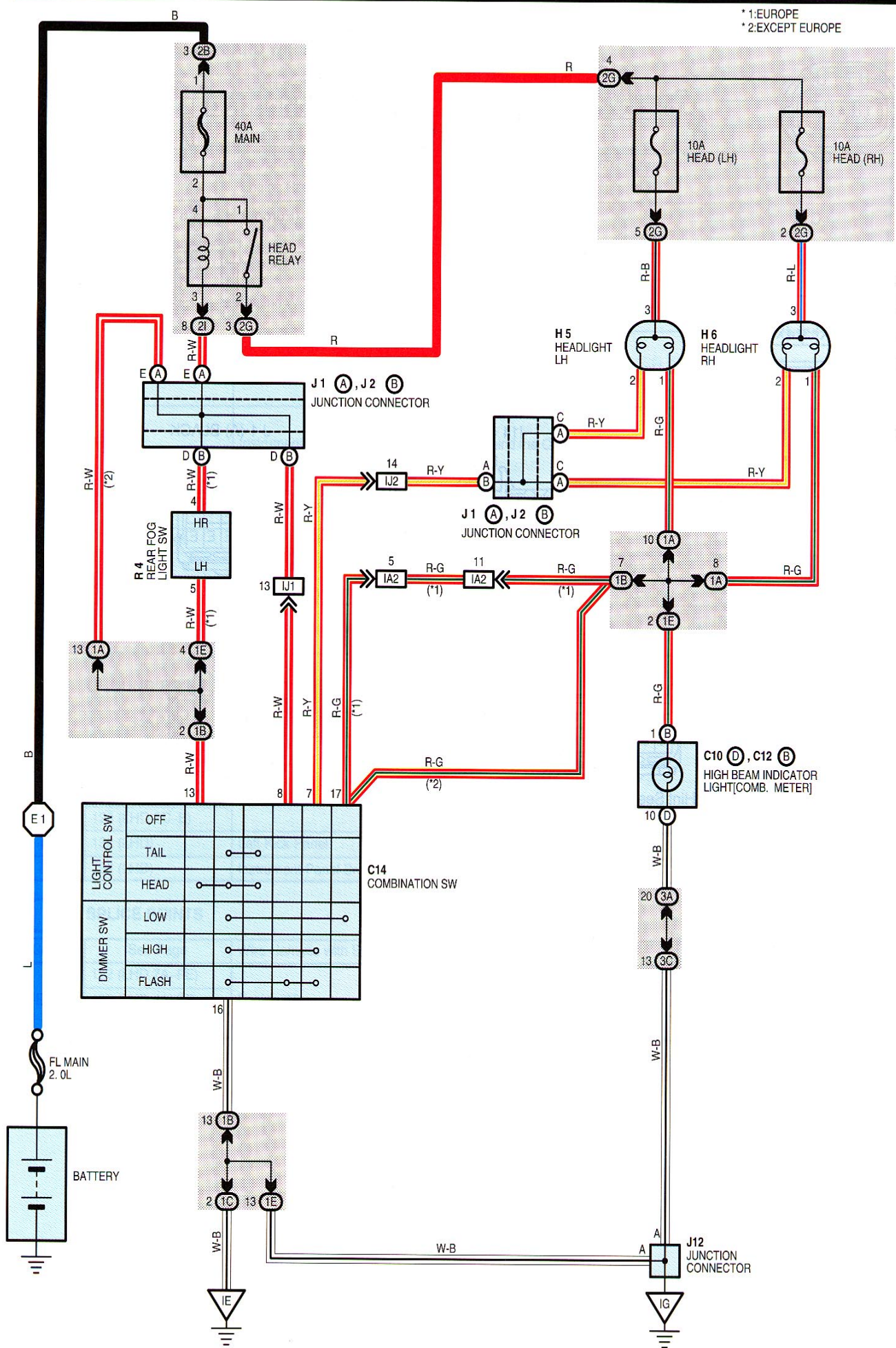
Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	123 (LHD 4A-FE)		I 1	134 (LHD)	Engine Room Main Wire
	124 (LHD 4E-FE)				



HEADLIGHT(LHD w/o DAYTIME RUNNING LIGHT)



SERVICE HINTS

HEAD RELAY

1-2: Closed with the light control SW at **HEAD** position or the dimmer SW at **FLASH** position

C14 COMBINATION SW

7-16: Closed with the dimmer SW at **HIGH** or **FLASH** position

8-16: Closed with the dimmer SW at **FLASH** position

13-16: Closed with the light control SW at **HEAD** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C10	D	84 (LHD)		H 5	78 (LHD 2E)
C12	B	84 (LHD)			80 (LHD 2C-E)
C14		84 (LHD)			82 (LHD 2C)
		70 (LHD 7A-FE)		H 6	70 (LHD 7A-FE)
		72 (LHD 4A-FE)			72 (LHD 4A-FE)
		74 (LHD 4E-FE)			74 (LHD 4E-FE)
		76 (LHD 4A-F)			76 (LHD 4A-F)
				J 1	A
					86 (LHD)
				J 2	B
					86 (LHD)
				J12	
					86 (LHD)
				R 4	
					86 (LHD)

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2		

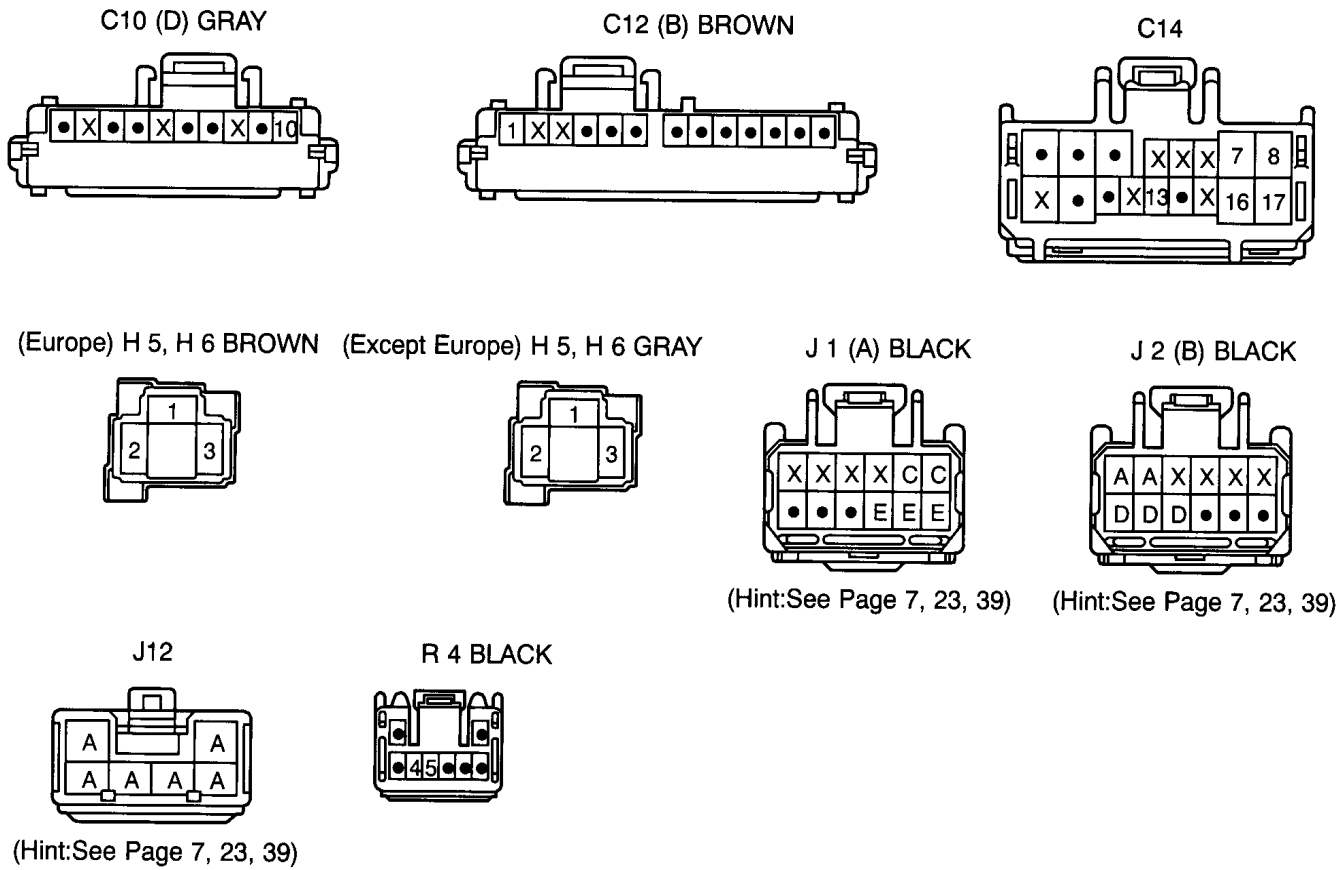
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

○ : SPLICE POINTS

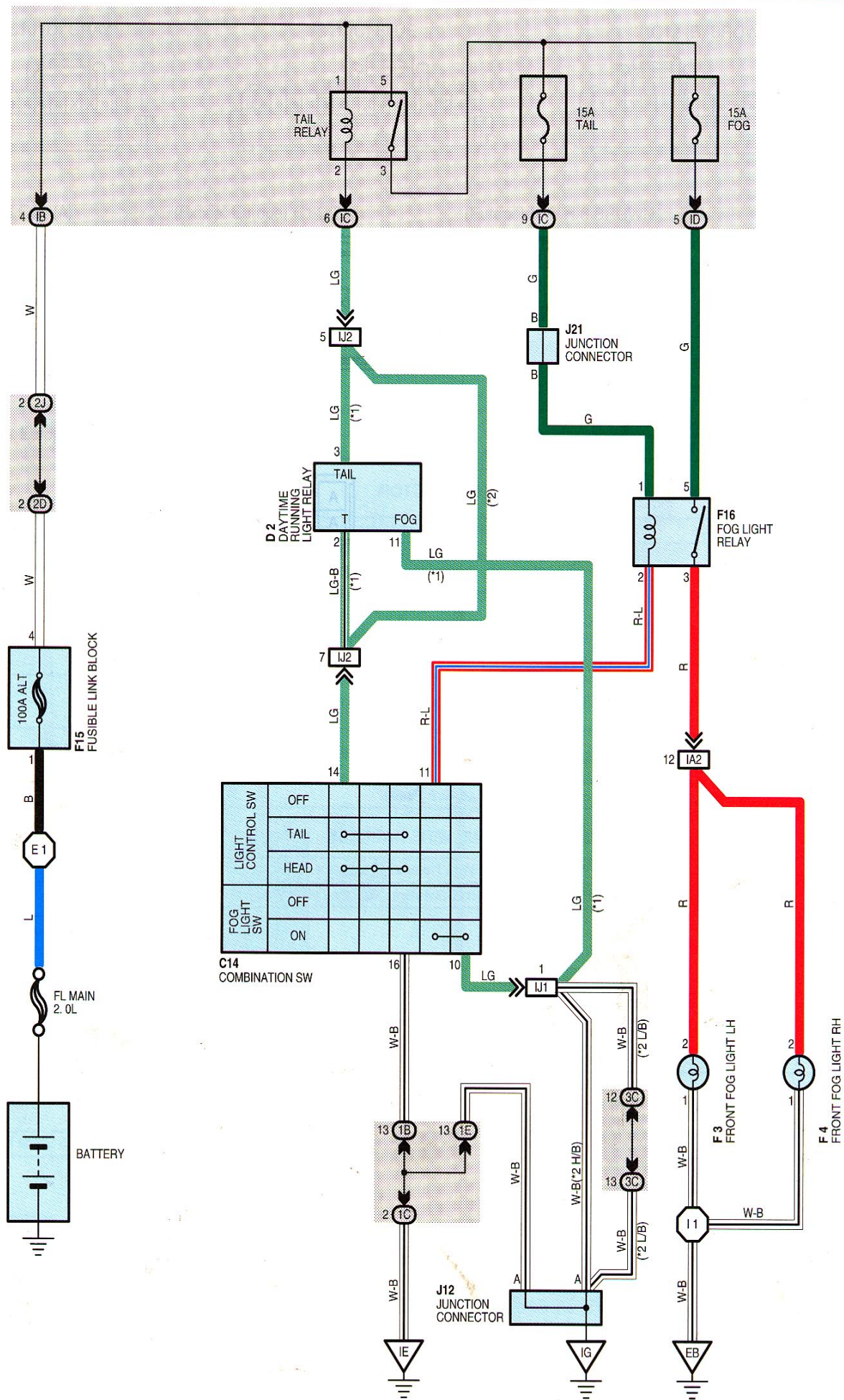
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)		E 1	126 (LHD 2E)	
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				

HEADLIGHT(LHD w/o DAYTIME RUNNING LIGHT)



FRONT FOG LIGHT(LHD)

* 1:W/ DAYTIME RUNNING LIGHT
* 2:W/O DAYTIME RUNNING LIGHT



SERVICE HINTS

F16 FOG LIGHT RELAY

5-3 : Closed with the light control SW at **TAIL** or **HEAD** position and the fog light SW at **ON** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	84 (LHD)	F 4	72 (LHD 4A-FE)	F15	80 (LHD 2C-E)
D 2	84 (LHD)		74 (LHD 4E-FE)	F16	84 (LHD)
F 3	72 (LHD 4A-FE)		80 (LHD 2C-E)	J12	86 (LHD)
	74 (LHD 4E-FE)	F15	72 (LHD 4A-FE)	J21	86 (LHD)
	80 (LHD 2C-E)		74 (LHD 4E-FE)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2D	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2J	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)

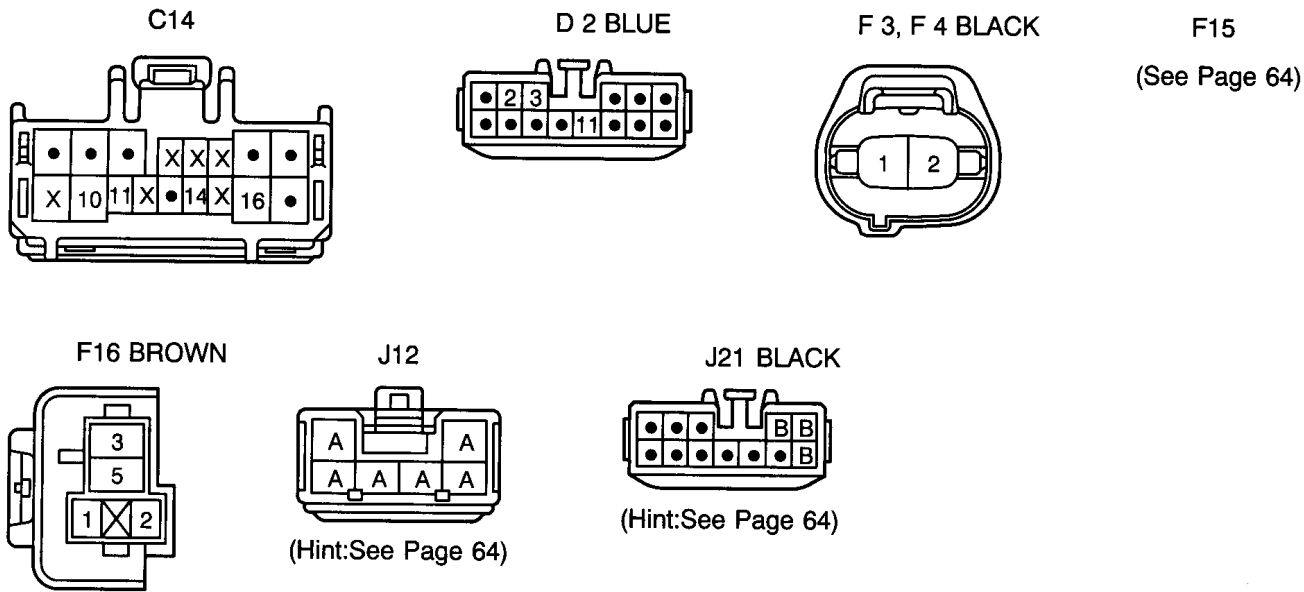
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	123 (LHD 4A-FE)	Front Side of Left Fender
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

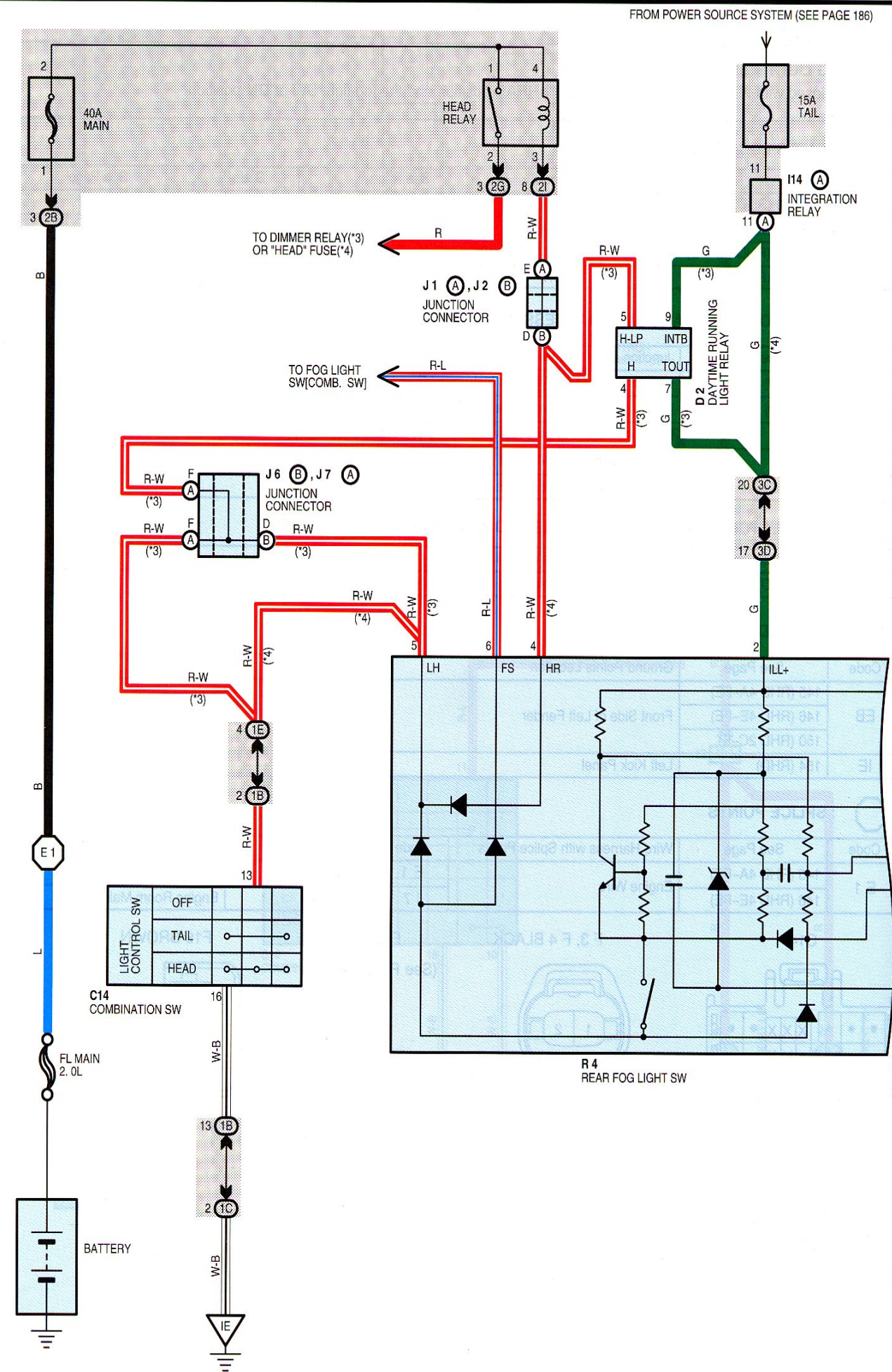
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	123 (LHD 4A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	124 (LHD 4E-FE)		I 1	134 (LHD)	Engine Room Main Wire

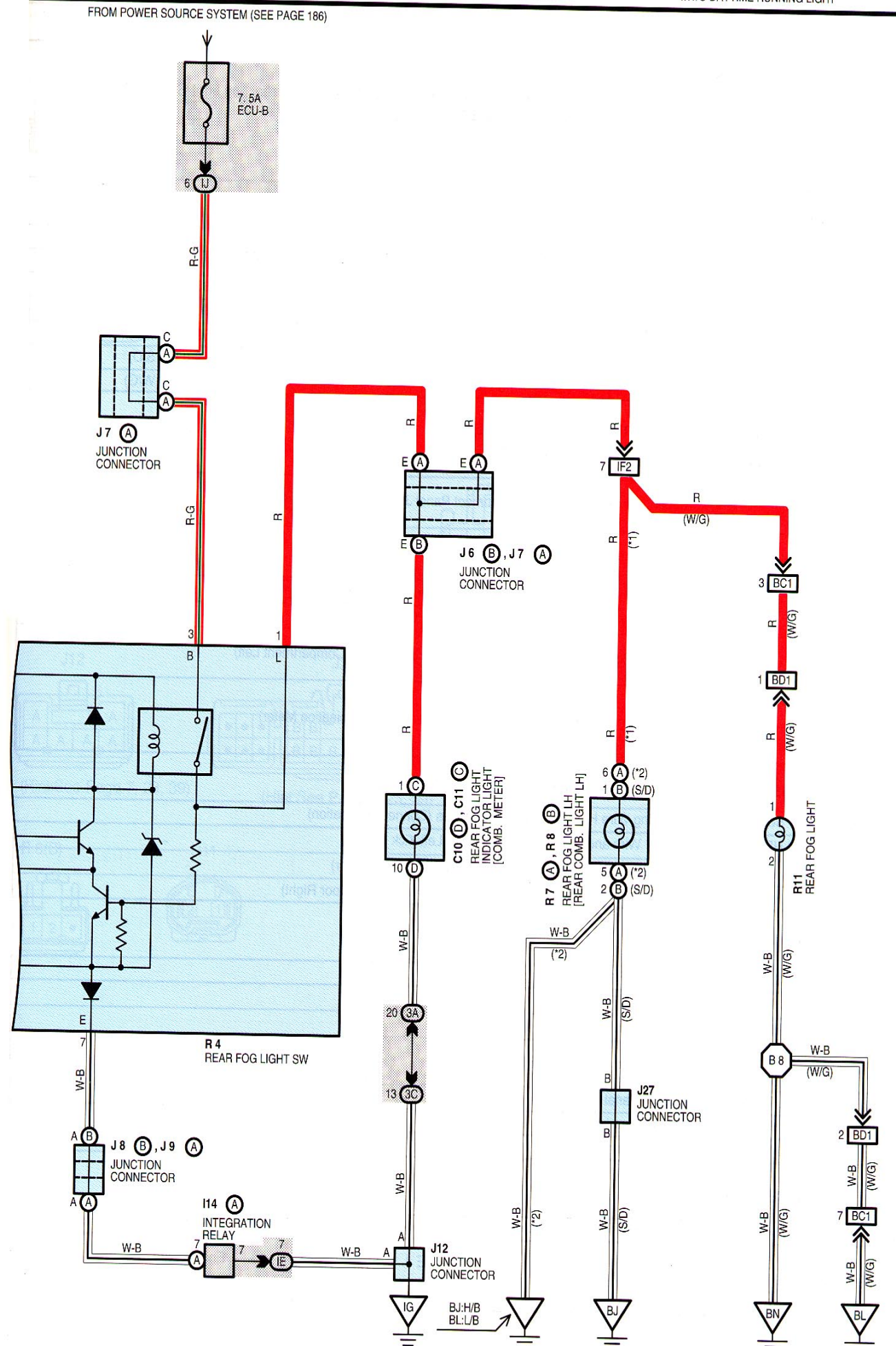
FRONT FOG LIGHT(LHD)



REAR FOG LIGHT(LHD)



* 1:EXCEPT W/G
* 2:L/B, H/B
* 3:W/ DAYTIME RUNNING LIGHT
* 4:W/O DAYTIME RUNNING LIGHT



REAR FOG LIGHT(LHD)

SERVICE HINTS

R 4 REAR FOG LIGHT SW

- 1-GROUND: Approx. 12 volts with the light control SW at **HEAD** or **TAIL** position and the rear fog light SW at **ON** position
- 2-GROUND: Approx. 12 volts with the light control SW at **HEAD** or **TAIL** position
- 7-GROUND: Always continuity
- 3, 4, 5-GROUND: Always approx. 12 volts

⊙ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C10	D 84 (LHD)	J 2	B 86 (LHD)	J27	88 (LHD S/D)
C11	C 84 (LHD)	J 6	B 86 (LHD)	R 4	86 (LHD)
C14	84 (LHD)	J 7	A 86 (LHD)	R 7	A 90 (LHD L/B) 92 (LHD H/B)
D 2	84 (LHD)	J 8	B 86 (LHD)		
I14	A 84 (LHD)	J 9	A 86 (LHD)	R 8	B 88 (LHD S/D)
J 1	A 86 (LHD)	J12	86 (LHD)	R11	94 (LHD W/G)

⊙ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		
3D		

⊙ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)

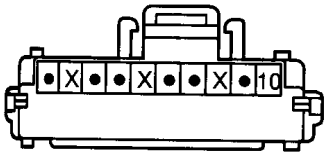
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	140 (LHD H/B)	
BL	138 (LHD L/B)	Back Panel Center
	142 (LHD W/G)	Rear Quarter Panel RH
BN	142 (LHD W/G)	Back Door LH

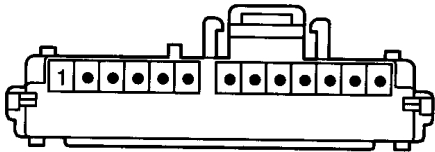
⊙ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)		B 8	142 (LHD W/G)	Back Door No.2 Wire

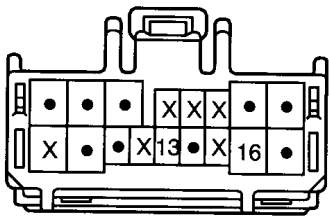
C10 (D) GARY



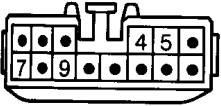
C11 (C) BLUE



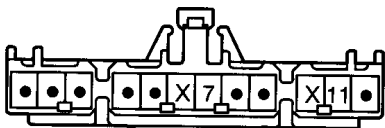
C14



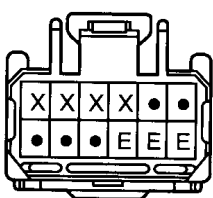
D 2 BLUE



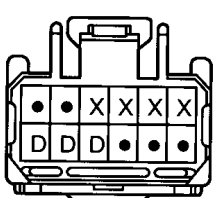
I14 (A)



J 1 (A) BLACK

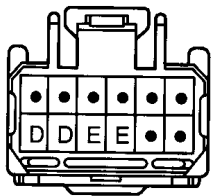


J 2 (B) BLACK

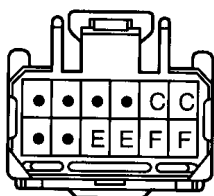


(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

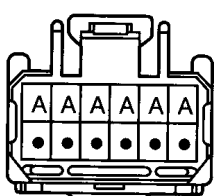
J 6 (B)



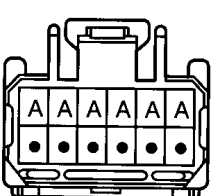
J 7 (A)



J 8 (B) GRAY

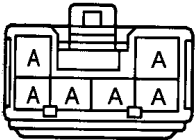


J 9 (A) GRAY

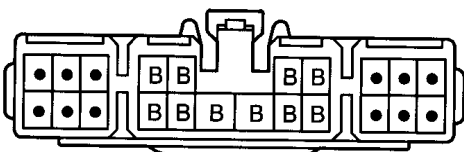


(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

J12



J27



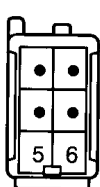
(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

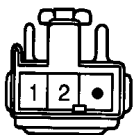
R 4 BLACK



R 7 (A)



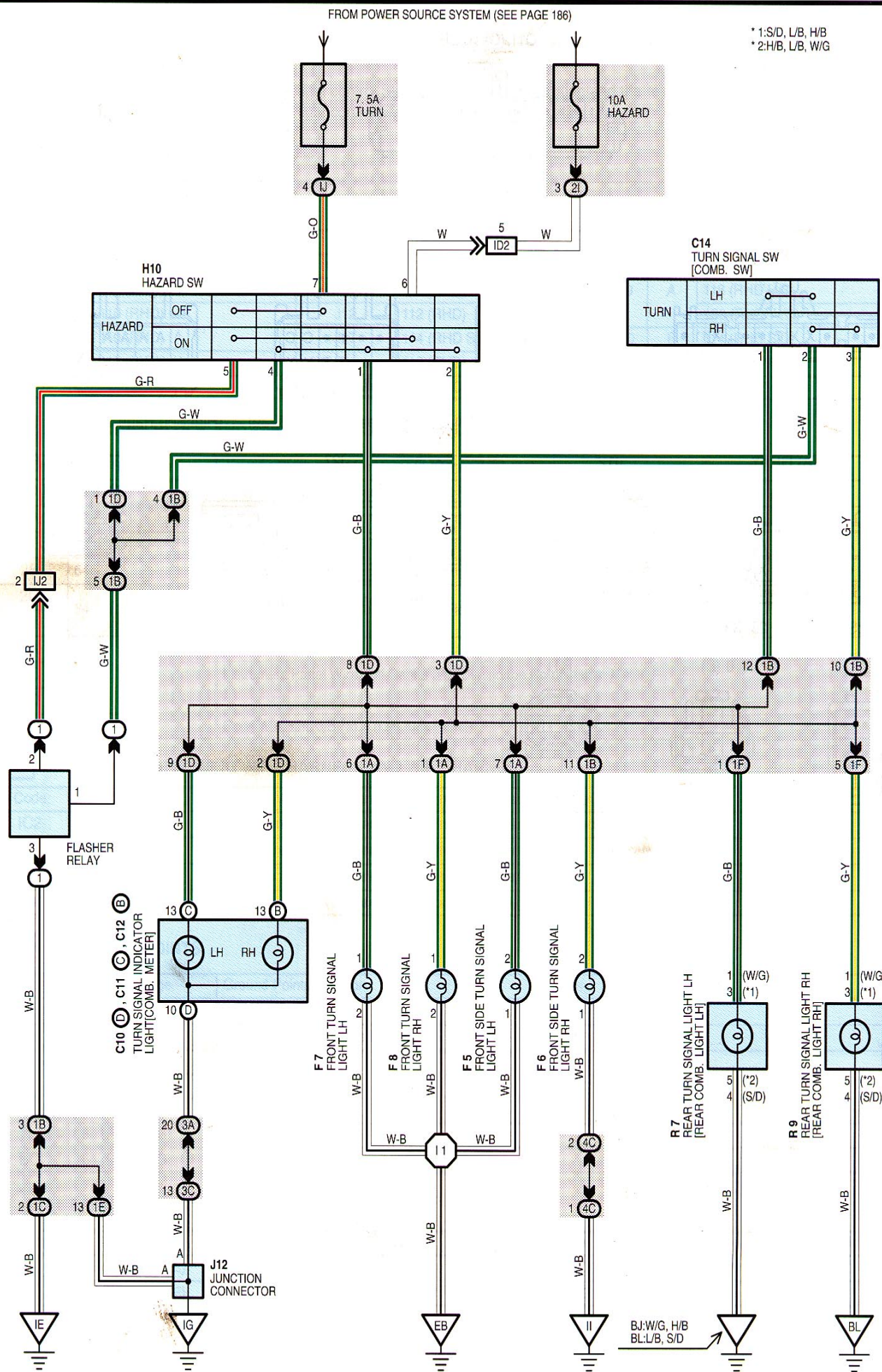
R 8(B)



R11



TURN SIGNAL AND HAZARD WARNING LIGHT(LHD)



SERVICE HINTS

FLASHER RELAY [DRIVER SIDE R/B]

- 2-GROUND: Approx. 12 volts with the ignition SW on or the hazard SW on
- 1-GROUND: Changes from 12 to 0 volts with the ignition SW on and the turn signal SW left or right, or with the hazard SW on
- 3-GROUND: Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C10	D 84 (LHD)	F 6	76 (LHD 4A-F)	F 8	76 (LHD 4A-F)
C11	C 84 (LHD)		78 (LHD 2E)		78 (LHD 2E)
C12	B 84 (LHD)		80 (LHD 2C-E)		80 (LHD 2C-E)
C14	84 (LHD)		82 (LHD 2C)		82 (LHD 2C)
F 5	70 (LHD 7A-FE)	F 7	70 (LHD 7A-FE)	H10	84 (LHD)
	72 (LHD 4A-FE)		72 (LHD 4A-FE)	J12	86 (LHD)
	74 (LHD 4E-FE)		74 (LHD 4E-FE)	R 7	88 (LHD S/D)
	76 (LHD 4A-F)		76 (LHD 4A-F)		90 (LHD L/B)
	78 (LHD 2E)		78 (LHD 2E)		92 (LHD H/B)
	80 (LHD 2C-E)		80 (LHD 2C-E)		94 (LHD W/G)
F 6	82 (LHD 2C)	F 8	82 (LHD 2C)	R 9	88 (LHD S/D)
	70 (LHD 7A-FE)		70 (LHD 7A-FE)		90 (LHD L/B)
	72 (LHD 4A-FE)		72 (LHD 4A-FE)		92 (LHD H/B)
	74 (LHD 4E-FE)		74 (LHD 4E-FE)		94 (LHD W/G)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IJ	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1D	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID2	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)

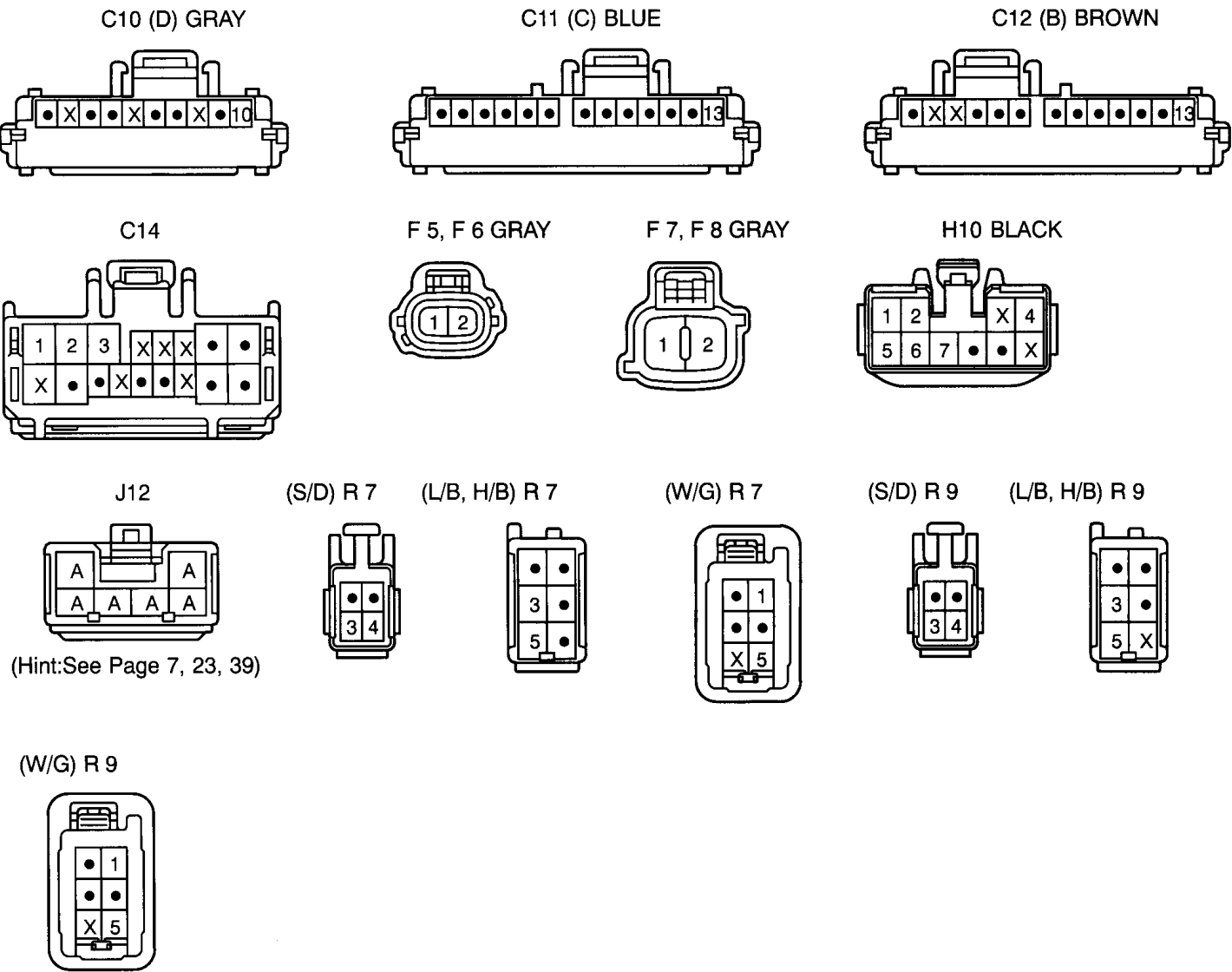
TURN SIGNAL AND HAZARD WARNING LIGHT(LHD)

 : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel
BJ	140 (LHD H/B)	Under the Left Quarter Pillar
	142 (LHD W/G)	Rear Quarter Panel LH
BL	136 (LHD S/D)	Back Panel Center
	138 (LHD L/B)	
	140 (LHD H/B)	Back Panel LH
	142 (LHD W/G)	Rear Quarter Panel RH

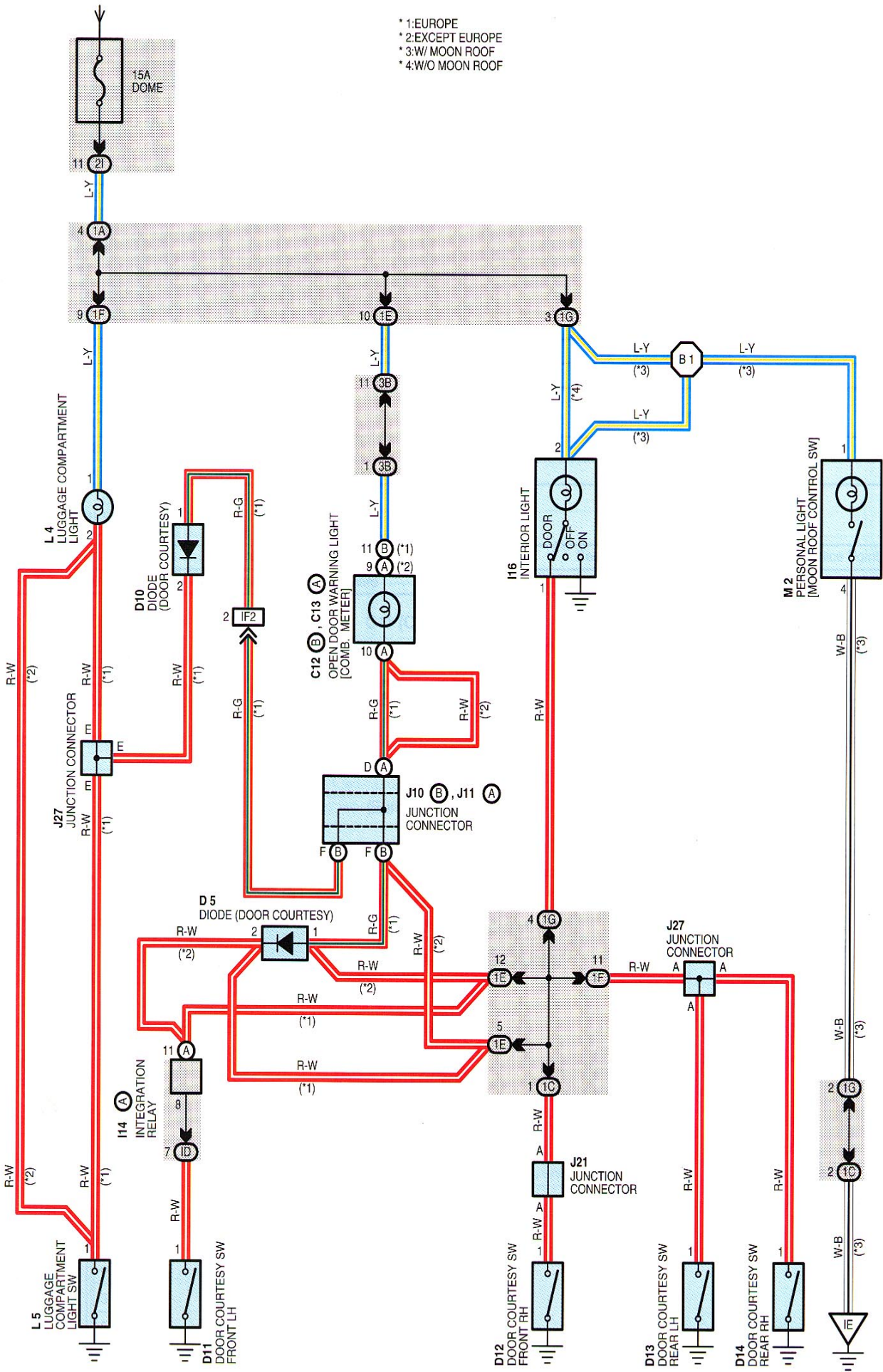
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 1	134 (LHD)	Engine Room Main Wire			



INTERIOR LIGHT(LHD S/D)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

D11, D12, D13, D14 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH

1-GROUND: Closed with the door open

L 5 LUGGAGE COMPARTMENT LIGHT SW

1-GROUND: Closed with the luggage compartment door open

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
C12	B	84 (LHD)	D13		88 (LHD S/D)	J21	86 (LHD)
C13	A	84 (LHD)	D14		88 (LHD S/D)	J27	88 (LHD S/D)
D 5		84 (LHD)	I14	A	84 (LHD)	L 4	88 (LHD S/D)
D10		88 (LHD S/D)	I16		88 (LHD S/D)	L 5	88 (LHD S/D)
D11		88 (LHD S/D)	J10	B	86 (LHD)	M 2	88 (LHD S/D)
D12		88 (LHD S/D)	J11	A	86 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)

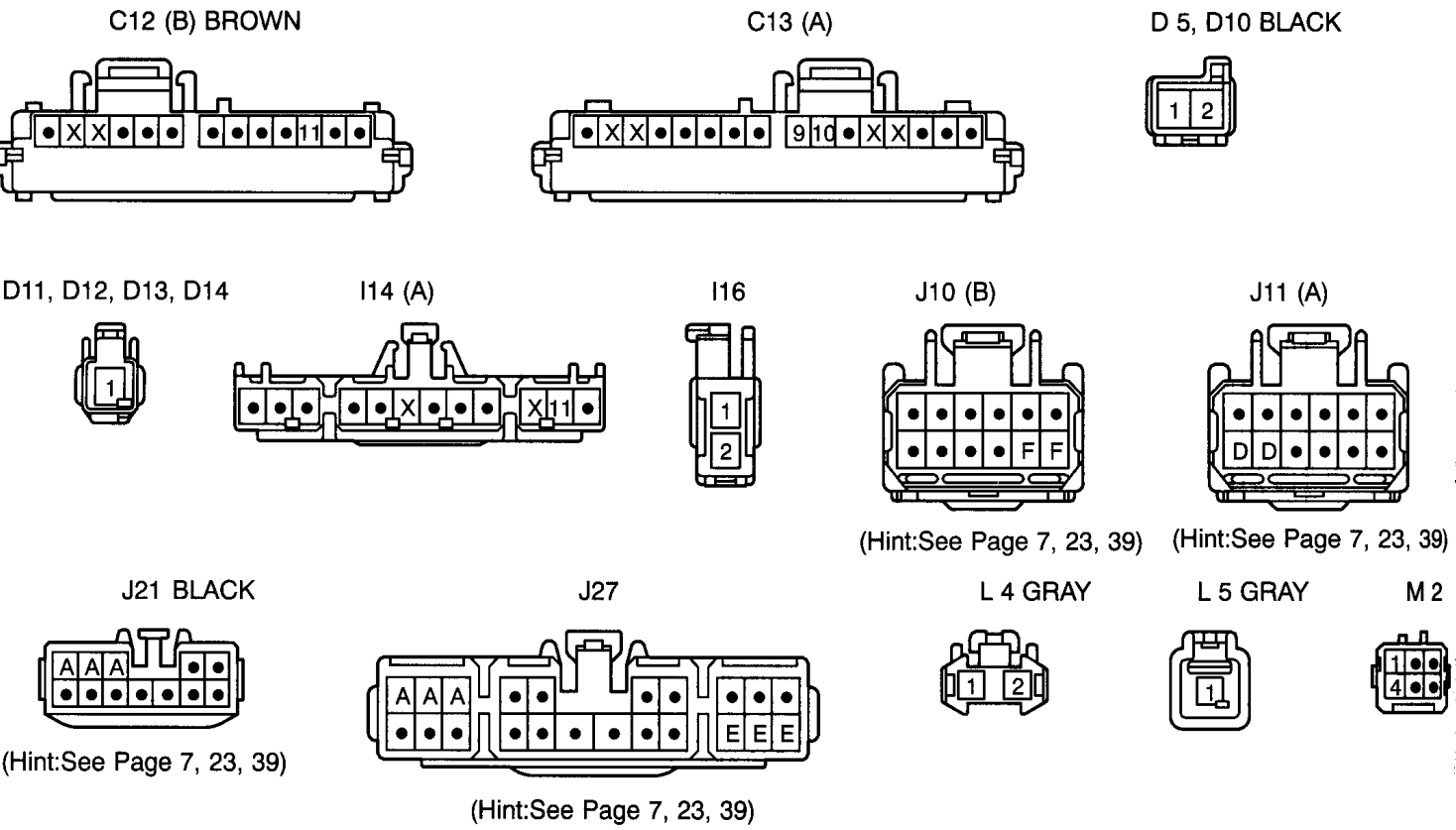
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

○ : SPLICE POINTS

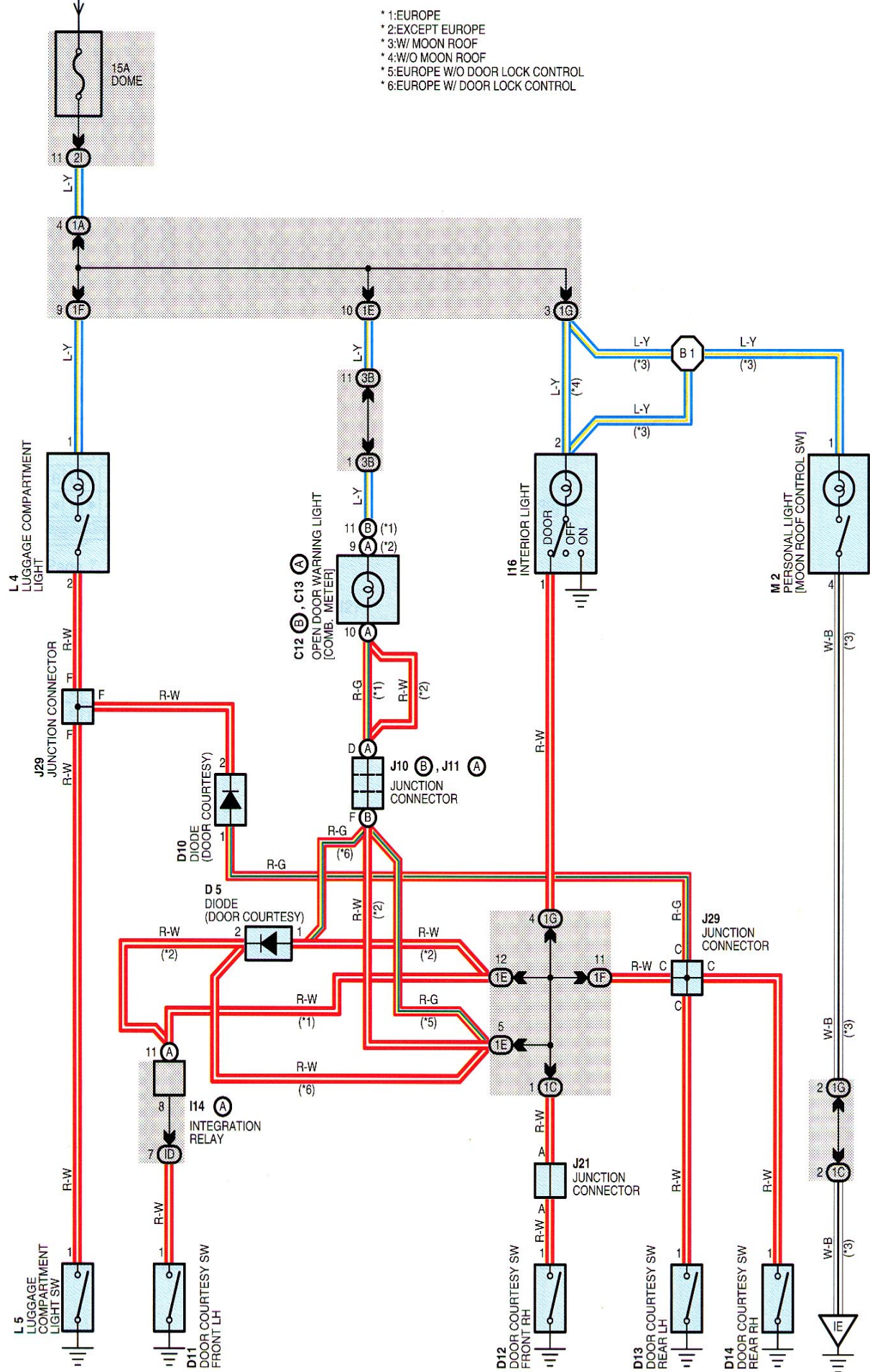
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	136 (LHD S/D)	Roof Wire			

INTERIOR LIGHT(LHD S/D)



INTERIOR LIGHT(LHD L/B)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

D11, D12, D13, D14 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH

1-GROUND: Closed with the door open

L 5 LUGGAGE COMPARTMENT LIGHT SW

1-GROUND: Closed with the luggage compartment door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C12	B 84 (LHD)	D13	90 (LHD L/B)	J21	86 (LHD)
C13	A 84 (LHD)	D14	90 (LHD L/B)	J29	90 (LHD L/B)
D 5	84 (LHD)	I14	A 84 (LHD)	L 4	90 (LHD L/B)
D10	90 (LHD L/B)	I16	90 (LHD L/B)	L 5	90 (LHD L/B)
D11	90 (LHD L/B)	J10	B 86 (LHD)	M 2	90 (LHD L/B)
D12	90 (LHD L/B)	J11	A 86 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

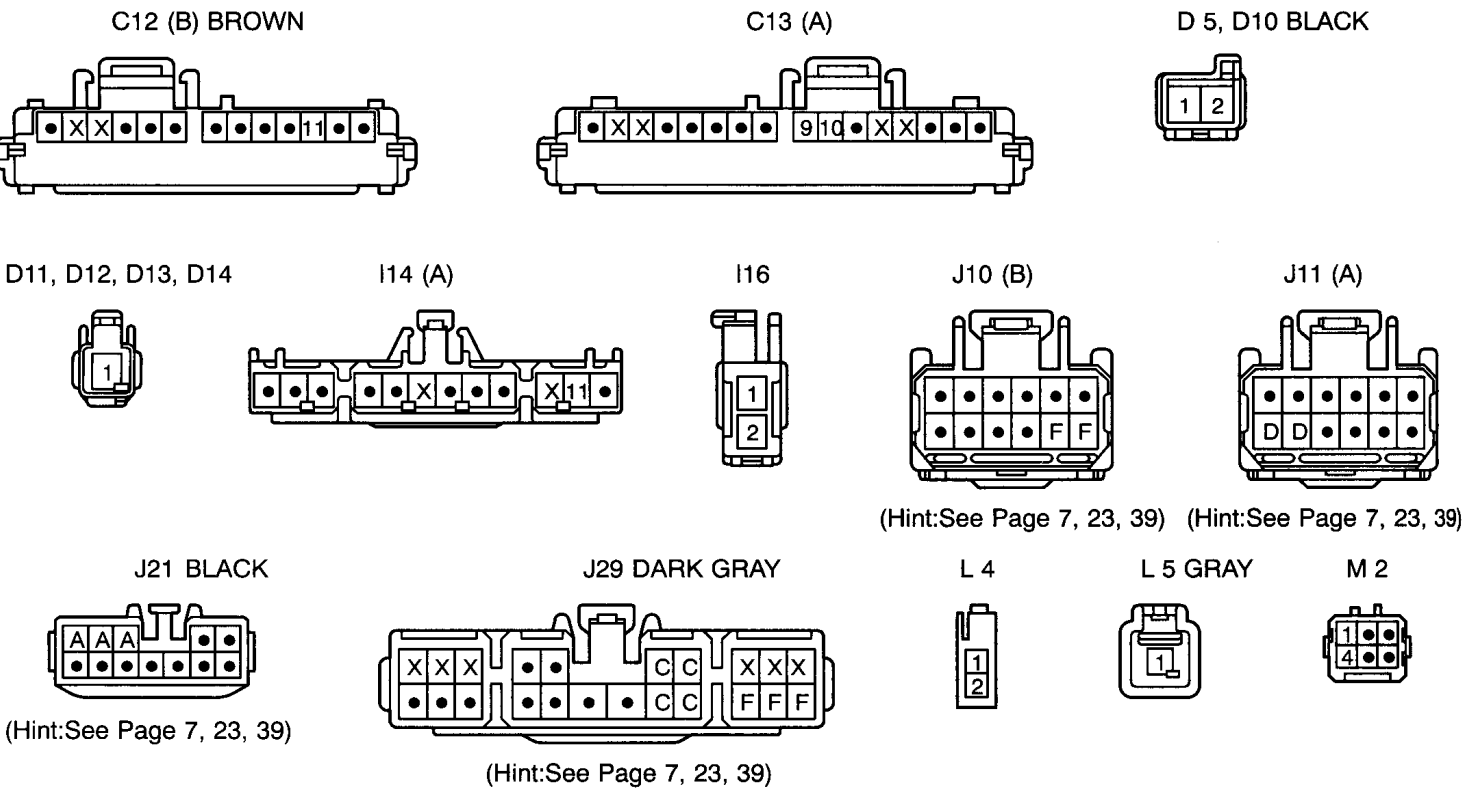
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	138 (LHD L/B)	Roof Wire			

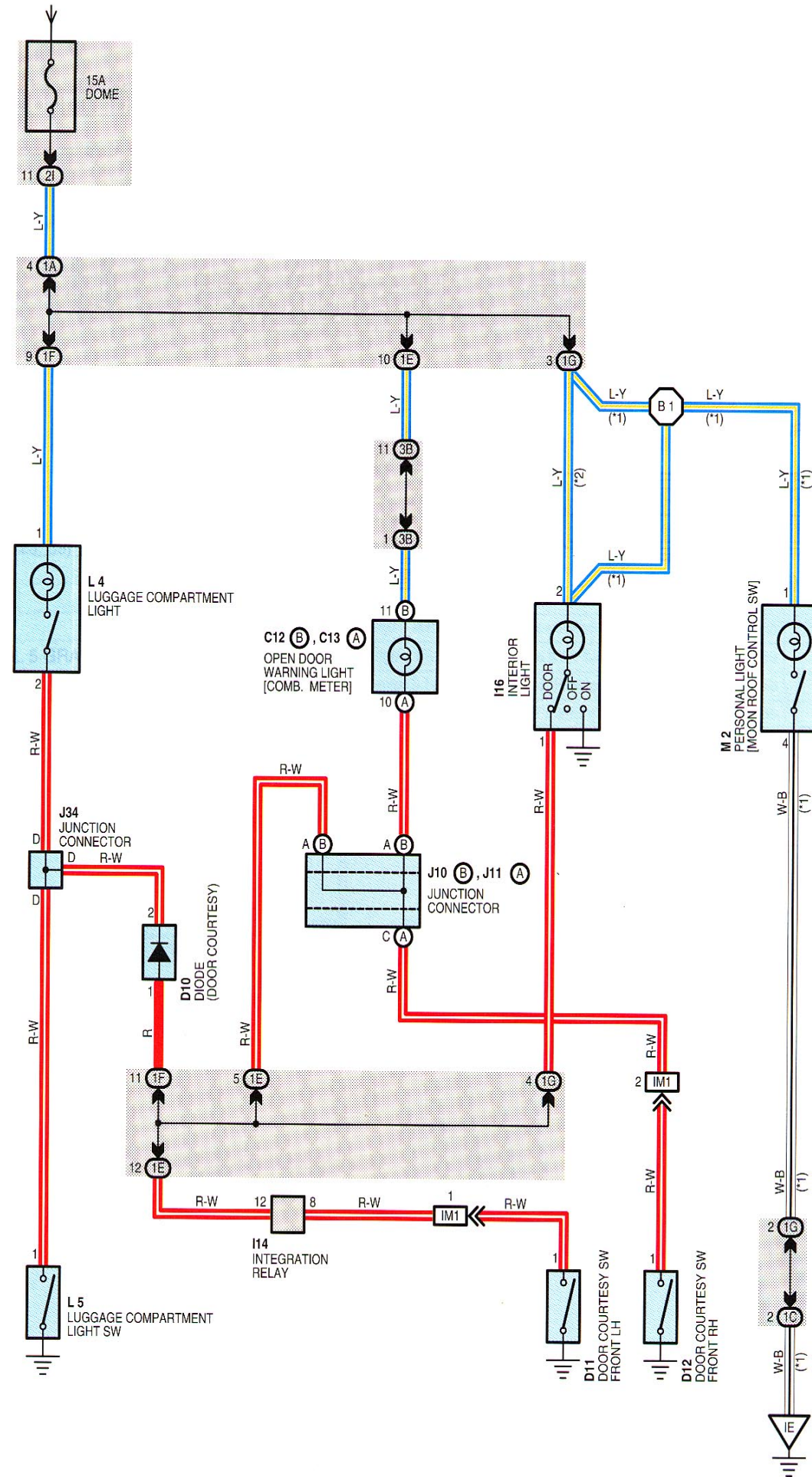
INTERIOR LIGHT(LHD L/B)



INTERIOR LIGHT(LHD H/B)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:W/ MOON ROOF
* 2:W/O MOON ROOF



SERVICE HINTS

D11, D12 DOOR COURTESY SW FRONT LH, RH

1-GROUND: Closed with the door open

L 5 LUGGAGE COMPARTMENT LIGHT SW

1-GROUND: Closed with the luggage compartment door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C12	B 84 (LHD)	I14	84 (LHD)	L 4	92 (LHD H/B)
C13	A 84 (LHD)	I16	92 (LHD H/B)	L 5	92 (LHD H/B)
D10	92 (LHD H/B)	J10	B 86 (LHD)	M 2	92 (LHD H/B)
D11	92 (LHD H/B)	J11	A 86 (LHD)		
D12	92 (LHD H/B)	J34	92 (LHD H/B)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)

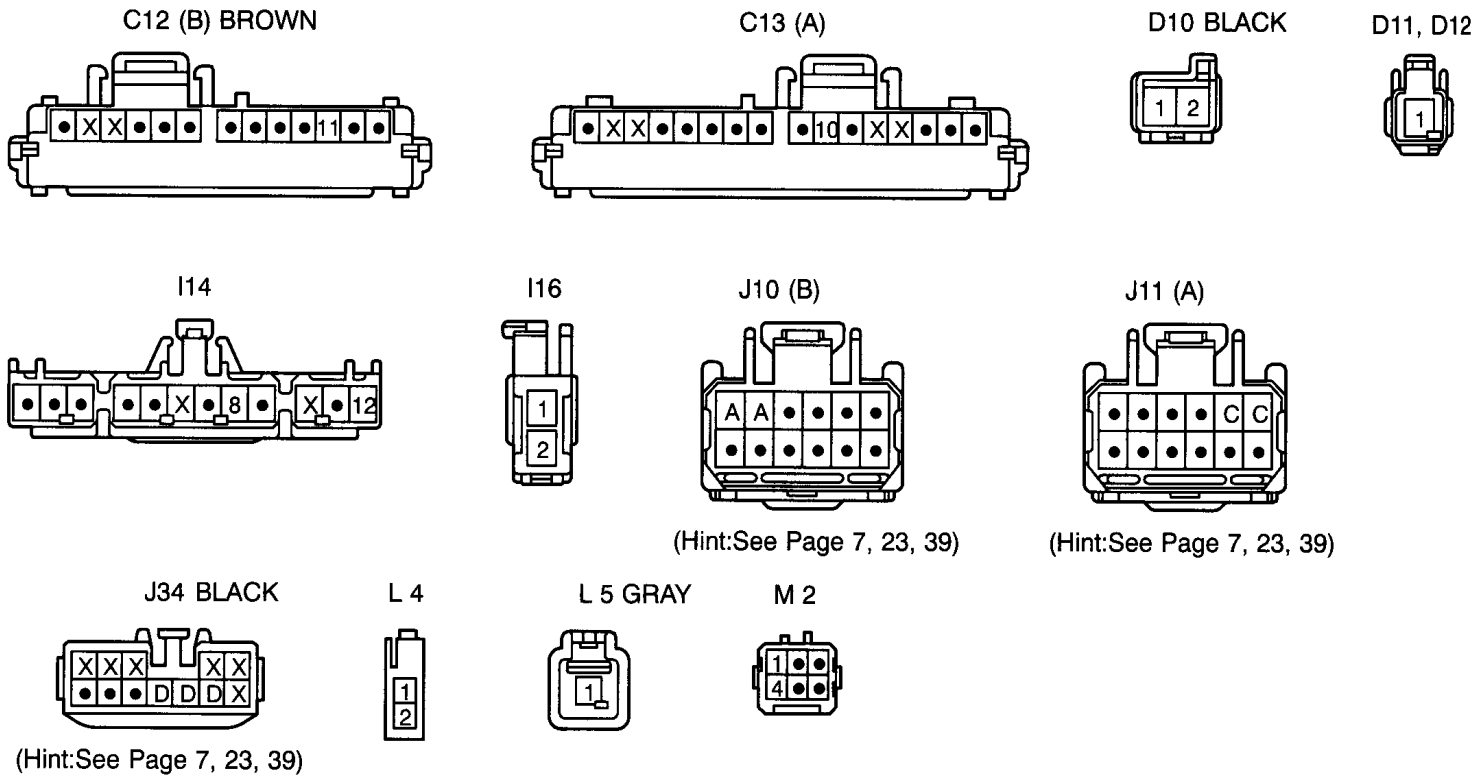
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

○ : SPLICE POINTS

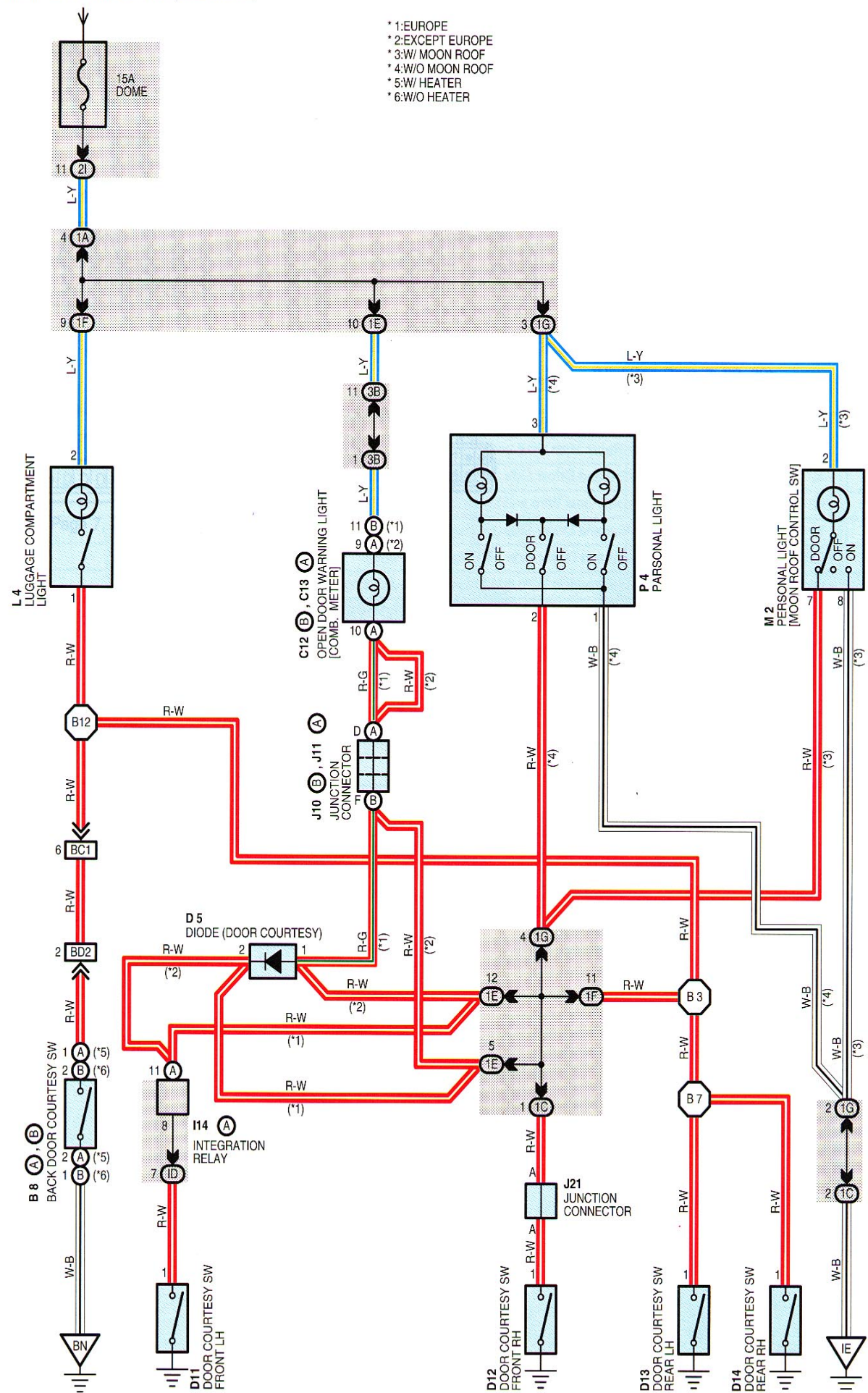
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	140 (LHD H/B)	Roof Wire			

INTERIOR LIGHT(LHD H/B)



INTERIOR LIGHT(LHD W/G)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



- * 1:EUROPE
- * 2:EXCEPT EUROPE
- * 3:W/ MOON ROOF
- * 4:W/O MOON ROOF
- * 5:W/ HEATER
- * 6:W/O HEATER

SERVICE HINTS

D11,D12,D13,D14 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH

1-GROUND: Closed with the door open

B 8 (A), (B) BACK DOOR COURTESY SW

(A) 1, (B) 2-(A) 2, (B) 1: Closed with the back door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B 8	A 94 (LHD W/G)	D12	94 (LHD W/G)	J21	86 (LHD)
	B 94 (LHD W/G)	D13	94 (LHD W/G)	L 4	94 (LHD W/G)
C12	B 84 (LHD)	D14	94 (LHD W/G)	M 2	94 (LHD W/G)
C13	A 84 (LHD)	I14	A 84 (LHD)	P 4	94 (LHD W/G)
D 5	84 (LHD)	J10	B 86 (LHD)		
D11	94 (LHD W/G)	J11	A 86 (LHD)		

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD2	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)

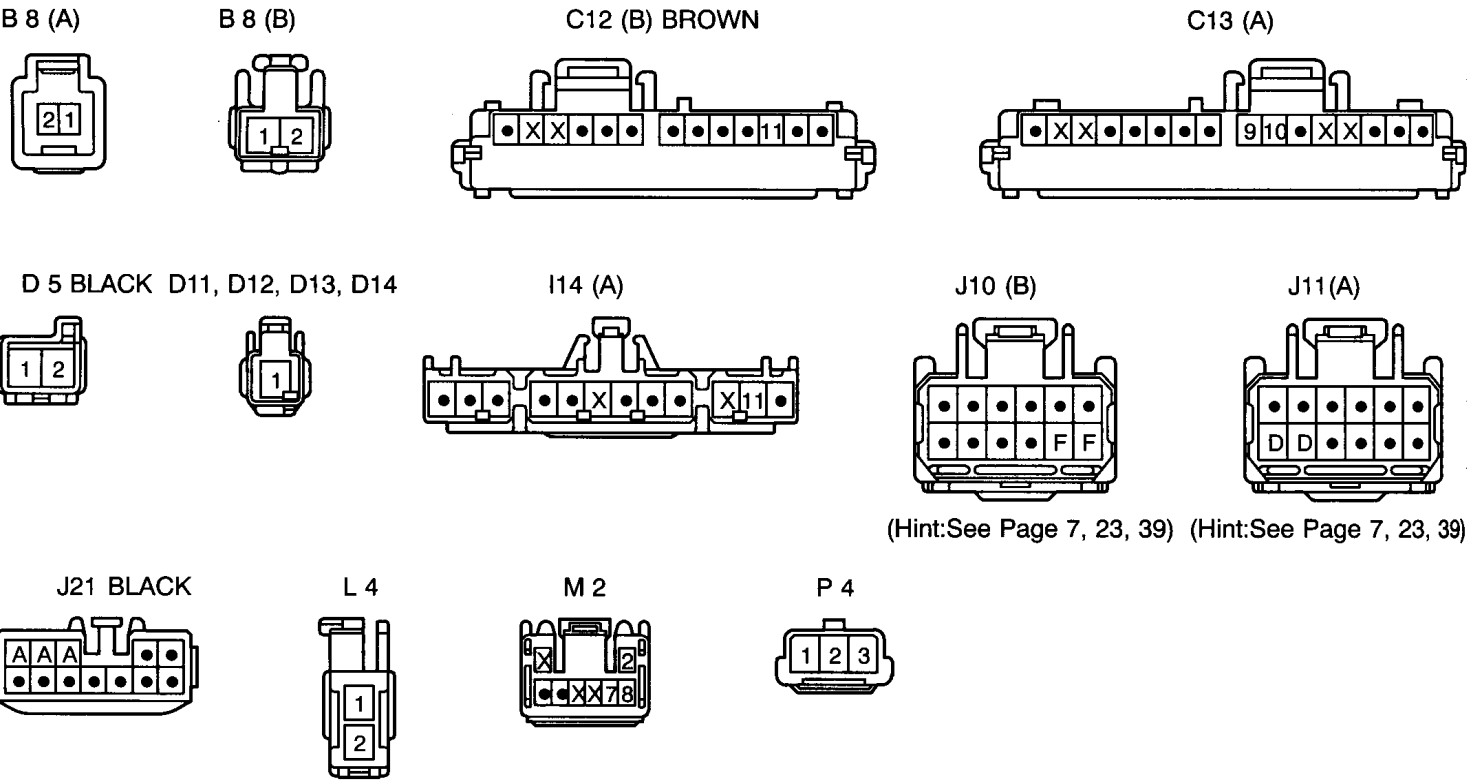
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
BN	142 (LHD W/G)	Back Door LH

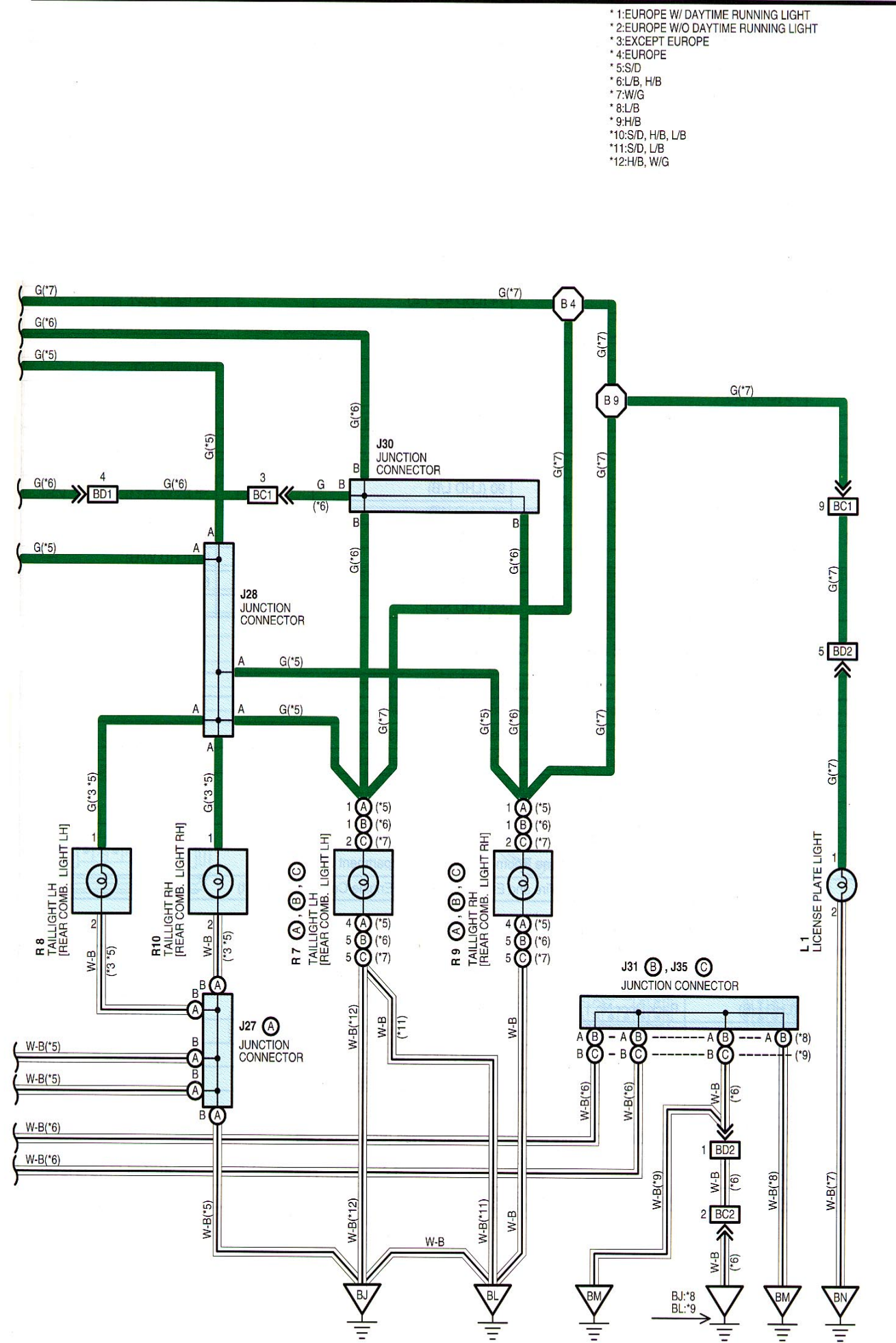
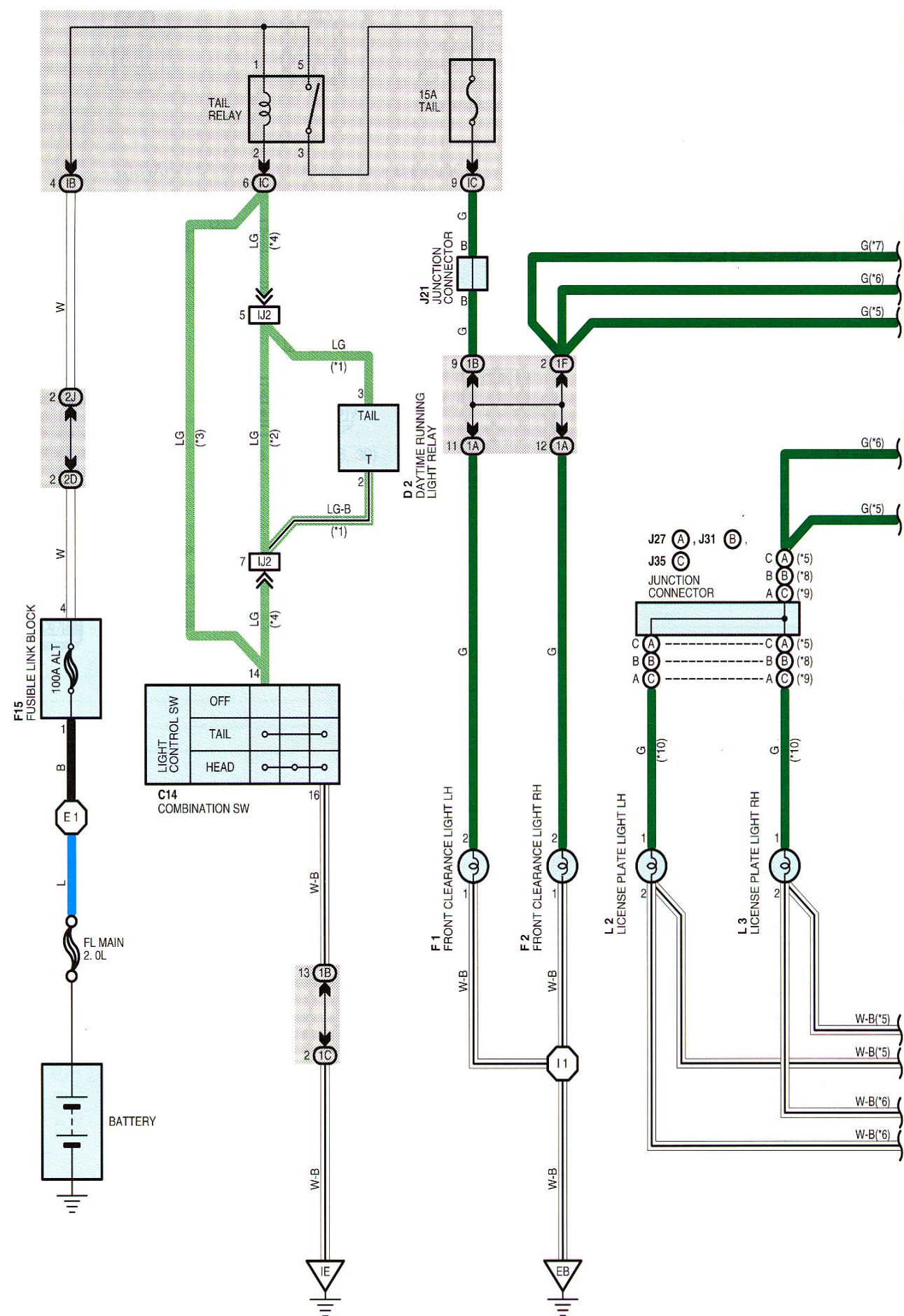
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 3			B12	142 (LHD W/G)	Floor Wire
B 7	142 (LHD W/G)	Floor Wire			

INTERIOR LIGHT(LHD W/G)



TAILLIGHT(LHD)



- *1:EUROPE W/ DAYTIME RUNNING LIGHT
- *2:EUROPE W/O DAYTIME RUNNING LIGHT
- *3:EXCEPT EUROPE
- *4:EUROPE
- *5:S/D
- *6:L/B, H/B
- *7:W/G
- *8:L/B
- *9:H/B
- *10:S/D, H/B, L/B
- *11:S/D, L/B
- *12:H/B, W/G

SERVICE HINTS

C14 COMBINATION SW

14-16 :Closed with the light control SW at **TAIL** or **HEAD** position

TAIL RELAY

5-3 : Closed with the light control SW at **TAIL** or **HEAD** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	84 (LHD)	F 1	70 (LHD 7A-FE)	L 2	90 (LHD L/B)
D 2	84 (LHD)		72 (LHD 4A-FE)		92 (LHD H/B)
F 1	70 (LHD 7A-FE)		74 (LHD 4E-FE)	L 3	88 (LHD S/D)
	72 (LHD 4A-FE)		76 (LHD 4A-F)		90 (LHD L/B)
	74 (LHD 4E-FE)		78 (LHD 2E)		92 (LHD H/B)
	76 (LHD 4A-F)		80 (LHD 2C-E)	R 7	A 88 (LHD S/D)
	78 (LHD 2E)		82 (LHD 2C)		B 90 (LHD L/B)
	80 (LHD 2C-E)		86 (LHD)		92 (LHD H/B)
	82 (LHD 2C)	J21	88 (LHD S/D)	C	94 (LHD W/G)
F 2	70 (LHD 7A-FE)	J28	88 (LHD S/D)	R 8	88 (LHD S/D)
	72 (LHD 4A-FE)	J30	90 (LHD L/B)	A	88 (LHD S/D)
	74 (LHD 4E-FE)		92 (LHD H/B)	B	90 (LHD L/B)
	76 (LHD 4A-F)		90 (LHD L/B)		92 (LHD H/B)
	78 (LHD 2E)	J31	B 90 (LHD L/B)	C	94 (LHD W/G)
	80 (LHD 2C-E)	J35	C 92 (LHD H/B)		
	82 (LHD 2C)	L 1	94 (LHD W/G)	R10	88 (LHD S/D)
		L 2	88 (LHD S/D)		

⬢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2D	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2J	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
BC1	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BC2	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
BD1	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	140 (LHD H/B)	
BD2	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
	140 (LHD H/B)	
	142 (LHD W/G)	

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
IE	132 (LHD)	Left Kick Panel
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	140 (LHD H/B)	Rear Quarter Panel LH
	142 (LHD W/G)	
BL	136 (LHD S/D)	Back Panel Center
	138 (LHD L/B)	Back Panel LH
	140 (LHD H/B)	Rear Quarter Panel RH
	142 (LHD W/G)	
BM	138 (LHD L/B)	Back Door RH
	140 (LHD H/B)	Back Door LH
BN	142 (LHD W/G)	

⬢ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	123 (LHD 4A-FE)			130 (LHD 2C)	
	124 (LHD 4E-FE)		I 1	134 (LHD)	Engine Room Main Wire
	125 (LHD 4A-F)		B 4	142 (LHD W/G)	Floor Wire
	126 (LHD 2E)		B 9		

C14

D 2 BLUE

F 1, F 2 GRAY

F15
(See Page 64)

J21 BLACK

J27 (A)

J28

J30 GRAY

(Hint:See Page 7, 23, 39)

J31 (B)

J35 (C)

L 1 GRAY (S/D, H/B)

L 2, L 3 GRAY (L/B)

(Hint:See Page 7, 23, 39)

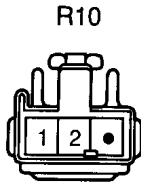
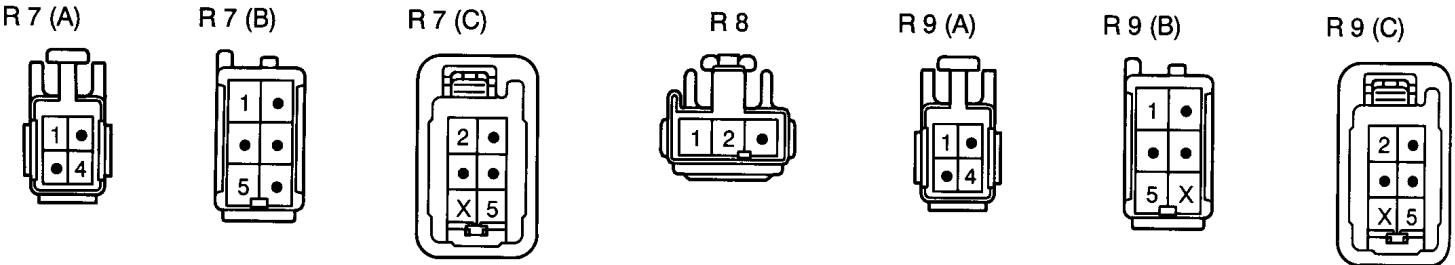
(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

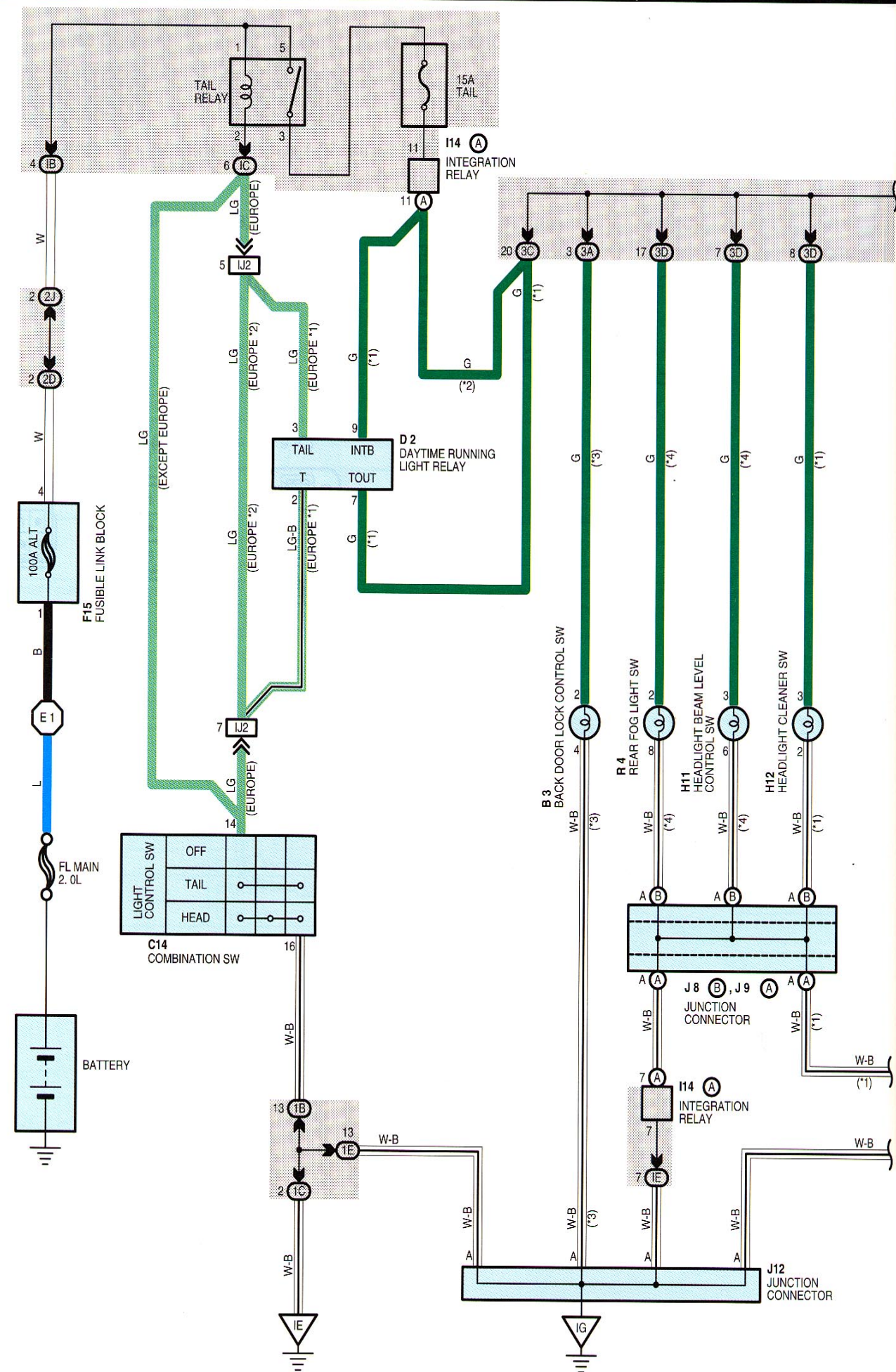
(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

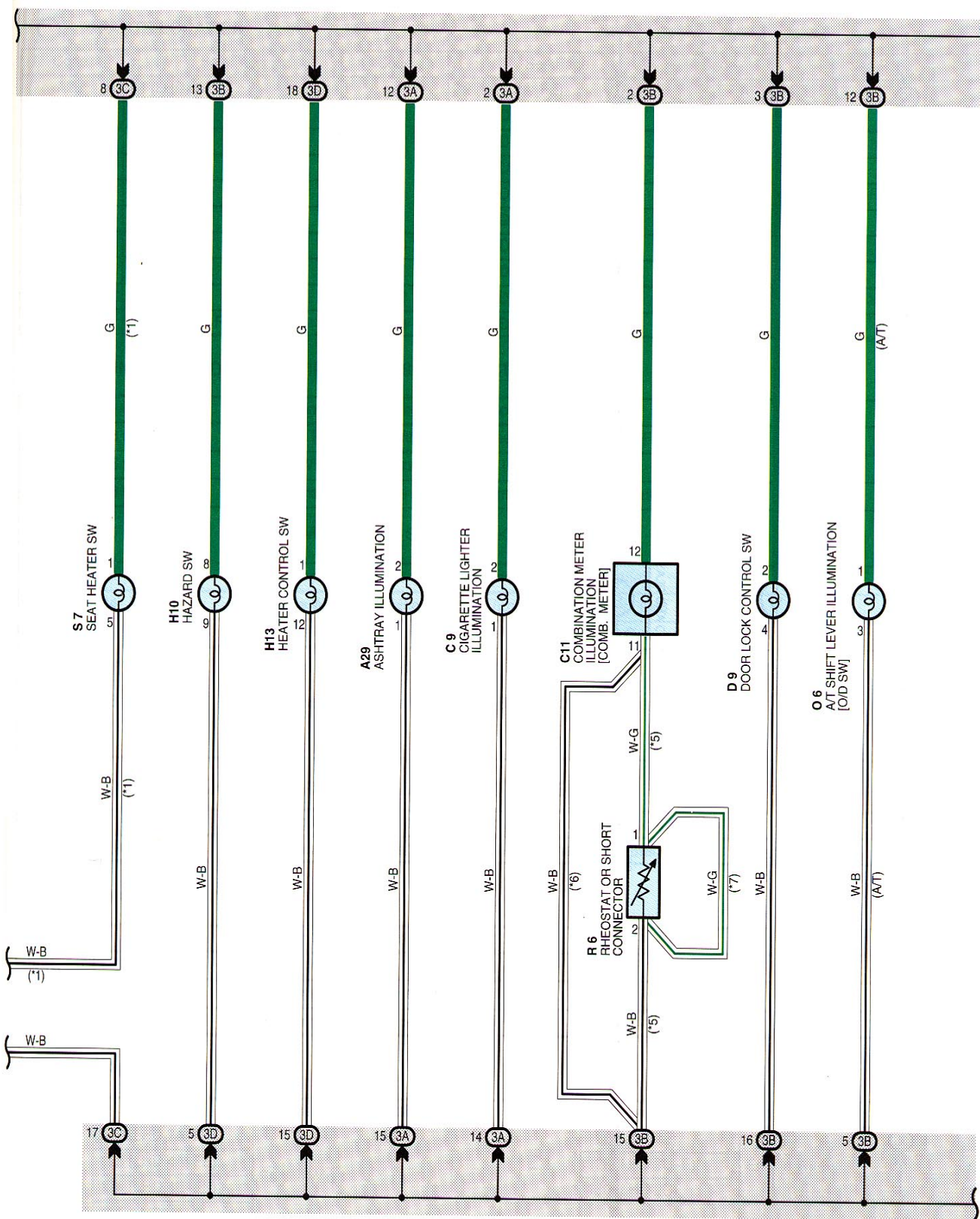
TAILLIGHT(LHD)

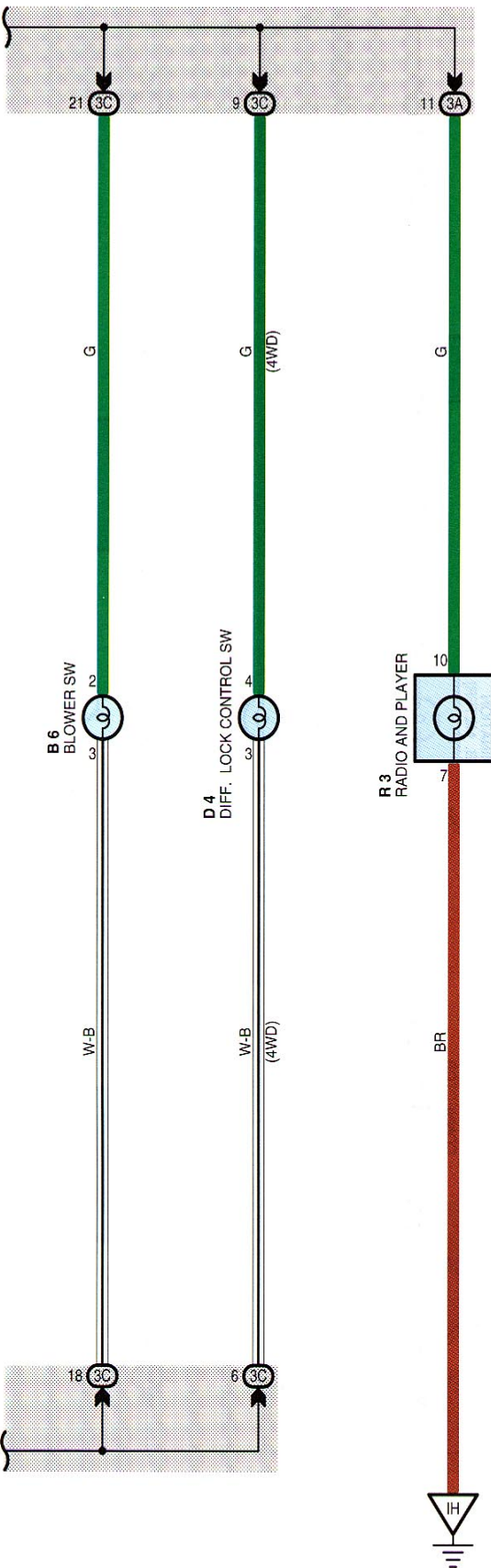


ILLUMINATION(LHD)



- * 1:W/ DAYTIME RUNNING LIGHT
- * 2:W/O DAYTIME RUNNING LIGHT
- * 3:W/G EXCEPT 4WD
- * 4:EUROPE EXCEPT CIS
- * 5:EXCEPT EUROPE STD GRADE
- * 6:EUROPE STD GRADE
- * 7:W/O RHEOSTAT EXCEPT EUROPE STD GRADE





SERVICE HINTS

C14 COMBINATION SW

14-16 : Closed with the light control SW at **TAIL** or **HEAD** position

TAIL RELAY

5-3 : Closed with the light control SW at **TAIL** or **HEAD** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A29	84 (LHD)	F15	72 (LHD 4A-FE)	I14	A 84 (LHD)
B 3	84 (LHD)		74 (LHD 4E-FE)	J 8	B 86 (LHD)
B 6	84 (LHD)		76 (LHD 4A-F)	J 9	A 86 (LHD)
C 9	84 (LHD)		78 (LHD 2E)	J12	86 (LHD)
C11	84 (LHD)		80 (LHD 2C-E)	O 6	86 (LHD)
C14	84 (LHD)		82 (LHD 2C)	R 3	86 (LHD)
D 2	84 (LHD)	H10	84 (LHD)	R 4	86 (LHD)
D 4	84 (LHD)	H11	84 (LHD)	R 6	86 (LHD)
D 9	84 (LHD)	H12	84 (LHD)	S 7	86 (LHD)
F15	70 (LHD 7A-FE)	H13	84 (LHD)		

■ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2D	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2J	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		
3D		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)

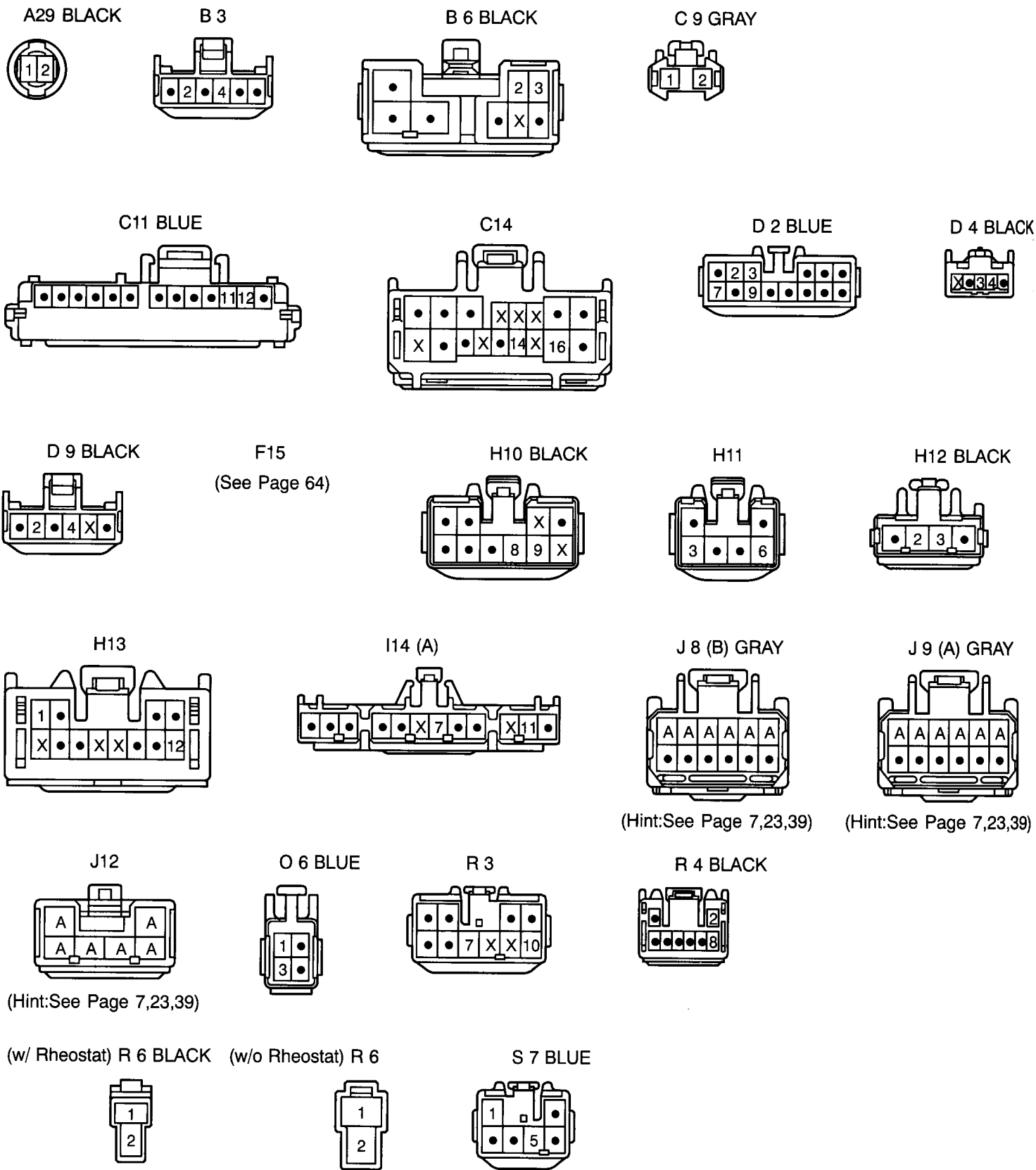
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH

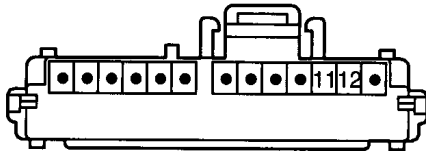
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				

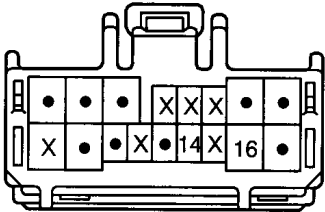
ILLUMINATION(LHD)



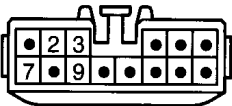
C11 BLUE



C14



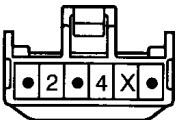
D 2 BLUE



D 4 BLACK

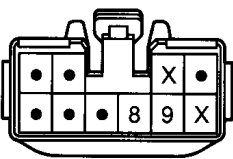


D 9 BLACK

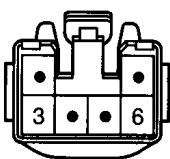


F15
(See Page 64)

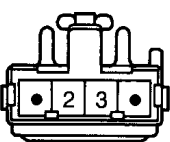
H10 BLACK



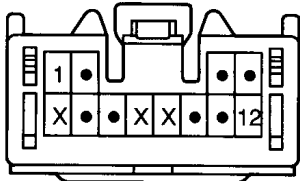
H11



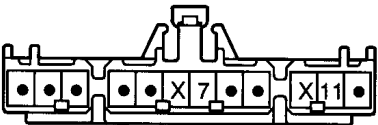
H12 BLACK



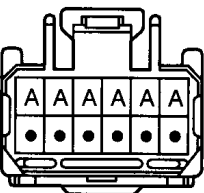
H13



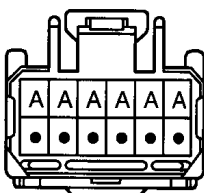
I14 (A)



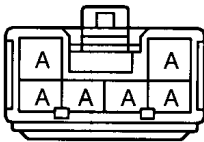
J 8 (B) GRAY



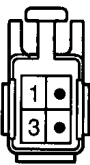
J 9 (A) GRAY



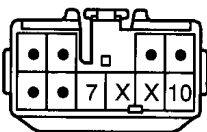
J12



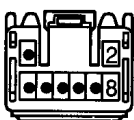
O 6 BLUE



R 3



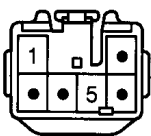
R 4 BLACK



(w/ Rheostat) R 6 BLACK (w/o Rheostat) R 6

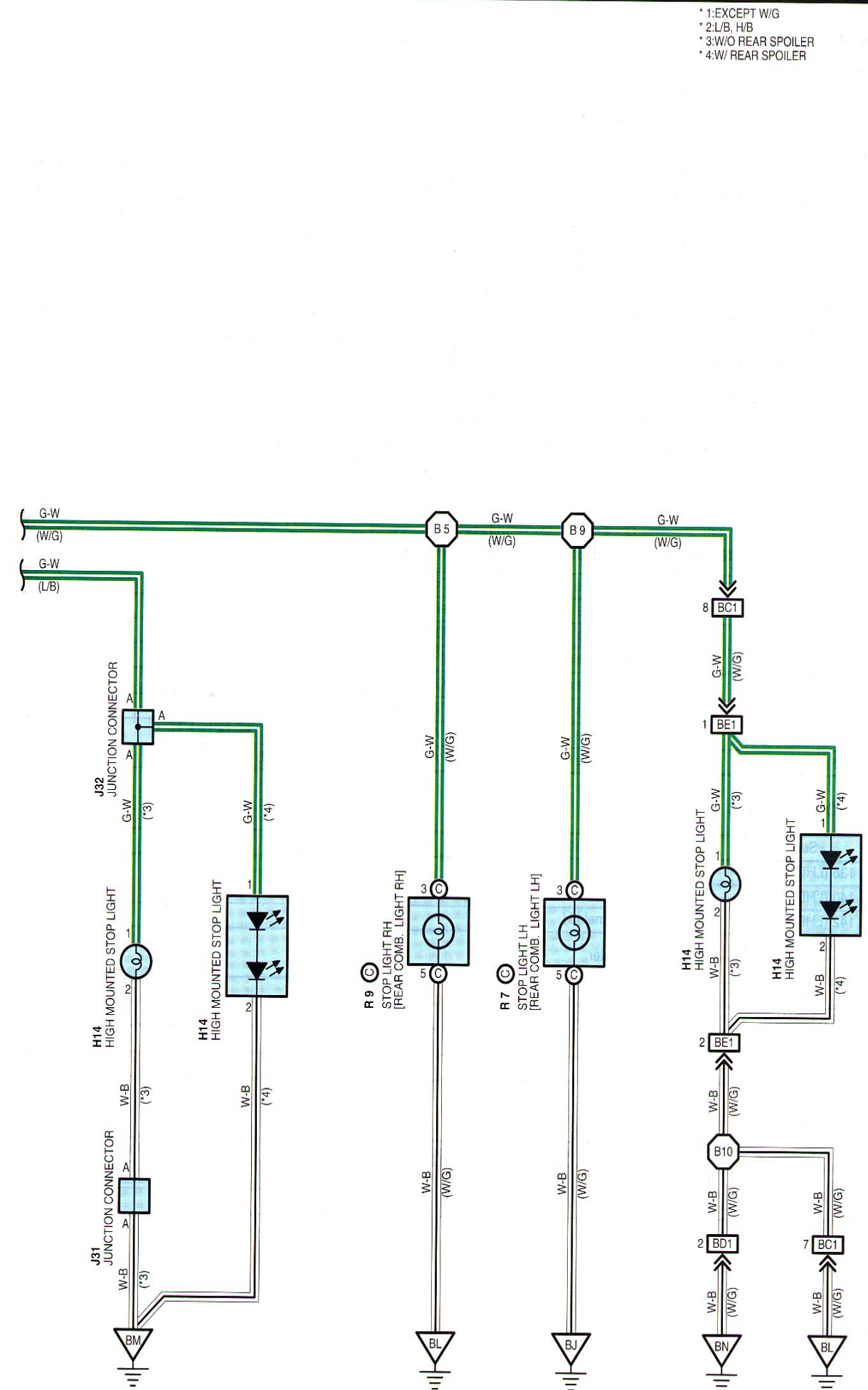
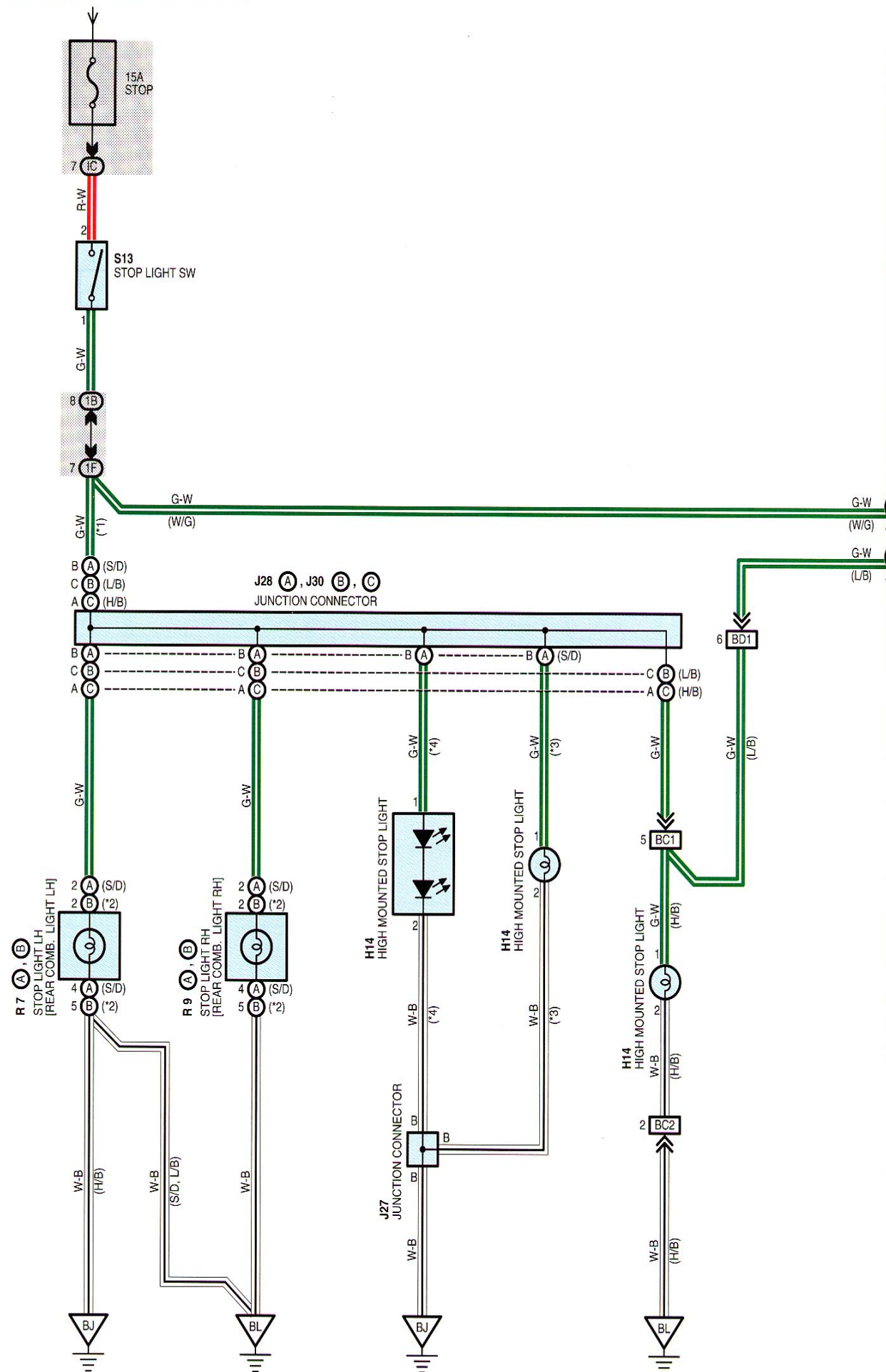


S 7 BLUE



STOP LIGHT(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



STOP LIGHT(LHD)

SERVICE HINTS					
S13 STOP LIGHT SW					
2-1 : Closed with the brake pedal depressed					

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H14	88 (LHD S/D)	J30	C	92 (LHD H/B)	R 9
	90 (LHD L/B)	J31		90 (LHD L/B)	
	92 (LHD H/B)	J32		90 (LHD L/B)	
	94 (LHD W/G)		A	88 (LHD S/D)	
J27	88 (LHD S/D)	R 7	B	90 (LHD L/B)	S13
J28	A			92 (LHD H/B)	
J30	B		C	94 (LHD W/G)	

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BC2	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
BD1	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BE1	142 (LHD W/G)	Back Door No.3 Wire and Back Door No.1 Wire (Back Door Upper Right)

▽ : GROUND POINTS

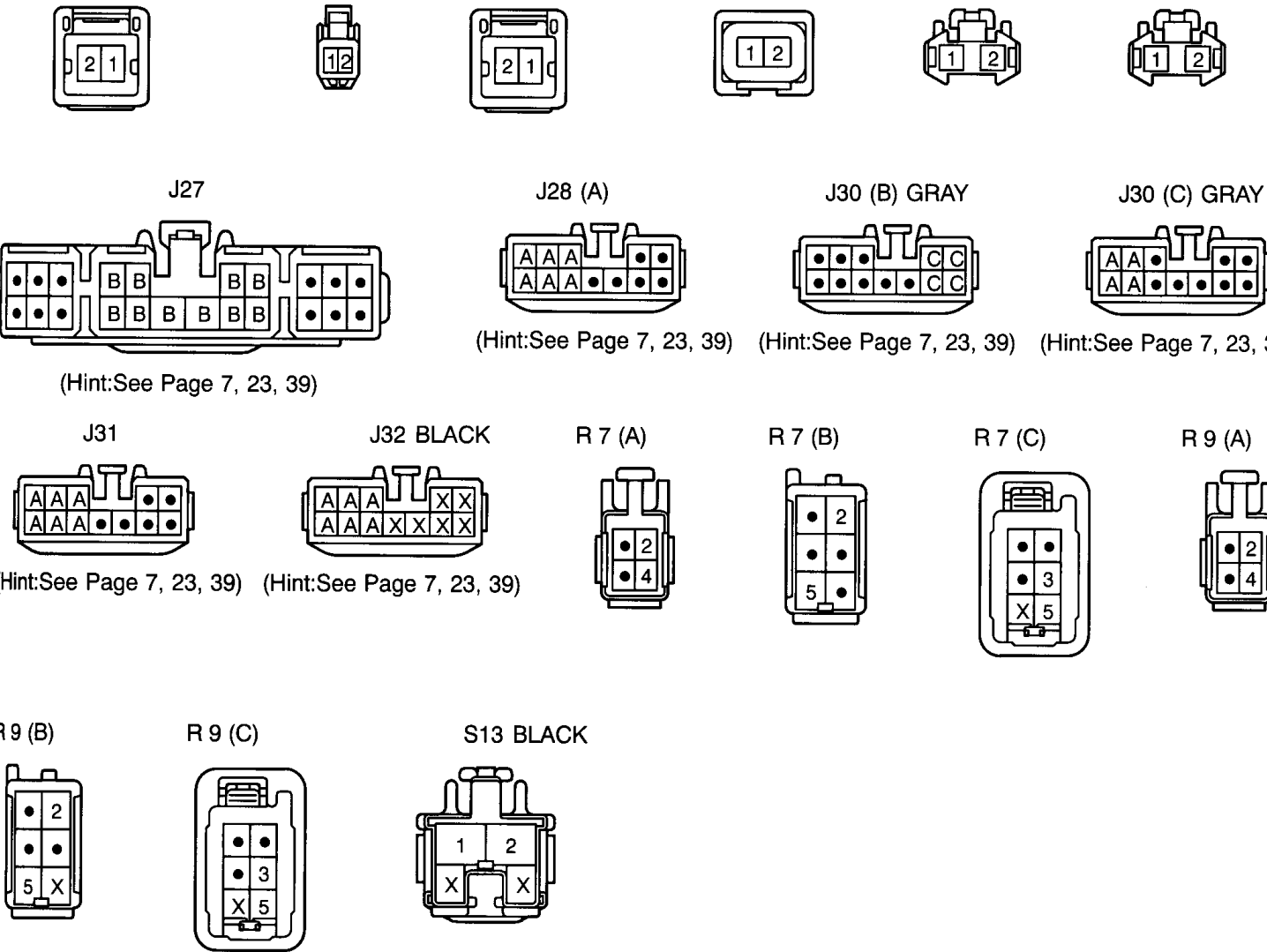
Code	See Page	Ground Points Location
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	140 (LHD H/B)	
	142 (LHD W/G)	Rear Quarter Panel LH
BL	136 (LHD S/D)	Back Panel Center
	138 (LHD L/B)	
	140 (LHD H/B)	Back Panel LH
	142 (LHD W/G)	Rear Quarter Panel RH
BM	138 (LHD L/B)	Back Door RH
BN	142 (LHD W/G)	Back Door LH

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 5	142 (LHD W/G)	Floor Wire	B10	142 (LHD W/G)	Back Door No.1 Wire
B 9					

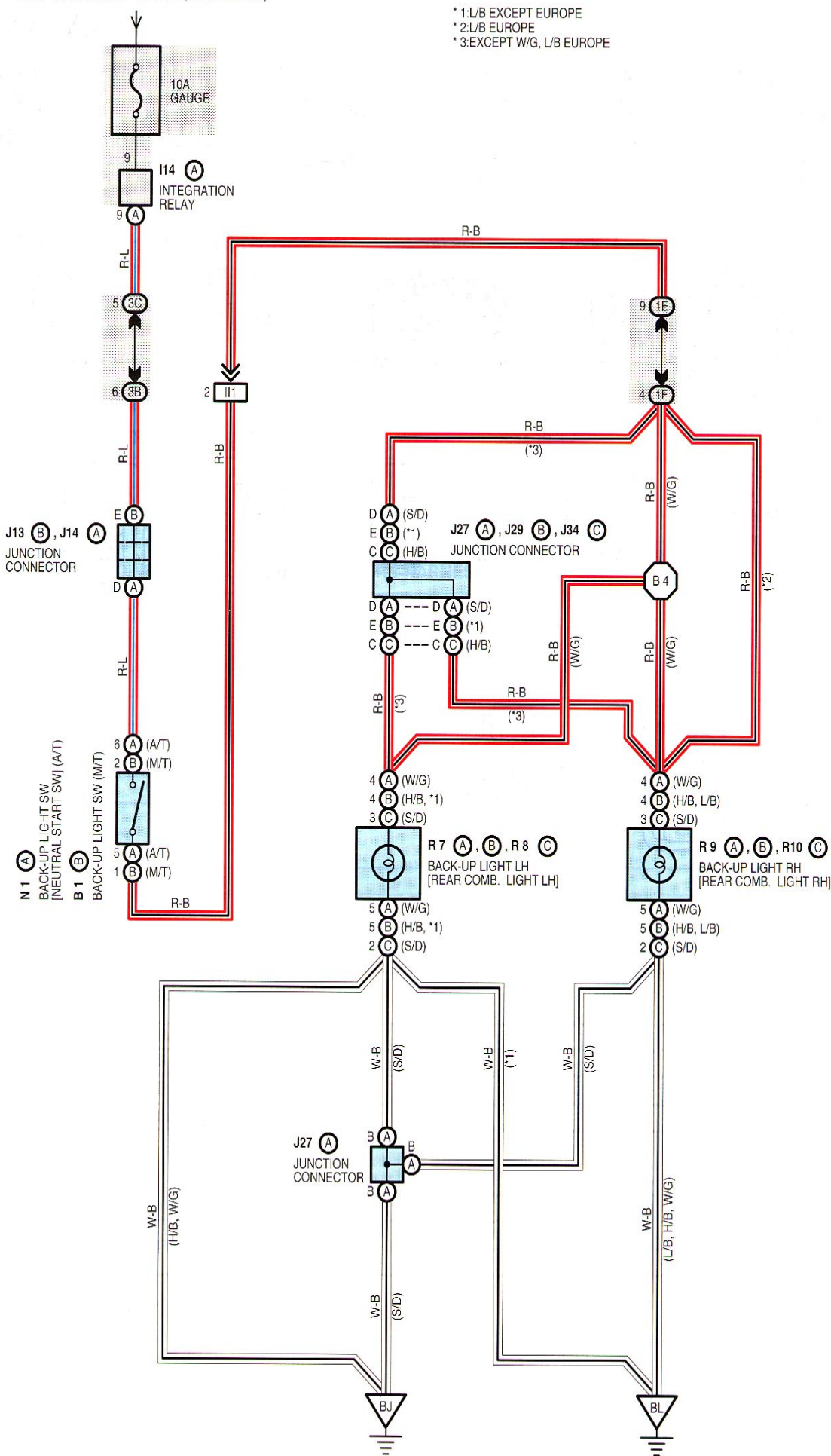
* 1:W/ REAR SPOILER
* 2:W/O REAR SPOILER

(S/D *1) H14 BLACK (S/D *2) H14 (L/B *1) H14 BLACK (L/B *2) H14 GRAY (H/B) H14 GRAY (W/G) H14 GRAY



BACK-UP LIGHT(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

N 1 (A) BACK-UP LIGHT SW [NEUTRAL START SW] (A/T)

6-5 : Closed with the shift lever at R position

B 1 (B) BACK-UP LIGHT SW (M/T)

2-1 : Closed with the shift lever at R position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B 1	B	70 (LHD 7A-FE)	J14 A	86 (LHD)	R 7
		72 (LHD 4A-FE)	J27 A	88 (LHD S/D)	
		74 (LHD 4E-FE)	J29 B	90 (LHD L/B)	
		76 (LHD 4A-F)	J34 C	92 (LHD H/B)	R 8
		78 (LHD 2E)	N 1	94 (LHD W/G)	R 9
		80 (LHD 2C-E)		96 (LHD S/D)	
		82 (LHD 2C)		98 (LHD L/B)	
		84 (LHD)		100 (LHD H/B)	
		86 (LHD)		102 (LHD S/D)	
		88 (LHD)		104 (LHD L/B)	
I14	A	84 (LHD)	N 1	94 (LHD W/G)	R 9
J13	B	86 (LHD)		96 (LHD S/D)	
				98 (LHD L/B)	

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	140 (LHD H/B)	
	142 (LHD W/G)	
BL	138 (LHD L/B)	Back Panel Center
	140 (LHD H/B)	Back Panel LH
	142 (LHD W/G)	Rear Quarter Panel RH

○ : SPLICE POINTS

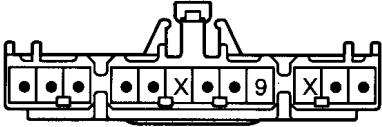
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 4	142 (LHD W/G)	Floor Wire			

BACK-UP LIGHT(LHD)

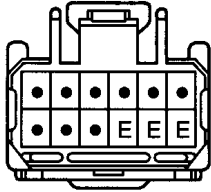
B 1 (B) GRAY



I14 (A)

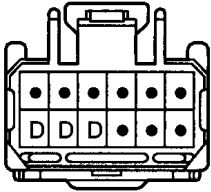


J13 (B) BLACK



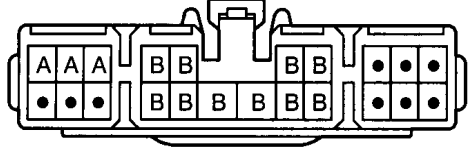
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



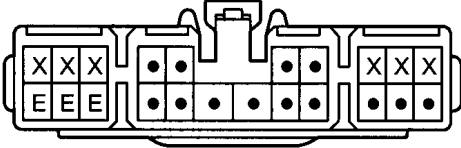
(Hint:See Page 7, 23, 39)

J27 (A)



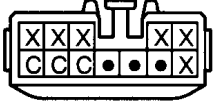
(Hint:See Page 7, 23, 39)

J29 (B) DARK GRAY



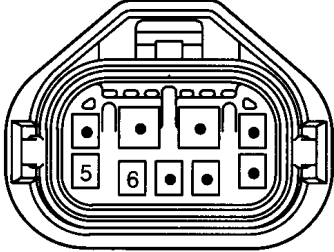
(Hint:See Page 7, 23, 39)

J34 (C) BLACK

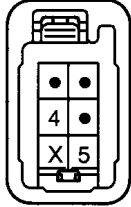


(Hint:See Page 7, 23, 39)

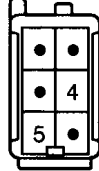
N 1 (A) GRAY



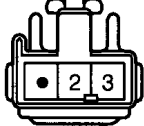
R 7 (A)



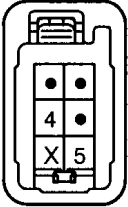
R 7 (B)



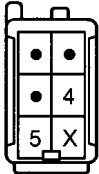
R 8 (C)



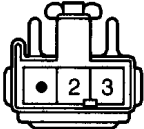
R 9 (A)



R 9 (B)



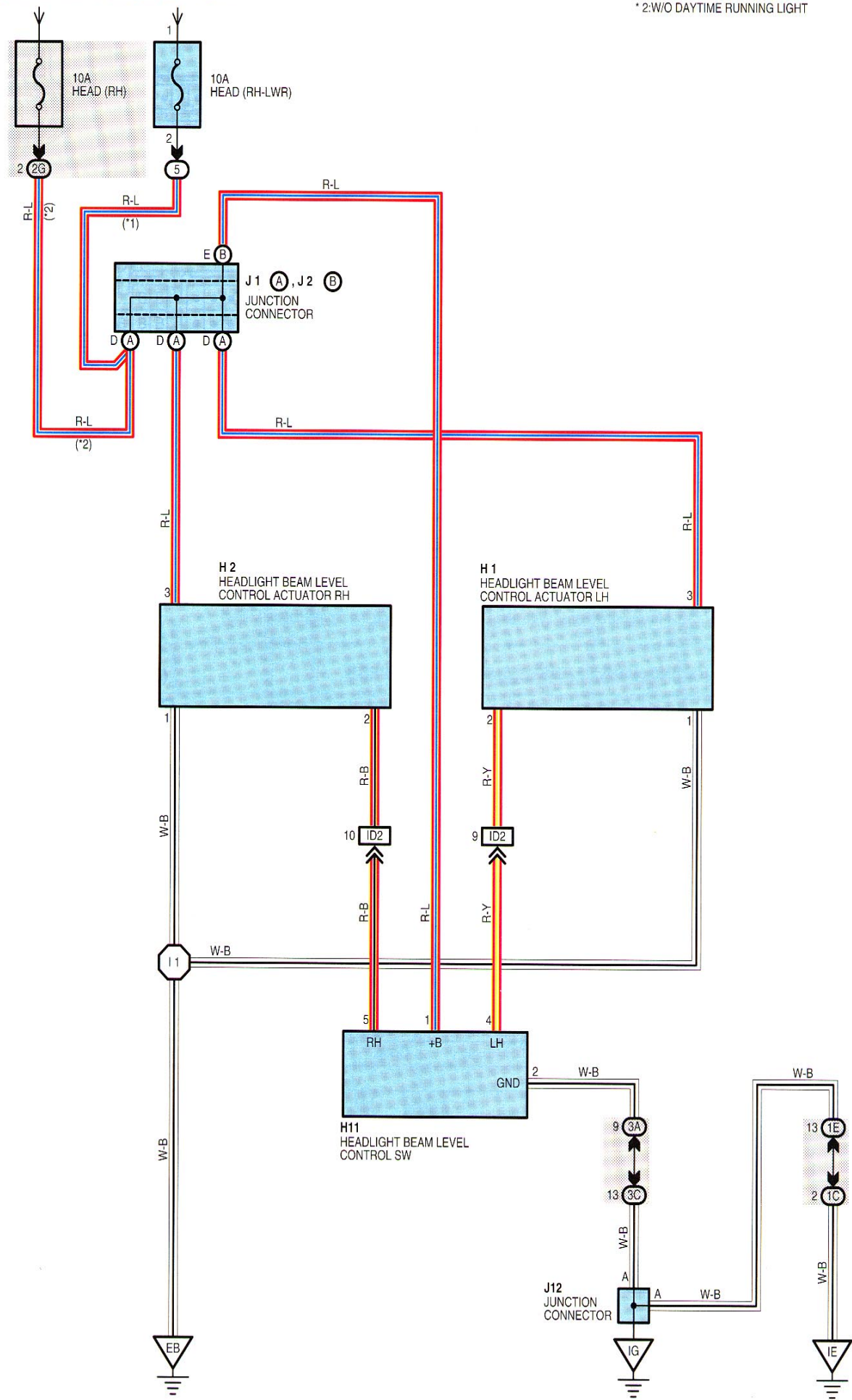
R10 (C)



HEADLIGHT BEAM LEVEL CONTROL(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:W/ DAYTIME RUNNING LIGHT
* 2:W/O DAYTIME RUNNING LIGHT



SERVICE HINTS

H 1, H 2 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH, RH

3-GROUND : Approx. 12 volts with the light control SW at **HEAD** position
1-GROUND : Always continuity

H11 HEADLIGHT BEAM LEVEL CONTROL SW

1-GROUND : Approx. 12 volts with the light control SW at **HEAD** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H 1	70 (LHD 7A-FE)	H 2	70 (LHD 7A-FE)	H11	84 (LHD)
	72 (LHD 4A-FE)		72 (LHD 4A-FE)	J 1	A
	74 (LHD 4E-FE)		74 (LHD 4E-FE)	J 2	B
	80 (LHD 2C-E)		80 (LHD 2C-E)	J12	86 (LHD)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2G	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID2	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)

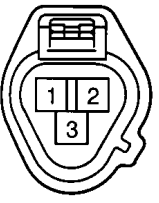
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

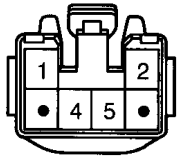
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 1	134 (LHD)	Engine Room Main Wire			

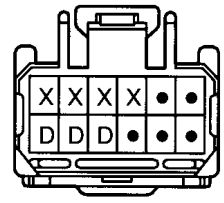
H 1, H 2 BLACK



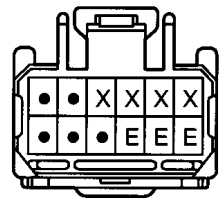
H11



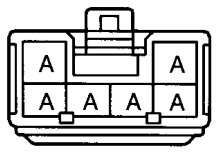
J 1 (A) BLACK



J 2 (B) BLACK



J12

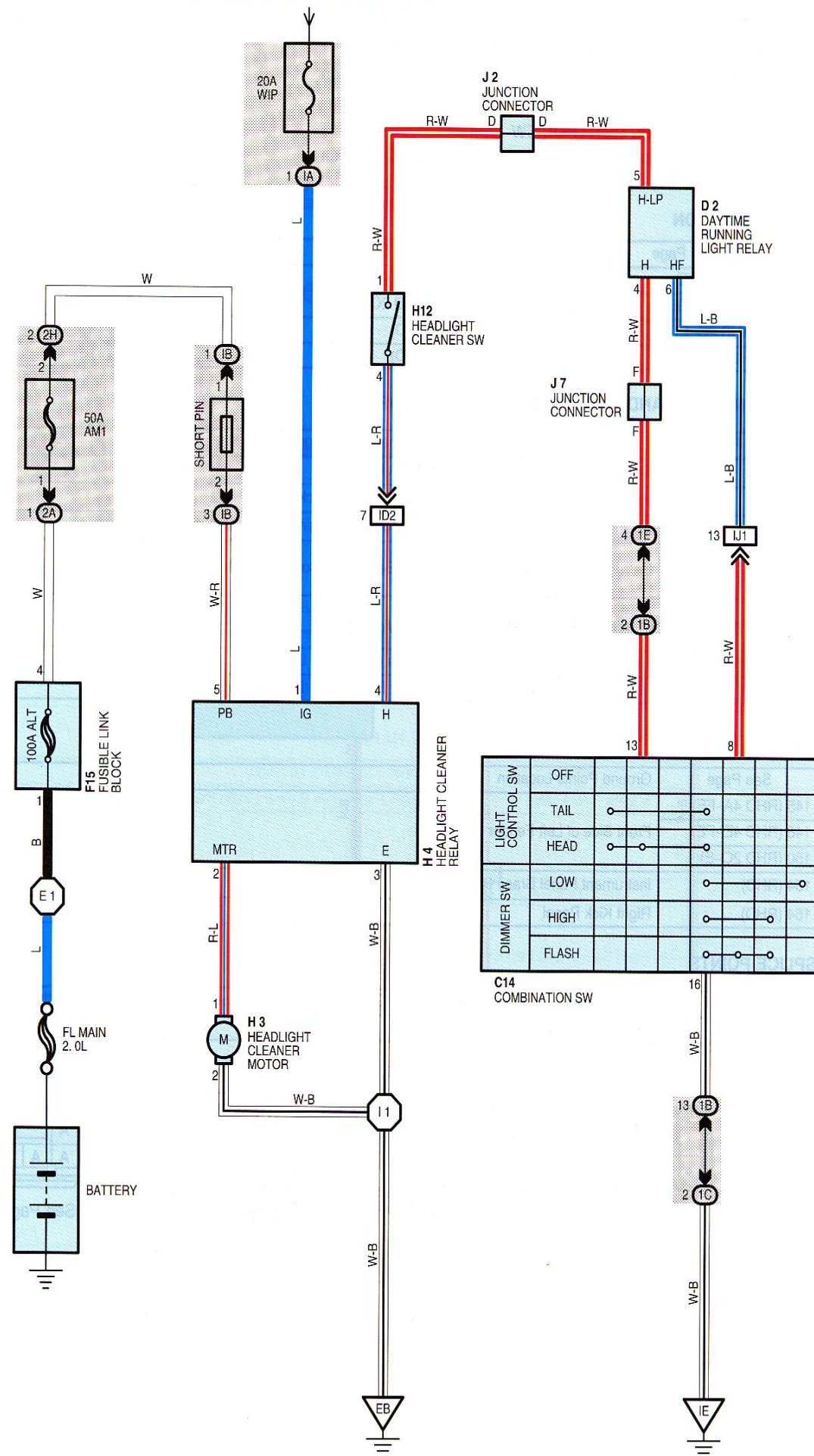


(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

HEADLIGHT CLEANER(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

H 4 HEADLIGHT CLEANER RELAY

5-2: Continuity with the light control SW at **HEAD** position and the headlight cleaner SW on

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	84 (LHD)	H 3	70 (LHD 7A-FE)	H 4	74 (LHD 4E-FE)
D 2	84 (LHD)		72 (LHD 4A-FE)		80 (LHD 2C-E)
F15	70 (LHD 7A-FE)		74 (LHD 4E-FE)	H12	84 (LHD)
	72 (LHD 4A-FE)		80 (LHD 2C-E)	J 2	86 (LHD)
	74 (LHD 4E-FE)	70 (LHD 7A-FE)	J 7	86 (LHD)	
	80 (LHD 2C-E)	72 (LHD 4A-FE)			

D : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2A	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2H	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID2	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)

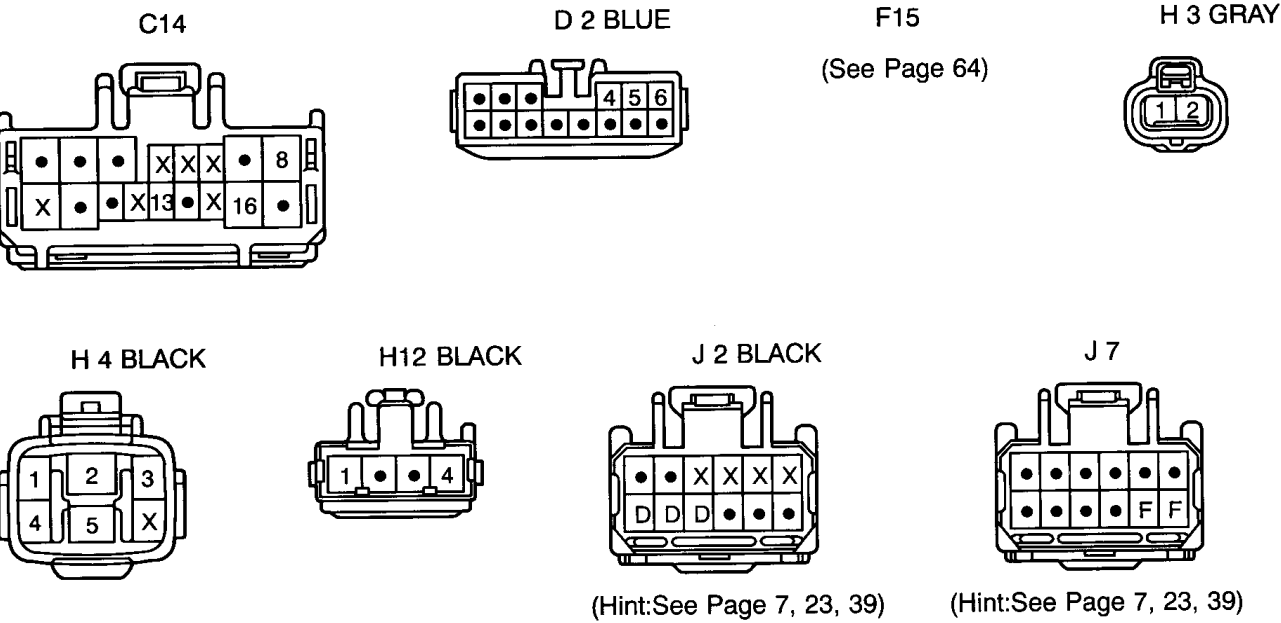
 : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel

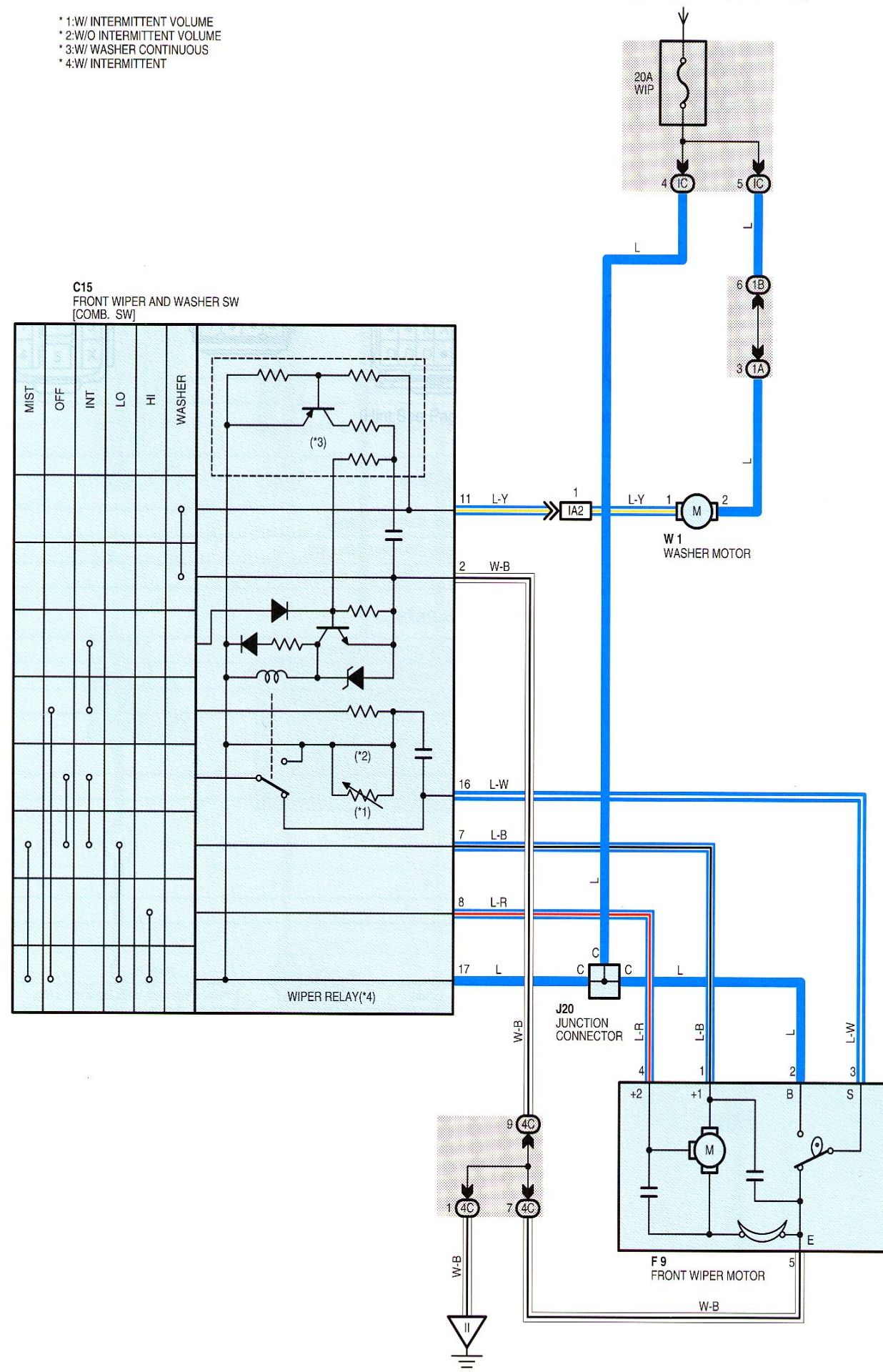
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	123 (LHD 4A-FE)		I 1	134 (LHD)	Engine Room Main Wire
	124 (LHD 4E-FE)				

HEADLIGHT CLEANER(LHD)



- * 1:W/ INTERMITTENT VOLUME
- * 2:W/O INTERMITTENT VOLUME
- * 3:W/ WASHER CONTINUOUS
- * 4:W/ INTERMITTENT



SYSTEM OUTLINE

With the ignition SW turned on, the current flows to **TERMINAL 17** of the front wiper and washer SW, **TERMINAL 2** of the washer motor and **TERMINAL 2** of the front wiper motor through the **WIP** fuse.

1. LOW SPEED POSITION

With wiper SW turned to **LO** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 1** of the front wiper motor to **TERMINAL 5** to **GROUND** and causes to the wiper motor to run at low speed.

2. HIGH SPEED POSITION

With wiper SW turned to **HI** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 8** to **TERMINAL 4** of the front wiper motor to **TERMINAL 5** to **GROUND** and causes to the wiper motor to run at high speed.

3. INT POSITION (w/ INTERMITTENT OPERATION)

With wiper SW turned to **INT** position, the relay operates and the current which is connected by relay function flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 2** to **GROUND**. This flow of current operates the intermittent circuit and the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 1** of the front wiper motor to **TERMINAL 5** to **GROUND** and the functions.

The intermittent operation is controlled by a condenser's charged and discharged function installed in relay and the intermittent time is controlled by a time control SW to charge the charging time of the condenser.

4. MIST POSITION (w/ MIST SW)

With wiper SW turned to **MIST** position, the current flows from **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 1** of the front wiper motor to **TERMINAL 5** to **GROUND** and causes to the front wiper motor to run at low speed.

5. WASHER CONTINUOUS OPERATION

With washer SW turned to on, the current flows from **TERMINAL 2** of the washer motor to **TERMINAL 1** to **TERMINAL 11** of the front wiper and washer SW to **TERMINAL 2** to **GROUND** and causes to the washer motor to run. And window washer is jet. This causes the current to flow to washer continuous operation circuit in **TERMINAL 17** of the front wiper and washer SW to **TERMINAL 7** to **TERMINAL 1** of the front wiper motor to **TERMINAL 5** to **GROUND** and the function.

6. WASHER OPERATION (w/o WASHER CONTINUOUS CONTROL)

With the washer SW turned to on, the current flows from **TERMINAL 2** of the washer motor to **TERMINAL 1** to **TERMINAL 11** of the front wiper and washer SW to **TERMINAL 2** to **GROUND** and causes the washer motor to run and the window washer jet operates only while the washer SW is pressed.

SERVICE HINTS

C15 FRONT WIPER AND WASHER SW [COMB. SW]

2-GROUND: Always continuity

17-GROUND: Approx. **12** volts with ignition SW at **ON** position

7-GROUND: Approx. **12** volts with wiper and washer SW at **LOW** position

: Approx. **12** volts with wiper and washer SW at **MIST** position (w/ mist SW)

: Approx. **12** volts every approx. **1** to **10** seconds intermittently with wiper and washer SW at **INT** position (w/ intermittent operation)

16-GROUND: Approx. **12** volts with ignition SW on unless wiper motor at **STOP** position

8-GROUND: Approx. **12** volts with ignition SW on and wiper and washer SW at **HIGH** position

F 9 FRONT WIPER MOTOR

2-3: Closed unless wiper motor at **STOP** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C15	84 (LHD)	F 9	80 (LHD 2C-E)	W 1	76 (LHD 4A-F)
F 9	70 (LHD 7A-FE)		82 (LHD 2C)		78 (LHD 2E)
	72 (LHD 4A-FE)	J20	80 (LHD 2C-E)		
	74 (LHD 4E-FE)	W 1	70 (LHD 7A-FE)		82 (LHD 2C)
	76 (LHD 4A-F)		72 (LHD 4A-FE)		
	78 (LHD 2E)		74 (LHD 4E-FE)		

FRONT WIPER AND WASHER(LHD)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

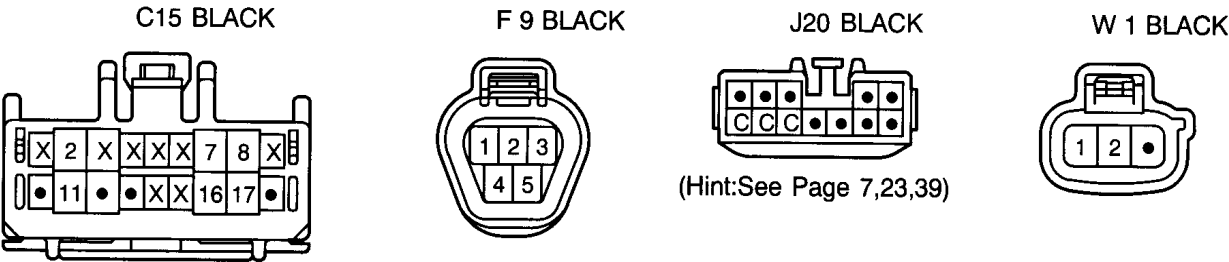
Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)

 : GROUND POINTS

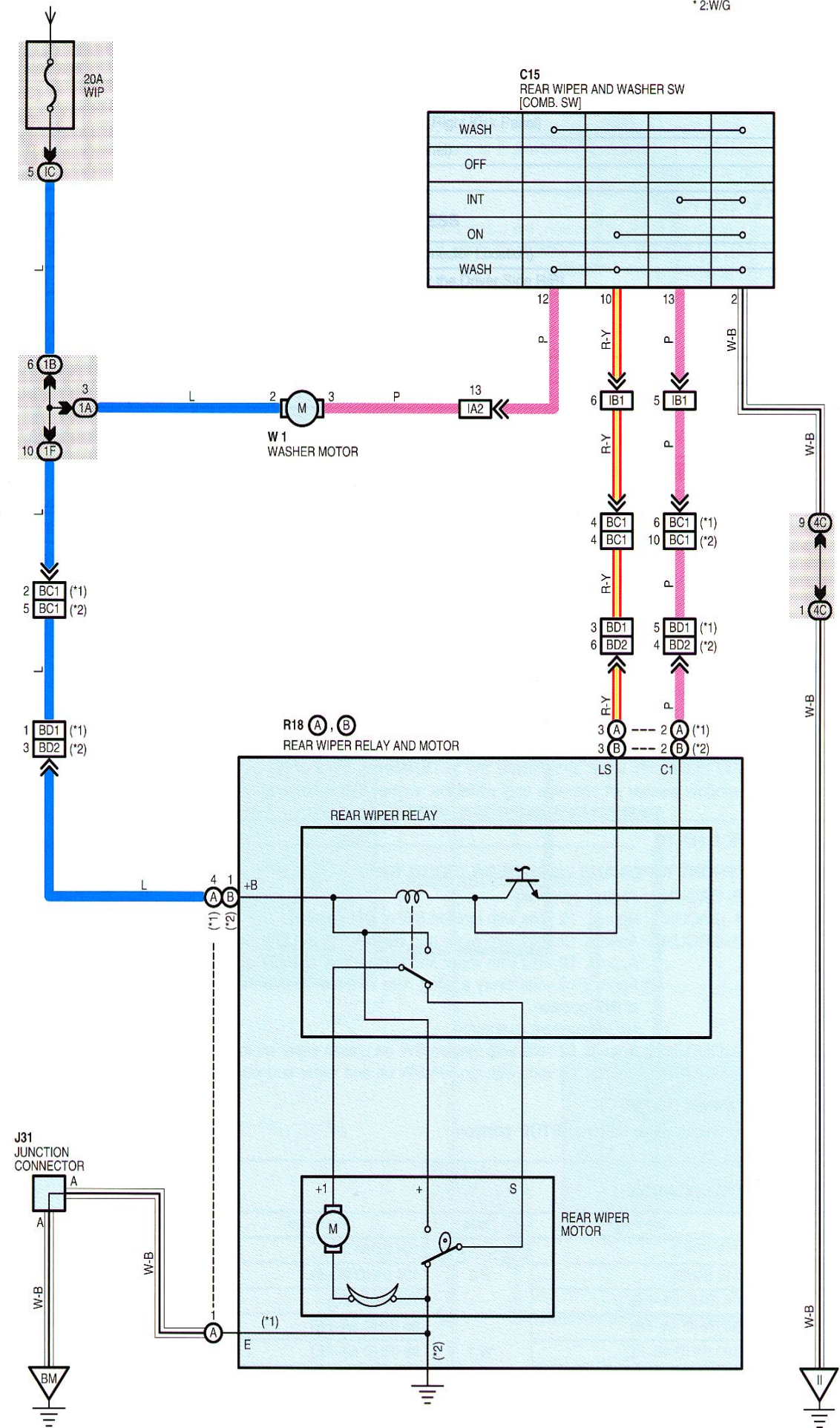
Code	See Page	Ground Points Location
II	132 (LHD)	Right Kick Panel



REAR WIPER AND WASHER(LHD L/B,W/G w/o HEATER)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:L/B
* 2:W/G



SYSTEM OUTLINE

When the ignition SW is turned on, current flows to **TERMINAL 2** of the washer motor, **TERMINAL +B** of the rear wiper relay and motor through the **WIP** fuse.

1. REAR WIPER NORMAL OPERATION

With the ignition SW turned on and rear wiper and washer SW turned on, the current flowing to **TERMINAL +B** of the rear wiper relay and motor flows to **TERMINAL LS** of the rear wiper relay and motor to **TERMINAL 10** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND**. Thus, the relay coil is activated and the current to **TERMINAL +B** of the relay (Point side) flows to **TERMINAL +1** of the rear wiper motor to motor to **GROUND** and causes the motor to operate the wiper.

2. REAR WIPER INTERMITTENT OPERATION

When the ignition SW is on and the rear wiper and washer SW is turned to **INT** position, current flowing to **TERMINAL +B** of the rear wiper relay and motor flows to **TERMINAL C1** of the rear wiper relay and motor to **TERMINAL 13** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND**.

This causes the motor to operate (The point changes) and the intermittent circuit of the relay operates. Intermittent operation of the circuit is controlled by the charging and discharging of the condenser installed inside the relay.

3. WASHER OPERATION

With the ignition SW turned on and the rear wiper and washer SW turned to **ON** position, when the wiper SW is turned further, the current flowing to **TERMINAL 2** of the washer motor flows to **TERMINAL 3** of the motor to **TERMINAL 12** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND** so that the washer motor rotates and the window washer emits a water spray, only while the switch is fully turned.

When the wiper SW is off and then turned to washer on (Wiper off side), Only the washer operates.

SERVICE HINTS

W 1 WASHER MOTOR

- 2-GROUND: Approx. 12 volts with ignition SW at **ON** position
- 3-GROUND: Continuity with washer SW turned on

R18 (A), (B) REAR WIPER RELAY AND MOTOR

- (A) 4, (B) 1-GROUND: Approx. 12 volts with ignition SW at **ON** position
- (A) 2, (B) 2-GROUND: Continuity with rear wiper SW **INT** position
- (A) 3, (B) 3-GROUND: Continuity with rear wiper SW **ON** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C15	84 (LHD)	W 1	70 (LHD 7A-FE)	W 1	78 (LHD 2E)
J31	90 (LHD L/B)		72 (LHD 4A-FE)		80 (LHD 2C-E)
R18	A 90 (LHD L/B)		74 (LHD 4E-FE)		
	B 94 (LHD W/G)		76 (LHD 4A-F)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

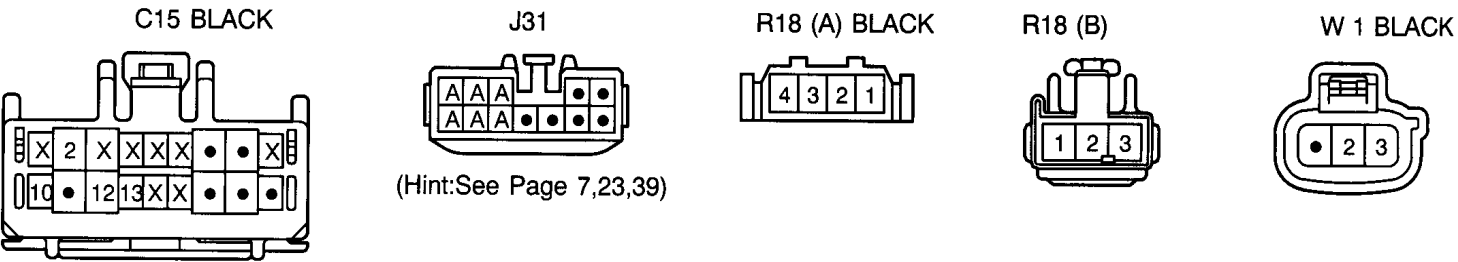
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IB1	132 (LHD)	Floor Wire and Cowl Wire (Near the Driver Side J/B)
BC1	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BD2	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)

REAR WIPER AND WASHER(LHD L/B,W/G w/o HEATER)

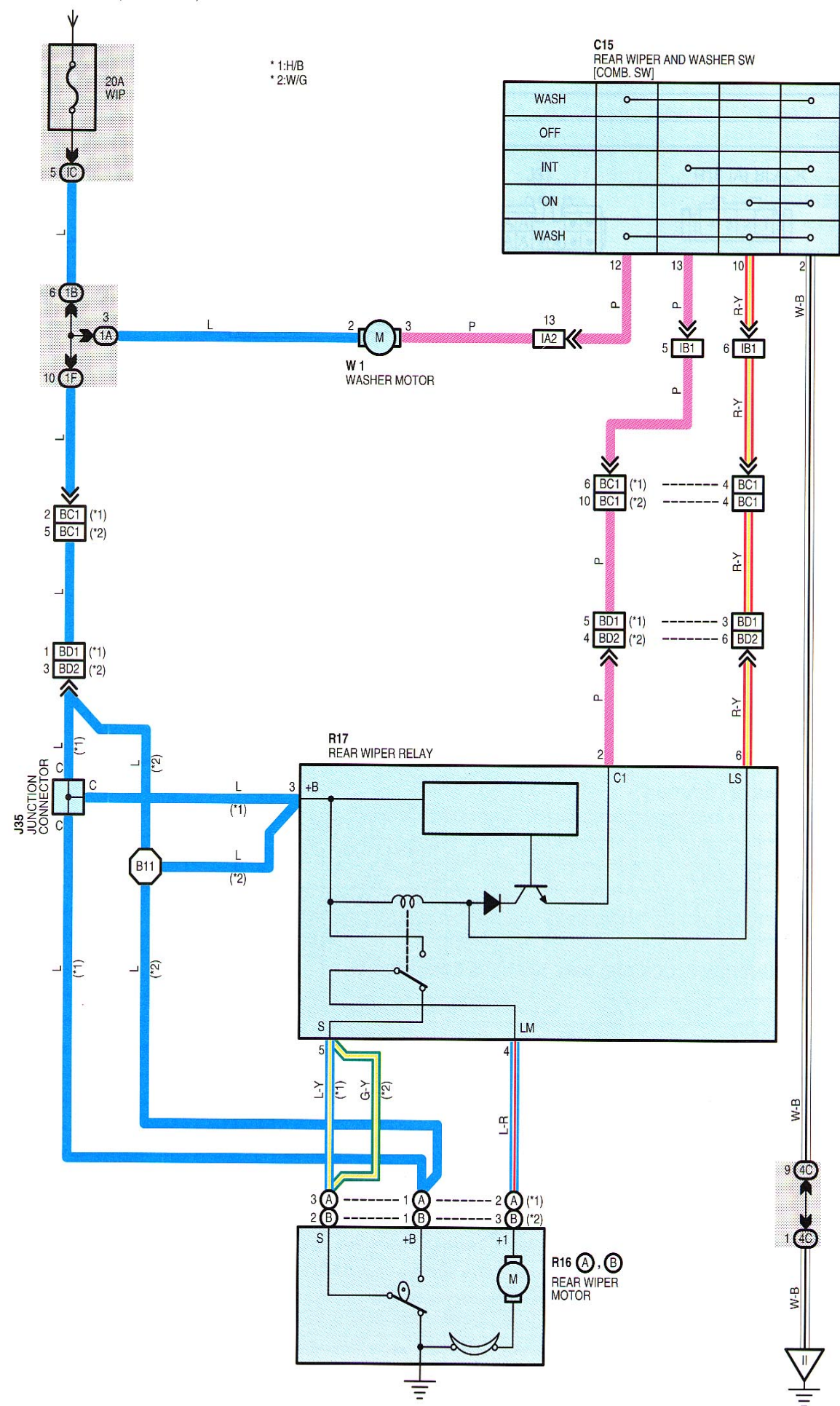
 : GROUND POINTS

Code	See Page	Ground Points Location
II	132 (LHD)	Right Kick Panel
BM	138 (LHD L/B)	Back Door RH



REAR WIPER AND WASHER(LHD H/B,W/G w/ HEATER)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SYSTEM OUTLINE

When the ignition SW is turned on, current flows to **TERMINAL 2** of the washer motor, **TERMINAL 3** of the rear wiper relay and **TERMINAL +B** of the rear wiper motor through the **WIP** fuse.

1. REAR WIPER NORMAL OPERATION

With the ignition SW turned on and the rear wiper and washer SW turned on, the current flowing to **TERMINAL 3** of the rear wiper relay flows to **TERMINAL 6** of the relay to **TERMINAL 10** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND**. Thus, the relay coil is activated and the current to **TERMINAL 3** of the relay flows to **TERMINAL 4** to **TERMINAL +1** of the rear wiper motor to motor to **GROUND** and causes the motor to operate the wiper.

2. REAR WIPER INTERMITTENT OPERATION

When the ignition SW is on and the rear wiper and washer SW is turned to **INT** position, current flowing to **TERMINAL 3** of the rear wiper relay flows to **TERMINAL 2** to **TERMINAL 13** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND**. This causes the motor to operate (The point changes) and the intermittent circuit of the relay operates. Intermittent operation of the circuit is controlled by the charging and discharging of the condenser installed inside the relay.

3. WASHER OPERATION

With the ignition SW turned on and the rear wiper and washer SW turned to **ON** position, when the wiper SW is turned further, the current flowing to **TERMINAL 2** of the washer motor flows to **TERMINAL 3** of the motor to **TERMINAL 12** of the rear wiper and washer SW to **TERMINAL 2** to **GROUND** so that the washer motor rotates and the window washer emits a water spray, only while the switch is fully turned.

When the wiper SW is off and then turned to washer on (Wiper off side), Only the washer operates.

SERVICE HINTS

W 1 WASHER MOTOR

- 2-GROUND: Approx. 12 volts with ignition SW at **ON** position
- 3-GROUND: Continuity with washer SW turned on

R17 REAR WIPER RELAY

- 3-GROUND: Approx. 12 volts with ignition SW at **ON** position
- 2-GROUND: Continuity with rear wiper SW at **INT** position
- 6-GROUND: Continuity with rear wiper SW at **ON** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C15	84 (LHD)	R17	92 (LHD H/B)	W 1	74 (LHD 4E-FE)
J35	92 (LHD H/B)		94 (LHD W/G)		78 (LHD 2E)
R16	A 92 (LHD H/B)	W 1	70 (LHD 7A-FE)		80 (LHD 2C-E)
	B 94 (LHD W/G)		72 (LHD 4A-FE)		

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IB1	132 (LHD)	Floor Wire and Cowl Wire (Near the Driver Side J/B)
BC1	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	140 (LHD H/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BD2	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)

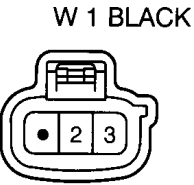
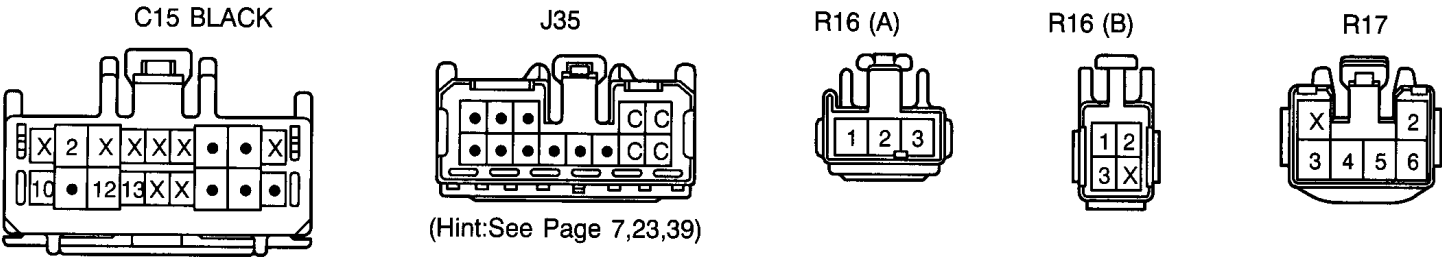
REAR WIPER AND WASHER(LHD H/B,W/G w/ HEATER)

 : GROUND POINTS

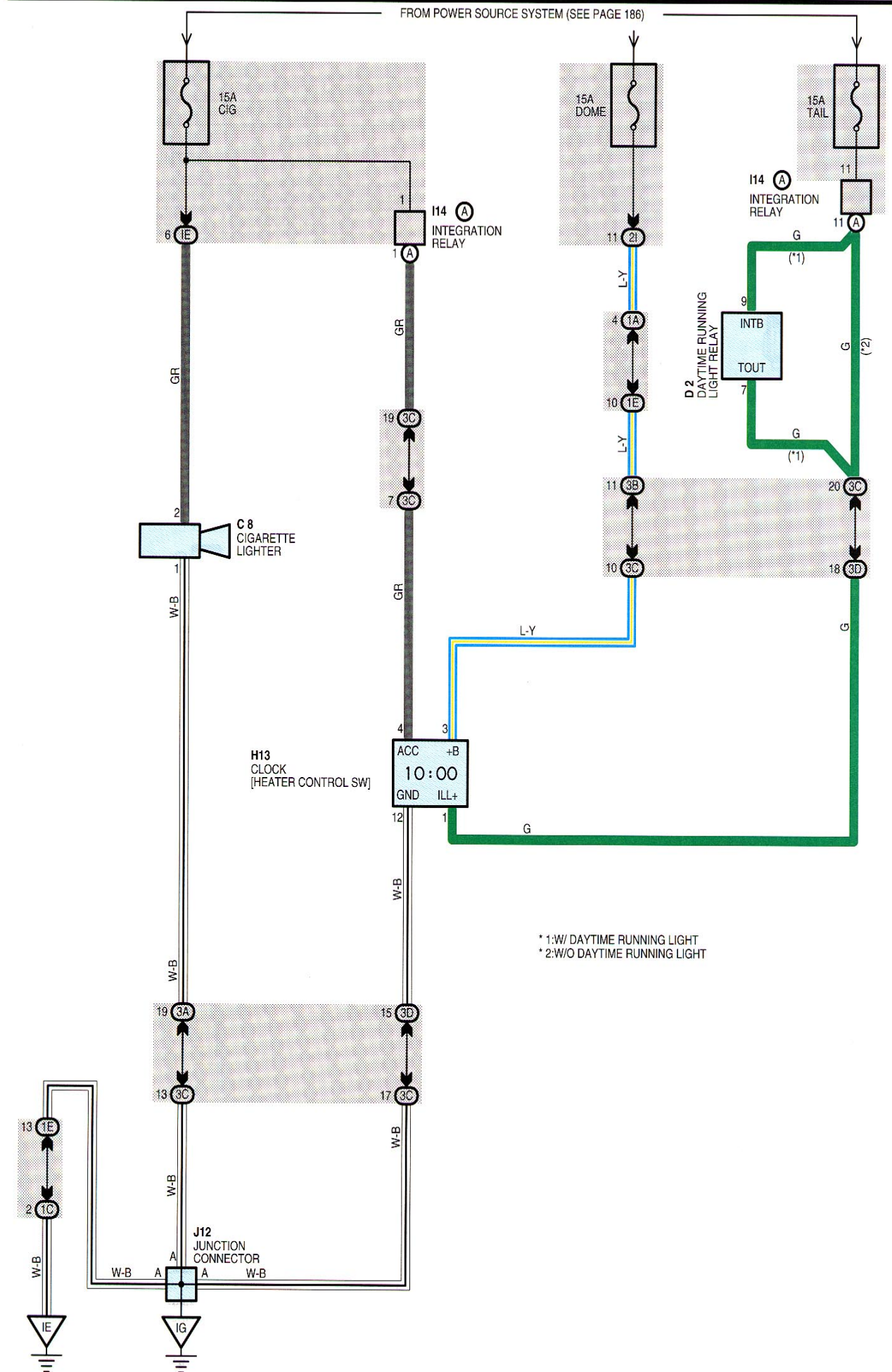
Code	See Page	Ground Points Location
II	132 (LHD)	Right Kick Panel

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B11	142 (LHD W/G)	Back Door No.2 Wire			



CIGARETTE LIGHTER AND CLOCK(LHD)



SERVICE HINTS

C 8 CIGARETTE LIGHTER

2-GROUND: Approx. **12** volts with the ignition SW at **ACC** or **ON** position
1-GROUND: Always continuity

H13 CLOCK [HEATER CONTROL SW]

4-GROUND: Approx. **12** volts with the ignition SW at **ACC** or **ON** position
3-GROUND: Always approx. **12** volts
1-GROUND: Approx. **12** volts with the light control SW at **TAIL** or **HEAD** position
12-GROUND: Always continuity

○ : PARTS LOCATION

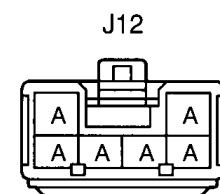
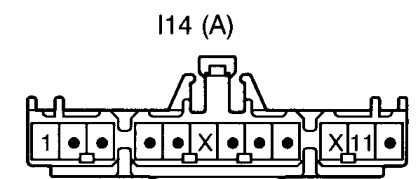
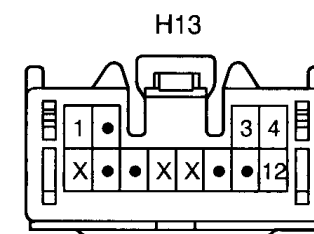
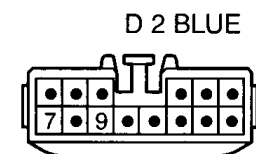
Code	See Page	Code	See Page	Code	See Page
C 8	84 (LHD)	H13	84 (LHD)	J12	86 (LHD)
D 2	84 (LHD)	I14	A 84 (LHD)		

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		
3D		

 : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

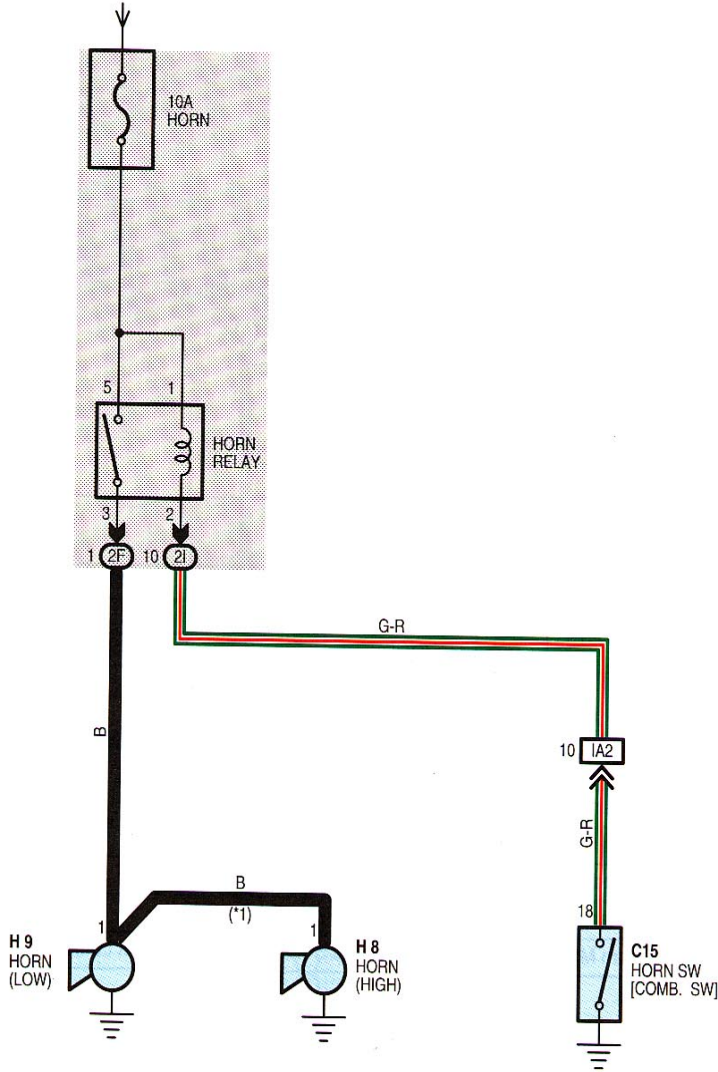


(Hint: See Page 7, 23, 39)

HORN(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:W/ DOUBLE HORN



SERVICE HINTS

HORN RELAY

5-3 :Closed with the horn SW on.

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C15	84 (LHD)	H 8	82 (LHD 2C)		
	70 (LHD 7A-FE)		70 (LHD 7A-FE)		
	72 (LHD 4A-FE)		72 (LHD 4A-FE)		
	76 (LHD 4A-F)		74 (LHD 4E-FE)		
	78 (LHD 2E)		76 (LHD 4A-F)		



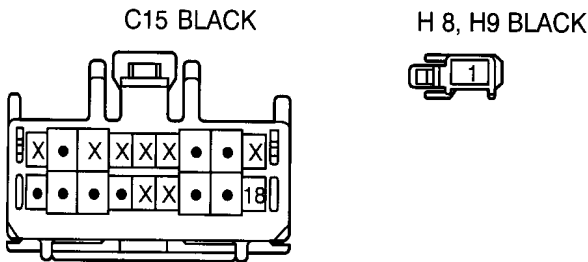
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		



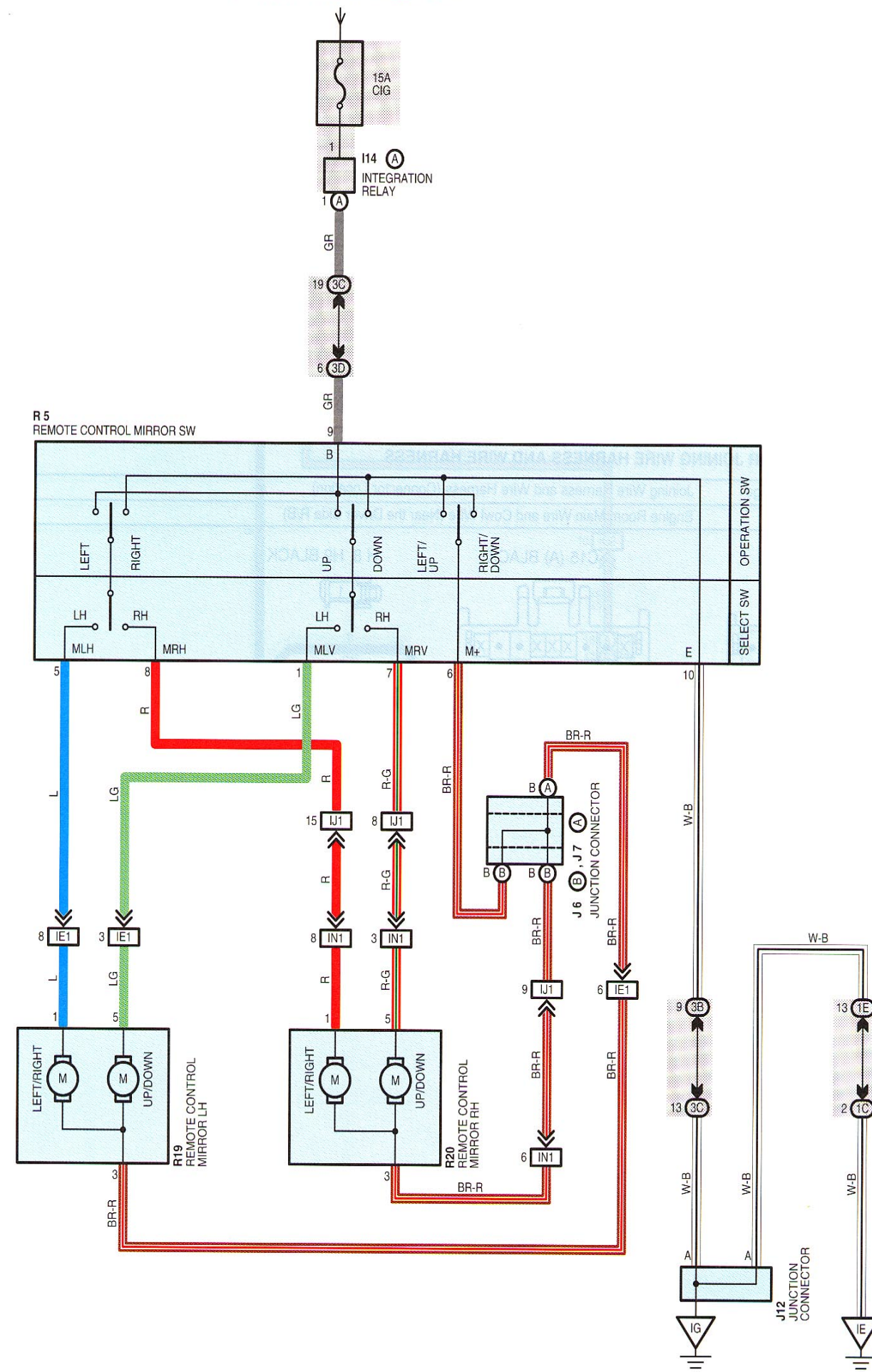
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
1A2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)



REMOTE CONTROL MIRROR(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

R 5 REMOTE CONTROL MIRROR SW

9-6: Continuity with the operation SW at **DOWN** or **RIGHT** position

6-10: Continuity with the operation SW at **UP** or **LEFT** position

9-GROUND: Approx. **12** volts with the ignition SW at **ACC** or **ON** position

10-GROUND: Always continuity

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
I14	A	84 (LHD)	R19	88 (LHD S/D)	R20	90 (LHD L/B)
J 6	B	86 (LHD)		90 (LHD L/B)		92 (LHD H/B)
J 7	A	86 (LHD)		92 (LHD H/B)		94 (LHD W/G)
J12		86 (LHD)		94 (LHD W/G)		
R 5		86 (LHD)	R20	88 (LHD S/D)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

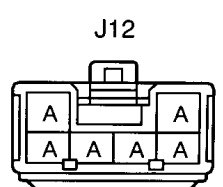
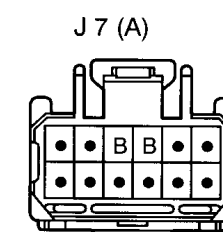
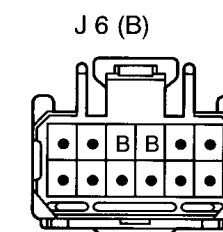
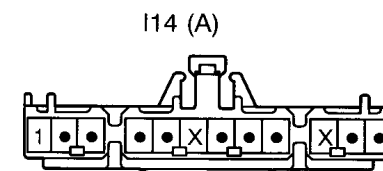
Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		
3D		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IN1	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)

 : GROUND POINTS

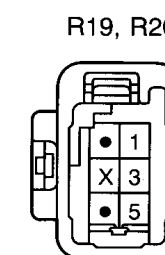
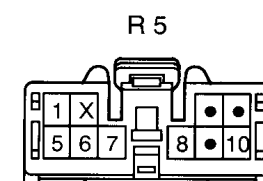
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH



(Hint: See Page 7, 23, 39)

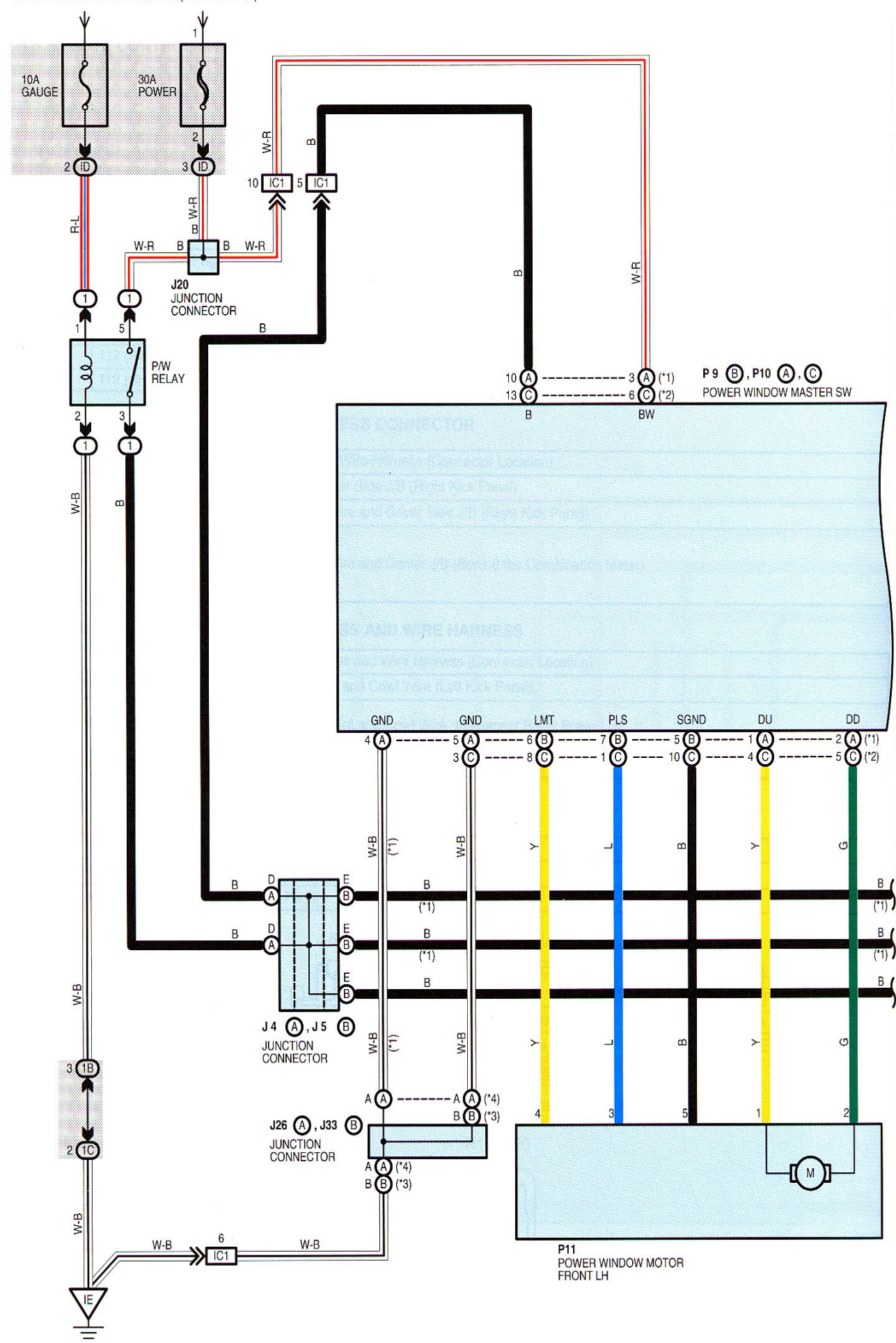
(Hint: See Page 7, 23, 39)

(Hint: See Page 7, 23, 39)



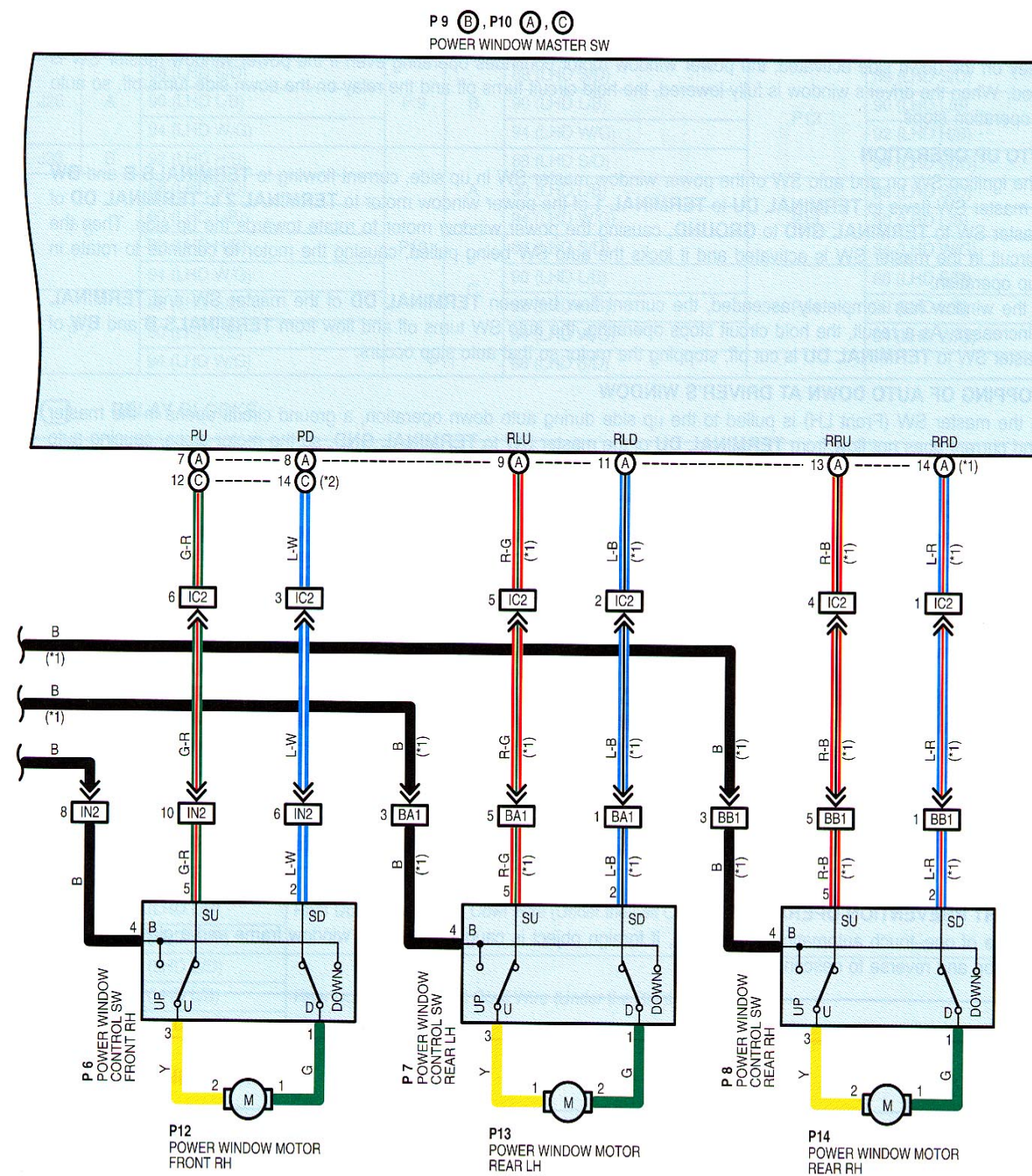
POWER WINDOW(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



* 1:4-DOOR CONTROL POWER WINDOW
* 2:EXCEPT 4-DOOR CONTROL POWER WINDOW

* 3:H/B
* 4:EXCEPT H/B



SYSTEM OUTLINE

When the ignition SW turned on, current flows through the **GAUGE** fuse to **TERMINAL 1** of the P/W relay to **TERMINAL 2** to **GROUND**. This activates the relay and the current flowing to **TERMINAL 5** of the relay from **POWER** fuse flows to **TERMINAL 3** of the relay to **TERMINAL B** of the power window master SW, **TERMINAL 4** of the power window control SW.

1. MANUAL OPERATION (DRIVER'S WINDOW)

With the ignition SW turned on and with the power window master SW (Front LH) in **UP** position, the current flowing to **TERMINAL B** of the power window master SW flows to **TERMINAL DU** of the master SW to **TERMINAL 1** of the power window motor to **TERMINAL 2** to **TERMINAL DD** of the master SW to **TERMINAL GND** to **GROUND** and causes the power window motor to rotate in the up direction. The window ascends only while the SW is being pushed. In down operation, the flows of current from to **TERMINAL B** of the power window master SW to **TERMINAL DD** of the master SW causes the flow of current from **TERMINAL 2** of the motor to **TERMINAL 1** to **TERMINAL DU** of the master SW to **TERMINAL GND** to **GROUND**, flowing in the opposite direction to manual up operation and causing the motor to rotate in reverse, lowering the window.

2. AUTO DOWN OPERATION (DRIVER'S WINDOW)

When the front LH window control SW in the power window master SW is pushed strongly on the down side, current flows from **TERMINAL B** of the master SW to **TERMINAL DD** to **TERMINAL 2** of the power window motor to **TERMINAL 1** to **TERMINAL DU** of the master SW to **TERMINAL GND** to **GROUND**. Because the hold circuit inside the master SW keeps the relay on the down side activated, the power window motor continues operating even if the power window master SW is released. When the driver's window is fully lowered, the hold circuit turns off and the relay on the down side turns off, so auto down operation stops.

3. AUTO UP OPERATION

With the ignition SW on and auto SW of the power window master SW in up side, current flowing to **TERMINALS B** and **BW** of the master SW flows to **TERMINAL DU** to **TERMINAL 1** of the power window motor to **TERMINAL 2** to **TERMINAL DD** of the master SW to **TERMINAL GND** to **GROUND**, causing the power window motor to rotate towards the up side. Then the hold circuit in the master SW is activated and it locks the auto SW being pulled, causing the motor to continue to rotate in auto up operation.

when the window has completely ascended, the current flow between **TERMINAL DD** of the master SW and **TERMINAL GND** increases. As a result, the hold circuit stops operating, the auto SW turns off and flow from **TERMINALS B** and **BW** of the master SW to **TERMINAL DU** is cut off, stopping the motor so that auto stop occurs.

4. STOPPING OF AUTO DOWN AT DRIVER'S WINDOW

When the master SW (Front LH) is pulled to the up side during auto down operation, a ground circuit opens in the master SW and current does not flow from **TERMINAL DU** of the master SW to **TERMINAL GND**, so the motor stops, causing auto down operation to stop. If the master SW is pulled continuous, the motor rotates in the up direction in manual up operation.

5. STOPPING OF AUTO UP AT DRIVER'S WINDOW

When the master SW (Front LH) is pushed to down side during auto up operation, a ground circuit opens in the master SW and current does not flow from **TERMINAL DD** of the master SW to **TERMINAL GND**, so the motor stops, causing auto up operation to stop. If the master SW is pulled continuous the motor rotates in the down direction in down operation.

6. MANUAL OPERATION BY POWER WINDOW SW (FRONT RH WINDOW)

With the power window control SW (Front RH) pulled to the up side, current flowing from **TERMINAL 4** of the power window control SW flows to **TERMINAL 3** to **TERMINAL 2** of the power window motor to **TERMINAL 1** to **TERMINAL 1** of the power window control SW to **TERMINAL 2** to **TERMINAL PD** of the master SW to **TERMINAL GND** to **GROUND** and causes the power window motor (Front RH) to rotate in the up direction. Up operation continues only while the power window control SW is pulled to the up side. When the window descends, the current flowing to the motor flows in the opposite direction, from **TERMINAL 2** to **TERMINAL 1**, and the motor rotates in reverse. When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is tried, the current from **TERMINAL GND** of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs. furthermore rear LH, RH window operate the same as the above circuit.

7. CAUGHT PREVENTION OPERATION

At the time of one-touch automatic up operation, if foreign object is caught between a window frame and a glass, the glass rise will stop and reverse to descend.

SERVICE HINTS

P10 (A), (C) POWER WINDOW MASTER SW

- B-GROUND: Approx. 12 volts with the ignition SW at **ON** position
- BW-GROUND: Always Approx. 12 volts
- DU-GROUND: Approx. 12 volts with the ignition SW on and master SW (Front LH window) at **UP** or **AUTO UP** posotion
- DD-GROUND: Approx. 12 volts with the ignition SW on and master SW (Front LH window) at **DOWN** or **AUTO DOWN** position
- GND-GROUND: Always continuity

WINDOW LOCK SW

Open with window lock SW at **LOCK** position

⊙ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
J 4	A	86 (LHD)	P 8		88 (LHD S/D)	P 11	90 (LHD L/B)
J 5	B	86 (LHD)			90 (LHD L/B)		92 (LHD H/B)
J20		86 (LHD)			94 (LHD W/G)		94 (LHD W/G)
J26	A	88 (LHD S/D)	P 9	B	88 (LHD S/D)	P 12	88 (LHD S/D)
		90 (LHD L/B)			90 (LHD L/B)		90 (LHD L/B)
		94 (LHD W/G)			94 (LHD W/G)		92 (LHD H/B)
J33	B	92 (LHD H/B)	P 10	A	88 (LHD S/D)	P 13	94 (LHD W/G)
P 6		88 (LHD S/D)			90 (LHD L/B)		88 (LHD S/D)
		90 (LHD L/B)			94 (LHD W/G)		90 (LHD L/B)
		92 (LHD H/B)		C	88 (LHD S/D)	94 (LHD W/G)	
P 7	94 (LHD W/G)	90 (LHD L/B)			P 14	88 (LHD S/D)	
	88 (LHD S/D)	92 (LHD H/B)				90 (LHD L/B)	
	90 (LHD L/B)	94 (LHD W/G)	94 (LHD W/G)				
			P 11		88 (LHD S/D)		

⊖ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

⊙ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		

⊠ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

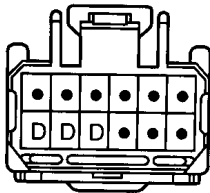
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (LHD)	Front Door LH Wire and Cowl Wire (Near the Driver Side J/B)
IC2		
IN2	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	136 (LHD S/D)	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	
BB1	136 (LHD S/D)	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

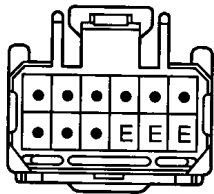
POWER WINDOW(LHD)

J 4 (A) BLACK



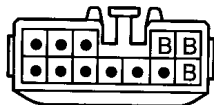
(Hint:See Page 7,23,39)

J 5 (B) BLACK



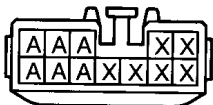
(Hint:See Page 7,23,39)

J20 BLACK



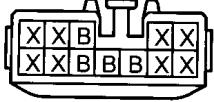
(Hint:See Page 7,23,39)

J26 (A)



(Hint:See Page 7,23,39)

J33 (B)

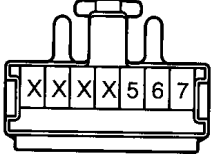


(Hint:See Page 7,23,39)

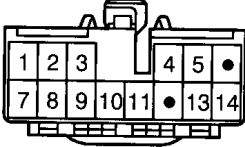
P 6, P 7, P 8



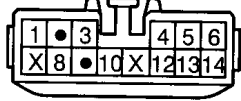
P 9 (B)



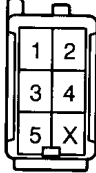
P10 (A)



P10 (C)



P11

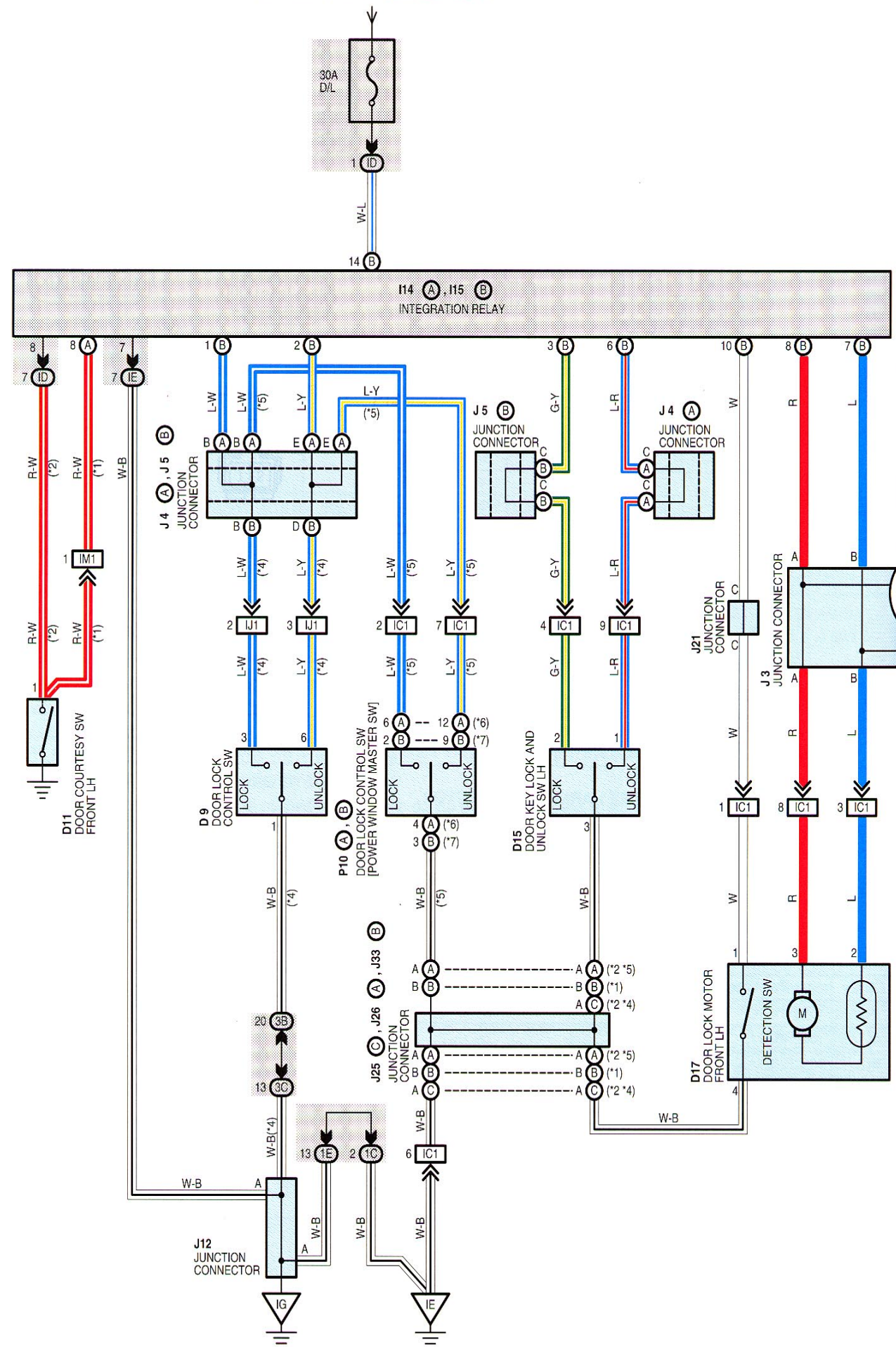


P12, P13, P14



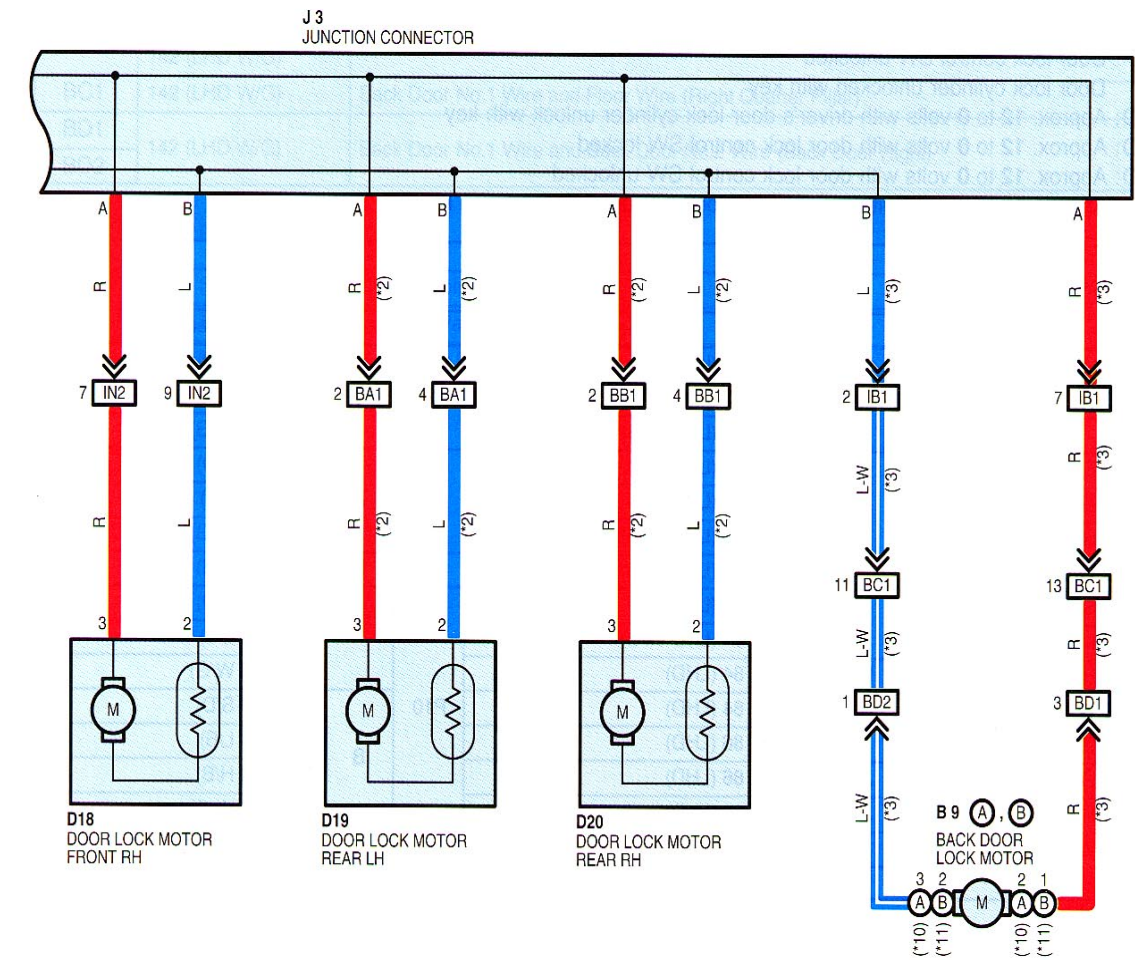
DOOR LOCK CONTROL(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



486

- * 1:H/B
- * 2:EXCEPT H/B
- * 3:W/ BACK DOOR LOCK CONTROL
- * 4:W/O POWER WINDOW
- * 5:W/ POWER WINDOW
- * 6:4-DOOR CONTROL POWER WINDOW
- * 7:EXCEPT 4-DOOR CONTROL POWER WINDOW
- * 10:W/ HEATER
- * 11:W/O HEATER



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DOOR LOCK CONTROL(LHD)

SYSTEM OUTLINE

Current always flows to **TERMINAL (B) 14** of the integration relay through the **D/L** fuse.

1. MANUAL LOCK OPERATION

To change the door lock control SW or door key lock and unlock SW LH to the **LOCK** position, a lock signal is input to **TERMINAL (B) 1** or **(B) 3** of the integration relay and causes the relay function. Current flows from the **TERMINAL (B) 14** of the relay to **TERMINAL (B) 7** to **TERMINALS 2** (Front and rear doors) of the door lock motor, **TERMINAL (A) 3** or **(B) 2** of the back door lock motor to **TERMINALS 3** (Front and rear doors), **TERMINAL (A) 2** or **(B) 1** (Back door) to **TERMINAL (B) 8** of the relay to **TERMINAL 7** to **GROUND** and the door lock motor causes the door to lock.

2. MANUAL UNLOCK OPERATION

To change the door lock control SW or door key lock and unlock SW LH to the **UNLOCK** position, a unlock signal is input to **TERMINALS (B) 2** or **(B) 6** of the integration relay and causes the relay function.

Current flows from the **TERMINAL (B) 14** of the relay to **TERMINAL (B) 8** to **TERMINALS 3** (Front and rear doors) of the door lock motor, **TERMINAL (A) 2** or **(B) 1** of the back door lock motor to **TERMINALS 2** (Front and rear doors), **TERMINAL (A) 3** or **(B) 2** (Back door) to **TERMINAL (B) 7** of the relay to **TERMINAL 7** to **GROUND** and the door lock motor causes the door to lock.

SERVICE HINTS

I14 (A), I15 (B) INTEGRATION RELAY

(B) 14-GROUND: Always approx. 12 volts

7-GROUND: Always continuity

(B) 7-GROUND: Approx. 12 volts 0.2 seconds with following operation

Door lock control SW locked

Door lock cylinder locked with key

(B) 8-GROUND: Approx. 12 volts 0.2 seconds with following operation

Door lock control SW unlocked

Door lock cylinder unlocked with key

(B) 6-GROUND: Approx. 12 to 0 volts with driver's door lock cylinder unlock with key

(B) 1-GROUND: Approx. 12 to 0 volts with door lock control SW locked

(B) 2-GROUND: Approx. 12 to 0 volts with door lock control SW unlocked

(B) 3-GROUND: Approx. 12 to 0 volts with driver's door lock cylinder unlocked with key

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B 9	A 94 (LHD W/G)	D18	90 (LHD L/B)	J25	88 (LHD S/D)
	B 94 (LHD W/G)		92 (LHD H/B)		90 (LHD L/B)
D 9	84 (LHD)		94 (LHD W/G)		94 (LHD W/G)
D11	88 (LHD S/D)	D19	88 (LHD S/D)	J26	88 (LHD S/D)
	90 (LHD L/B)		90 (LHD L/B)		90 (LHD L/B)
	92 (LHD H/B)		94 (LHD W/G)		94 (LHD W/G)
	94 (LHD W/G)	D20	88 (LHD S/D)	J33	92 (LHD H/B)
D15	88 (LHD S/D)		90 (LHD L/B)		88 (LHD S/D)
	90 (LHD L/B)		94 (LHD W/G)		90 (LHD L/B)
	92 (LHD H/B)	I14 A	84 (LHD)		94 (LHD W/G)
	94 (LHD W/G)	I15 B	84 (LHD)	P10	88 (LHD S/D)
D17	88 (LHD S/D)	J 3	86 (LHD)		90 (LHD L/B)
	90 (LHD L/B)	J 4 A	86 (LHD)		92 (LHD H/B)
	92 (LHD H/B)	J 5 B	86 (LHD)		94 (LHD W/G)
	94 (LHD W/G)	J12	86 (LHD)		
D18	88 (LHD S/D)	J21	86 (LHD)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	132 (LHD)	Floor Wire and Cowl Wire (Near the Driver Side J/B)
IC1	132 (LHD)	Front Door LH Wire and Cowl Wire (Near the Driver Side J/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)
IN2	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	136 (LHD S/D)	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	
BB1	136 (LHD S/D)	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BD2		

▽ : GROUND POINTS

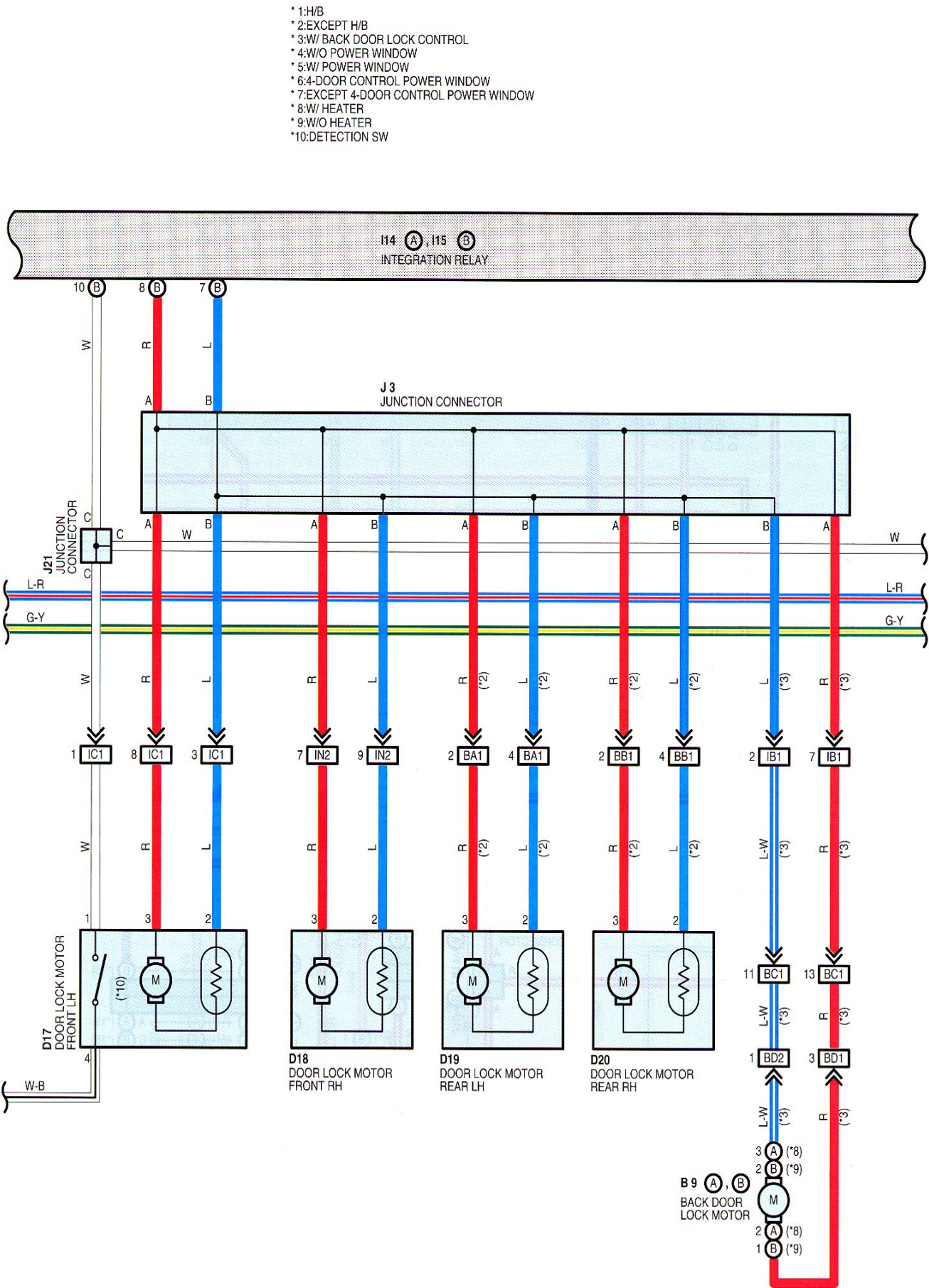
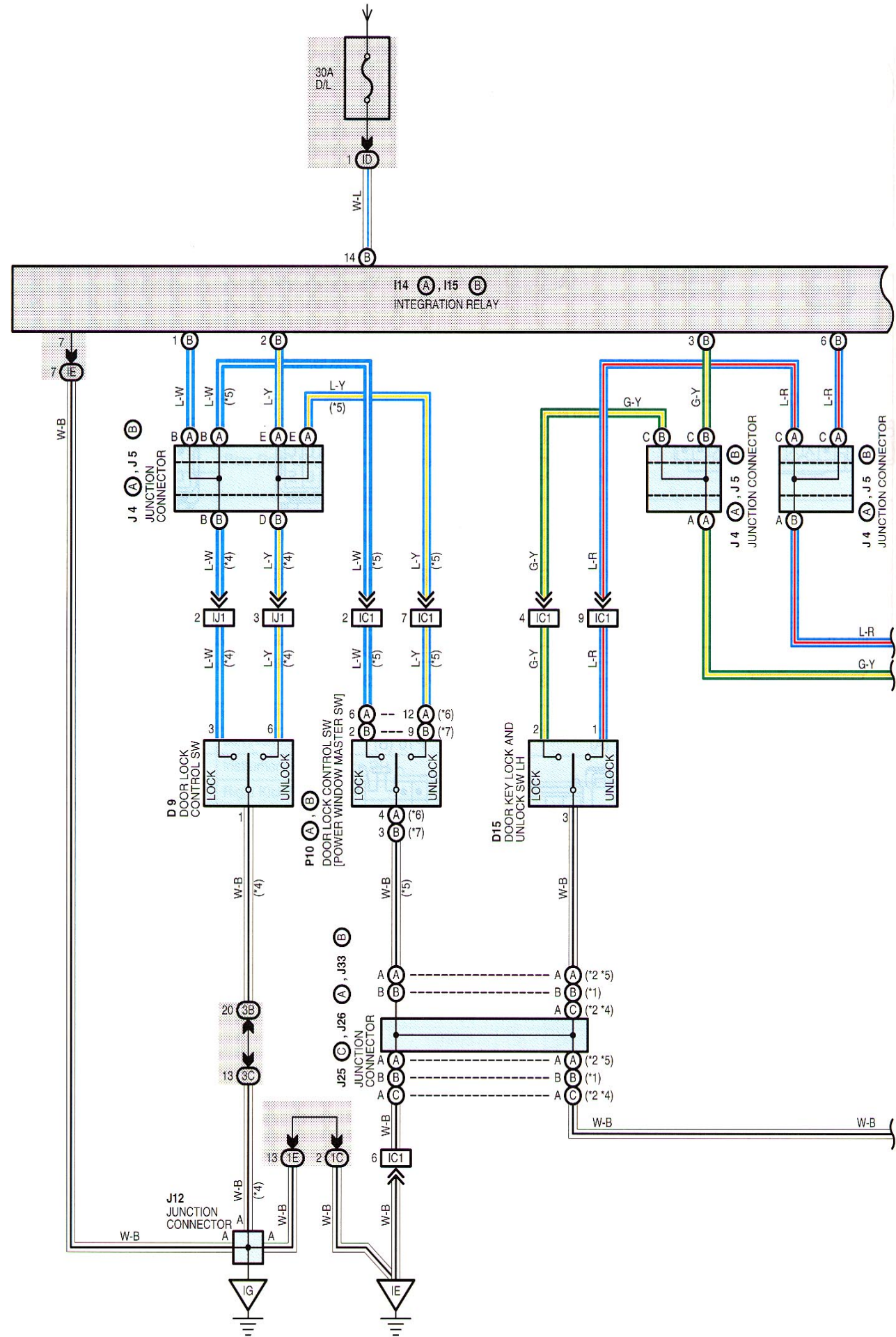
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

DOOR LOCK CONTROL(LHD)

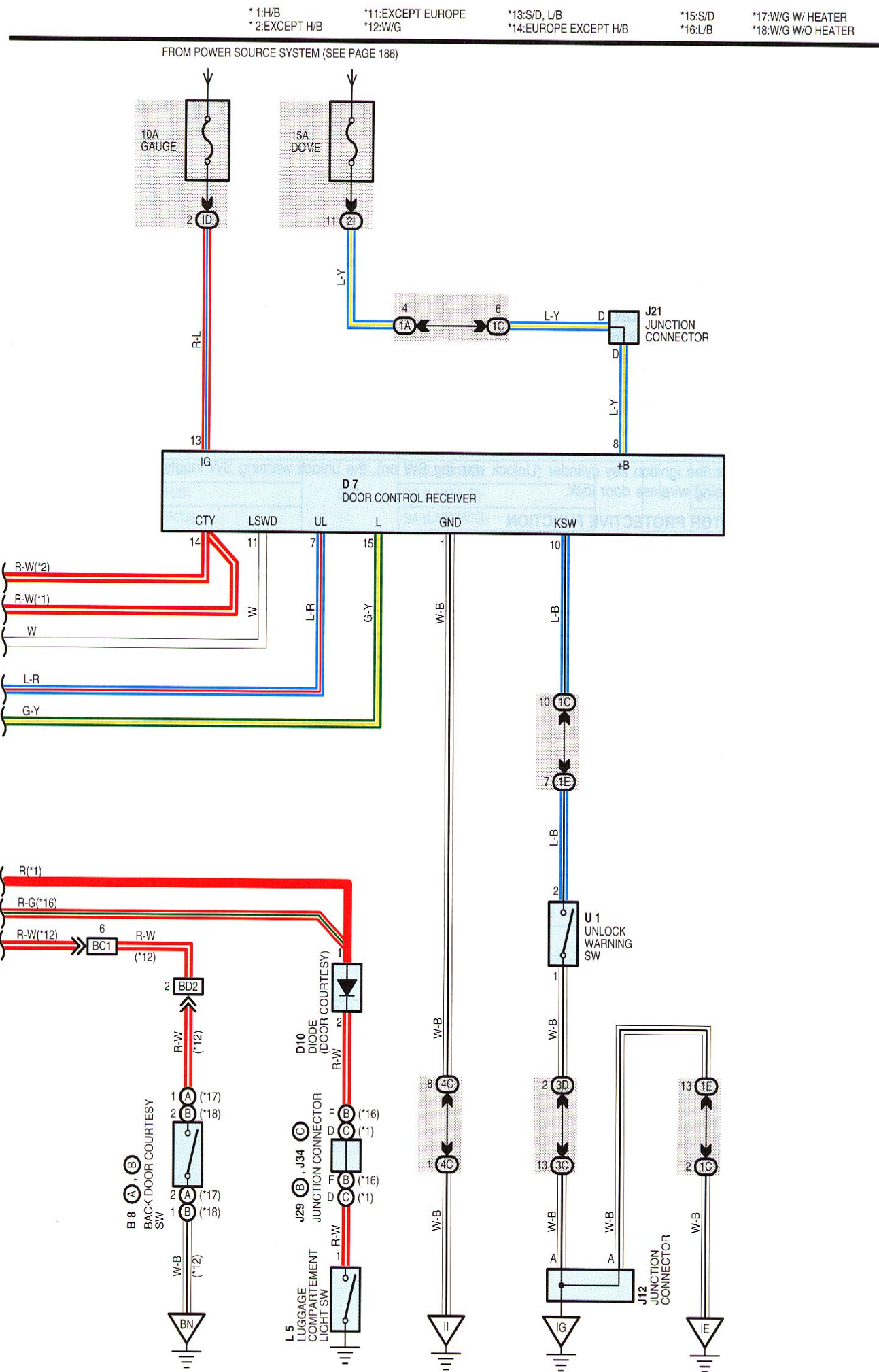
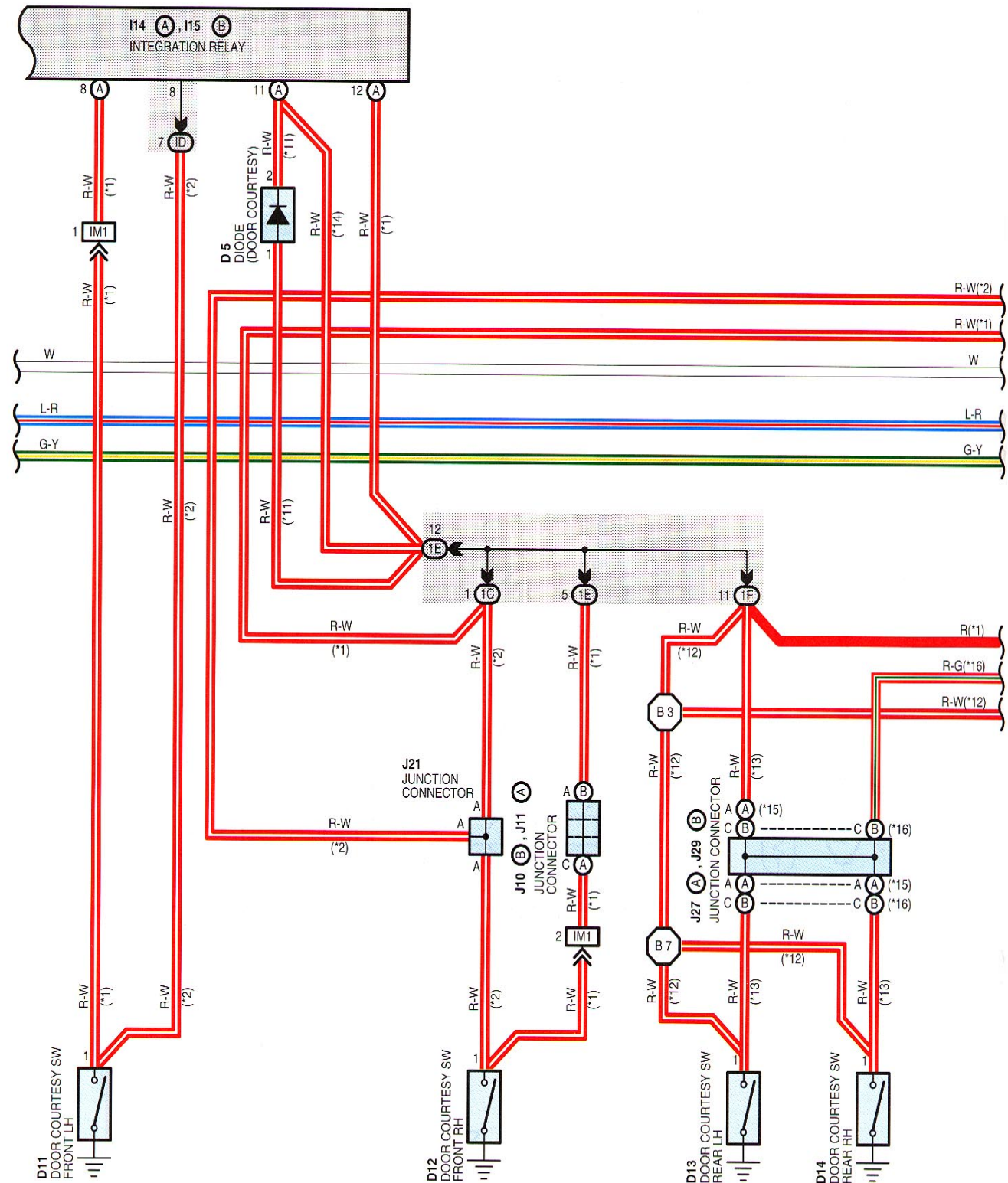
1	2
3	X

WIRELESS DOOR LOCK CONTROL(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



WIRELESS DOOR LOCK CONTROL(LHD)



WIRELESS DOOR LOCK CONTROL(LHD)

SYSTEM OUTLINE

Door lock control (Lock and unlock) is performed by remote control, without the ignition key inserted in the door key cylinder, using low-power electrical waves emitted by a transmitter.

1. WIRELESS DOOR LOCK OR UNLOCK NORMAL OPERATION
With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, when the lock or unlock button (Transmitter) is pushed, the door control receiver receives the electrical waves from the transmitter, causing it to operate.
As a result, the receiver judges whether the door is locked or unlocked based on the signal from the door lock motor and door unlock detection SW, and sends a signal to the integration relay to switch the condition from lock to unlock or vice versa, causing the door lock motor to operate.

2. AUTOMATIC LOCK OPERATION
With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, after pushing the button (Transmitter) to unlock all the doors, if a door is not opened within **30** seconds, all the doors will be automatically relocked.

3. WIRELESS CONTROL STOP FUNCTION
If a door is open (Door courtesy SW on), a signal is input from the door courtesy SW to the door control receiver, stopping wireless door lock or unlock.
If the ignition key is in the ignition key cylinder (Unlock warning SW on), the unlock warning SW inputs a signal to the door control receiver, stopping wireless door lock.

4. DOOR LOCK MOTOR PROTECTIVE FUNCTION
If the door lock or unlock condition does not change after wireless door lock or unlock operation, **2** seconds later, the integration relay sends current three times to the door lock motor. If the door lock condition still has not changed, as a result, the door control receiver stops reception and stops door lock and unlock function.

SERVICE HINTS

D11, D12, D13, D14 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH
1-GROUND:Closed with the door open

U 1 UNLOCK WARNING SW
2-1 :Closed with the ignition key in the cylinder

D 7 DOOR CONTROL RECEIVER
8-GROUND:Always approx. **12** volts
1-GROUND:Always continuity
14-GROUND:Continuity with each of the door open
10-GROUND:Continuity with the ignition key in the cylinder

 : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page	
B 8	A	94 (LHD W/G)	D 15	90 (LHD L/B)		J12		86 (LHD)	
	B	94 (LHD W/G)		92 (LHD H/B)		J21		86 (LHD)	
B 9	A	94 (LHD W/G)		D 17	94 (LHD W/G)		J25	C	88 (LHD S/D)
	B	94 (LHD W/G)	88 (LHD S/D)		90 (LHD L/B)				
D 5		84 (LHD)	90 (LHD L/B)		94 (LHD W/G)				
D 7		84 (LHD)	92 (LHD H/B)		J26	A	88 (LHD S/D)		
D 9		84 (LHD)	94 (LHD W/G)				90 (LHD L/B)		
							94 (LHD W/G)		
D10	90 (LHD L/B)		D 18	88 (LHD S/D)		J27	A	88 (LHD S/D)	
	92 (LHD H/B)			90 (LHD L/B)				90 (LHD L/B)	
D11	88 (LHD S/D)			D 19	92 (LHD H/B)		J29	B	90 (LHD L/B)
	90 (LHD L/B)		94 (LHD W/G)		J33	B	92 (LHD H/B)		
	92 (LHD H/B)		88 (LHD S/D)		J34	C	92 (LHD H/B)		
	94 (LHD W/G)		90 (LHD L/B)				90 (LHD L/B)		
D12	88 (LHD S/D)		D20	94 (LHD W/G)		L 5		92 (LHD H/B)	
	90 (LHD L/B)			88 (LHD S/D)		P10	A	88 (LHD S/D)	
	92 (LHD H/B)			90 (LHD L/B)				90 (LHD L/B)	
	94 (LHD W/G)			94 (LHD W/G)				94 (LHD W/G)	
D13	88 (LHD S/D)		I14	A	84 (LHD)	P10	B	88 (LHD S/D)	
	90 (LHD L/B)		I15	B	84 (LHD)			90 (LHD L/B)	
	94 (LHD W/G)		J 3		86 (LHD)			92 (LHD H/B)	
D14	88 (LHD S/D)		J 4	A	86 (LHD)			U 1	
	90 (LHD L/B)		J 5	B	86 (LHD)	86 (LHD)			
	94 (LHD W/G)		J10	B	86 (LHD)				
D15	88 (LHD S/D)		J11	A	86 (LHD)				

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1F	60 (LHD)	Floor Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		
3D		
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

WIRELESS DOOR LOCK CONTROL(LHD)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	132 (LHD)	Floor Wire and Cowl Wire (Near the Driver Side J/B)
IC1	132 (LHD)	Front Door LH Wire and Cowl Wire (Near the Driver Side J/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)
IN2	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	136 (LHD S/D)	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	
BB1	136 (LHD S/D)	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
	138 (LHD L/B)	
	142 (LHD W/G)	
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BD2		

 : GROUND POINTS

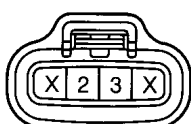
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel
BN	142 (LHD W/G)	Back Door LH

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 3	142 (LHD W/G)	Floor Wire	B 7	142 (LHD W/G)	Floor Wire

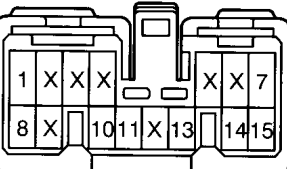
B 8 (A)

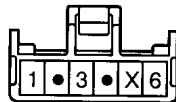

B 8 (B)


B 9 (A) BLACK


B 9 (B)


D 5 BLACK

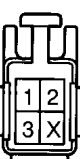

D 7


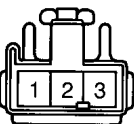
D 9 BLACK


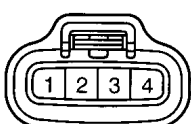
D10 BLACK

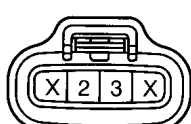

D11, D12

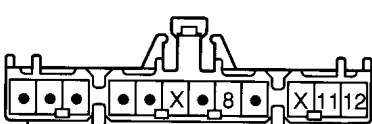

D13, D14

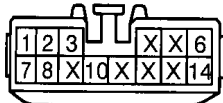

(H/B) D15


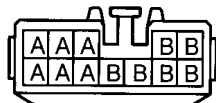
(Except H/B) D15 GRAY


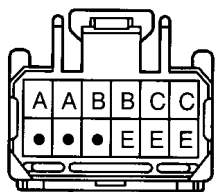
D17 BLACK


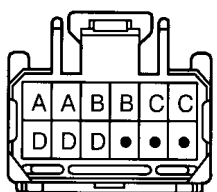
D18, D19, D20 BLACK


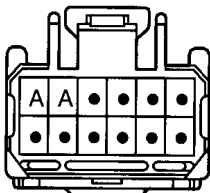
I14 (A)


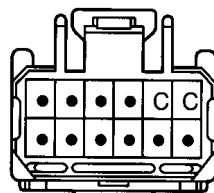
I15 (B) ORANGE


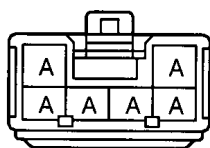
J 3

(Hint:See Page 7,23,39)

J 4 (A) BLACK

(Hint:See Page 7,23,39)

J 5 (B) BLACK

(Hint:See Page 7,23,39)

J10 (B)

(Hint:See Page 7,23,39)

J11 (A)

(Hint:See Page 7,23,39)

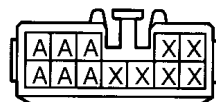
J12

(Hint:See Page 7,23,39)

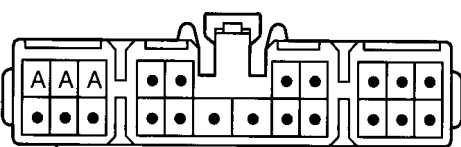
J21 BLACK

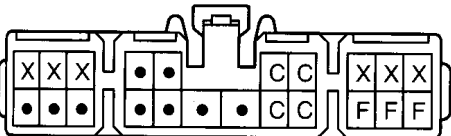
(Hint:See Page 7,23,39)

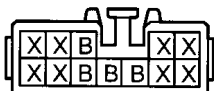
J25 (C) BLACK

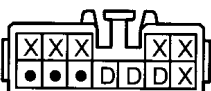
(Hint:See Page 7,23,39)

J26 (A)

(Hint:See Page 7,23,39)

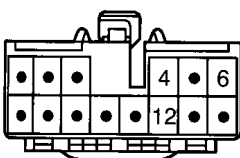
J27 (A)

(Hint:See Page 7,23,39)

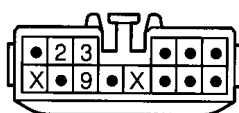
J29 (B) DARK GRAY


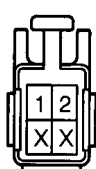
J33 (B)

(Hint:See Page 7,23,39)

J34 (C) BLACK


L 5 GRAY


P10 (A)


P10 (B)


U 1


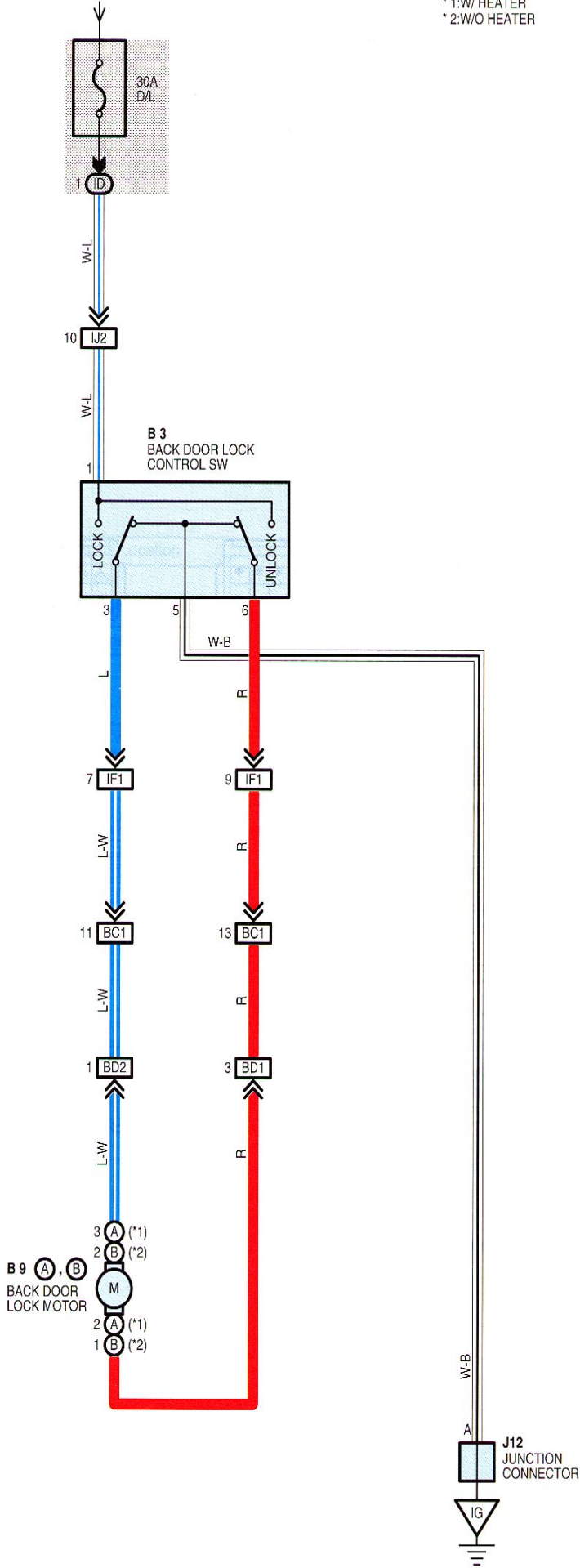
504

505

BACK DOOR LOCK CONTROL(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:W/ HEATER
* 2:W/O HEATER



SERVICE HINTS

B 3 BACK DOOR LOCK CONTROL SW

1-GROUND : Always approx. 12 volts
5-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B 3	84 (LHD)	B 9	B	94 (LHD W/G)	
B 9	A	94 (LHD W/G)	J12	86 (LHD)	

⦿ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

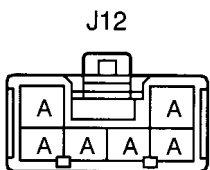
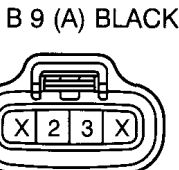
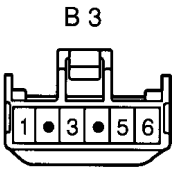
Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF1	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BD2		

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IG	132 (LHD)	Instrument Panel Brace LH

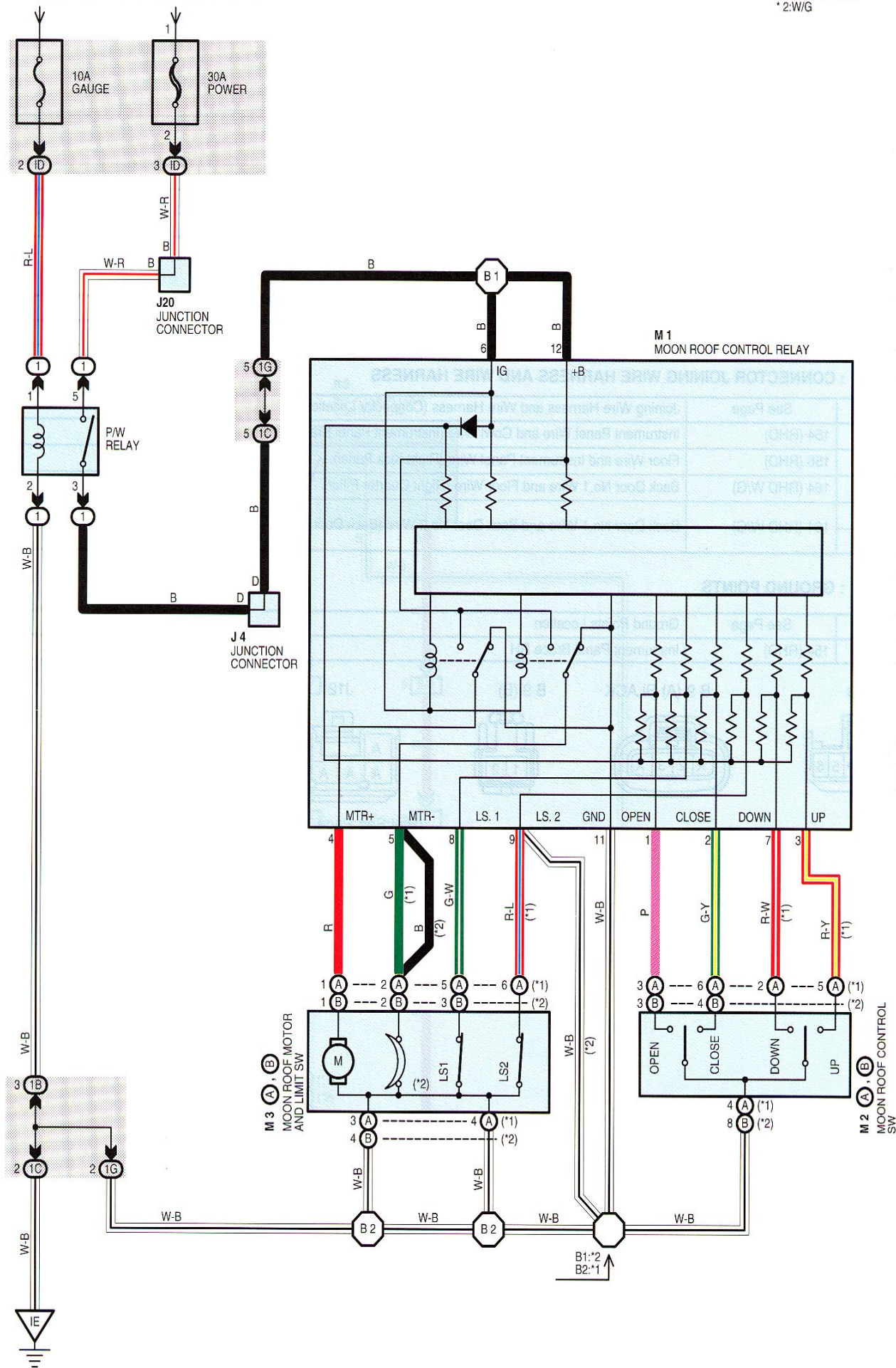


(Hint:See Page 7, 23, 39)

MOON ROOF(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

* 1:EXCEPT W/G
* 2:W/G



SYSTEM OUTLINE

Current always flows to **TERMINAL 5** of the P/W relay through the **POWER** fuse, with the ignition SW turned on, current flows through the **GAUGE** fuse to **TERMINAL 1** of the P/W relay. This activates the relay and current flowing to **TERMINAL 5** of the P/W relay flows to **TERMINAL 3** to **TERMINALS 6** and **12** of the moon roof control relay.

1. SLIDE OPEN OPERATION

when the ignition SW is turned on and the moon roof control SW is pushed to **OPEN** position, a signal is input from **TERMINAL (A) 3** or **(B) 3** of the moon roof control SW to **TERMINAL 1** of the moon roof control relay. The moon roof limit SW LS1 or LS2 is on at this time. When this occurs, the relay is activated and the current to **TERMINAL 12** of the moon roof control relay flows from **TERMINAL 5** to **TERMINAL (A) 2** or **(B) 2** of the moon roof motor to **TERMINAL (A) 1** or **(B) 1** to **TERMINAL 4** of the moon roof control relay to **TERMINAL 11** to **GROUND** and rotates the motor to open the moon roof while the SW is being pushed to **OPEN** position.

2. SLIDE CLOSE OPERATION

With the ignition SW turned on, the moon roof completely opens and the moon roof limit SW LS1 and LS2 both on, when the moon roof control SW is pushed to **CLOSE** position, a signal is input from **TERMINAL (A) 6** or **(B) 4** of the moon roof control SW to **TERMINAL 2** of the moon roof control relay. When this occurs, the relay is activated and the current to **TERMINAL 12** of the moon roof control relay flows from **TERMINAL 4** of the relay to **TERMINAL (A) 1** or **(B) 1** of the moon roof motor to **TERMINAL (A) 2** or **(B) 2** to **TERMINAL 5** of the moon roof control relay to **TERMINAL 11** to **GROUND** and rotates the motor to close the moon roof while the SW is being pushed to **CLOSE** position. The moon roof limit SW LS1 turns off (Limit SW LS2 is on), a signal is input from **TERMINAL (A) 5** or **(B) 3** of the moon roof limit SW LS1 to **TERMINAL 8** of the moon roof control relay. This signal activates the relay and stops continuous from **TERMINAL 12** of the moon roof control relay to **TERMINAL 11**. As a result, the moon roof stops at this position. To close the moon roof completely, pushing the moon roof control SW again to the **CLOSE** position causes a signal to be input again to **TERMINAL 2** of the moon roof control relay. This activates the relay and the moon roof will close as long as the moon roof control SW is being pushed, allowing the moon roof to fully close.

3. TILT UP OPERATION

When the moon roof control SW is pushed to **TILT UP** position, with the ignition SW turned on and the moon roof completely closed (Moon roof limit SW LS2 is off), a signal is input from **TERMINAL (A) 5** of the moon roof control SW to **TERMINAL 3** of the moon roof control relay. As a result, the relay is activated and the current to **TERMINAL 12** of the moon roof control relay flows from **TERMINAL 4** of the relay to **TERMINAL (A) 1** of the moon roof motor to **TERMINAL (A) 2** to **TERMINAL 5** of the moon roof control relay to **TERMINAL 11** to **GROUND** and rotates the motor so that tilt up operation occurs as long as the moon roof control SW is pushed on the **TILT UP** position.

4. TILT DOWN OPERATION

When the moon roof control SW is pushed to **TILT DOWN** position, with the ignition SW turned on and the moon roof tilted up (LS1 and LS2 moon roof limit SW are both off), a signal is input from **TERMINAL (A) 2** of the moon roof control SW to **TERMINAL 7** of the moon roof control relay. As a result, the relay is activated and the current to **TERMINAL 12** of the moon roof control relay flows from **TERMINAL 5** of the relay to **TERMINAL (A) 2** of the moon roof motor to **TERMINAL (A) 1** to **TERMINAL 4** of the moon roof control relay to **TERMINAL 11** to **GROUND** and rotates the motor so that tilt down operation occurs as long as the moon roof control SW is pushed on the **TILT DOWN** position. (During tilt down, limit SW LS1 is changed from off to on.)

MOON ROOF(LHD)

SERVICE HINTS

M 1 MOON ROOF CONTROL RELAY

- 11-GROUND: Always continuity
- 6-GROUND: Approx. 12 volts with the ignition SW at **ON** position
- 4-GROUND: Approx. 12 volts with the ignition SW on and the moon roof control SW at **CLOSE** or **UP** position
- 5-GROUND: Approx. 12 volts with the ignition SW on and the moon roof control SW at **OPEN** or **DOWN** position

M 2 (A), (B) MOON ROOF CONTROL SW

- (A) 5-(A) 4: Close with the moon roof control SW at **TILT UP** position
- (A) 6, (B) 4-(A) 4, (B) 8: Close with the moon roof control SW at **CLOSE** position
- (A) 2-(A) 4: Close with the moon roof control SW at **TILT DOWN** position
- (A) 3, (B) 3-(A) 4, (B) 8: Close with the moon roof control SW at **OPEN** position
- (A) 4, (B) 8: Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J 4	86 (LHD)	M 1	94 (LHD W/G)		
J20	86 (LHD)	M 2	A	M 3	88 (LHD S/D)
M 1	88 (LHD S/D)				90 (LHD L/B)
	90 (LHD L/B)				92 (LHD H/B)
	92 (LHD H/B)				94 (LHD W/G)
		B			

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)

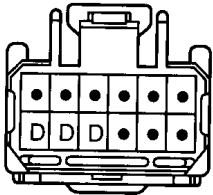
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

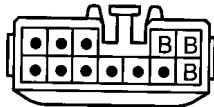
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	136 (LHD S/D)	Roof Wire	B 2	136 (LHD S/D)	Roof Wire
	138 (LHD L/B)			138 (LHD L/B)	
	140 (LHD H/B)			140 (LHD H/B)	
	142 (LHD W/G)			142 (LHD W/G)	

J 4 BLACK

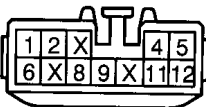


J20 BLACK (Except W/G) M 1



(Hint:See Page 7, 23, 39)

(W/G) M 1

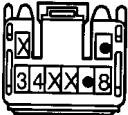


M 2 (A)

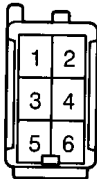


(Hint:See Page 7, 23, 39)

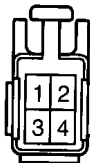
M 2 (B)



M 3 (A)

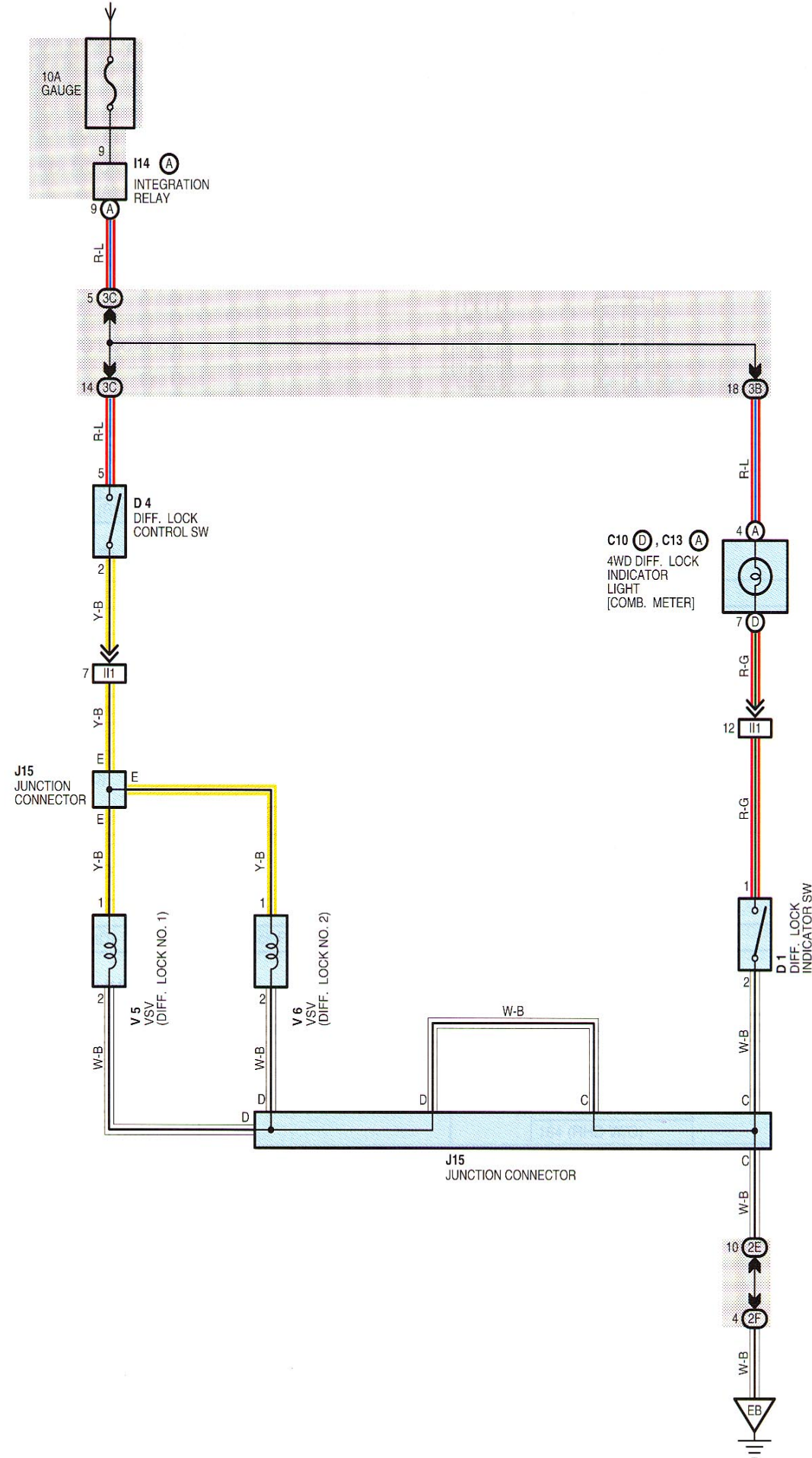


M 3 (B)



4WD(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

D 4 DIFF. LOCK CONTROL SW

5-GROUND: Approx. **12** volts with the ignition SW at **ON** positon

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
C10	D	84 (LHD)	D 4		84 (LHD)	V 5	70 (LHD 7A-FE)
C13	A	84 (LHD)	I14	A	84 (LHD)	V 6	70 (LHD 7A-FE)
D 1		70 (LHD 7A-FE)	J15		86 (LHD)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

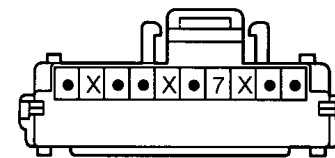
 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)

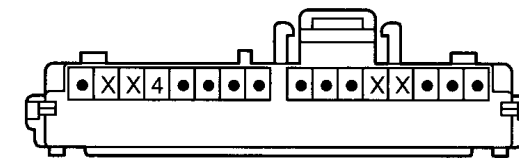
 : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender

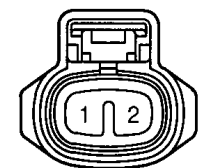
C10 (D) GRAY



C13 (A)



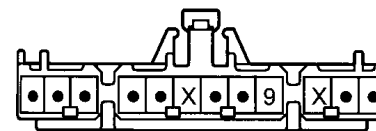
D 1 GRAY



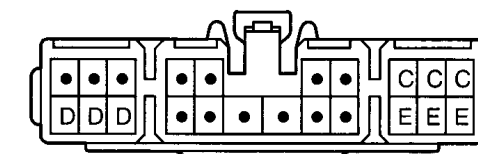
D 4 BLACK



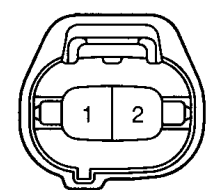
114 (A)



J15

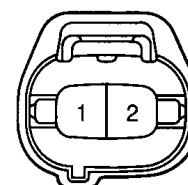


V 5 BLACK

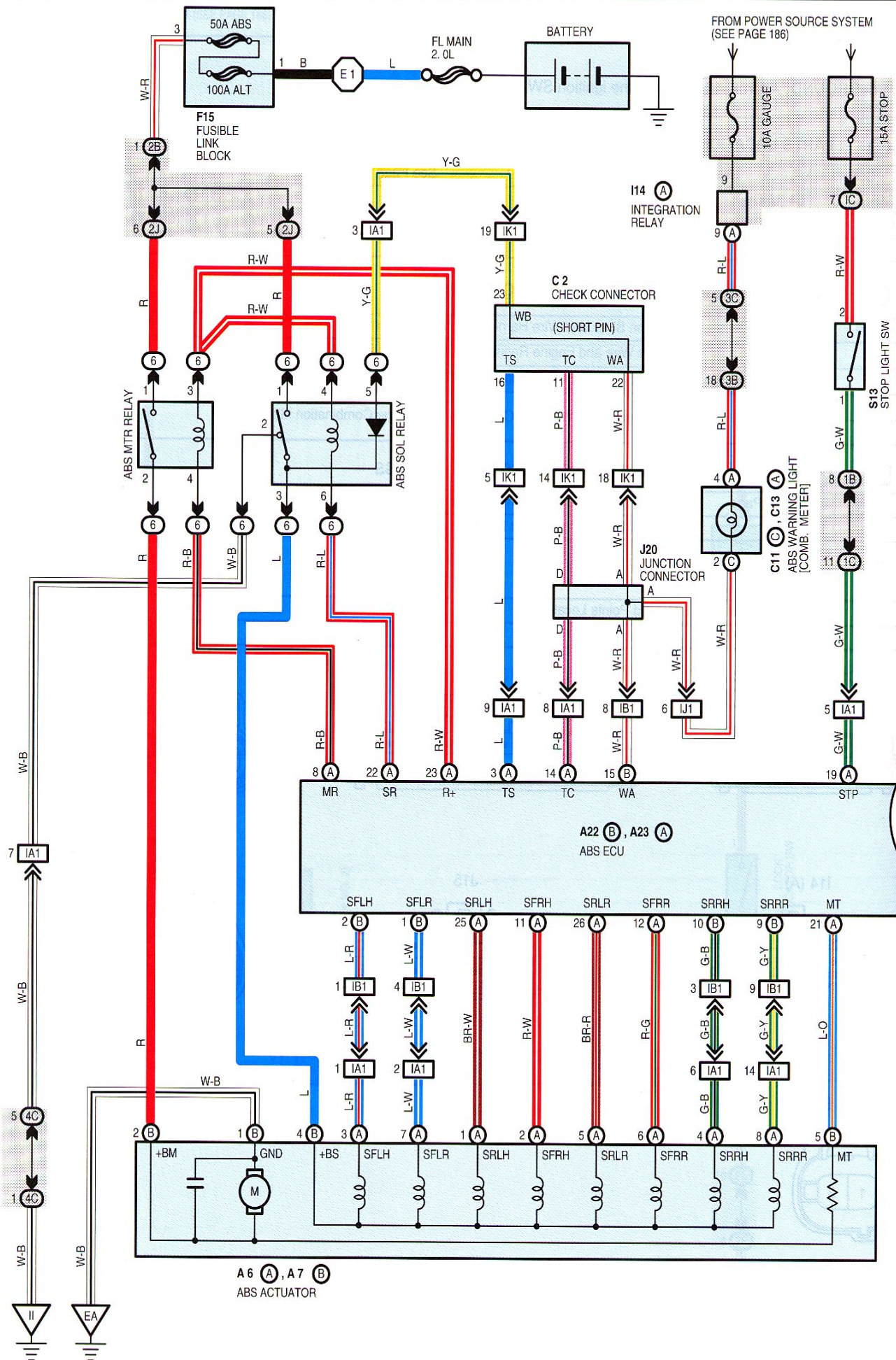


(Hint: See Page 7, 23, 39)

V 6 BLUE

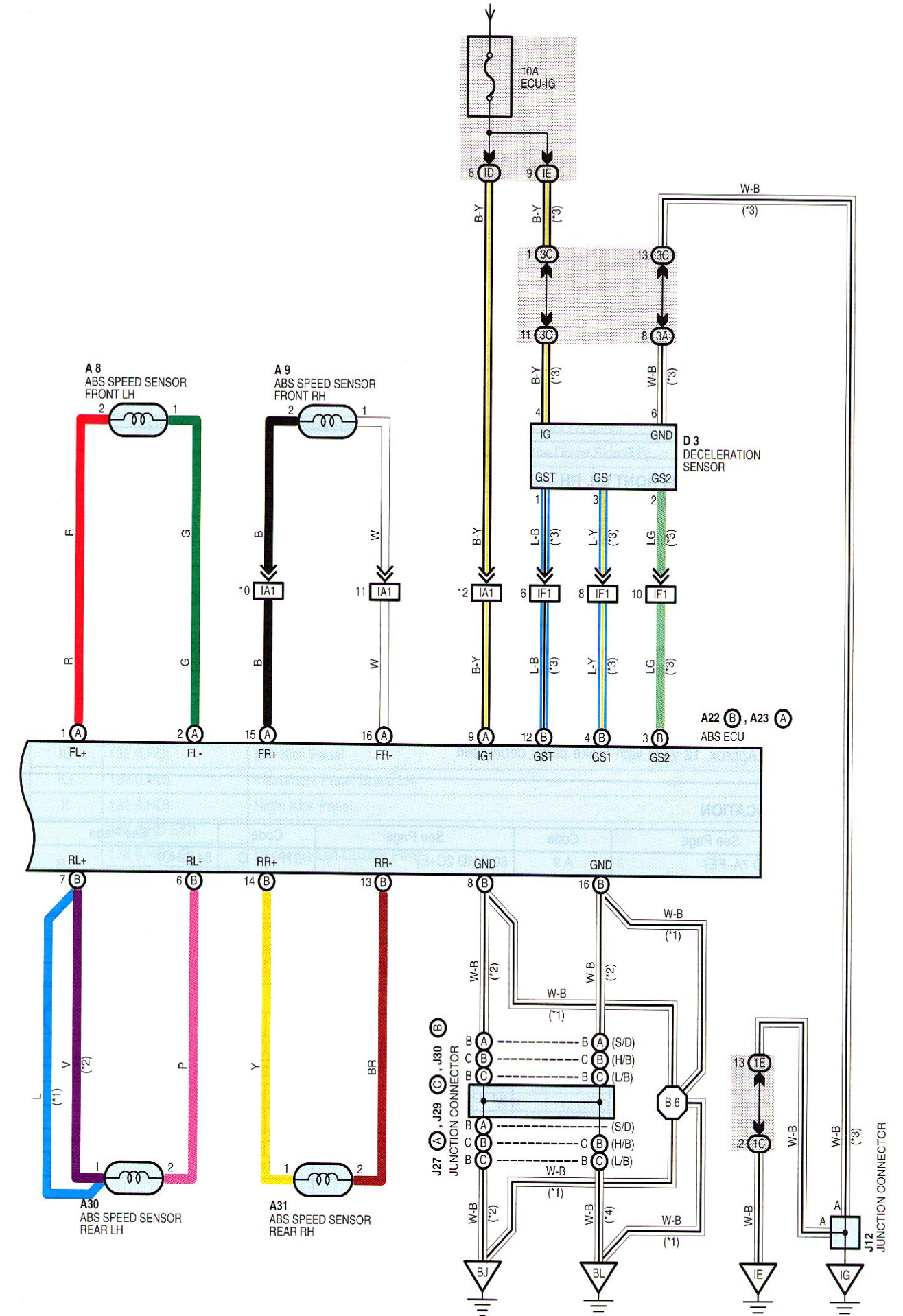


ABS(LHD EUROPE)



* 1:W/G * 3:4WD
* 2:EXCEPT W/G * 4:H/B, L/B

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SYSTEM OUTLINE

This system controls the respective brake fluid pressures acting on the brake cylinders of the right front wheel, the left front wheel and the rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

1. INPUT SIGNALS

- (1) Speed sensor signal
The speed of the wheels is detected and input to **TERMINALS FL+, FR+, RL+ and RR+** of the ABS ECU.
- (2) Stop light SW signal
A signal is input to **TERMINAL STP** of the ABS ECU when the brake pedal depressed.

2. SYSTEM OPERATION

During sudden braking the ABS ECU which has signals input from each of the sensor, controls current to the solenoid inside the actuator and causes the hydraulic pressure acting on each of the wheel cylinder escape to the reservoir. The pump inside the actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, preventing locking of the vehicle wheels.
If the ECU judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above. By repeated pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

SERVICE HINTS

A 8, A 9 ABS SPEED SENSOR FRONT LH, RH

1-2: 1.4-1.8 kohm (20°C, 68°F)

A30, A31 ABS SPEED SENSOR REAR LH, RH

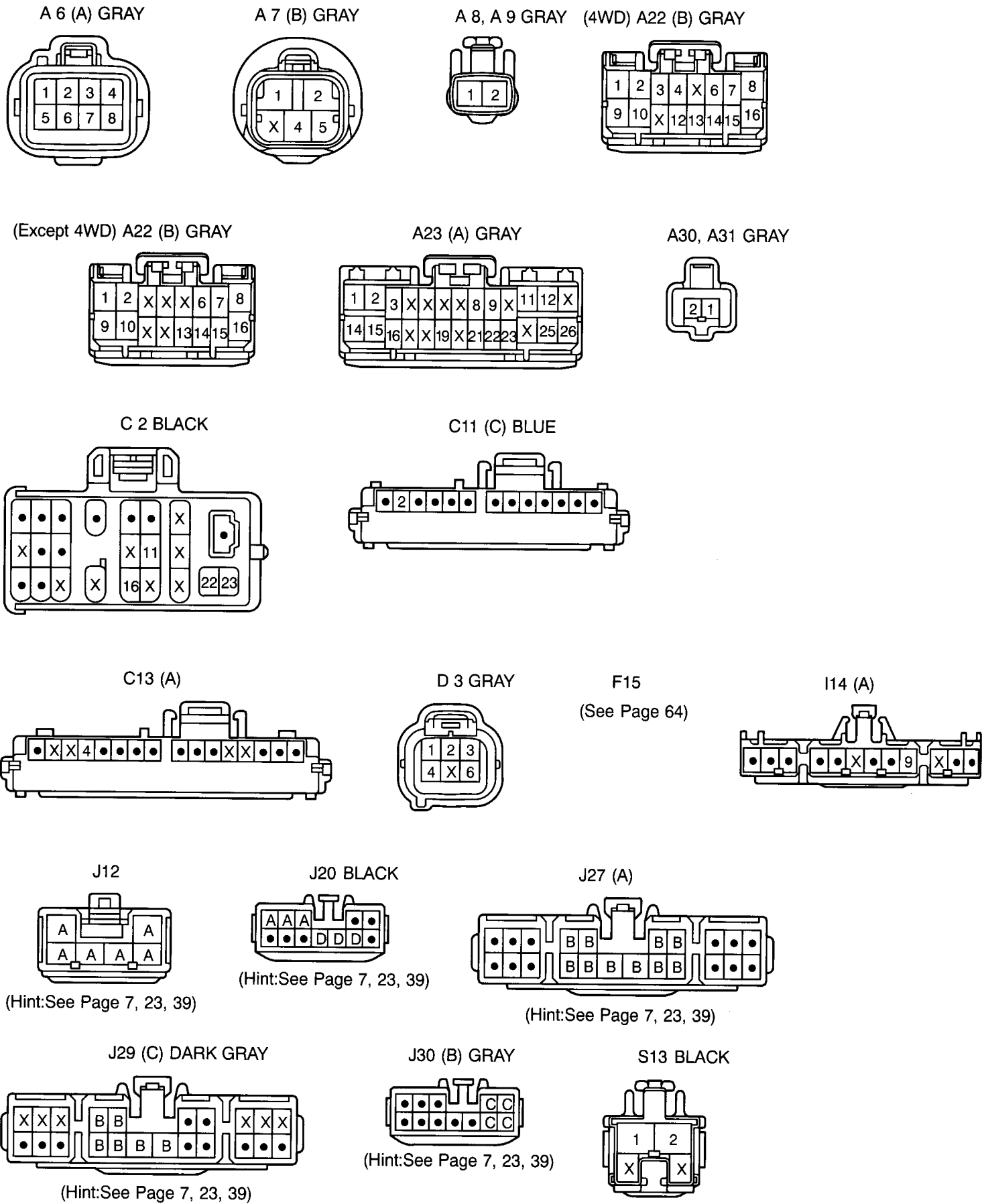
1-2: 0.9-1.3 kohm (20°C, 68°F) (4WD)
: 1.05-1.45 kohm (20°C, 68°F) (Except 4WD)

A22 (B), A23 (A) ABS ECU

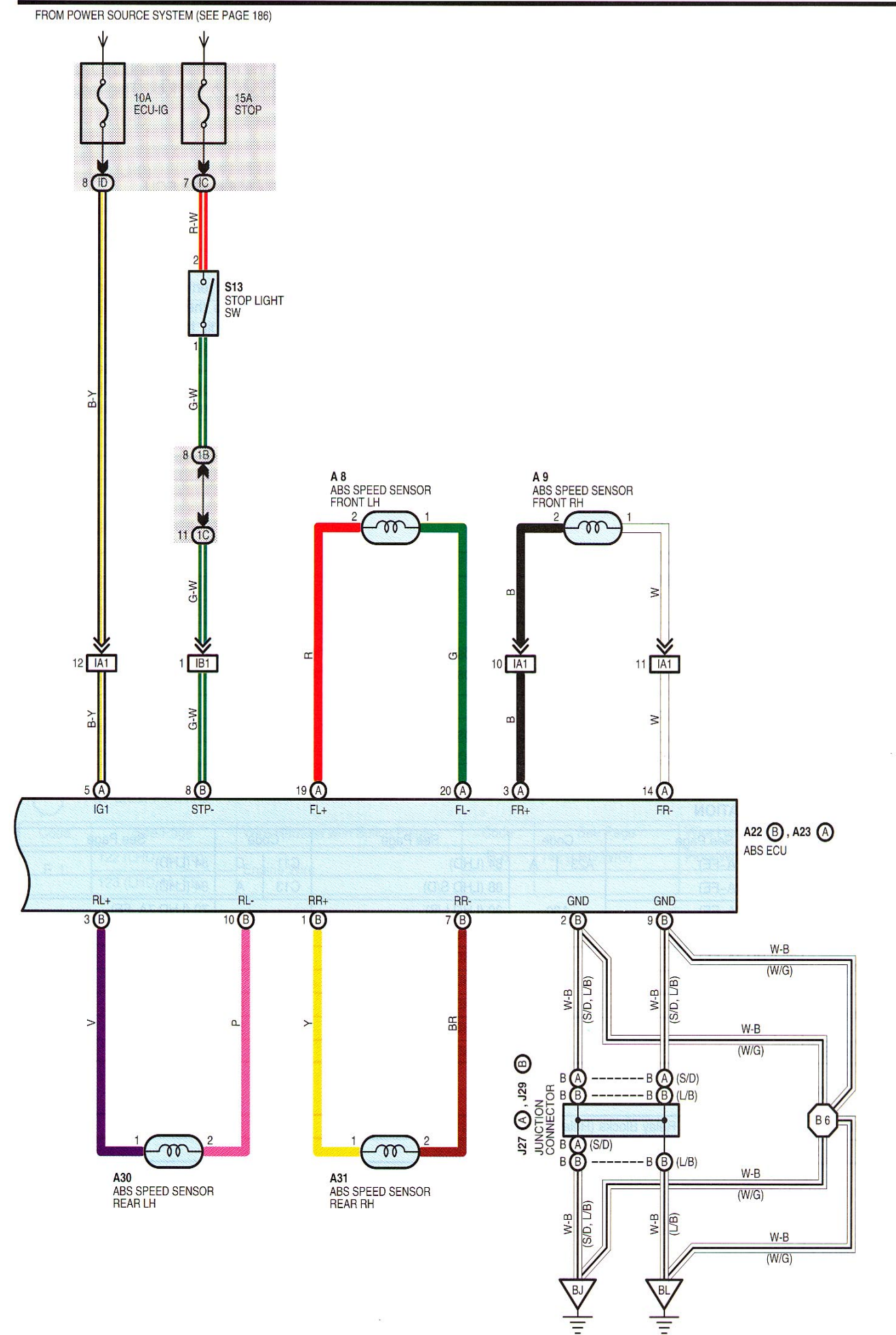
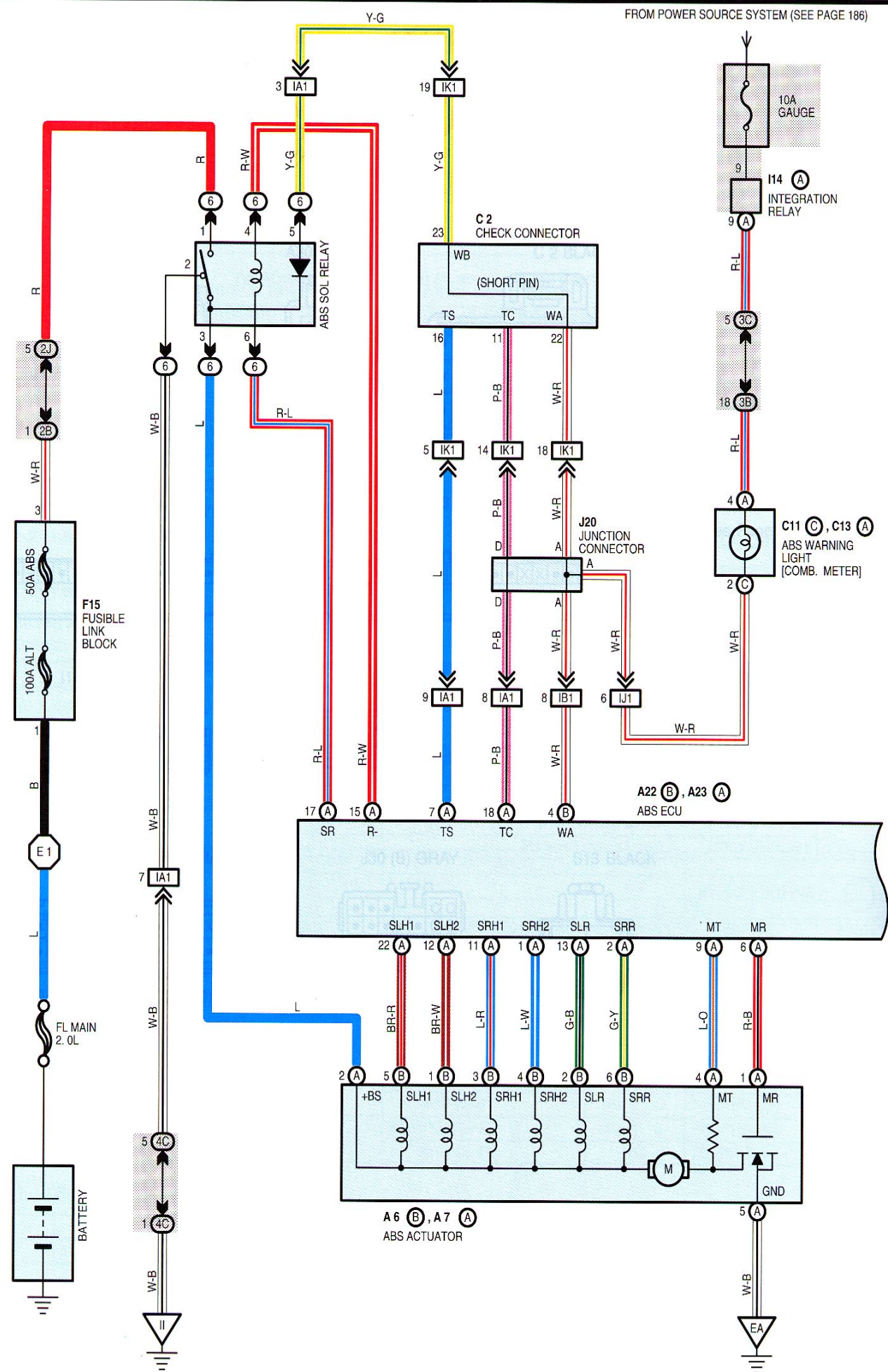
- (Connect the ECU connectors)
- (A)14-GROUND: Approx. 12 volts with ignition SW at **ON** position and check connector TC-E1 not connected
 - (A) 3-GROUND: Approx. 12 volts with ignition SW at **ON** position and check connector TS-E1 not connected
 - (B) 8-GROUND: Always continuity
 - (B)16-GROUND: Always continuity
 - (A) 9-GROUND: Approx. 12 volts with ignition SW at **ON** position
 - (A)19-GROUND: Approx. 12 volts with brake pedal depressed

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A 6	A	70 (LHD 7A-FE)	A 9		80 (LHD 2C-E)	C11	C	84 (LHD)
		72 (LHD 4A-FE)	A22	B	84 (LHD)	C13	A	84 (LHD)
		74 (LHD 4E-FE)	A23	A	84 (LHD)	D 3		84 (LHD)
		80 (LHD 2C-E)	A30		88 (LHD S/D)	F15		70 (LHD 7A-FE)
70 (LHD 7A-FE)	90 (LHD L/B)	72 (LHD 4A-FE)						
72 (LHD 4A-FE)	92 (LHD H/B)	74 (LHD 4E-FE)						
74 (LHD 4E-FE)	94 (LHD W/G)	80 (LHD 2C-E)						
A 7	B	80 (LHD 2C-E)	A31		88 (LHD S/D)	I14	A	84 (LHD)
		A 8			90 (LHD L/B)	J12		86 (LHD)
92 (LHD H/B)	J20				86 (LHD)			
94 (LHD W/G)	J27				A	88 (LHD S/D)		
70 (LHD 7A-FE)	C 2			70 (LHD 7A-FE)	J29	C	90 (LHD L/B)	
72 (LHD 4A-FE)			J30	B	92 (LHD H/B)			
74 (LHD 4E-FE)			S13		86 (LHD)			
74 (LHD 4E-FE)								



ABS(LHD EXCEPT EUROPE)



SYSTEM OUTLINE

This system controls the respective brake fluid pressures acting on the brake cylinders of the right front wheel, the left front wheel and the rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

1. INPUT SIGNALS

- (1) Speed sensor signal
The speed of the wheels is detected and input to **TERMINALS FL+, FR+, RL+ and RR+** of the ABS ECU.
- (2) Stop light SW signal
A signal is input to **TERMINAL STP-** of the ABS ECU when the brake pedal depressed.

2. SYSTEM OPERATION

During sudden braking the ABS ECU which has signals input from each of the sensor, controls current to the solenoid inside the actuator and causes the hydraulic pressure acting on each of the wheel cylinder escape to the reservoir. The pump inside the actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, preventing locking of the vehicle wheels.
If the ECU judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above. By repeated pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

SERVICE HINTS

- A 8, A 9 ABS SPEED SENSOR FRONT LH, RH**
1-2 : 1.4-1.8 kohm (20°C, 68°F)
- A30, A31 ABS SPEED SENSOR REAR LH, RH**
1-2 : 1.05-1.45 kohm (20°C, 68°F)

- A22 (B), A23 (A) ABS ECU**
(Connect the ECU connectors)
(A)18-GROUND: Approx. **12** volts with ignition SW at **ON** position and check connector TC-E1 not connected
(A) 7-GROUND: Approx. **12** volts with ignition SW at **ON** position and check connector TS-E1 not connected
(B) 2-GROUND: Always continuity
(B) 9-GROUND: Always continuity
(A) 5-GROUND: Approx. **12** volts with ignition SW at **ON** position
(B) 8-GROUND: Approx. **12** volts with brake pedal depressed

PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A 6	B	70 (LHD 7A-FE)	A23	A	84 (LHD)	C11	C	84 (LHD)
		72 (LHD 4A-FE)			88 (LHD S/D)			84 (LHD)
A 7	A	70 (LHD 7A-FE)	A30		90 (LHD L/B)	F15		70 (LHD 7A-FE)
		72 (LHD 4A-FE)			94 (LHD W/G)			72 (LHD 4A-FE)
A 8		70 (LHD 7A-FE)	A31		88 (LHD S/D)	I14	A	84 (LHD)
		72 (LHD 4A-FE)			90 (LHD L/B)			86 (LHD)
A 9		70 (LHD 7A-FE)			94 (LHD W/G)	J27	A	88 (LHD S/D)
		72 (LHD 4A-FE)			70 (LHD 7A-FE)	J29	B	90 (LHD L/B)
A22	B	84 (LHD)	C 2		72 (LHD 4A-FE)			86 (LHD)

RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
6	53	ABS R/B (Radiator Support RH)

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2J	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IB1	132 (LHD)	Floor Wire and Cowl Wire (Near the Driver Side J/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

GROUND POINTS

Code	See Page	Ground Points Location
EA	122 (LHD 7A-FE)	Front Side of Right Fender
	123 (LHD 4A-FE)	
II	132 (LHD)	Right Kick Panel
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	142 (LHD W/G)	Rear Quarter Panel LH
BL	138 (LHD L/B)	Back Panel Center
	142 (LHD W/G)	Rear Quarter Panel RH

SPLICE POINTS

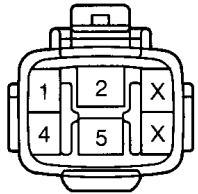
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	B 6	142 (LHD W/G)	Floor Wire
	123 (LHD 4A-FE)				

ABS(LHD EXCEPT EUROPE)

A 6 (B) GRAY



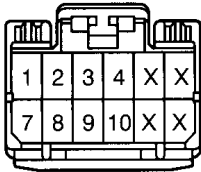
A 7 (A) BLACK



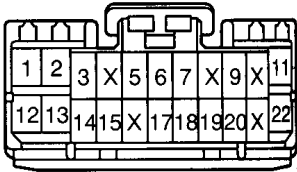
A 8, A 9 GRAY



A22 (B) GRAY



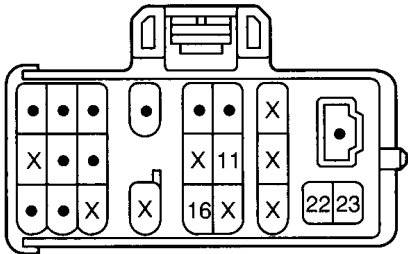
A23 (A) GRAY



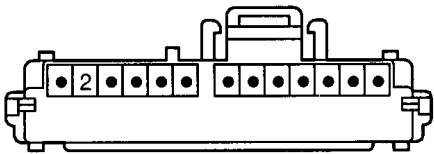
A30, A31 GRAY



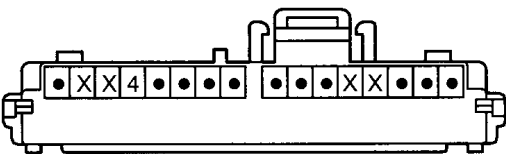
C 2 BLACK



C11 (C) BLUE

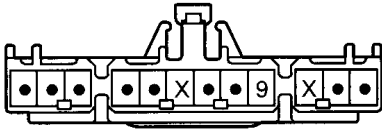


C13 (A)

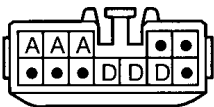


F15
(See Page 64)

I14 (A)

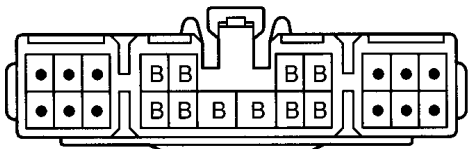


J20 BLACK



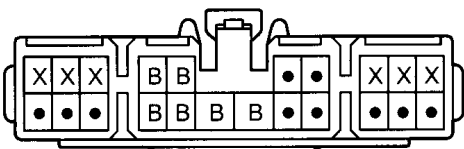
(See Page 7, 23, 39)

J27 (A)



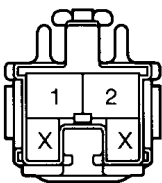
(See Page 7, 23, 39)

J29 (B) DRAG GRAY



(See Page 7, 23, 39)

S13 BLACK

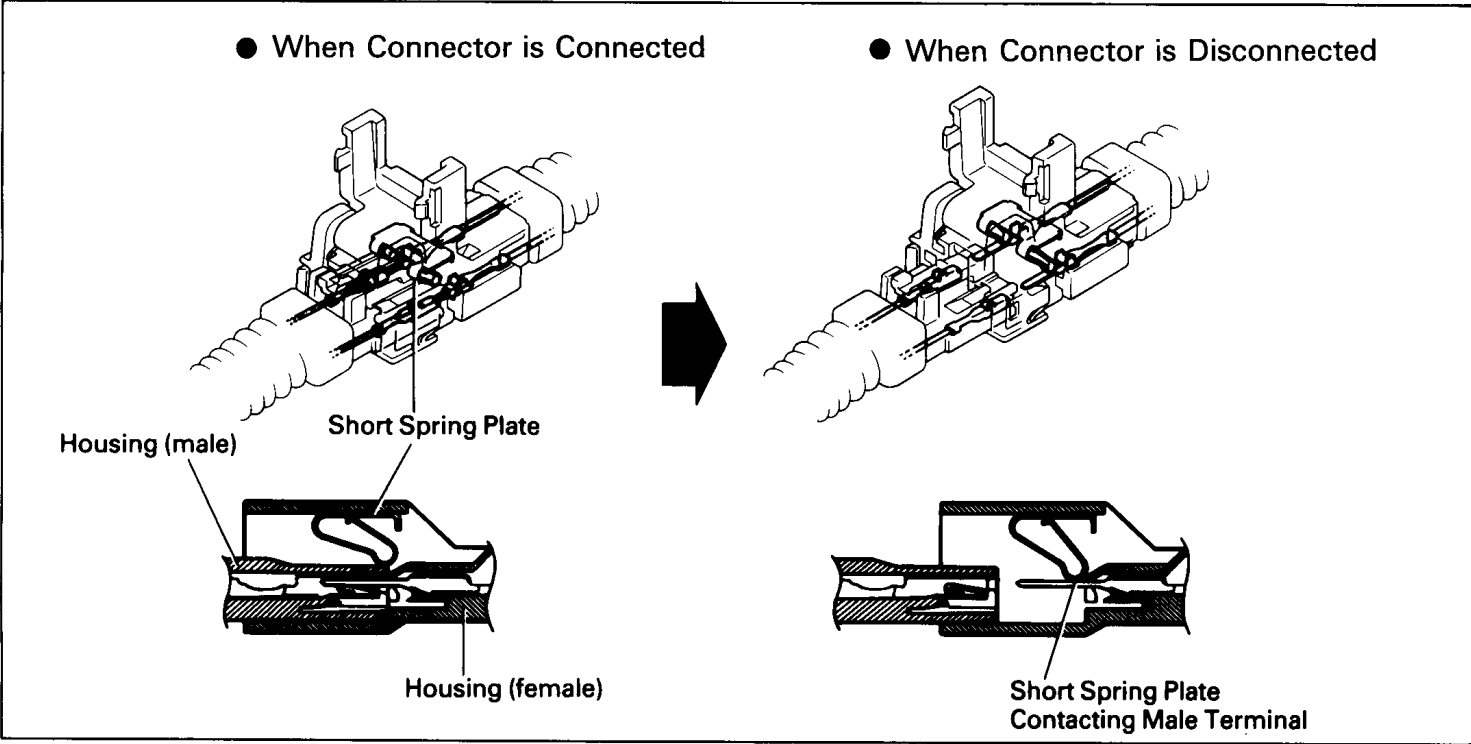


NOTICE: When inspecting or repairing the SRS, perform the operation in accordance with the following precautionary instructions and the procedure and precautions in the Repair Manual.

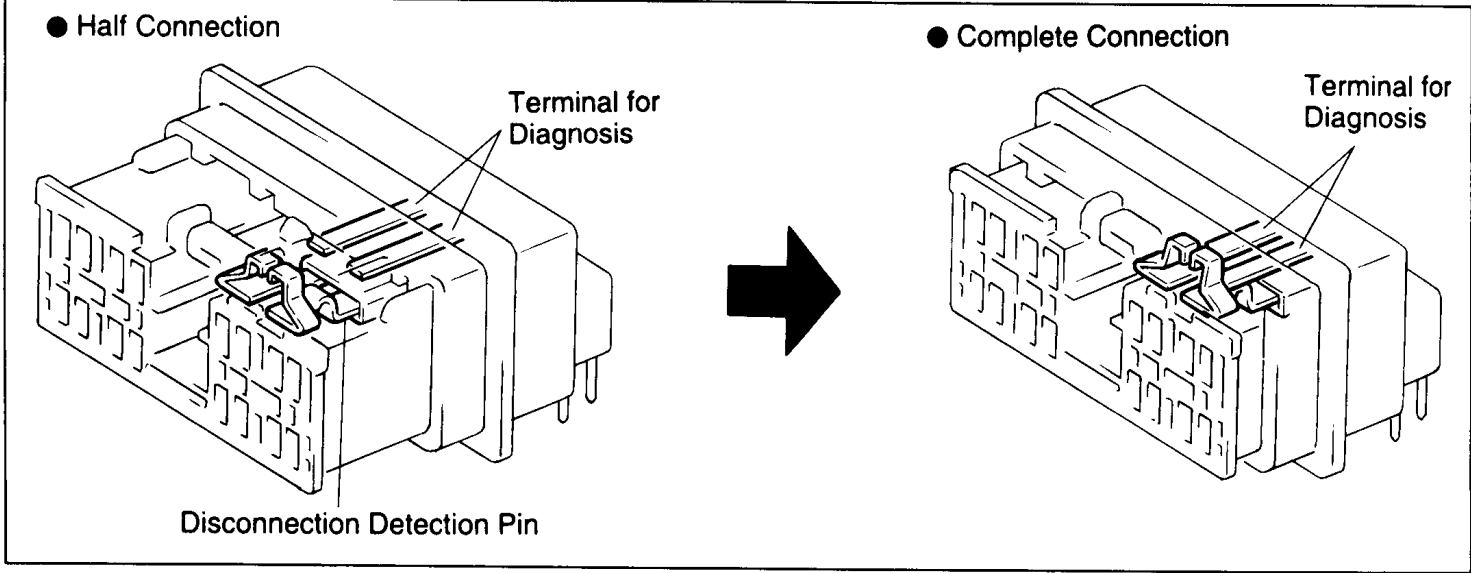
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started after 90 seconds from when the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.**
(The SRS is equipped with a back-up power source so that if work is started within 90 seconds of disconnecting the negative (–) terminal cable of the battery, the SRS may be deployed.)
 When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized by the audio memory system. When work is finished, reset the audio systems as before and adjust the clock. To avoid erasing the memory of each memory system, never use a back-up power supply from outside the vehicle.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner airbag sensor assembly, front airbag sensor and side airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner or airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner airbag sensor assembly, front airbag sensor or side airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Do not expose the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner airbag sensor assembly, front airbag sensor or side airbag sensor assembly directly to hot air or flames.
- Use a volt/ohmmeter with high impedance (10 k Ω /V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

The SRS has connectors which possess the functions described below:

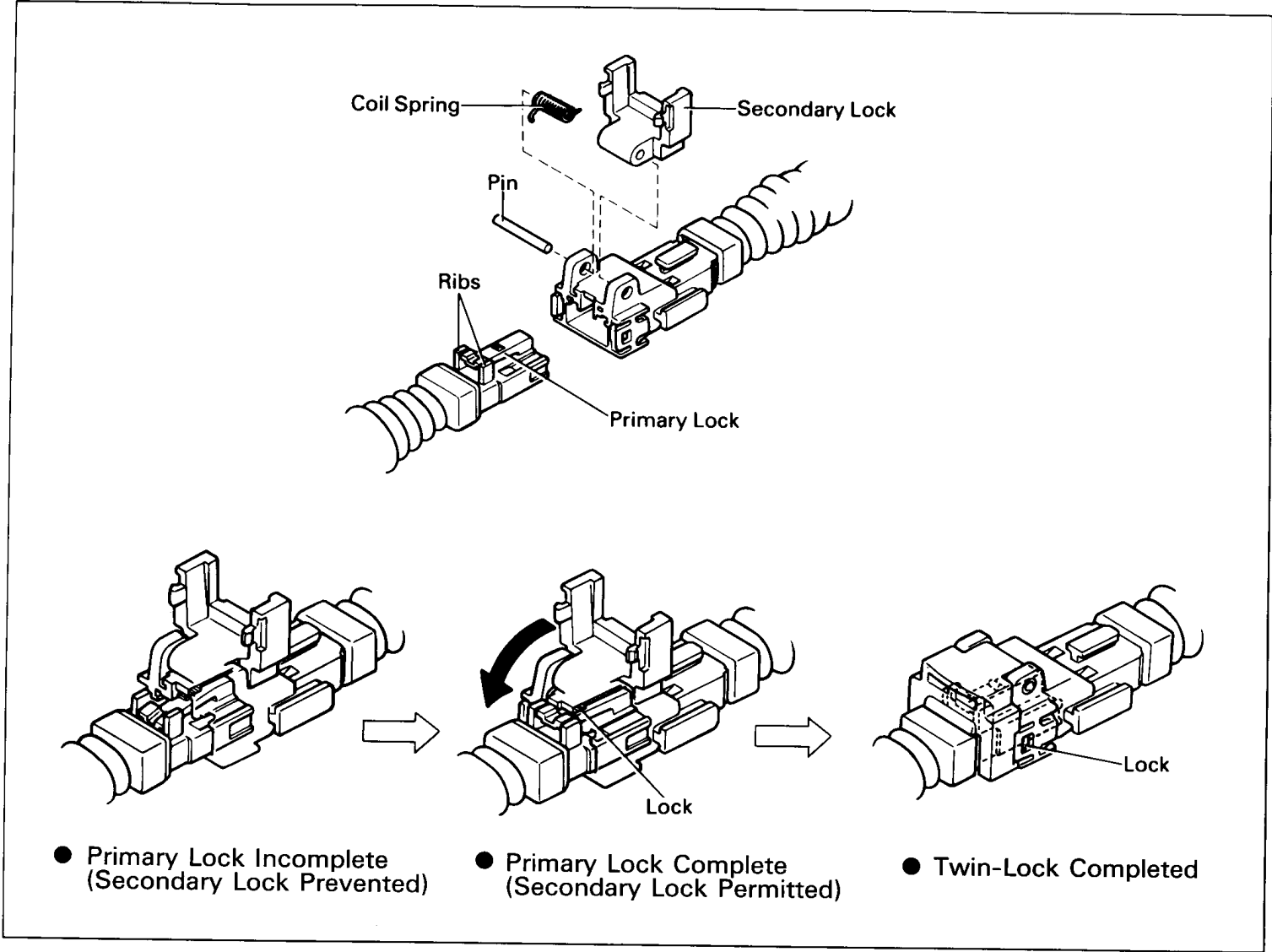
1. **SRS ACTIVATION PREVENTION MECHANISM**
Each connector contains a short spring plate. When the connector is disconnected, the short spring plate automatically connects the power source and grounding terminals of the squib.



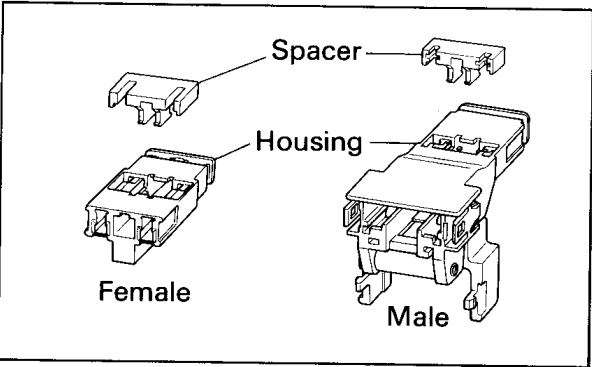
2. **ELECTRICAL CONNECTION CHECK MECHANISM**
This mechanism electrically checks if connectors are connected correctly and completely. The electrical connection check mechanism is designed so that the disconnection detection pin connects with the diagnosis terminals when the connector housing lock is locked.



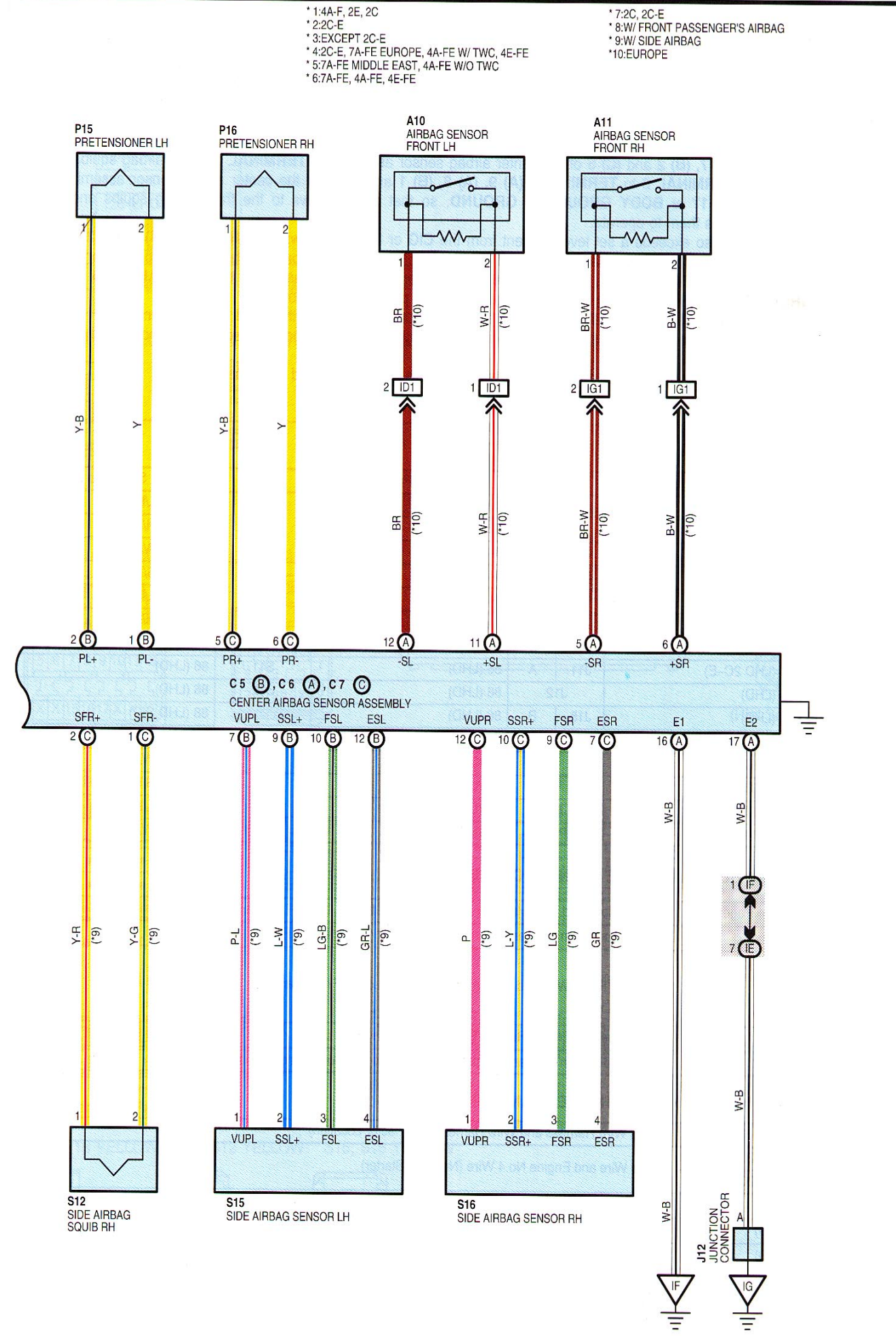
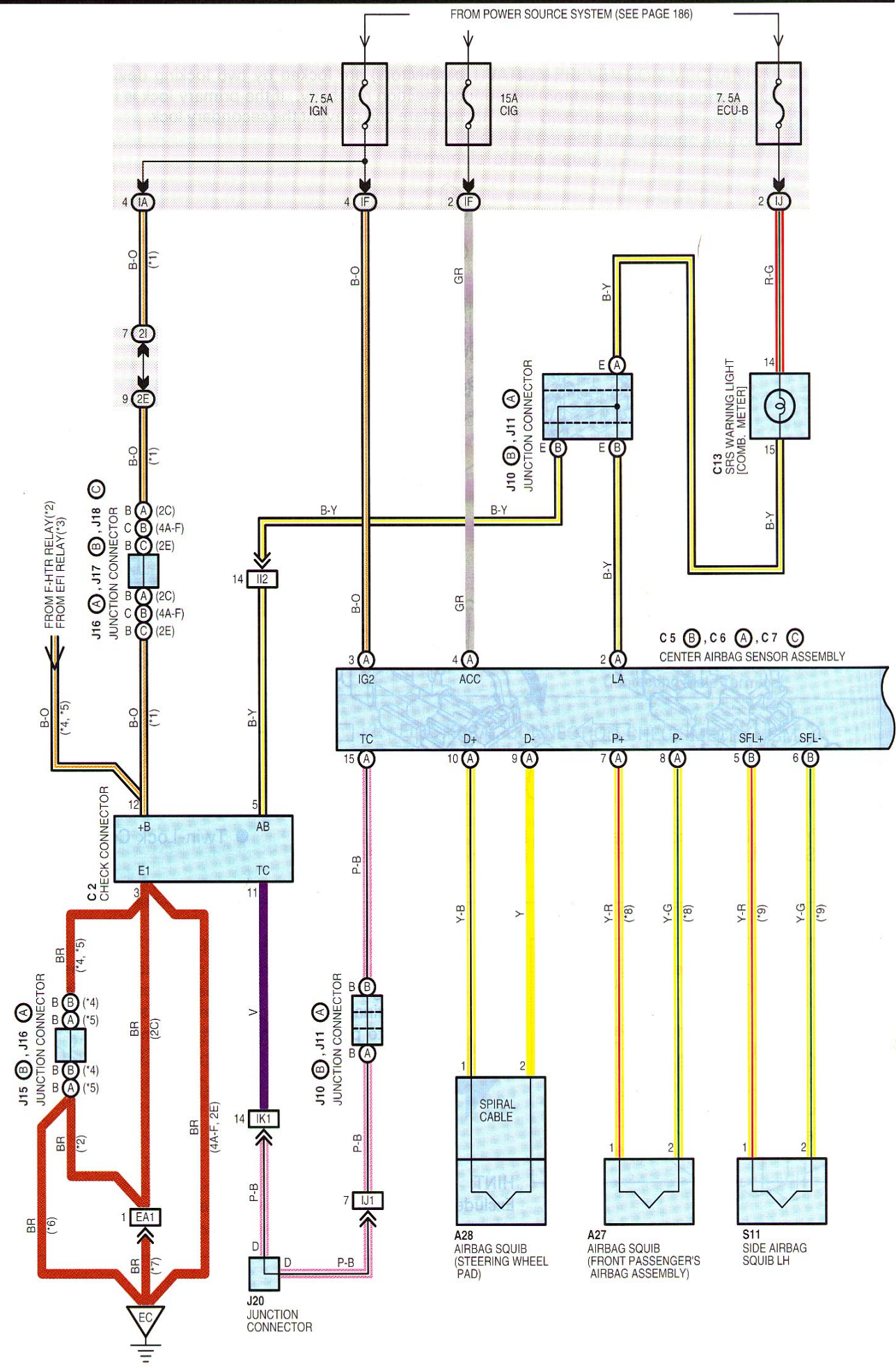
3. **CONNECTOR TWIN-LOCK MECHANISM**
With this mechanism connectors (male and female connectors) are locked by two locking devices to increase connection reliability. If the primary lock is incomplete, ribs interfere and prevent the secondary lock.



4. **TERMINAL TWIN-LOCK MECHANISM**
Each connector has a two-piece construction consisting of a housing and a spacer. This design secures the locking of the terminal by two locking devices (the retainer and the lance) to prevent terminals from coming out.



HINT:
Exclude the side airbag assembly connector.



- * 1:4A-F, 2E, 2C
- * 2:2C-E
- * 3:EXCEPT 2C-E
- * 4:2C-E, 7A-FE EUROPE, 4A-FE W/TWC, 4E-FE
- * 5:7A-FE MIDDLE EAST, 4A-FE W/O TWC
- * 6:7A-FE, 4A-FE, 4E-FE
- * 7:2C, 2C-E
- * 8:W/ FRONT PASSENGER'S AIRBAG
- * 9:W/ SIDE AIRBAG
- * 10:EUROPE

SYSTEM OUTLINE

The SRS is a driver and front passenger protection device which has a supplemental role to the seat belts.

When the ignition SW is turned to ACC or ON, current from the **CIG** fuse flows to **TERMINAL (A) 4** of the center airbag sensor assembly. Only when the ignition SW is on does the current flow from the **IGN** fuse to **TERMINAL (A) 3** of the center airbag sensor assembly.

If an accident occurs while driving, when the frontal impact exceeds a set level, current from the **CIG** or **IGN** fuse flows to **TERMINALS (A) 10, (A) 7, (B) 2** and **(C) 5** of the center airbag sensor assembly to **TERMINAL 1** of the airbag squibs and the pretensioners to **TERMINAL 2** to **TERMINALS (A) 9, (A) 8, (B) 1** and **(C) 6** of the center airbag sensor assembly to **TERMINAL (A) 16, (A) 17** or **BODY GROUND** to **GROUND**, so that current flows to the front airbag squibs and the pretensioners and causes them to operate.

When the side impact also exceeds a set level, current from the **CIG** or **IGN** fuse flows to **TERMINALS (B) 5, (C) 2, (B) 2** and **(C) 5** of the center airbag sensor assembly to **TERMINAL 1** of the side airbag squibs and the pretensioners to **TERMINAL 2** to **TERMINALS (B) 6, (C) 1, (B) 1** and **(C) 6** of the center airbag sensor assembly to **TERMINAL (A) 16, (A) 17** or **BODY GROUND** to **GROUND**, causing side airbag squibs and the pretensioners to operate.

The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.

The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.

Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.

The pretensioners make sure of the seat belt restrainability.

PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A10	70 (LHD 7A-FE)	C 2	80 (LHD 2C-E)	P15	90 (LHD L/B)
	72 (LHD 4A-FE)		82 (LHD 2C)		92 (LHD H/B)
	74 (LHD 4E-FE)	C 5	B		94 (LHD W/G)
	80 (LHD 2C-E)	C 6	A		88 (LHD S/D)
A11	70 (LHD 7A-FE)	C 7	C	P16	90 (LHD L/B)
	72 (LHD 4A-FE)	C13	84 (LHD)		92 (LHD H/B)
	74 (LHD 4E-FE)		86 (LHD)		94 (LHD W/G)
	80 (LHD 2C-E)	J10	B		86 (LHD)
A27	84 (LHD)	J11	A	S11	86 (LHD)
A28	84 (LHD)	J12	86 (LHD)	S12	86 (LHD)
C 2	70 (LHD 7A-FE)	J15	B	S15	88 (LHD S/D)
	72 (LHD 4A-FE)	J16	A		90 (LHD L/B)
	74 (LHD 4E-FE)	J17	B		94 (LHD W/G)
	76 (LHD 4A-F)	J18	C	S16	88 (LHD S/D)
	78 (LHD 2E)	J20	86 (LHD)		90 (LHD L/B)
		P15	88 (LHD S/D)		94 (LHD W/G)

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

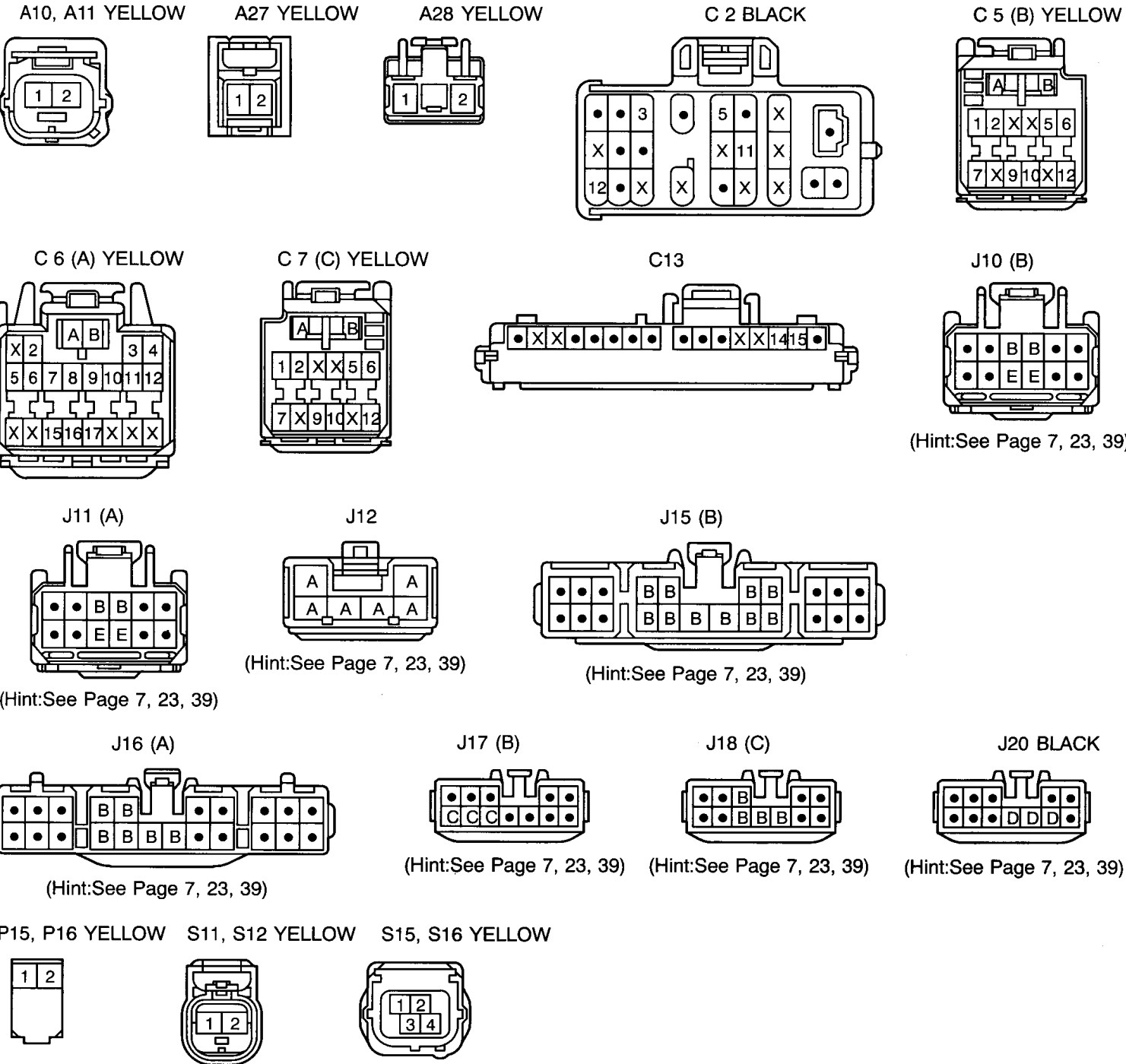
Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ		
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	128 (LHD 2C-E)	Engine Wire and Engine No.4 Wire (Near the Starter)
	130 (LHD 2C)	
ID1	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IG1	132 (LHD)	Cowl Wire and Instrument Panel Wire (Lower Finish Panel)
II2	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

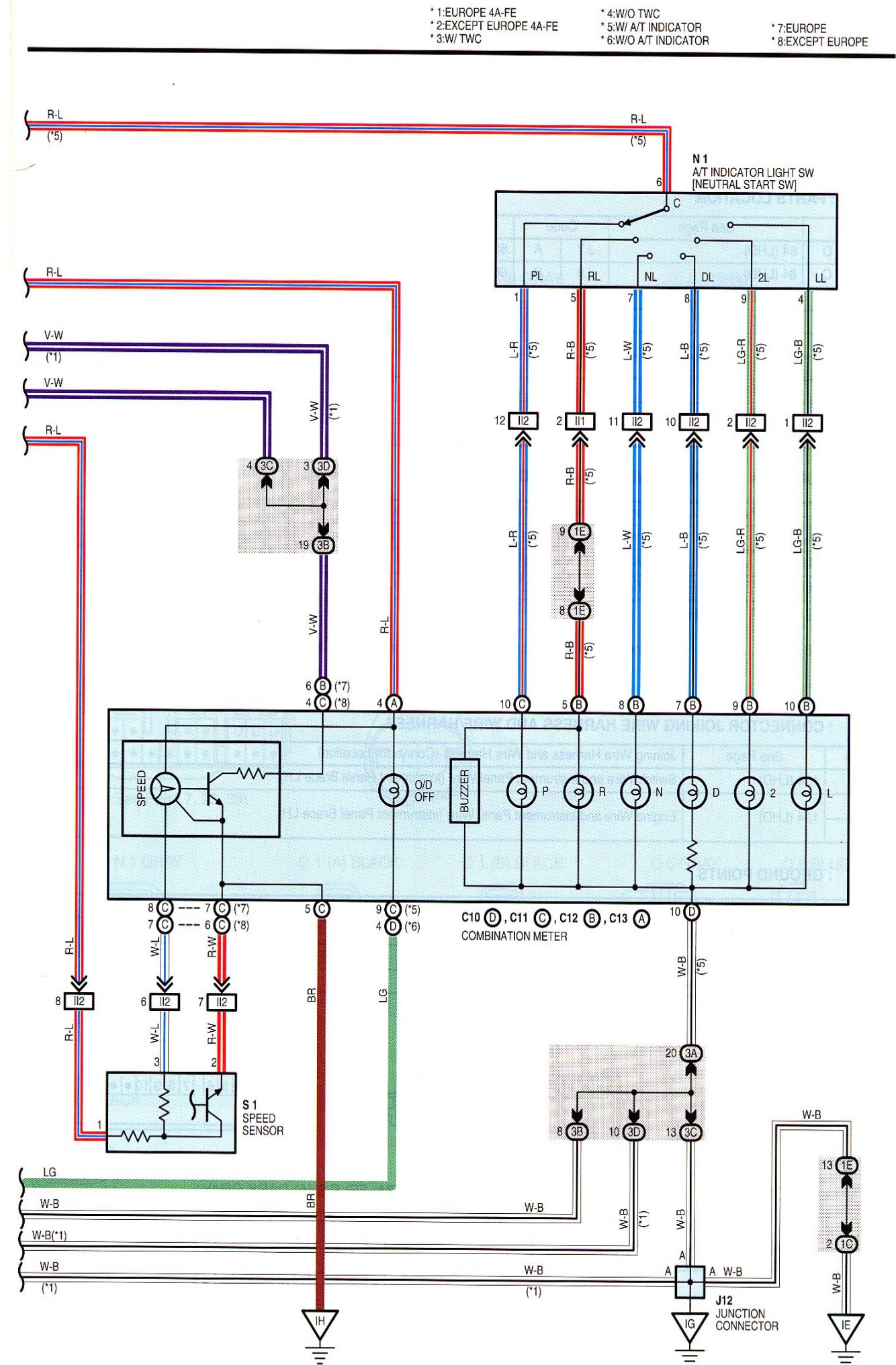
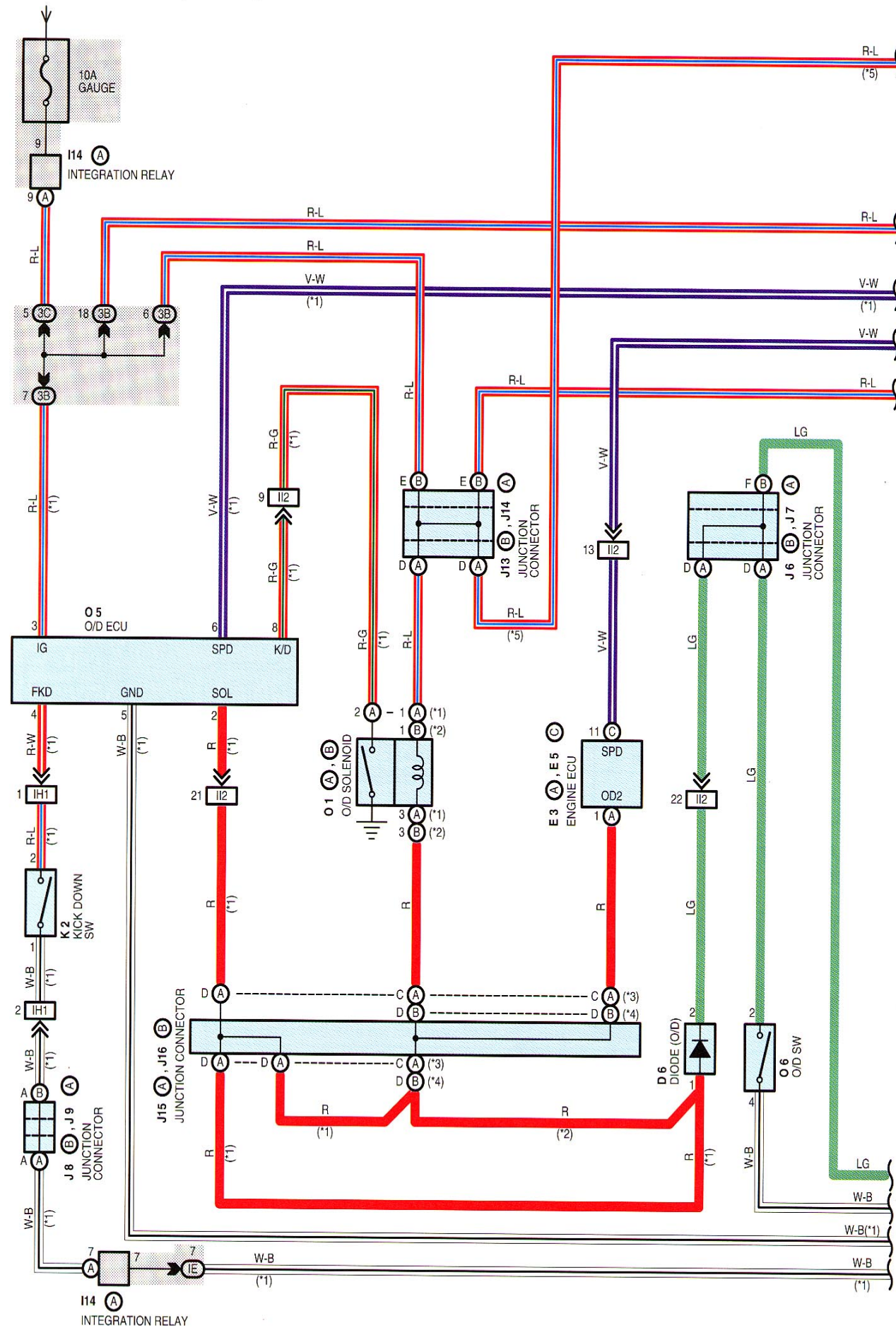
GROUND POINTS

Code	See Page	Ground Points Location
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
IF	132 (LHD)	Instrument Panel Brace LH
IG		



OVERDRIVE AND A/T INDICATOR(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



OVERDRIVE AND A/T INDICATOR(LHD)

SERVICE HINTS

O 6 O/D SW

2-4 : Closed with the O/D SW at **OFF** position, open with the O/D SW at **ON** position

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	D	84 (LHD)	J 7	A	86 (LHD)	N 1		70 (LHD 7A-FE)
C11	C	84 (LHD)	J 8	B	86 (LHD)			72 (LHD 4A-FE)
C12	B	84 (LHD)	J 9	A	86 (LHD)	O 1	A	72 (LHD 4A-FE)
C13	A	84 (LHD)	J12		86 (LHD)		B	70 (LHD 7A-FE)
D 6		84 (LHD)	J13	B	86 (LHD)			72 (LHD 4A-FE)
E 3	A	84 (LHD)	J14	A	86 (LHD)	O 5		86 (LHD)
E 5	C	84 (LHD)	J15	A	86 (LHD)	O 6		86 (LHD)
I14	A	84 (LHD)	J16	B	86 (LHD)	S 1		70 (LHD 7A-FE)
J 6	B	86 (LHD)	K 2		86 (LHD)			72 (LHD 4A-FE)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

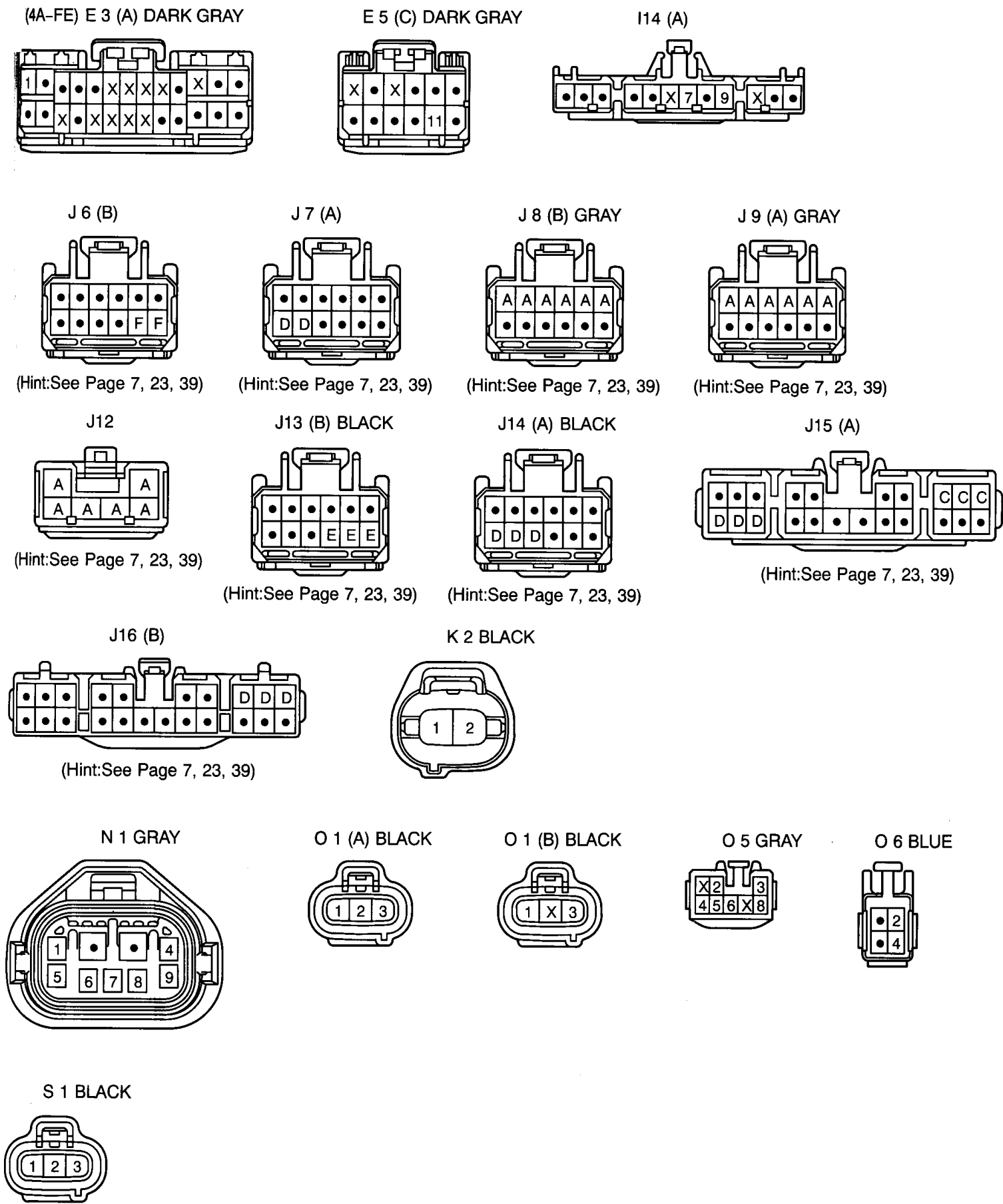
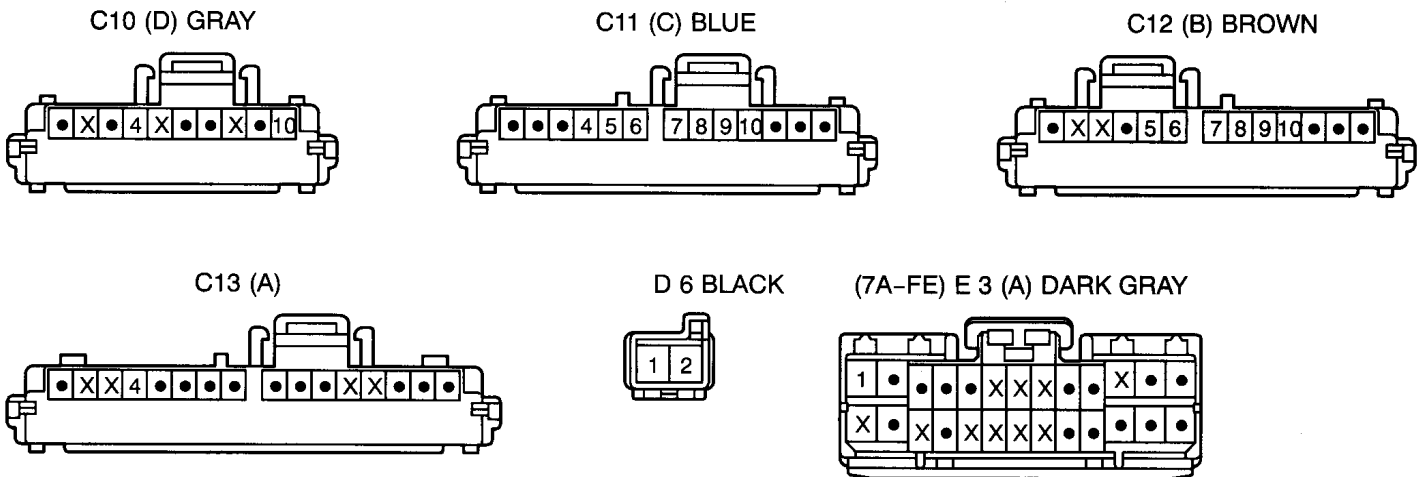
Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		
3D		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH1	134 (LHD)	Switch Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2		

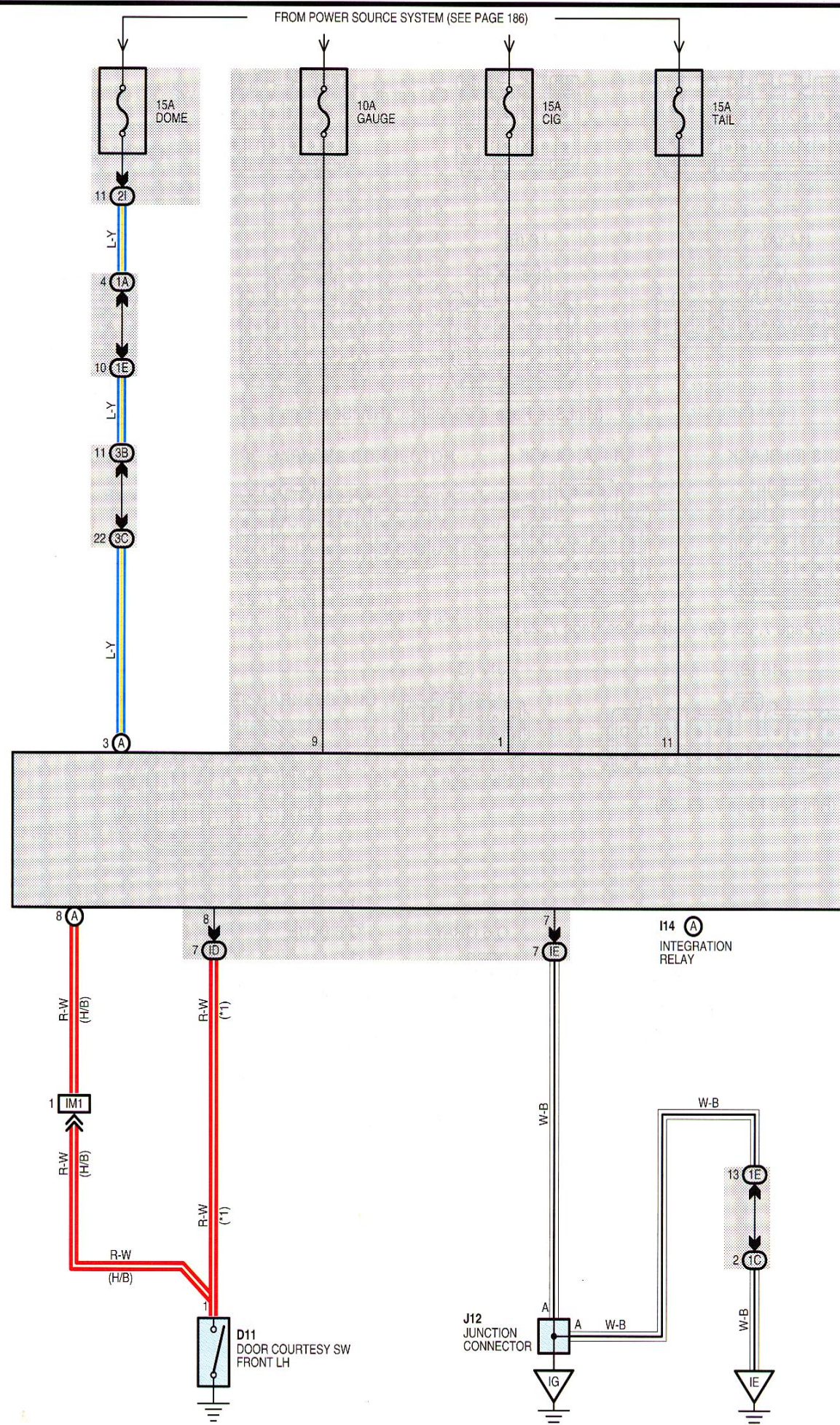
: GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH



LIGHT REMINDER BUZZER(LHD)

* 1:1/B, W/G, S/D



SYSTEM OUTLINE

Current always flows to **TERMINAL (A) 3** of the integration relay through the **DOME** fuse.

With the ignition SW in **ACC** position, current flows to **TERMINAL 1** of the integration relay through the **CIG** fuse. When the ignition SW is turned to **ON** position, current flows to **TERMINAL 9** of the integration relay through the **GAUGE** fuse. When the light control SW is turned to **TAIL** or **HEAD** position, current is applied to **TERMINAL 11** of the integration relay through the **TAIL** fuse.

LIGHT REMINDER SYSTEM

When the light control SW in **TAIL** or **HEAD** position, the ignition SW is turned to **OFF** from **ON** position, and the driver's door is opened (Door courtesy SW on), the current flow to **TERMINAL 1** and **9** of the integration relay stops. As a result, the relay is activated and current flows from **TERMINAL (A) 3** of the relay to **TERMINAL 7** to **GROUND**, sounding the light reminder buzzer.

SERVICE HINTS

I14 (A) INTEGRATION RELAY

- 9-GROUND: Approx. **12** volts with ignition SW at **ON** position
- 1-GROUND: Approx. **12** volts with ignition SW at **ACC** or **ON** position
- 11-GROUND: Approx. **12** volts with light control SW at **TAIL** or **HEAD** position
- 7-GROUND: Always continuity
- 8, (A) 8-GROUND: Continuity with driver's door open
- (A) 3-GROUND: Always approx. **12** volts

 : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D11	88 (LHD S/D)	D11	92 (LHD H/B)	I14	A 84 (LHD)
	90 (LHD L/B)		94 (LHD W/G)	J12	86 (LHD)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

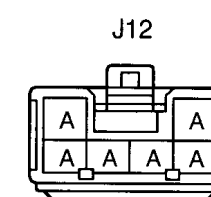
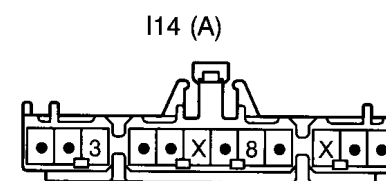
Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)

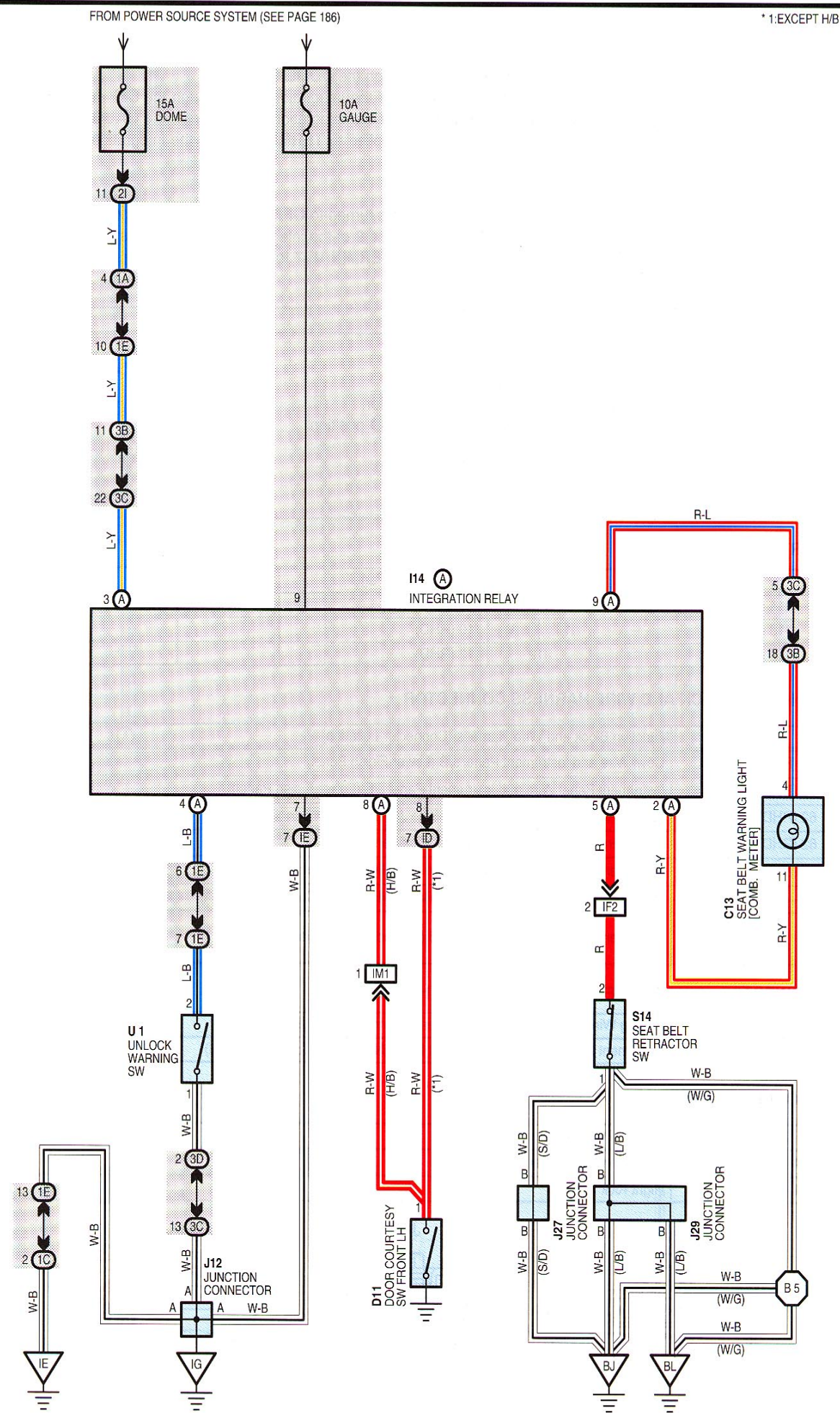
 : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH



(Hint: See Page 7, 23, 39)

KEY REMINDER AND SEAT BELT WARNING(LHD)



SYSTEM OUTLINE

Current always flows to **TERMINAL (A) 3** of the integration relay through the **DOME** fuse.

1. SEAT BELT WARNING SYSTEM

When the ignition SW is turned on, current flows from the **GAUGE** fuse to the integration relay at the same time, current flows to **TERMINAL 9** of the relay from the **GAUGE** fuse through the seat belt warning light. This current activates the integration relay and, at intervals of approx. **0.6** seconds, current flowing through the warning light flows from **TERMINAL (A) 2** of the relay to **TERMINAL 7** to **GROUND**, causing the warning light to blink. At the same as the warning light blinks, a seat belt retractor SW off signal is input to **TERMINAL (A) 5** of the relay, the current flowing to **TERMINAL (A) 3** of the relay flows from **TERMINAL 7** to **GROUND** and the seat belt warning buzzer sounds for approx. **6** seconds. However, if seat belt is put on during this period (while the buzzer is sounding and warning light blinking), signal input to **TERMINAL (A) 5** of the relay stops and the current flow from **TERMINAL (A) 3** of the relay to **TERMINAL 7** to **GROUND** is cut, causing the buzzer and warning light blinking to stop.

2. KEY REMINDER SYSTEM

With the ignition key inserted in the key cylinder (Unlock warning SW on), the ignition SW still off and door open (Door courtesy SW on), when a signal is input **TERMINALS (A) 4, (A) 8** or **8** of the relay, the integration relay operates, current flows from **TERMINAL (A) 3** of the relay to **TERMINAL 7** to **GROUND** and the key reminder buzzer sounds.

SERVICE HINTS

U 1 UNLOCK WARNING SW

1-2: Closed with ignition key in cylinder

S14 SEAT BELT RETRACTOR SW

1-2: Open with driver's seat belt in use

I14 (A) INTEGRATION RELAY

9-GROUND: Approx. **12** volts with ignition SW at **ON** position

7-GROUND: Always continuity

(A) 5-GROUND: Continuity with driver's seat belt not use

(A) 4-GROUND: Continuity with ignition key in cylinder

(A) 3-GROUND: Always approx. **12** volts

8,(A) 8-GROUND: Continuity with front LH door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C13	84 (LHD)	I14	A	84 (LHD)	
	88 (LHD S/D)	J12		86 (LHD)	S14
	90 (LHD L/B)	J27		88 (LHD S/D)	
	92 (LHD H/B)	J29		90 (LHD L/B)	U 1
	94 (LHD W/G)	S14		88 (LHD S/D)	

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B		
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3D		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)

KEY REMINDER AND SEAT BELT WARNING(LHD)

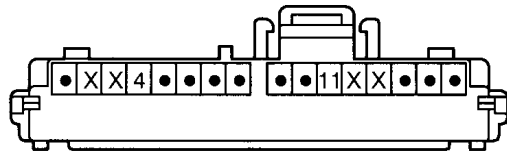
 : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	142 (LHD W/G)	Rear Quarter Panel LH
BL	138 (LHD L/B)	Back Panel Center
	142 (LHD W/G)	Rear Quarter Panel RH

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 5	142 (LHD W/G)	Floor Wire			

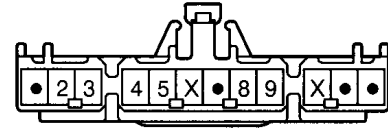
C13



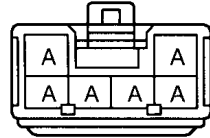
D11



114 (A)

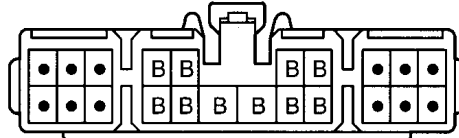


J12



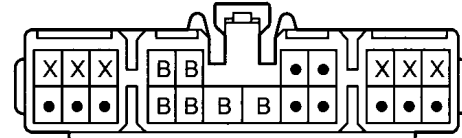
(Hint: See Page 7, 23, 39)

J27



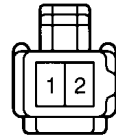
(Hint: See Page 7, 23, 39)

J29 DARK GRAY

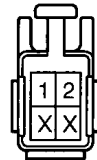


(Hint: See Page 7, 23, 39)

S14

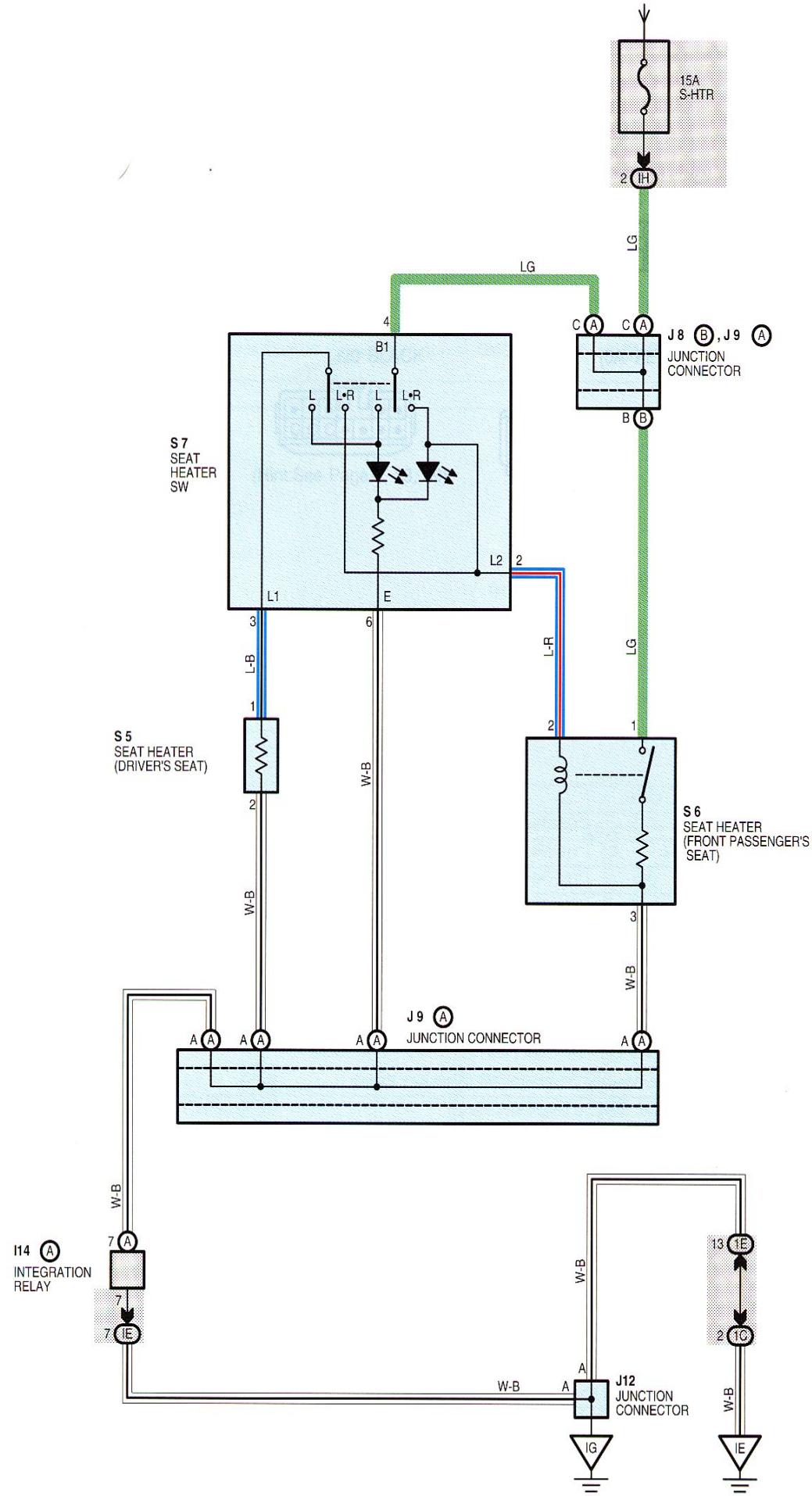


U 1



SEAT HEATER(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

S 7 SEAT HEATER SW

4-GROUND: Approx. **12** volts with the ignition SW at **ON** position
6-GROUND: Always continuity

○ : PARTS LOCATION

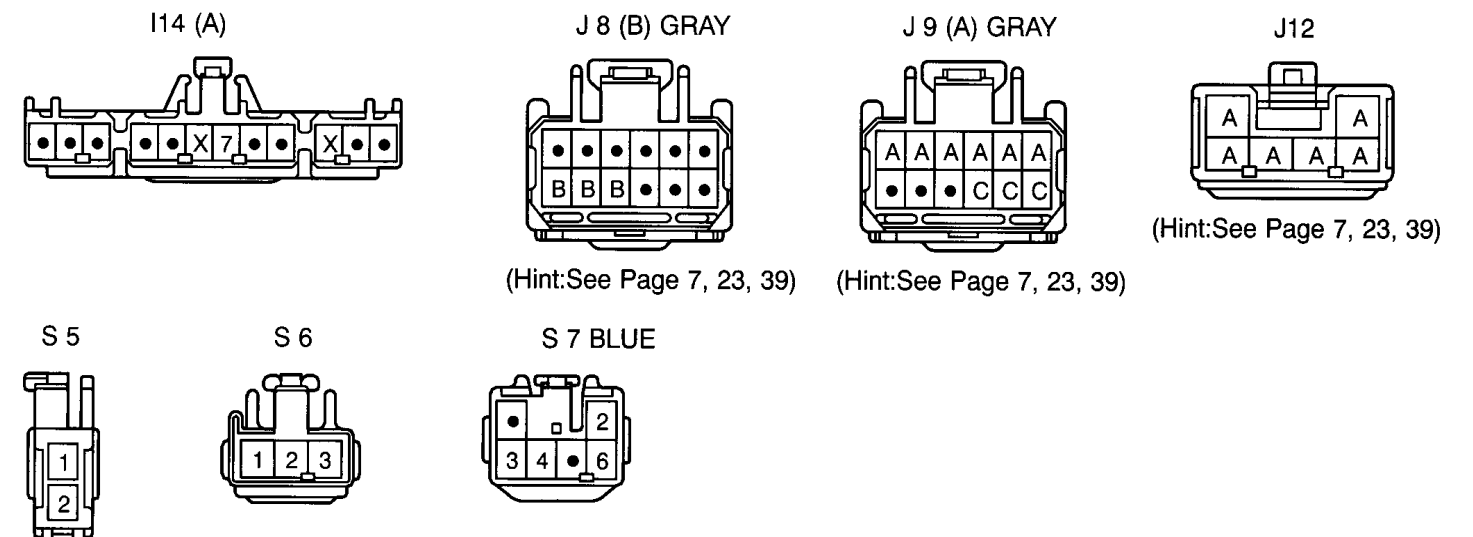
Code		See Page	Code	See Page	Code	See Page
I14	A	84 (LHD)	J12	86 (LHD)	S 7	86 (LHD)
J 8	B	86 (LHD)	S 5	86 (LHD)		
J 9	A	86 (LHD)	S 6	86 (LHD)		

Q : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

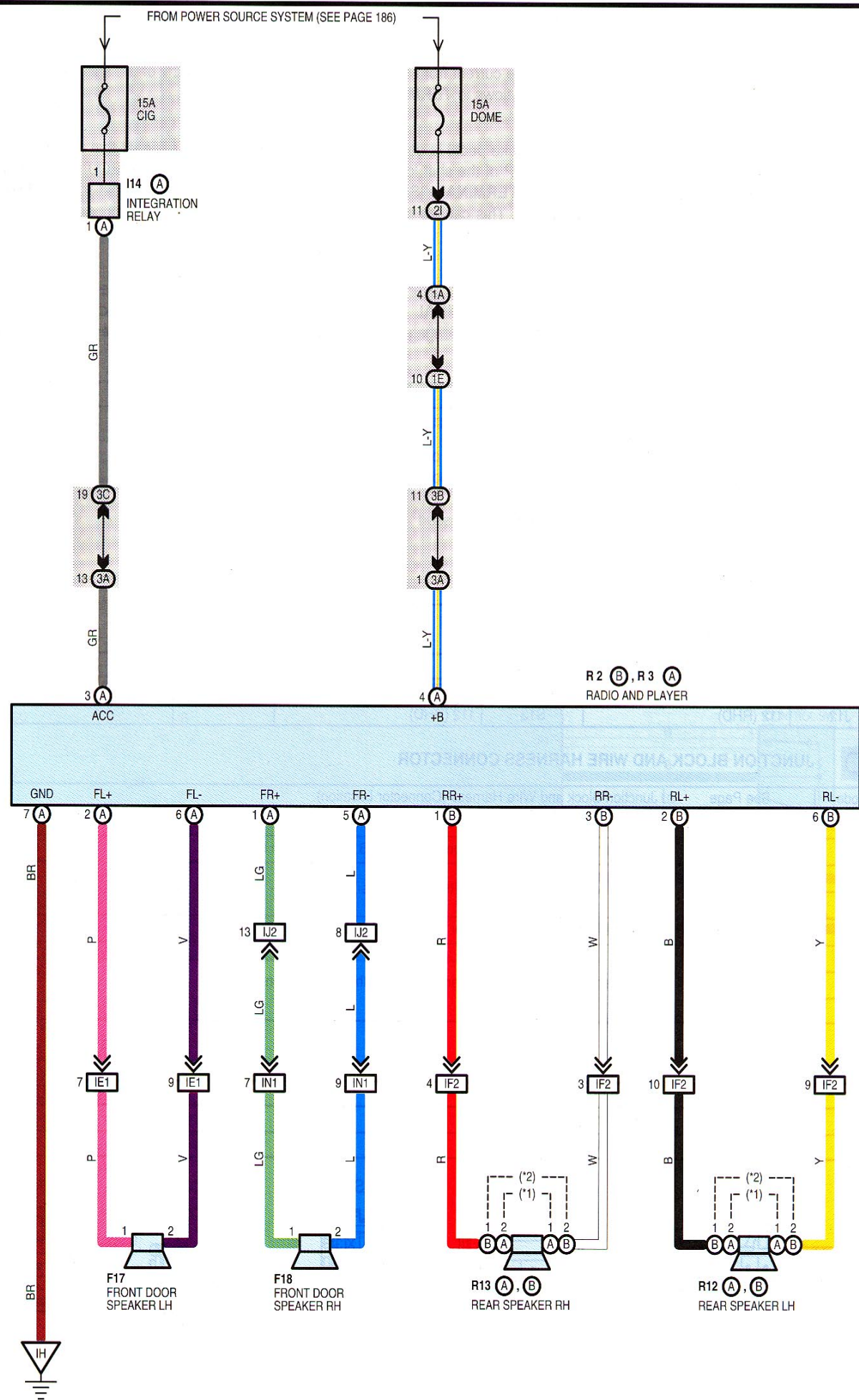
Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IH		
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)

 : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH



*1:EXCEPT W/G
*2:W/G



SERVICE HINTS

R 3 (A) RADIO AND PLAYER

- (A) 4-GROUND: Always approx. 12 volts
- (A) 3-GROUND: Approx. 12 volts with the ignition SW at ACC or ON position
- (A) 7-GROUND: Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
F17	88 (LHD S/D)	F18	94 (LHD W/G)	R12	B 94 (LHD W/G)
	90 (LHD L/B)	I14	A 84 (LHD)	R13	A 88 (LHD S/D)
	92 (LHD H/B)	R 2	B 86 (LHD)		A 90 (LHD L/B)
	94 (LHD W/G)	R 3	A 86 (LHD)		B 92 (LHD H/B)
F18	88 (LHD S/D)	R12	A		B 94 (LHD W/G)
	90 (LHD L/B)				
	92 (LHD H/B)				

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

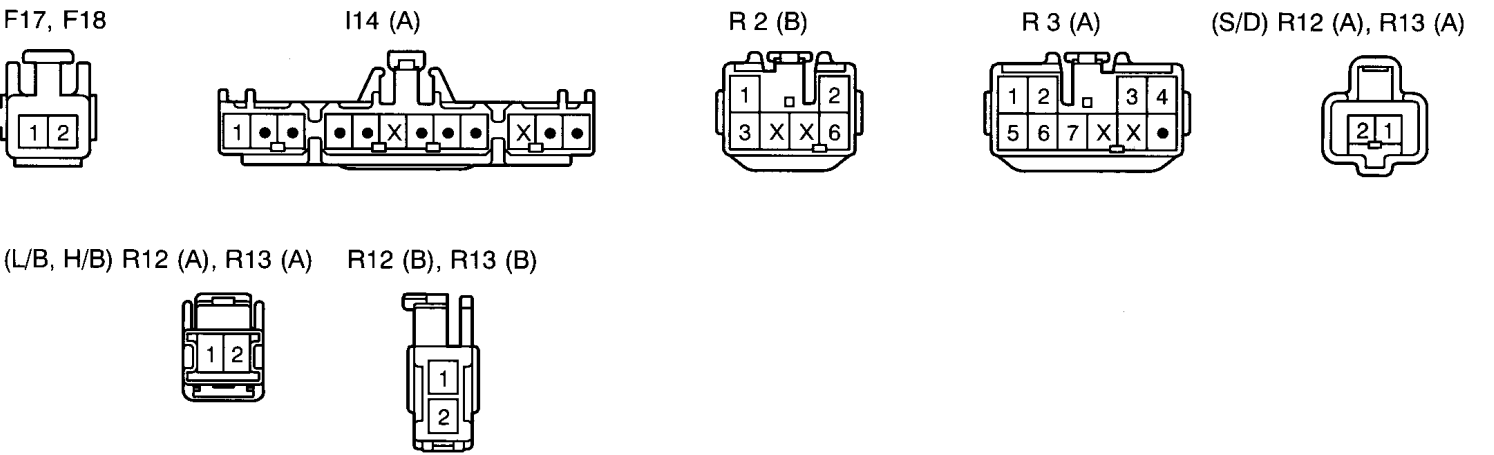
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IN1	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)

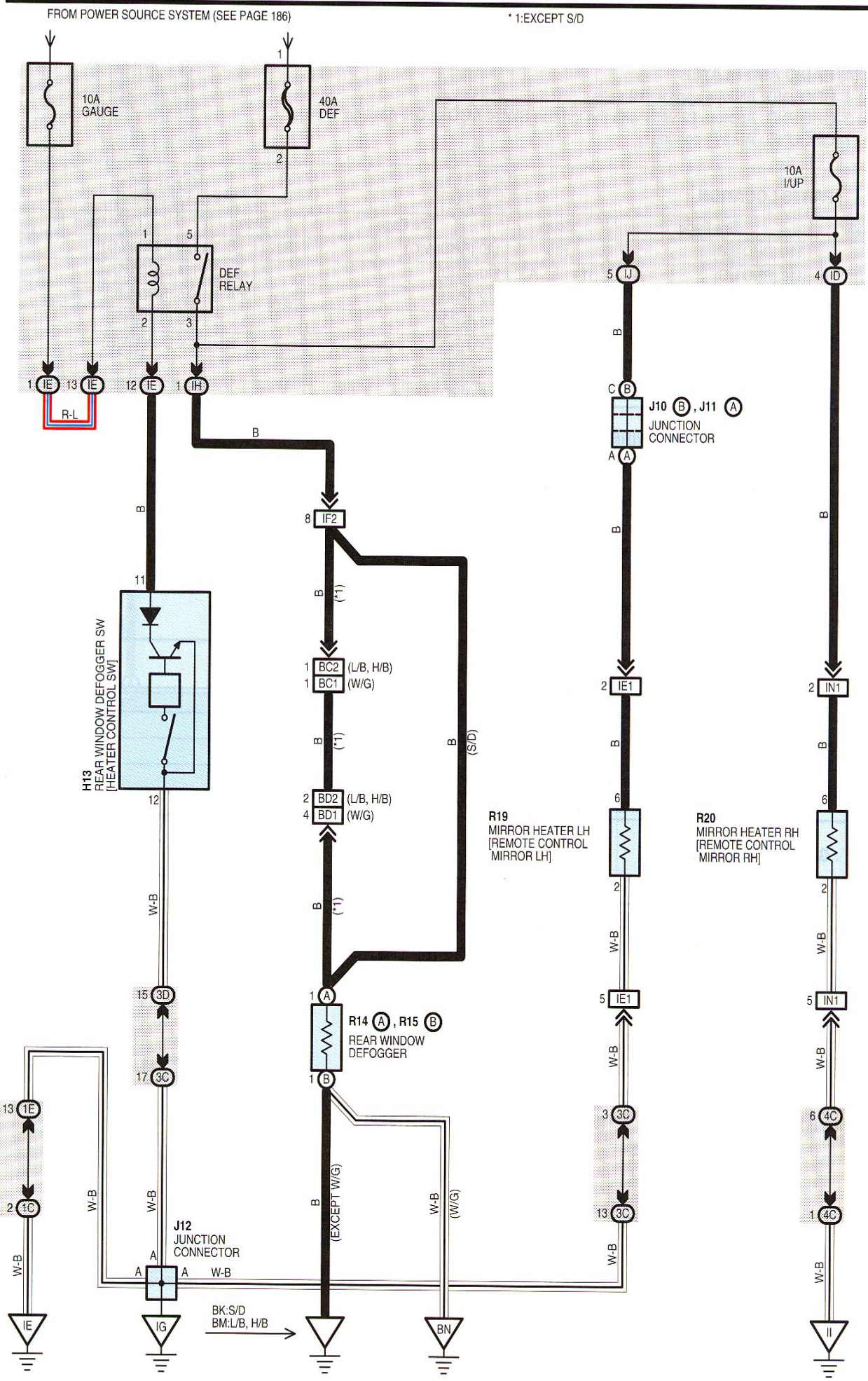
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	132 (LHD)	Instrument Panel Brace RH



(L/B, H/B) R12 (A), R13 (A) R12 (B), R13 (B)

REAR WINDOW DEFOGGER AND MIRROR HEATER(LHD)



SERVICE HINTS

DEF RELAY

5-3 : Closed with the ignition SW at **ON** position and the rear window defogger SW on

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H13	84 (LHD)	R14	A	94 (LHD W/G)	
J10	B			R19	92 (LHD H/B)
J11	A				94 (LHD W/G)
J12	86 (LHD)				
		R15	B		88 (LHD S/D)
					90 (LHD L/B)
					92 (LHD H/B)
					94 (LHD W/G)
R14	A			R19	88 (LHD S/D)
					90 (LHD L/B)
					92 (LHD H/B)
					94 (LHD W/G)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ		
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
3C		
3D	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

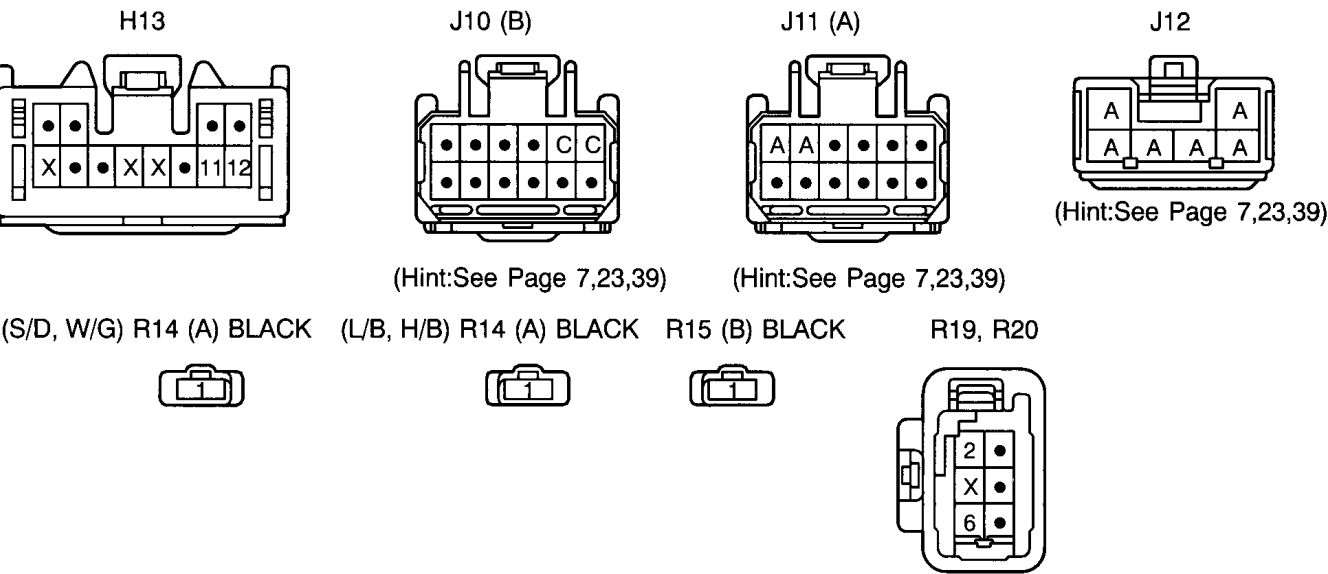
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IN1	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BC2	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BD2	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	140 (LHD H/B)	

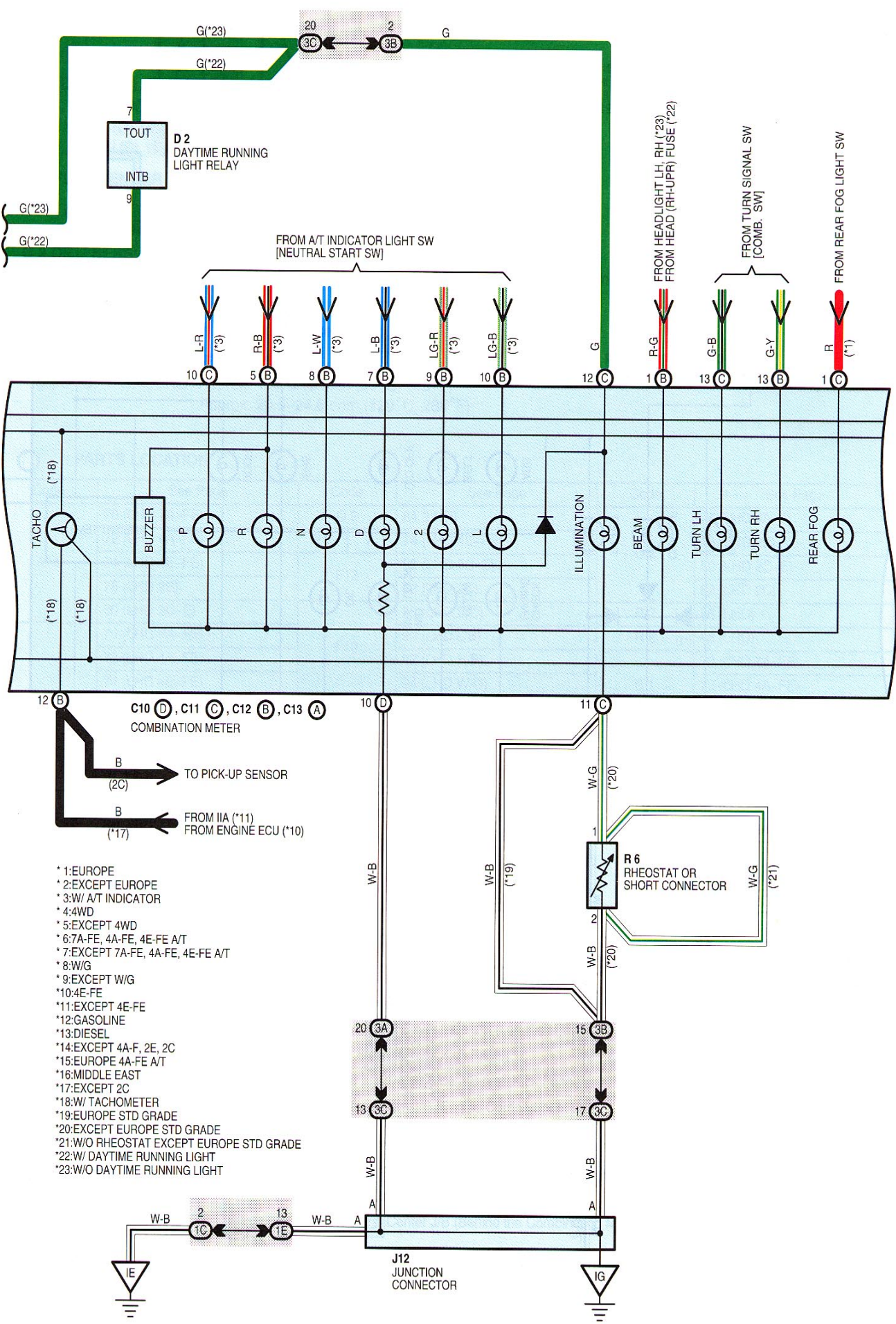
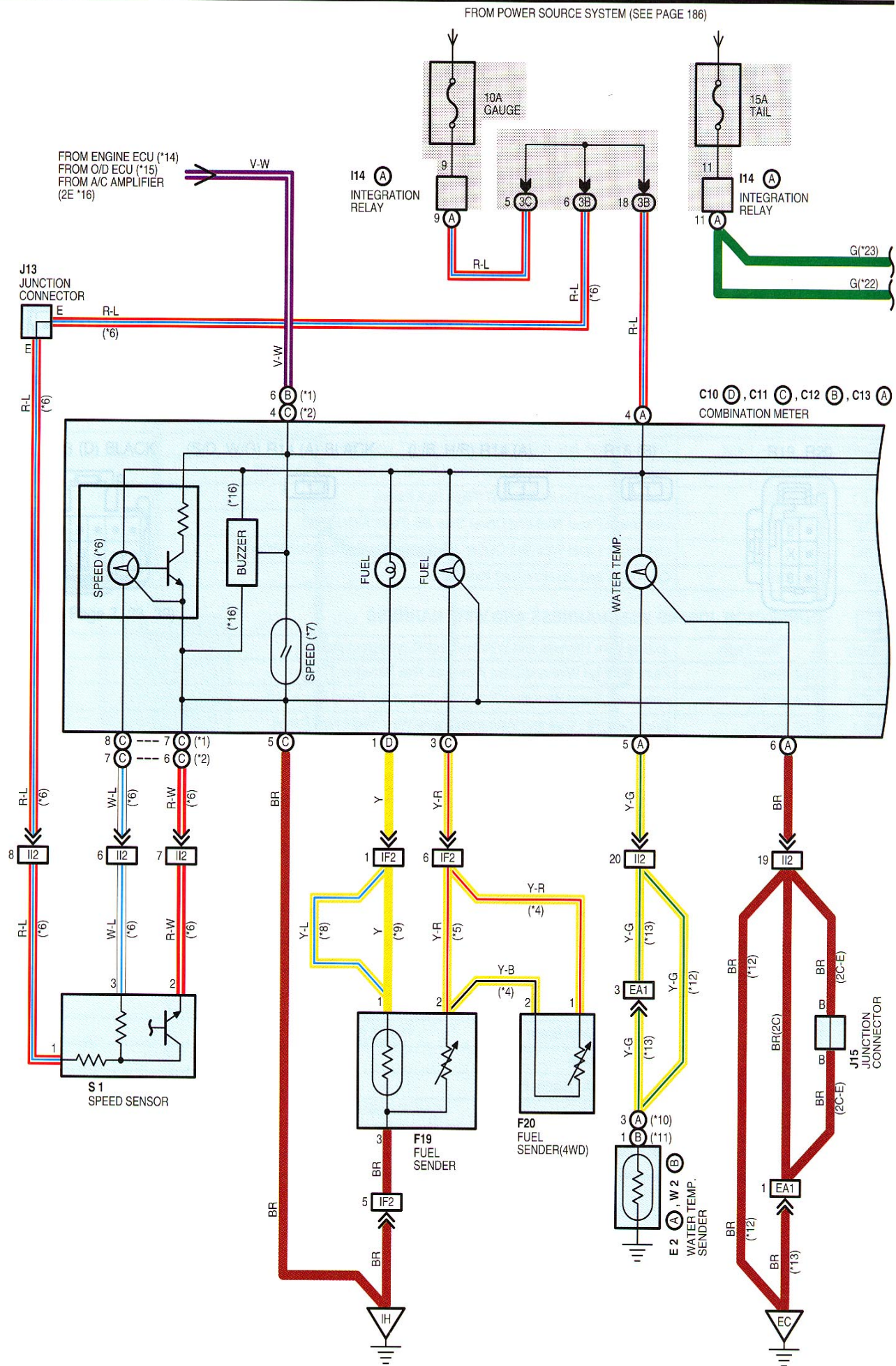
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel
BK	136 (LHD S/D)	Under the Right Quarter Pillar
BM	138 (LHD L/B)	Back Door RH
	140 (LHD H/B)	Back Door LH
BN	142 (LHD W/G)	

REAR WINDOW DEFOGGER AND MIRROR HEATER(LHD)



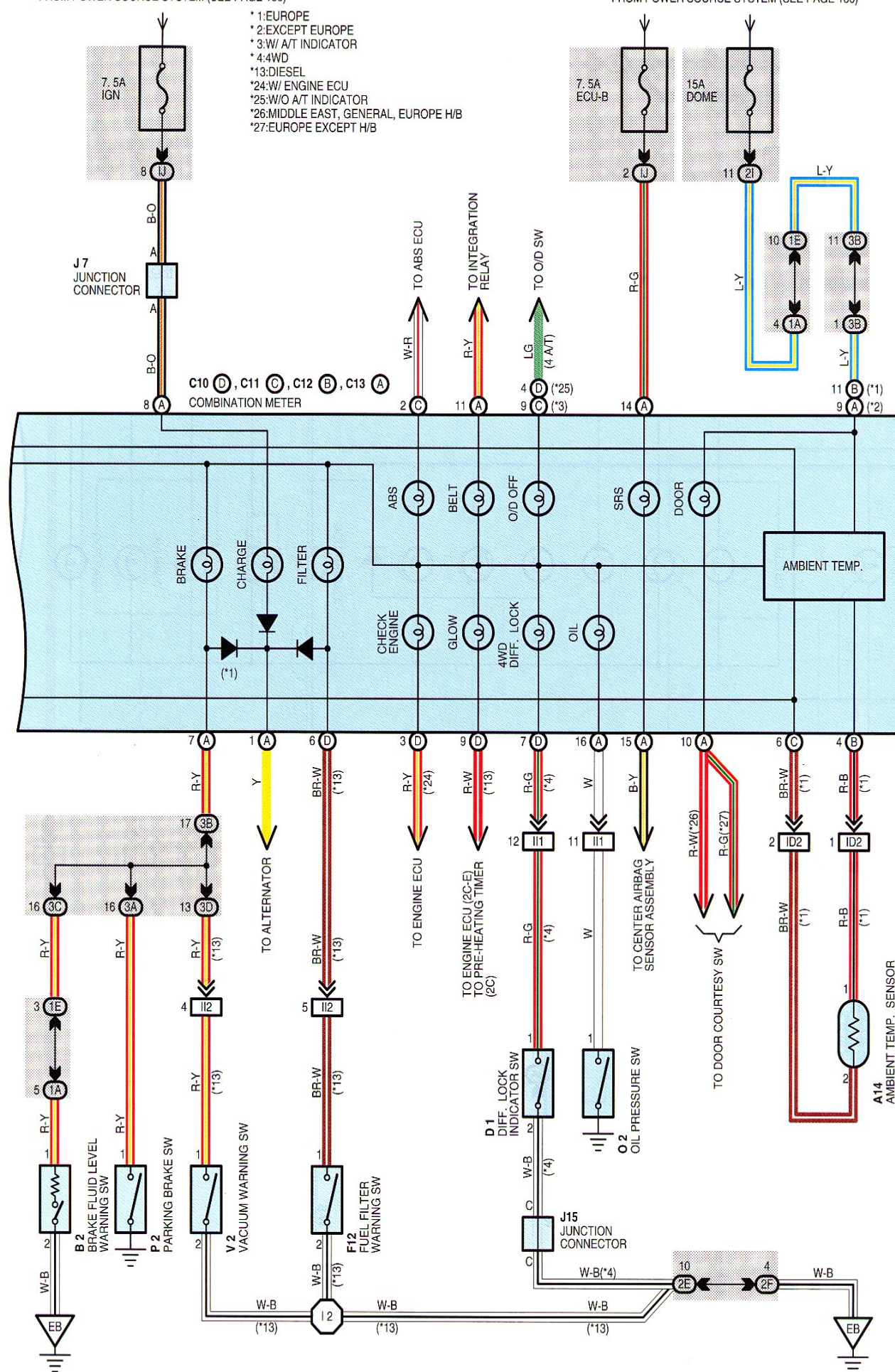
COMBINATION METER(LHD)



COMBINATION METER(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



SERVICE HINTS

B 2 BRAKE FLUID LEVEL WARNING SW

1-2: Closed with the float down

C10 (D), C11 (C), C12 (B), C13 (A) COMBINATION METER

(A) 4, (A) 8-GROUND: Approx. **12** volts with the ignition SW at **ON** position

(A) 6, (A) 5, (D) 10-GROUND: Always continuity

(A) 9, (A) 14, (B) 11-GROUND: Always approx. **12 volts**

F19 FUEL SENDER

2-3: Approx. **3 ohm** at fuel full

Approx. **110 ohm** at fuel empty

02 OIL PRESSURE SW

1-GROUND: Opened with the oil pressure above approx. **20 kpa (2.8 psi, 0.2 kg/cm²)**

P 2 PARKING BRAKE SW

1-GROUND: Closed with the parking brake lever pulled up

E 2 (A), W 2 (B) WATER TEMP. SENDER

(A) 3, (B) 1-GROUND: Approx. **160-240 ohm** (50°C, 122°F)

Approx. **20.5–24.6 ohm (120°C, 288°F)**

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A14		70 (LHD 7A-FE)	D 2		84 (LHD)	O 2		76 (LHD 4A-F)
		72 (LHD 4A-FE)	E 2	A	74 (LHD 4E-FE)			78 (LHD 2E)
		74 (LHD 4E-FE)	F12		80 (LHD 2C-E)			80 (LHD 2C-E)
		78 (LHD 2E)			82 (LHD 2C)			82 (LHD 2C)
		80 (LHD 2C-E)	F19		88 (LHD S/D)	P 2	86 (LHD)	
B 2		70 (LHD 7A-FE)			R 6	86 (LHD)		
		72 (LHD 4A-FE)				S 1	70 (LHD 7A-FE)	
		74 (LHD 4E-FE)					72 (LHD 4A-FE)	
		76 (LHD 4A-F)			F20		94 (LHD W/G)	74 (LHD 4E-FE)
		78 (LHD 2E)	I14	A	84 (LHD)	V 2	80 (LHD 2C-E)	
		80 (LHD 2C-E)	J 7		86 (LHD)		82 (LHD 2C)	
		82 (LHD 2C)	J12		86 (LHD)		W 2	B
		C10	D	84 (LHD)	J13	86 (LHD)		
C11	C	84 (LHD)	J15	86 (LHD)	76 (LHD 4A-F)			
C12	B	84 (LHD)	O 2		70 (LHD 7A-FE)	78 (LHD 2E)		
C13	A	84 (LHD)			72 (LHD 4A-FE)	80 (LHD 2C-E)		
D 1		70 (LHD 7A-FE)			74 (LHD 4E-FE)	82 (LHD 2C)		

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IJ	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		
3D		

COMBINATION METER(LHD)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	128 (LHD 2C-E)	Engine Wire and Engine No.4 Wire (Near the Starter)
	130 (LHD 2C)	
ID2	132 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Lower Finish Panel)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2		

 : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	130 (LHD 2C)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 2	134 (LHD)	Engine Wire			

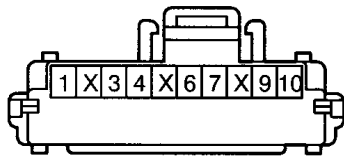
A14 BLACK



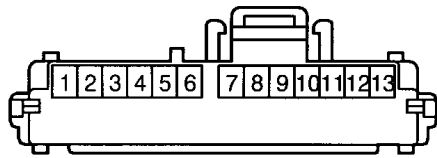
B 2



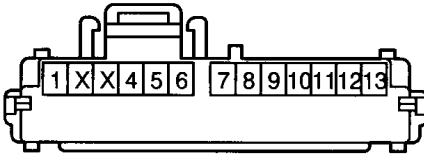
C10 (D) GRAY



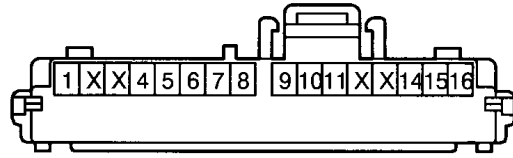
C11 (C) BLUE



C12 (B)



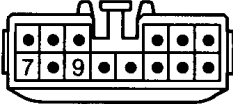
C13 (A)



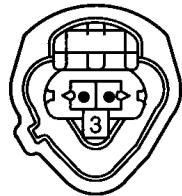
D 1 GRAY



D 2 BLUE



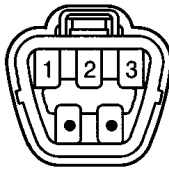
E 2 (A) DARK GRAY



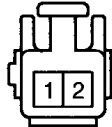
F12 GRAY



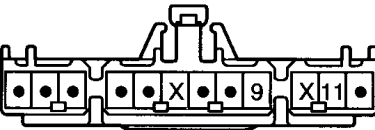
F19 DARK GRAY



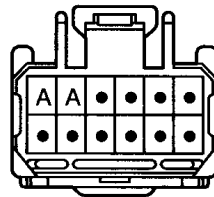
F20



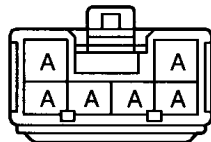
I14 (A)



J 7

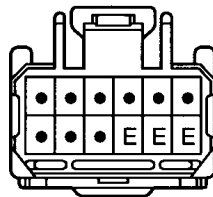


J12



(Hint:See Page 7, 23, 39)

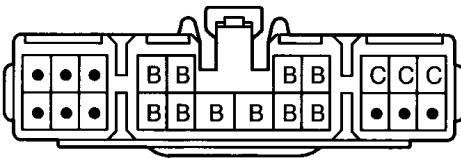
J13 BLACK



(Hint:See Page 7, 23, 39)

(Hint:See Page 7, 23, 39)

J15



(Hint:See Page 7, 23, 39)

(Except 4A-F) O 2 GRAY



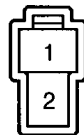
(4A-F) O 2 BLACK



P 2 BLACK



(w/ Rheostat) R 6 BLACK (w/o Rheostat) R 6



S 1 BLACK



V 2 BLACK (7A-FE, 4A-FE) W 2 (B) GRAY



(4A-F, 2E) W 2 (B) GRAY (2C-E, 2C) W 2 (B) GRAY



RADIATOR FAN AND CONDENSER FAN(LHD)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A 1	70 (LHD 7A-FE)	A 4	78 (LHD 2E)	R 1	72 (LHD 4A-FE)
	72 (LHD 4A-FE)		80 (LHD 2C-E)		74 (LHD 4E-FE)
	74 (LHD 4E-FE)		82 (LHD 2C)		76 (LHD 4A-F)
	76 (LHD 4A-F)	E 3	84 (LHD)		78 (LHD 2E)
	78 (LHD 2E)		70 (LHD 7A-FE)		80 (LHD 2C-E)
	80 (LHD 2C-E)		72 (LHD 4A-FE)		82 (LHD 2C)
	82 (LHD 2C)		74 (LHD 4E-FE)	W 6	70 (LHD 7A-FE)
A 3	74 (LHD 4E-FE)	F15	76 (LHD 4A-F)		72 (LHD 4A-FE)
	78 (LHD 2E)		78 (LHD 2E)		74 (LHD 4E-FE)
A 4	70 (LHD 7A-FE)		80 (LHD 2C-E)		76 (LHD 4A-F)
	72 (LHD 4A-FE)		82 (LHD 2C)		78 (LHD 2E)
	74 (LHD 4E-FE)	J15	86 (LHD)		80 (LHD 2C-E)
	76 (LHD 4A-F)	R 1	70 (LHD 7A-FE)		82 (LHD 2C)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C		
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2H		
2I		

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	

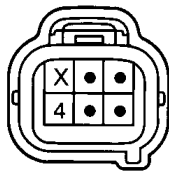
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 1	134 (LHD)	Engine Room Main Wire			

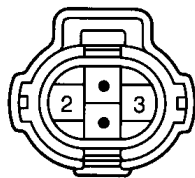
A 1 BLACK



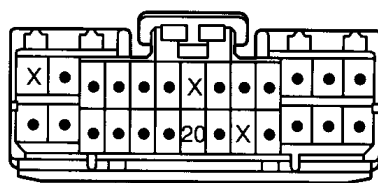
A 3 GRAY



A 4 BLACK



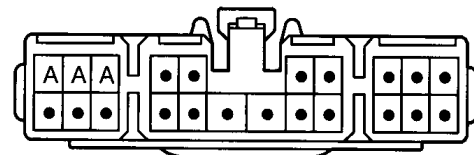
E 3 DARK GRAY



F15

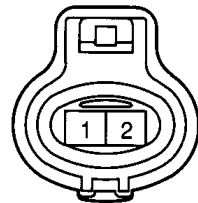
(See Page 64)

J15



(Hint:See Page 7, 23, 39)

R 1 GRAY (Gasoline) W 6 GRAY

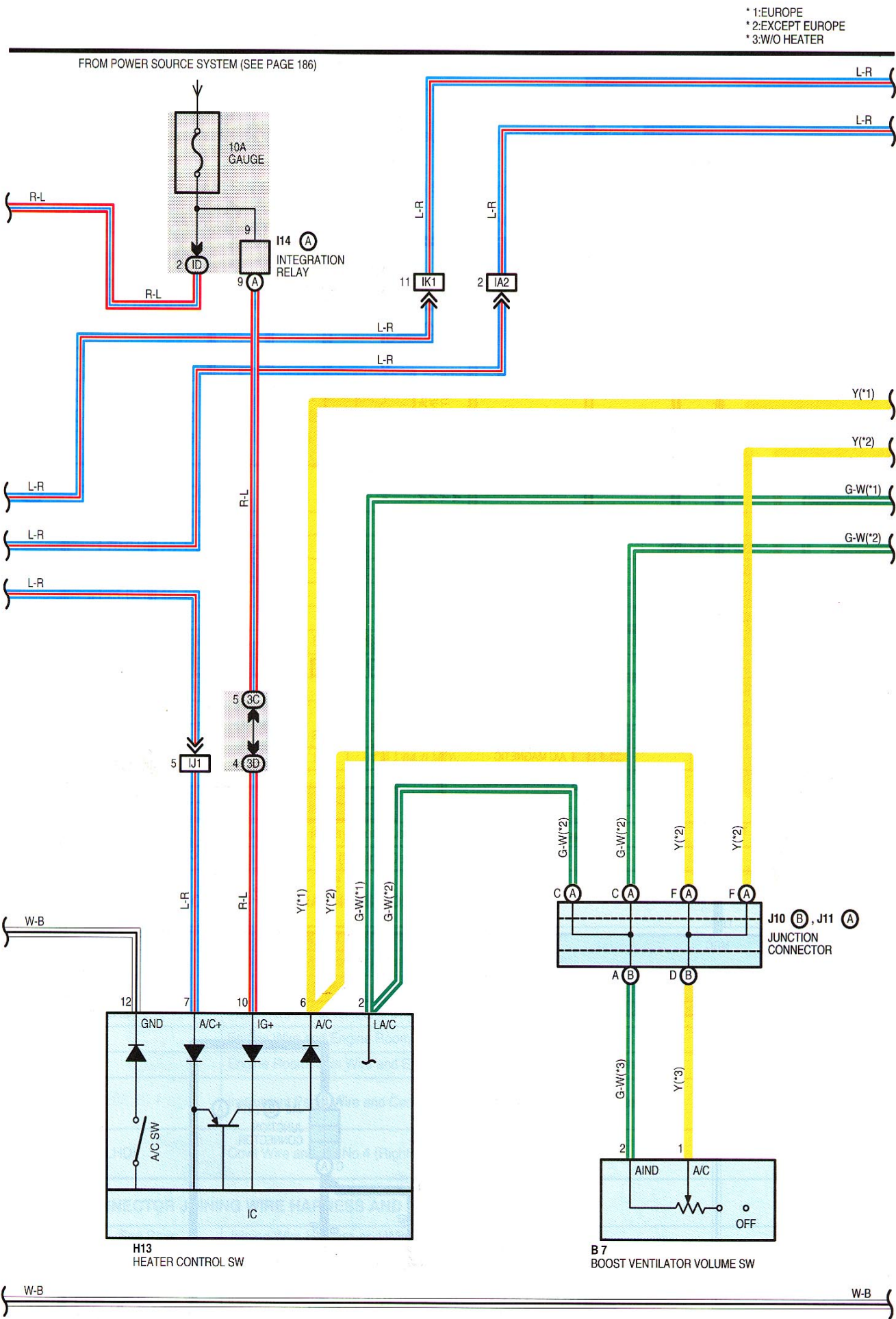
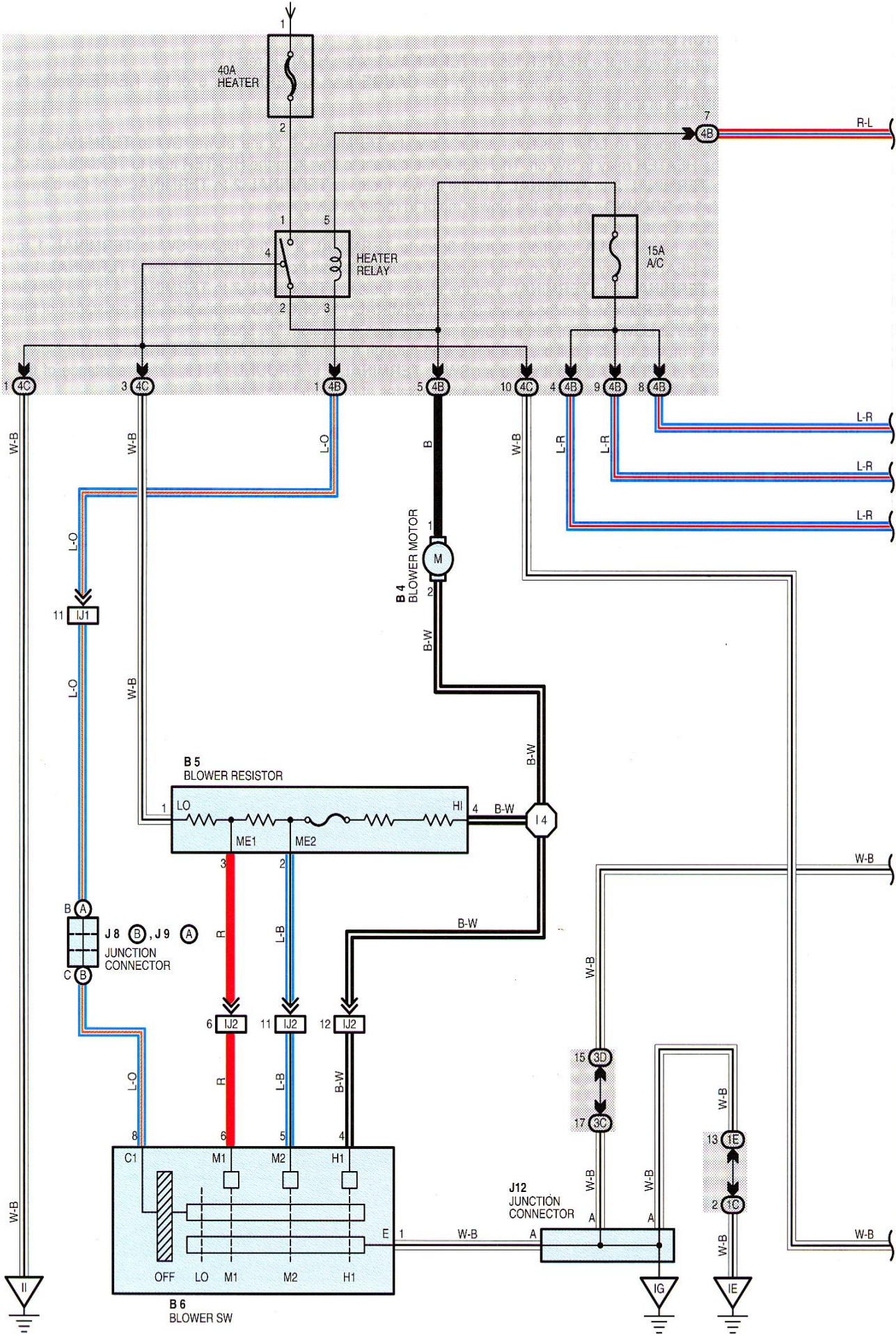


(Diesel) W 6 GRAY

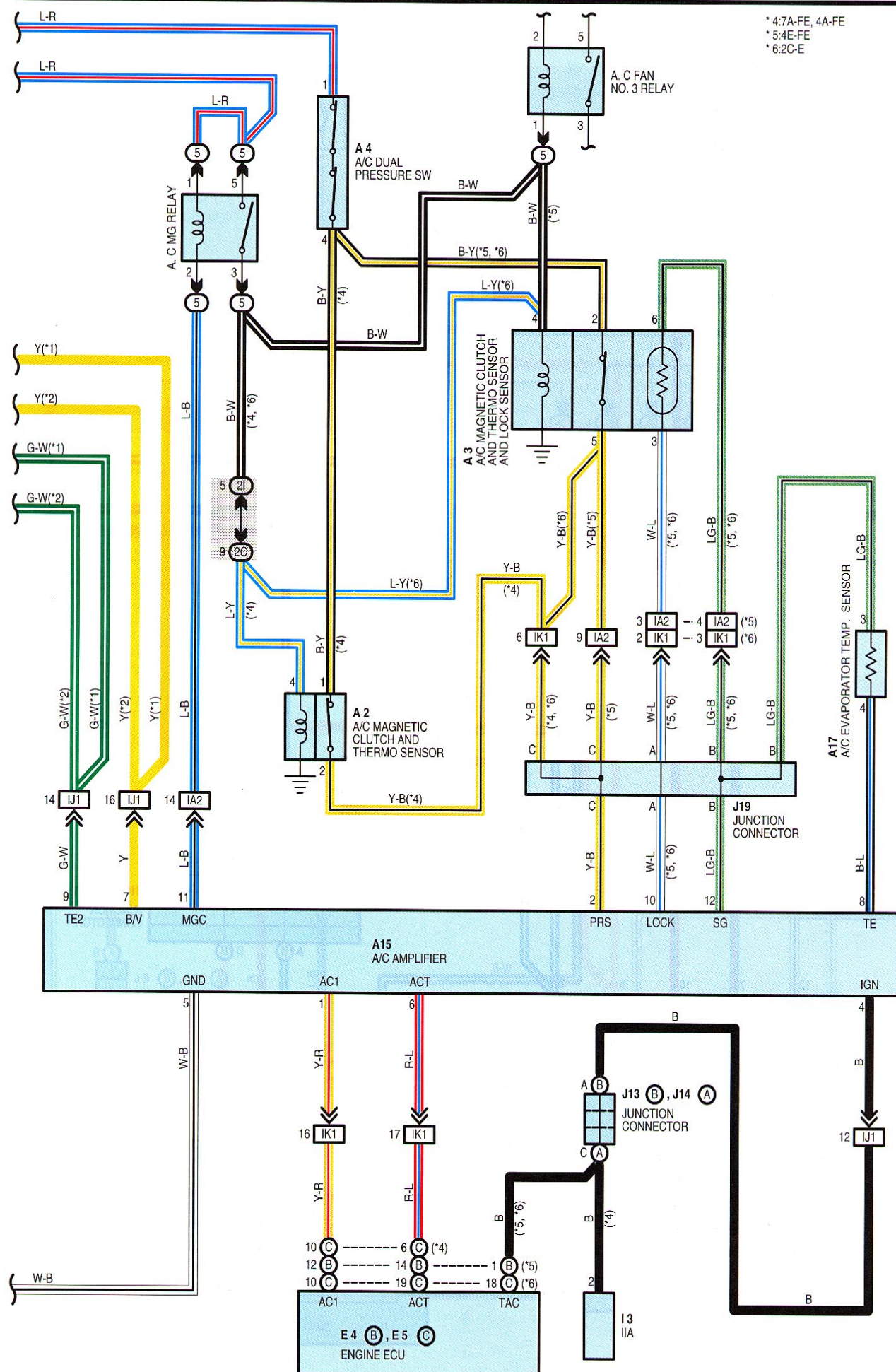


AIR CONDITIONER(LHD 7A-FE,4A-FE,4E-FE,2C-E)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



AIR CONDITIONER(LHD 7A-FE,4A-FE,4E-FE,2C-E)



SERVICE HINTS

A 4 A/C DUAL PRESSURE SW

1-4 :open with the pressure less than **2.0 kg/cm² (28.4 psi, 196 kpa)** or above **32 kg/cm² (455 psi, 3138 kpa)**

A15 A/C AMPLIFIER

11-5 :Continuity with the A/C SW (inside the heater control SW) on and the ignition SW at **ON** position

5-GROUND :Always continuity

2-GROUND :Approx. **12** volts with the ignition SW on and blower SW on

B 5 BLOWER RESISTOR

4-2 :Approx. **0.40** ohm

4-3 :Approx. **1.20** ohm

4-1 :Approx. **3.20** ohm

B 6 BLOWER SW

8-1 :Continuity with the blower SW at **LO, M1, M2** and **HI** position

6-1 :Continuity with the blower SW at **M1** position

5-1 :Continuity with the blower SW at **M2** position

4-1 :Continuity with the blower SW at **HI** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A 2	70 (LHD 7A-FE)	B 4	84 (LHD)	J 8	B 86 (LHD)
	72 (LHD 4A-FE)	B 5	84 (LHD)	J 9	A 86 (LHD)
A 3	74 (LHD 4E-FE)	B 6	84 (LHD)	J10	B 86 (LHD)
	80 (LHD 2C-E)	B 7	84 (LHD)	J11	A 86 (LHD)
A 4	70 (LHD 7A-FE)	E 4	B 84 (LHD)	J12	86 (LHD)
	72 (LHD 4A-FE)	E 5	C 84 (LHD)	J13	B 86 (LHD)
	74 (LHD 4E-FE)	H13	84 (LHD)	J14	A 86 (LHD)
	80 (LHD 2C-E)	I 3	70 (LHD 7A-FE)	J19	86 (LHD)
A15	84 (LHD)		72 (LHD 4A-FE)		
A17	84 (LHD)	I14	A 84 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2I	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3D		
4B	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)
4C		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2		
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

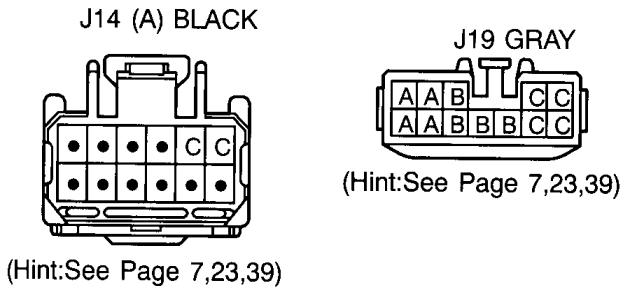
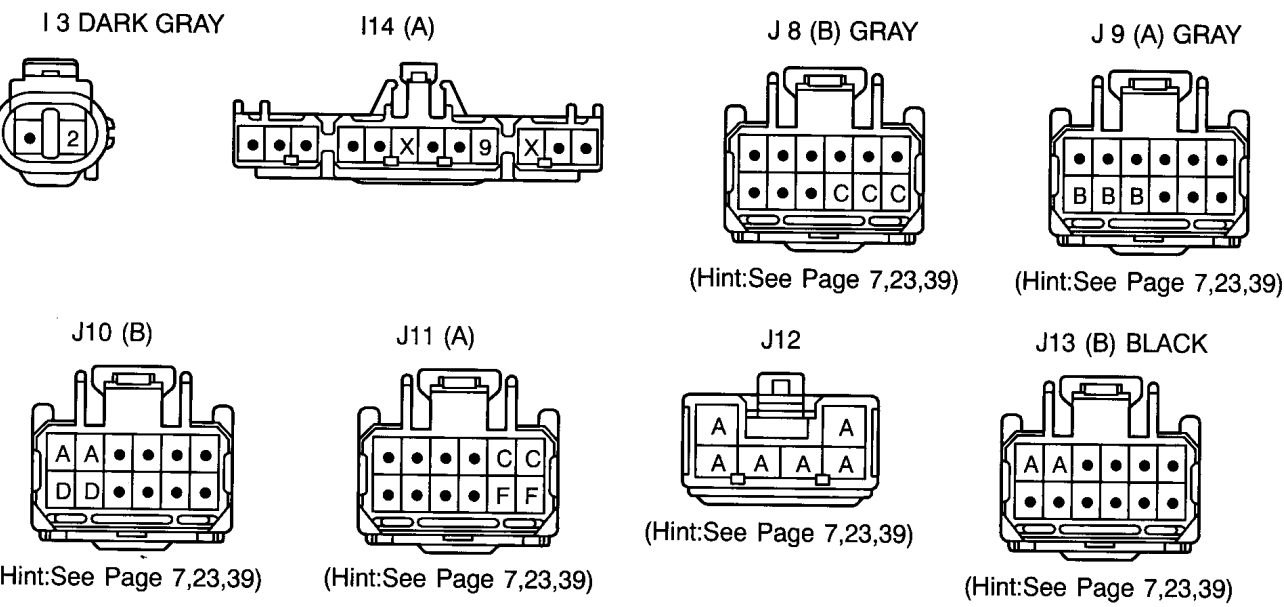
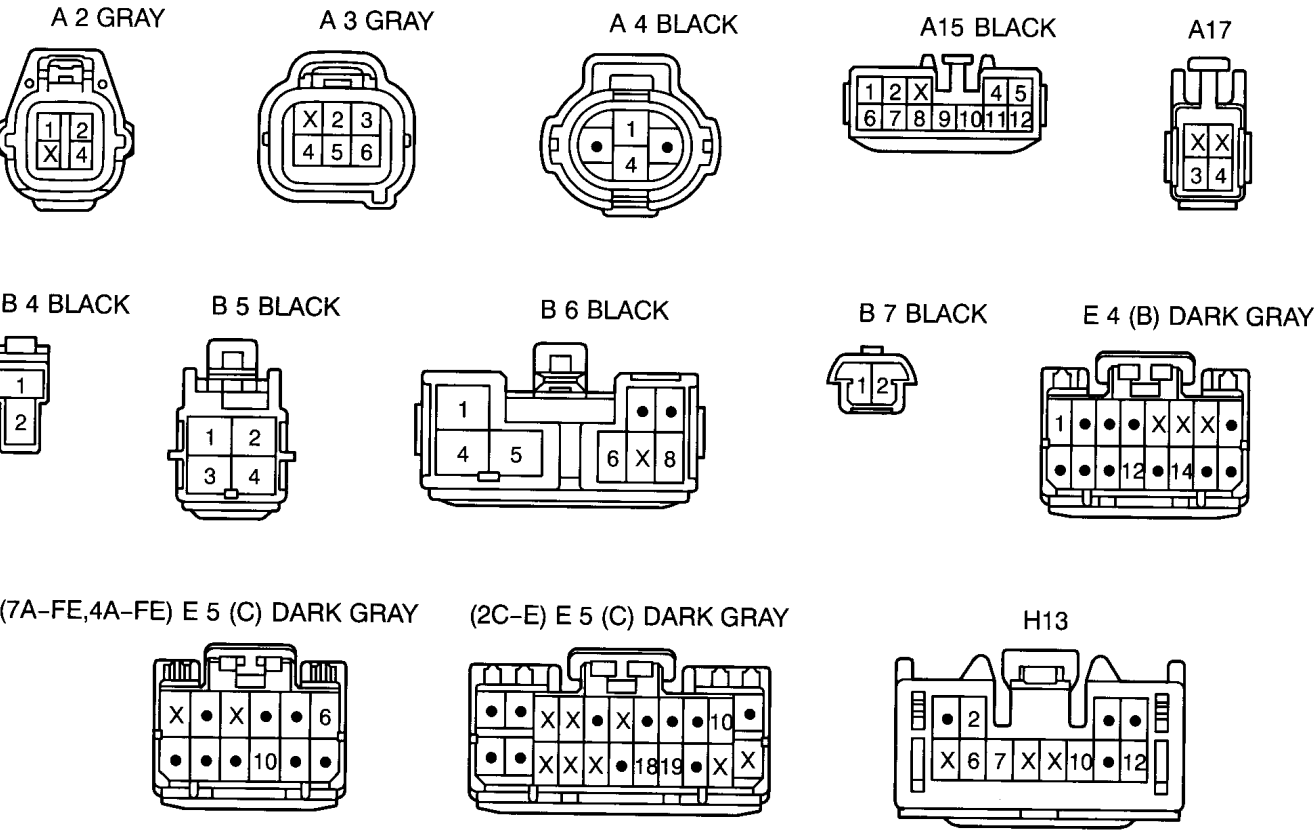
AIR CONDITIONER(LHD 7A-FE,4A-FE,4E-FE,2C-E)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel

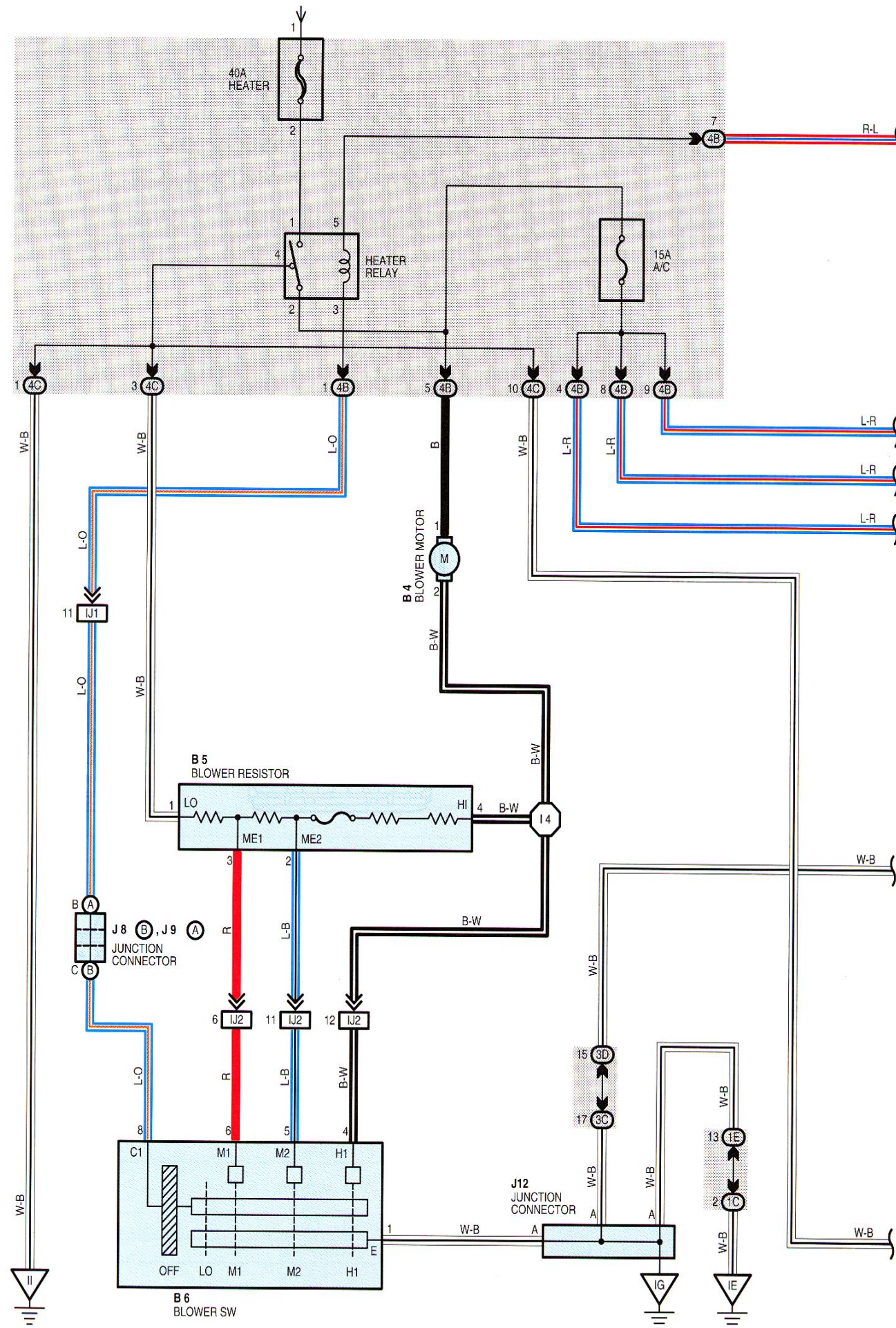
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 4	134 (LHD)	Cowl Wire			



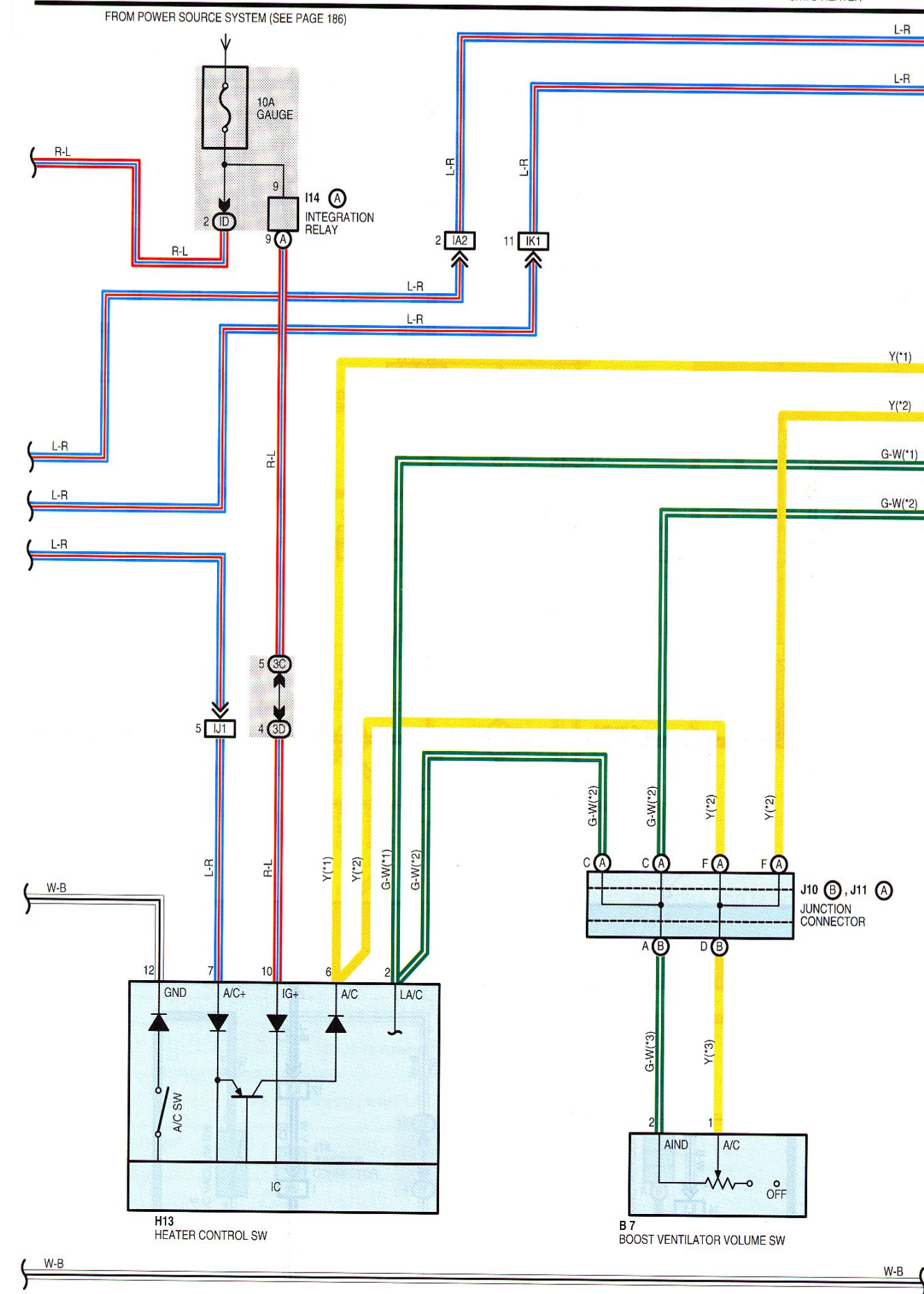
AIR CONDITIONER(LHD 4A-F, 2E)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)

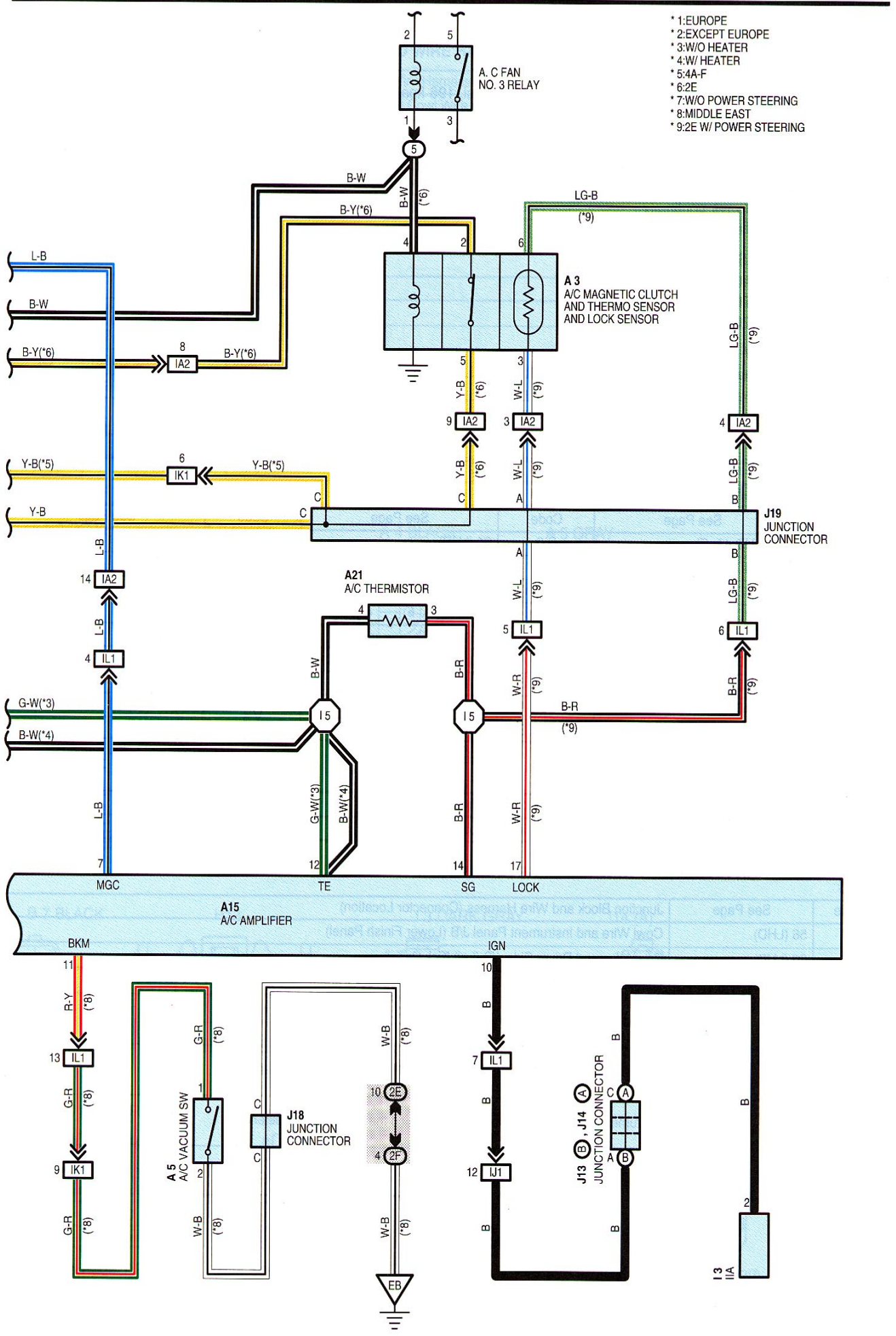
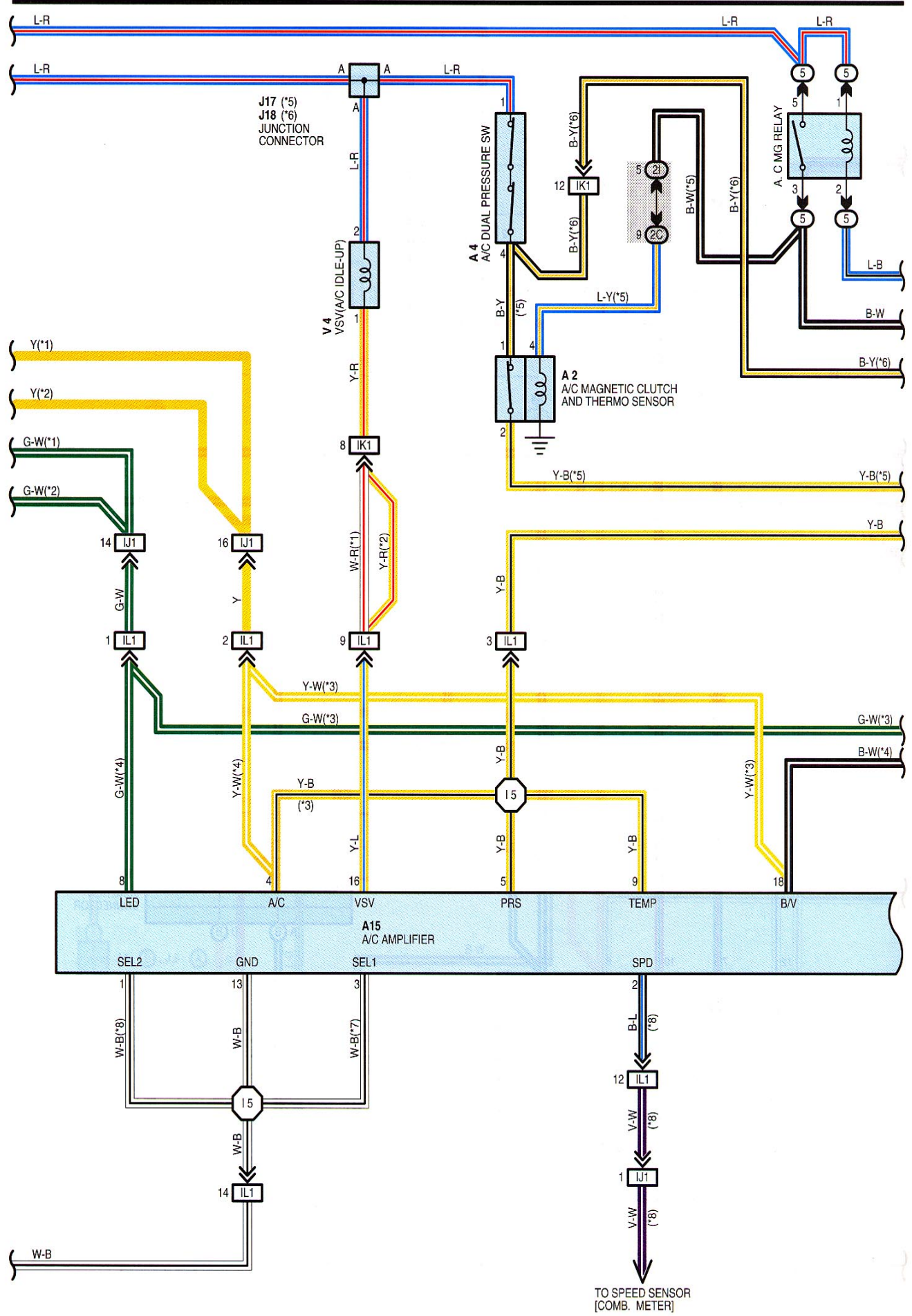


- * 1:EUROPE
- * 2:EXCEPT EUROPE
- * 3:W/O HEATER

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



AIR CONDITIONER(LHD 4A-F, 2E)



SERVICE HINTS

A 4 A/C DUAL PRESSURE SW

1-4 :open with the pressure less than 2.0 kg/cm² (28.4 psi, 196 kpa) or above 32 kg/cm² (455 psi, 3138 kpa)

A15 A/C AMPLIFIER

- 7-13 :Continuity with the A/C SW (inside the heater control SW) on and the ignition SW at **ON** position
- 5-GROUND :Approx. 12 volts with the ignition SW on and blower SW on
- 3-GROUND :Always continuity
- 13-GROUND :Always continuity
- 1-GROUND :Always continuity

B 5 BLOWER RESISTOR

- 4-2 :Approx. 0.40 ohm
- 4-3 :Approx. 1.20 ohm
- 4-1 :Approx. 3.20 ohm

B 6 BLOWER SW

- 8-1 :Continuity with the blower SW at **LO, M1, M2** and **HI** position
- 6-1 :Continuity with the blower SW at **M1** position
- 5-1 :Continuity with the blower SW at **M2** position
- 4-1 :Continuity with the blower SW at **HI** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A 2	76 (LHD 4A-F)	B 6	84 (LHD)	J11	A 86 (LHD)
A 3	78 (LHD 2E)	B 7	84 (LHD)	J12	86 (LHD)
A 4	76 (LHD 4A-F)	H13	84 (LHD)	J13	B 86 (LHD)
	78 (LHD 2E)	I 3	76 (LHD 4A-F)	J14	A 86 (LHD)
A 5	78 (LHD 2E)		78 (LHD 2E)	J17	86 (LHD)
A15	84 (LHD)	I14	A 84 (LHD)	J18	86 (LHD)
A21	84 (LHD)	J 8	B 86 (LHD)	J19	86 (LHD)
B 4	84 (LHD)	J 9	A 86 (LHD)	V 4	76 (LHD 4A-F)
B 5	84 (LHD)	J10	B 86 (LHD)		78 (LHD 2E)

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	55	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
ID	56 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2E		
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3C	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3D		
4B	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)
4C		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

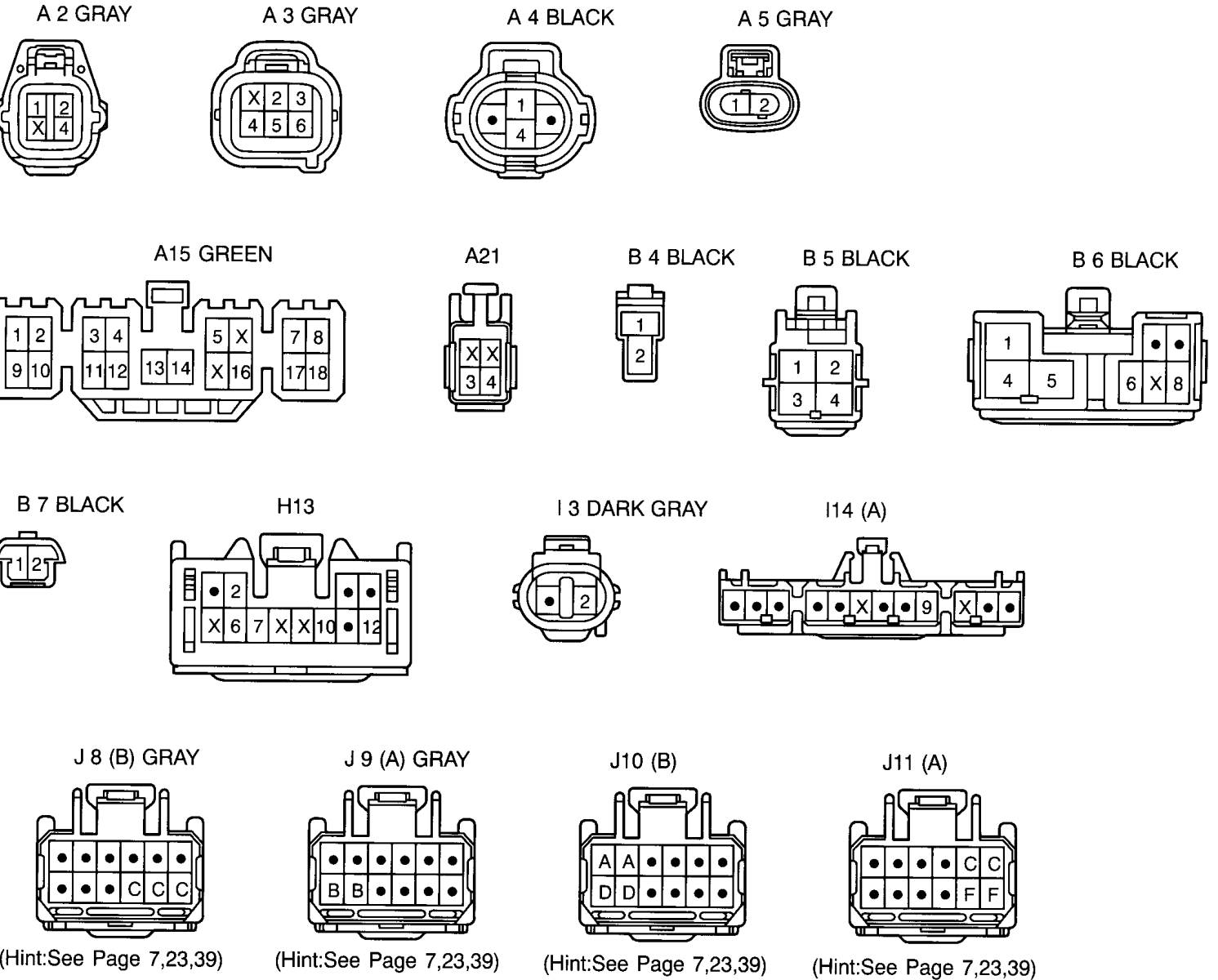
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2		
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)
IL1	134 (LHD)	Cowl Wire and A/C Sub Wire (Behind the Glove Box)

▽ : GROUND POINTS

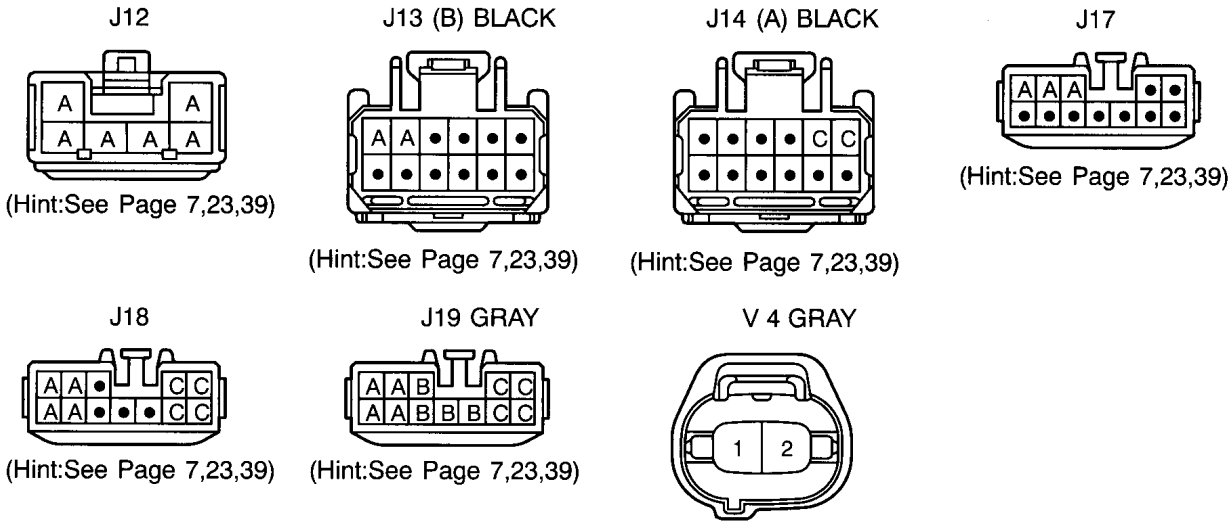
Code	See Page	Ground Points Location
EB	126 (LHD 2E)	Front Side of Left Fender
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 4	134 (LHD)	Cowl Wire	I 5	134 (LHD)	A/C Sub Wire

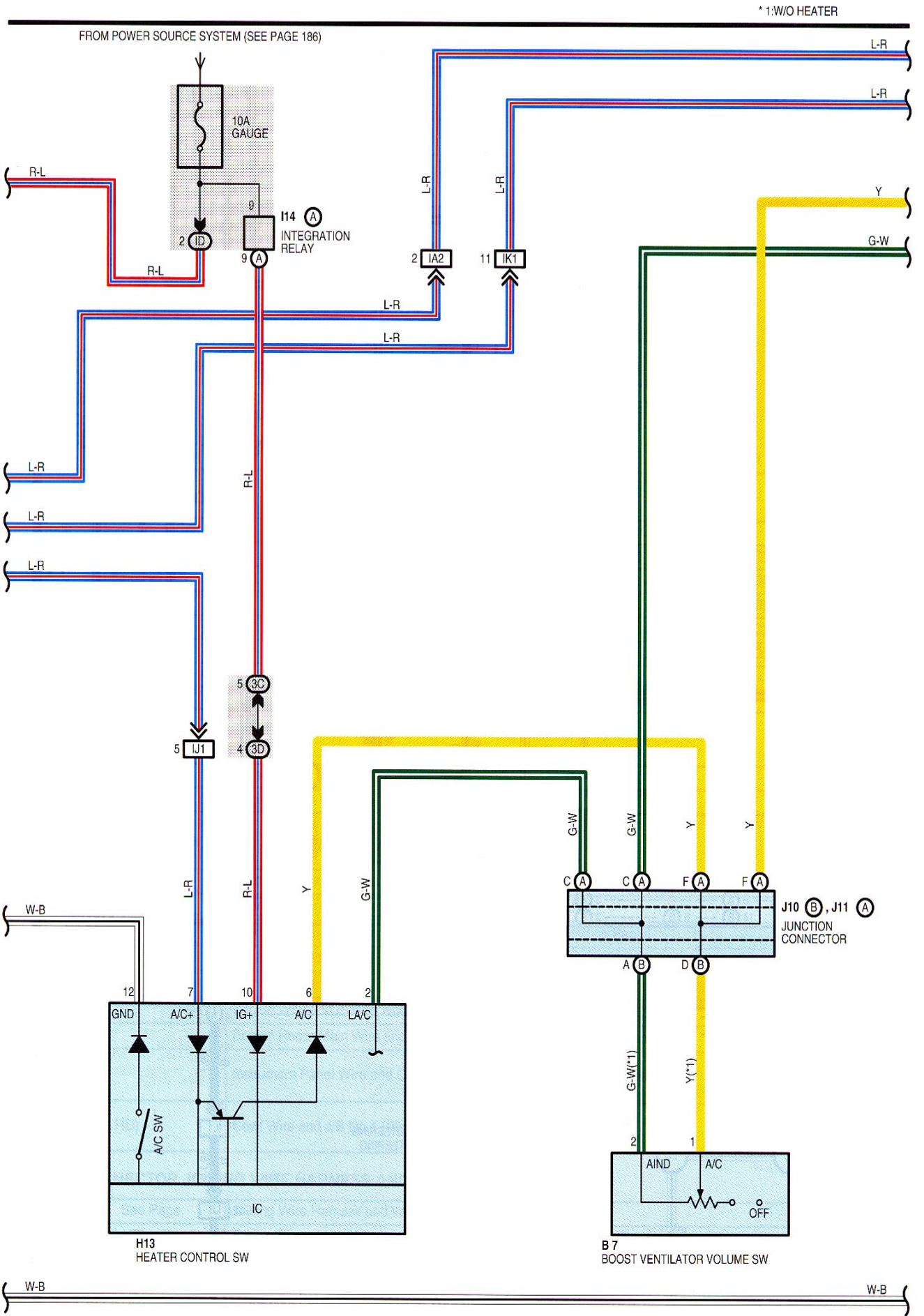
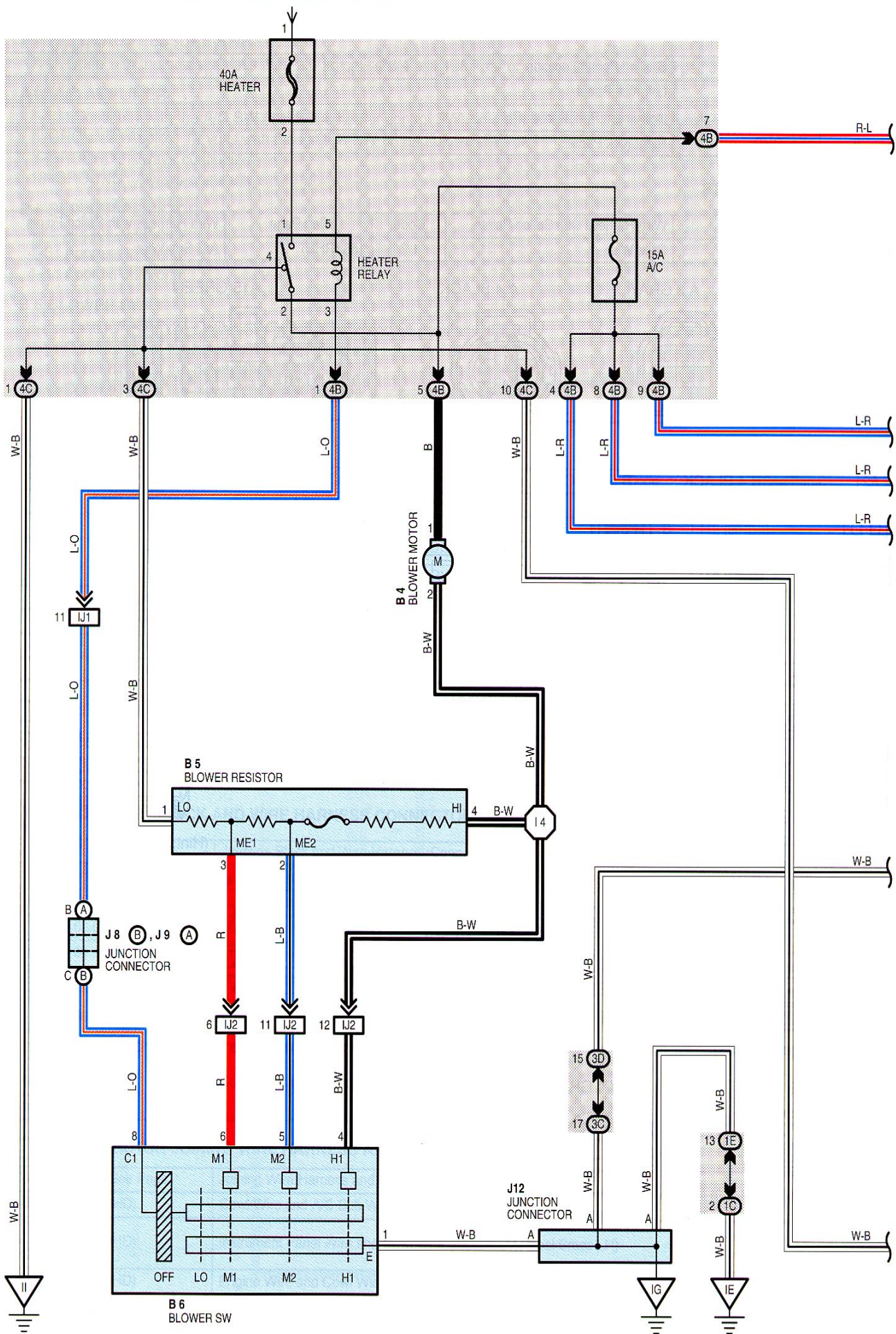


AIR CONDITIONER(LHD 4A-F, 2E)



AIR CONDITIONER(LHD 2C)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



FROM POWER SOURCE SYSTEM (SEE PAGE 186)

A 4 A/C DUAL PRESSURE SW

A 3 A/C MAGNETIC CLUTCH AND THERMO SENSOR AND LOCK SENSOR

J16 JUNCTION CONNECTOR

J19 JUNCTION CONNECTOR

J13 JUNCTION CONNECTOR

A17 A/C EVAPORATOR TEMP. SENSOR

A15 A, B A/C AMPLIFIER

A C M G RELAY

TO A. C FAN NO. 3 RELAY

TO PICK-UP SENSOR

*1: W/O HEATER
 *2: W/ HEATER
 *3: W/ HEATER W/O POWER STEERING
 *4: W/ HEATER W/ POWER STEERING
 *5: W/ POWER STEERING
 *6: W/O POWER STEERING

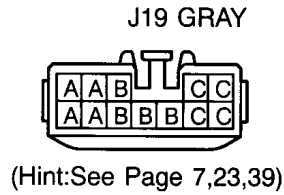
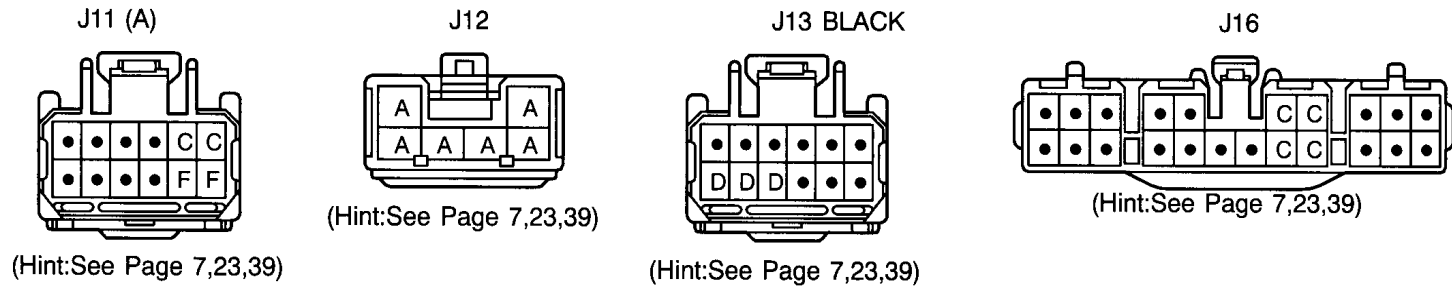
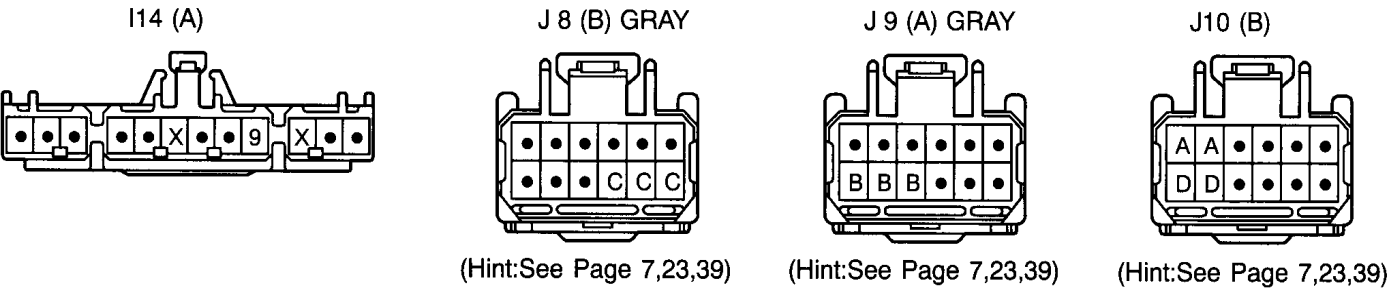
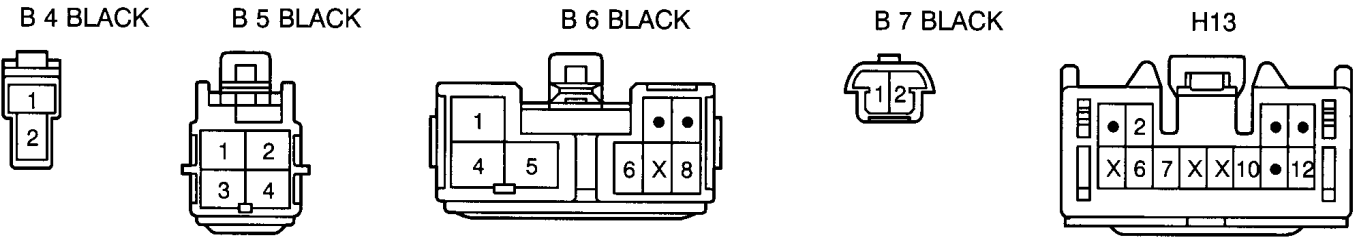
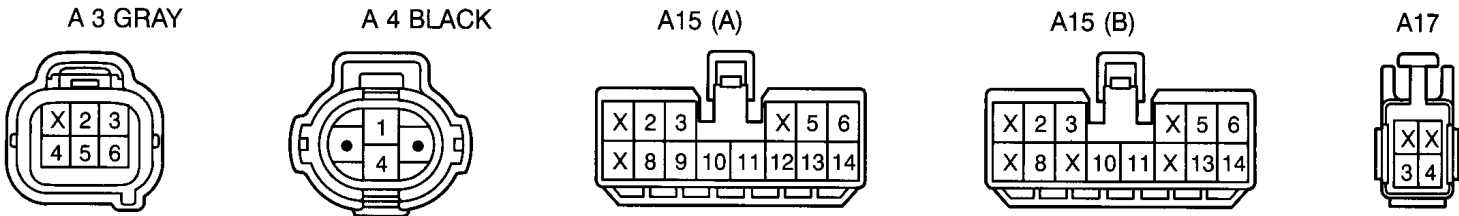
AIR CONDITIONER(LHD 2C)

 : GROUND POINTS

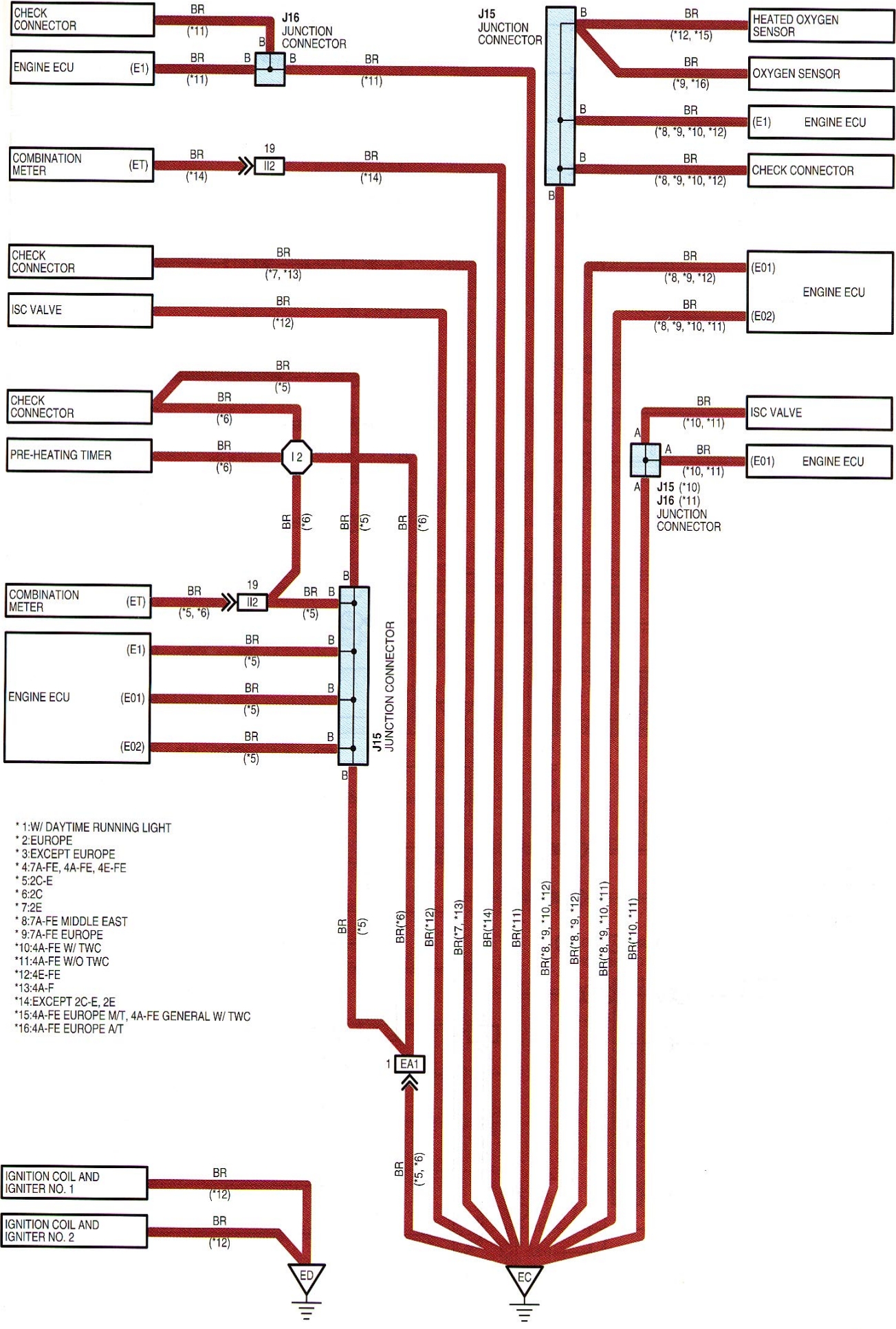
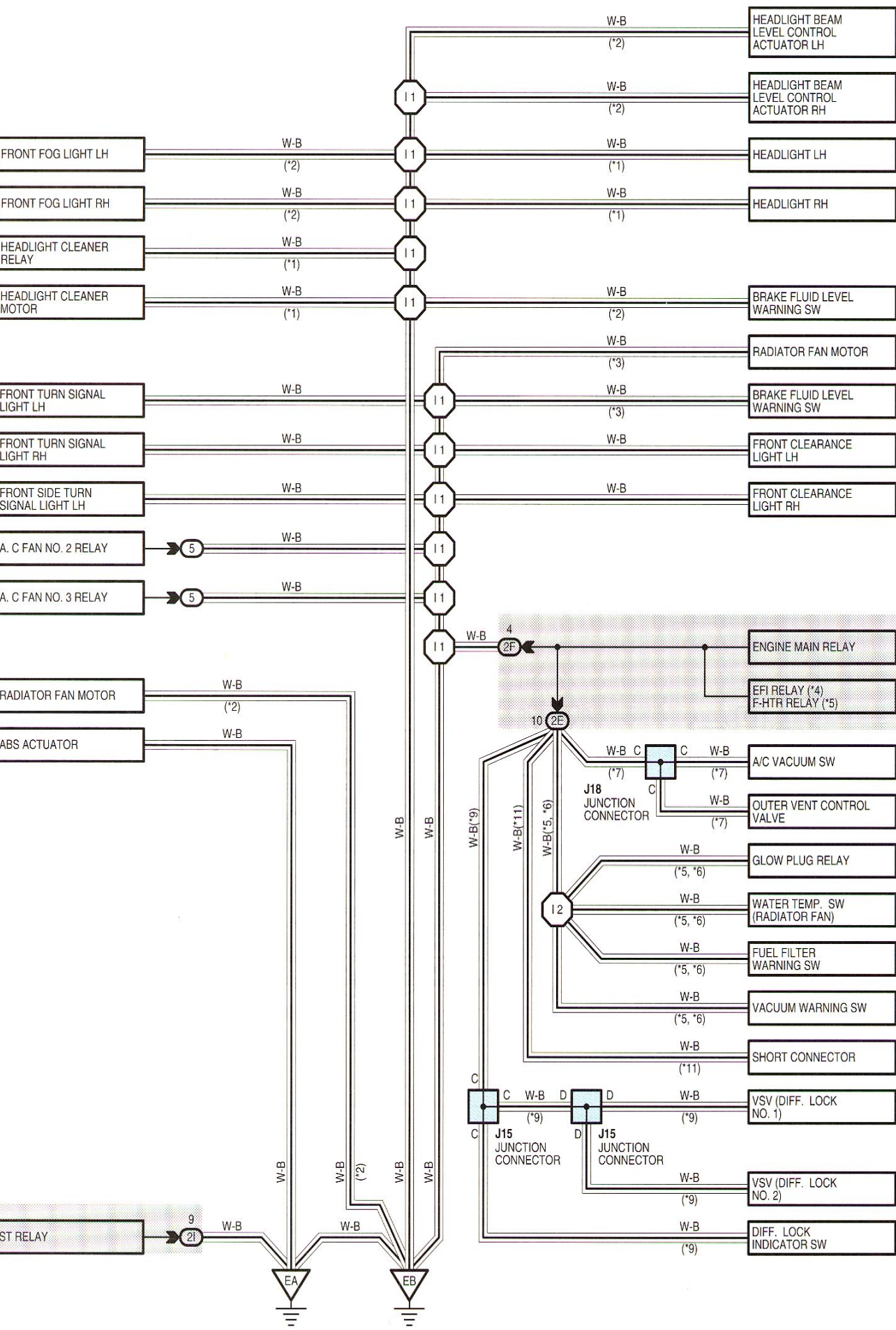
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH
II	132 (LHD)	Right Kick Panel

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 4	134 (LHD)	Cowl Wire	I 5	134 (LHD)	A/C Sub Wire

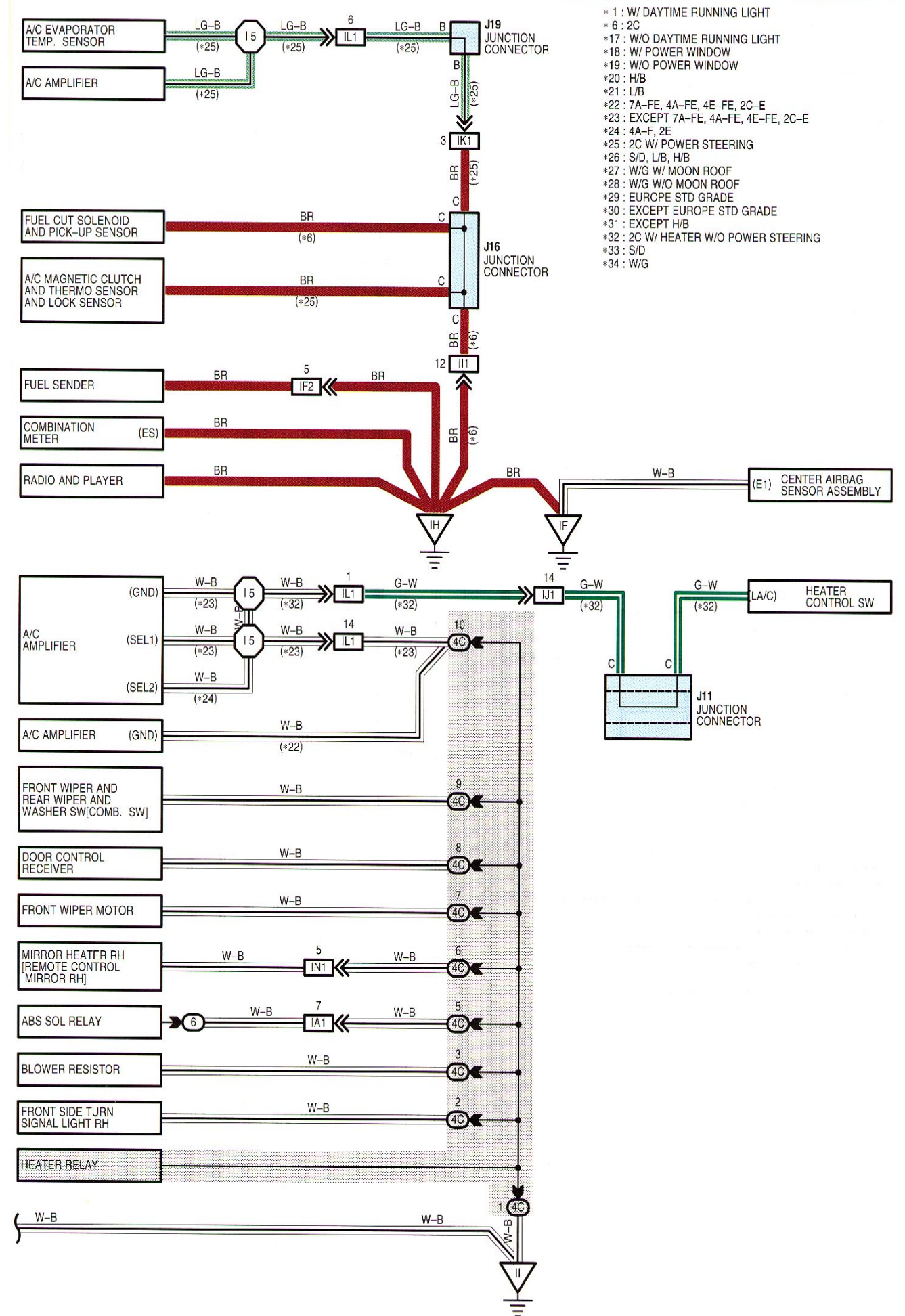
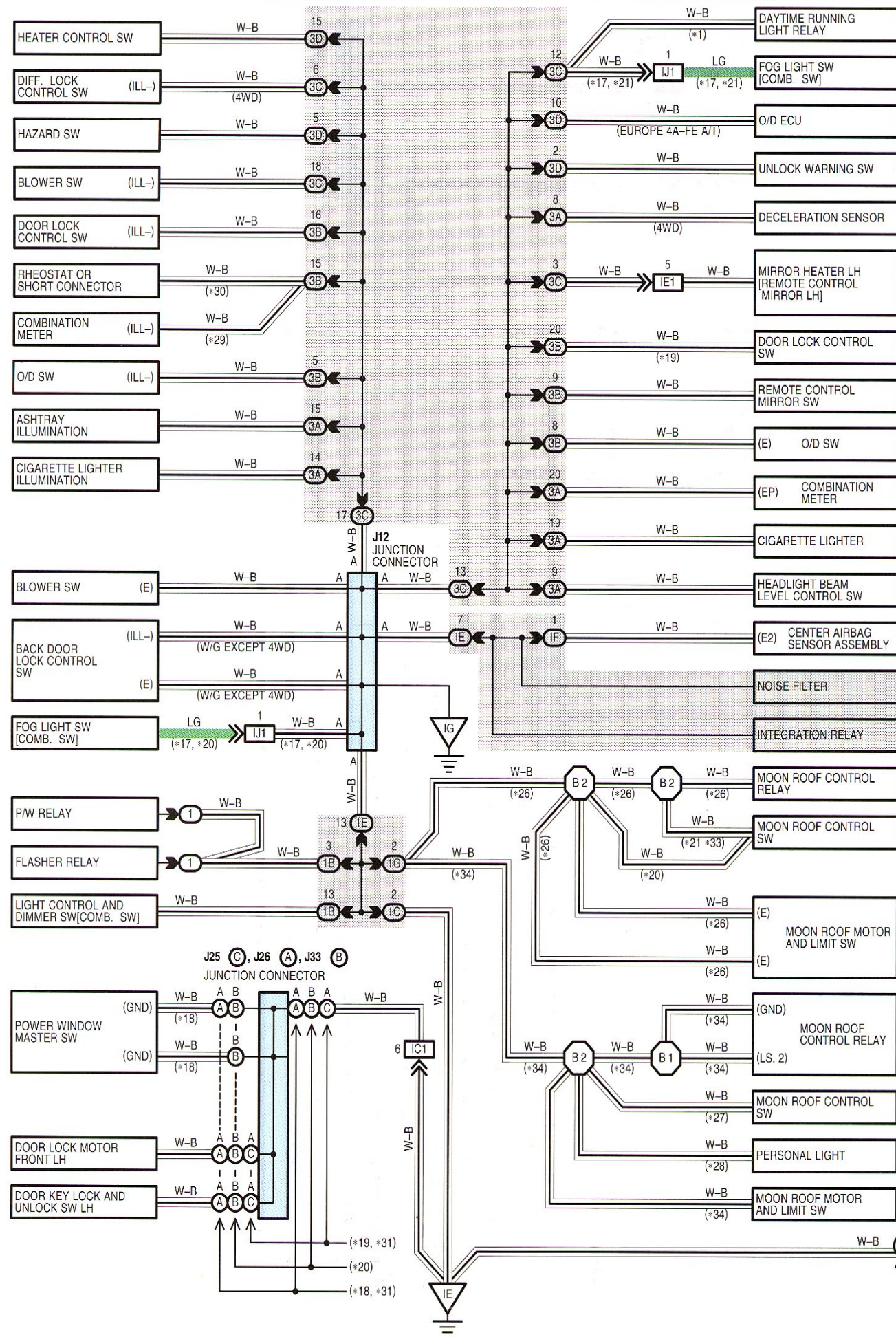


J GROUND POINT(LHD)

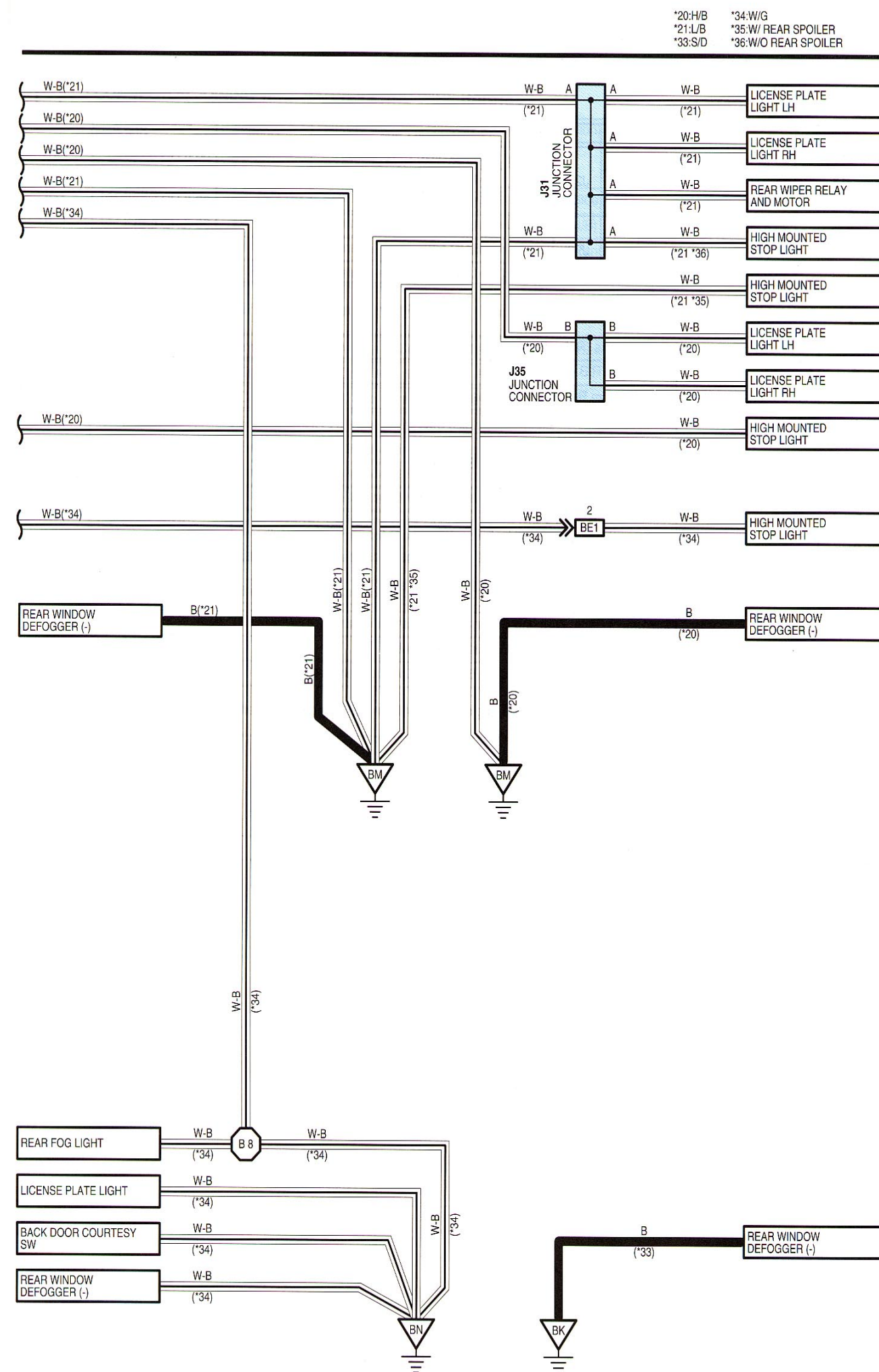
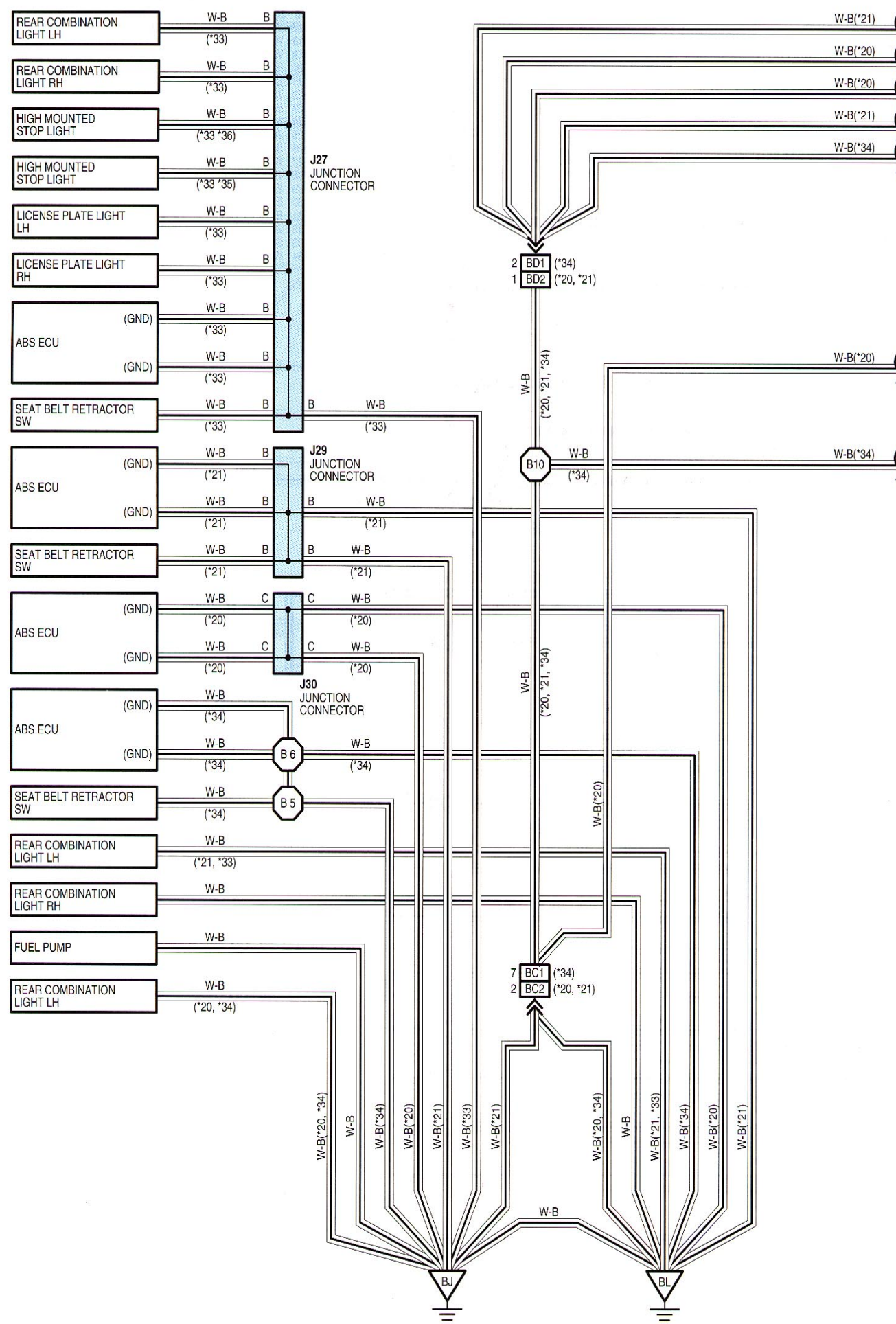


- * 1:W/ DAYTIME RUNNING LIGHT
- * 2:EUROPE
- * 3:EXCEPT EUROPE
- * 4:7A-FE, 4A-FE, 4E-FE
- * 5:2C-E
- * 6:2C
- * 7:2E
- * 8:7A-FE MIDDLE EAST
- * 9:7A-FE EUROPE
- * 10:4A-FE W/ TWC
- * 11:4A-FE W/O TWC
- * 12:4E-FE
- * 13:4A-F
- * 14:EXCEPT 2C-E, 2E
- * 15:4A-FE EUROPE M/T, 4A-FE GENERAL W/ TWC
- * 16:4A-FE EUROPE A/T

J GROUND POINT(LHD)



J GROUND POINT(LHD)



 : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J11	86 (LHD)	J25	C	88 (LHD S/D)	J27 88 (LHD S/D)
J12	86 (LHD)			90 (LHD L/B)	J29 90 (LHD L/B)
J15	86 (LHD)			94 (LHD W/G)	J30 92 (LHD H/B)
J16	86 (LHD)	J26	A	88 (LHD S/D)	J31 90 (LHD L/B)
J18	86 (LHD)			90 (LHD L/B)	J33 B 92 (LHD H/B)
J19	86 (LHD)			94 (LHD W/G)	J35 92 (LHD H/B)

 : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	54 (LHD)	Driver Side R/B (Left Kick Panel)
5	55	Engine Room R/B (Engine Compartment Left)
6	53	ABS R/B (Radiator Support RH)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IF		
1B	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1C		
1E	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1G	60 (LHD)	Roof Wire and Driver Side J/B (Left Kick Panel)
2E	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
3C		
3D		
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	128 (LHD 2C-E)	Engine Wire and Engine No.4 Wire (Near the Starter)
	130 (LHD 2C)	
IA1	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IC1	132 (LHD)	Front Door LH Wire and Cowl Wire (Near the Driver Side J/B)
IE1	132 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
II1	134 (LHD)	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2		
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)
IL1	134 (LHD)	Cowl Wire and A/C Sub Wire (Behind the Glove Box)
IN1	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BC2	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	140 (LHD H/B)	Back Door No.1 Wire and Floor Wire (Left Quarter Pillar)
BD1	142 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Right)
BD2	138 (LHD L/B)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	140 (LHD H/B)	
BE1	142 (LHD W/G)	Back Door No.3 Wire and Back Door No.1 Wire (Back Door Upper Right)

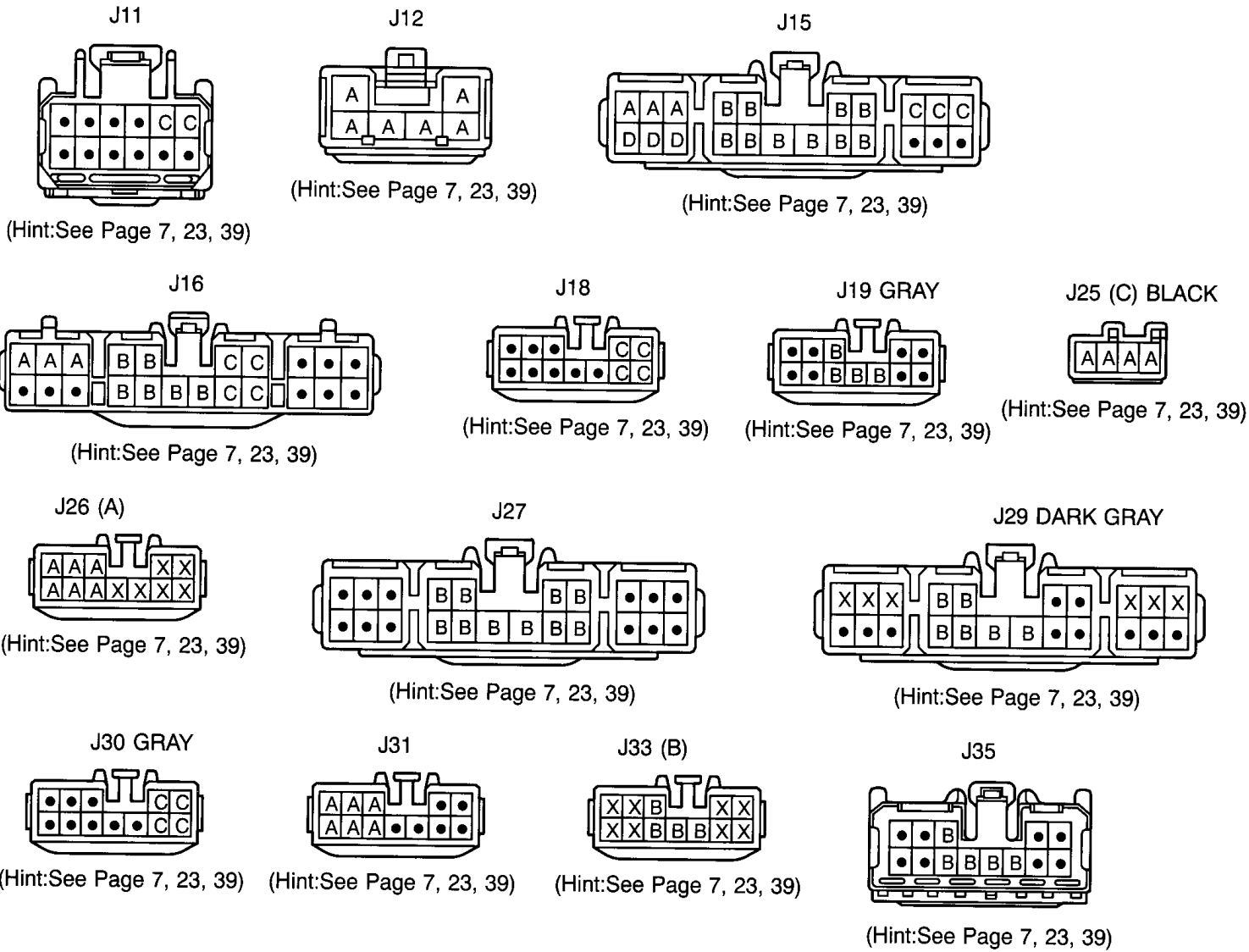
J GROUND POINT(LHD)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	122 (LHD 7A-FE)	Front Side of Right Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
ED	124 (LHD 4E-FE)	Cylinder Head
IE	132 (LHD)	Left Kick Panel
IF	132 (LHD)	Instrument Panel Brace LH
IG		
IH	132 (LHD)	Instrument Panel Brace RH
II	132 (LHD)	Right Kick Panel
BJ	136 (LHD S/D)	Under the Left Quarter Pillar
	138 (LHD L/B)	
	140 (LHD H/B)	
	142 (LHD W/G)	Rear Quarter Panel LH
BK	136 (LHD S/D)	Under the Right Quarter Pillar
BL	136 (LHD S/D)	Back Panel Center
	138 (LHD L/B)	
	140 (LHD H/B)	Back Panel LH
	142 (LHD W/G)	Rear Quarter Panel RH
BM	138 (LHD L/B)	Back Door RH
	140 (LHD H/B)	Back Door LH
BN	142 (LHD W/G)	

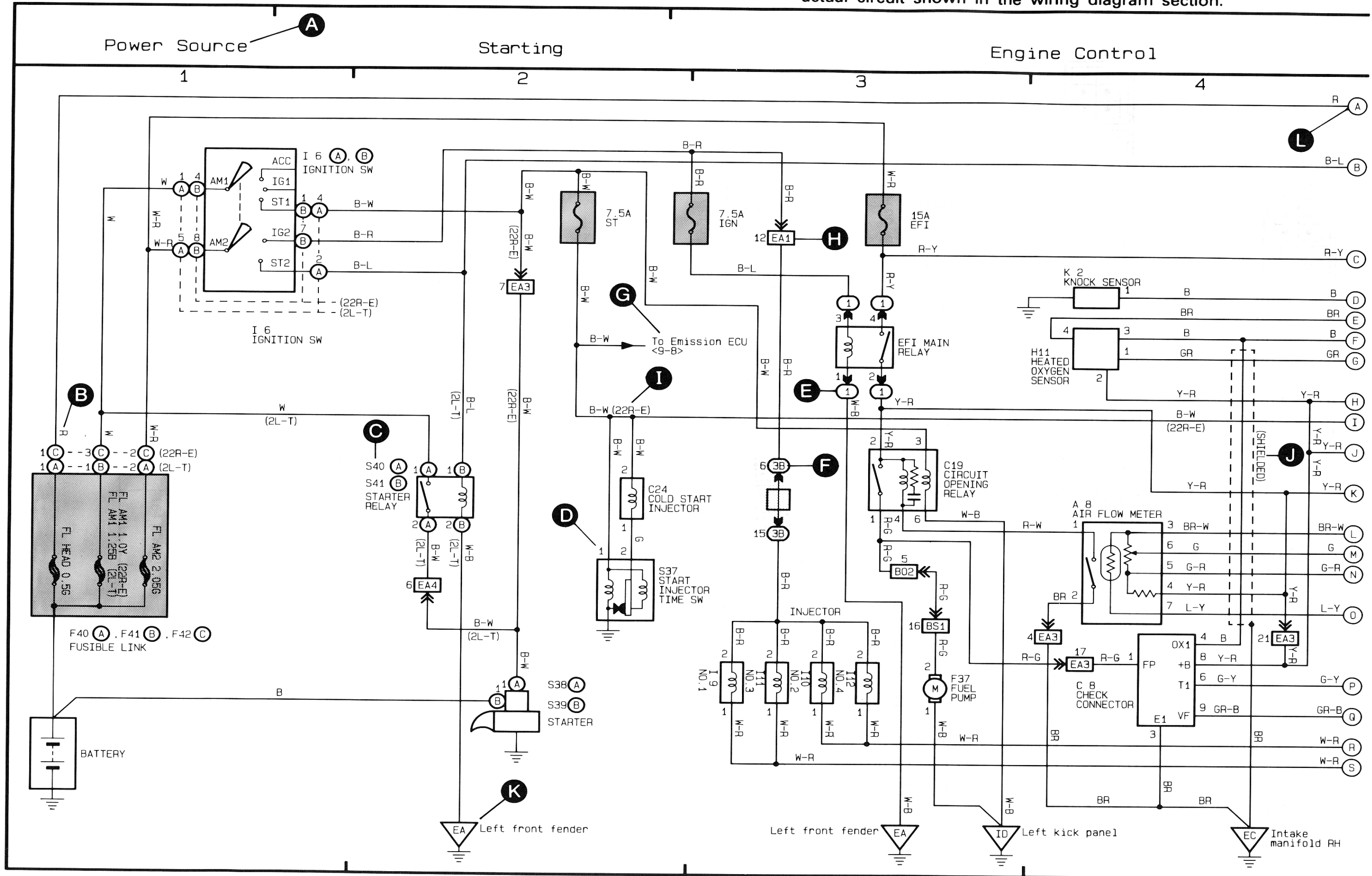
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 1	134 (LHD)	Engine Room Main Wire	B 2	140 (LHD H/B)	Roof Wire
I 2	134 (LHD)	Engine Wire		142 (LHD W/G)	
I 5	134 (LHD)	A/C Sub Wire	B 5	142 (LHD W/G)	Floor Wire
B 1	142 (LHD W/G)	Roof Wire	B 6		
B 2	136 (LHD S/D)		B 8	142 (LHD W/G)	Back Door No.2 Wire
	138 (LHD L/B)		B10	142 (LHD W/G)	Back Door No.1 Wire



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

K OVERALL ELECTRICAL WIRING DIAGRAM



A: System Title

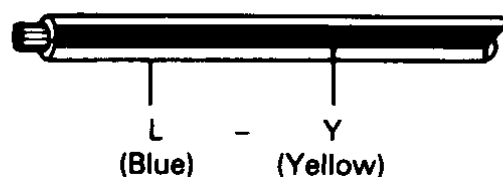
B: Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

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

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

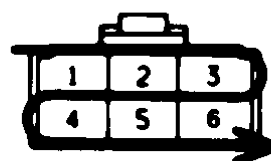
Example: L - Y



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

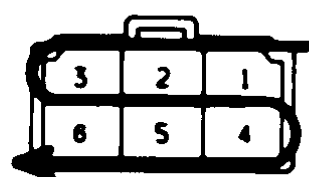
D: Indicates the pin number of the connector. The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right



Female

Numbered in order from upper right to lower left



Male

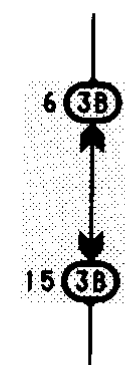
The numbering system for the overall wiring diagram is the same as above.

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: ① 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.

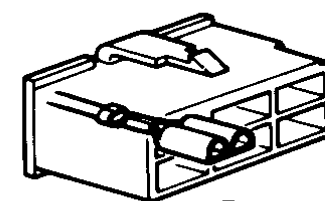
Example:



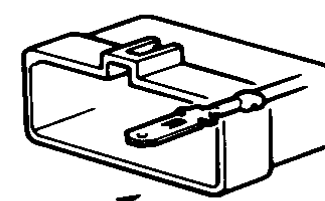
3B indicates that it is inside Junction Block No. 3.

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.



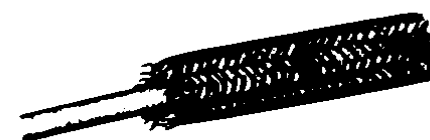
Female



Male (↗)

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.

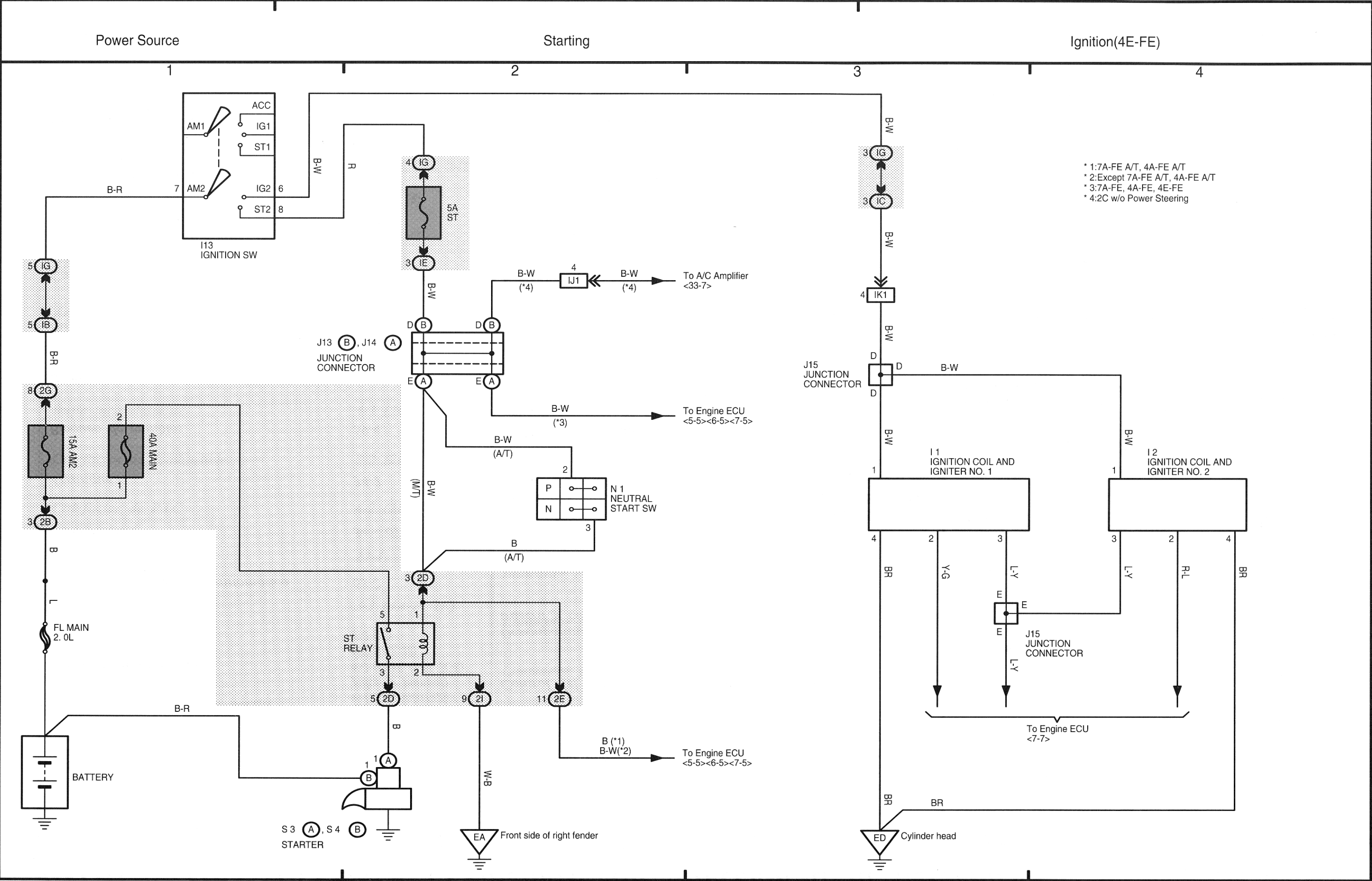
L: The same code occurring on the next page indicates that the wire harness is continuous.

SYSTEM INDEX (LHD)

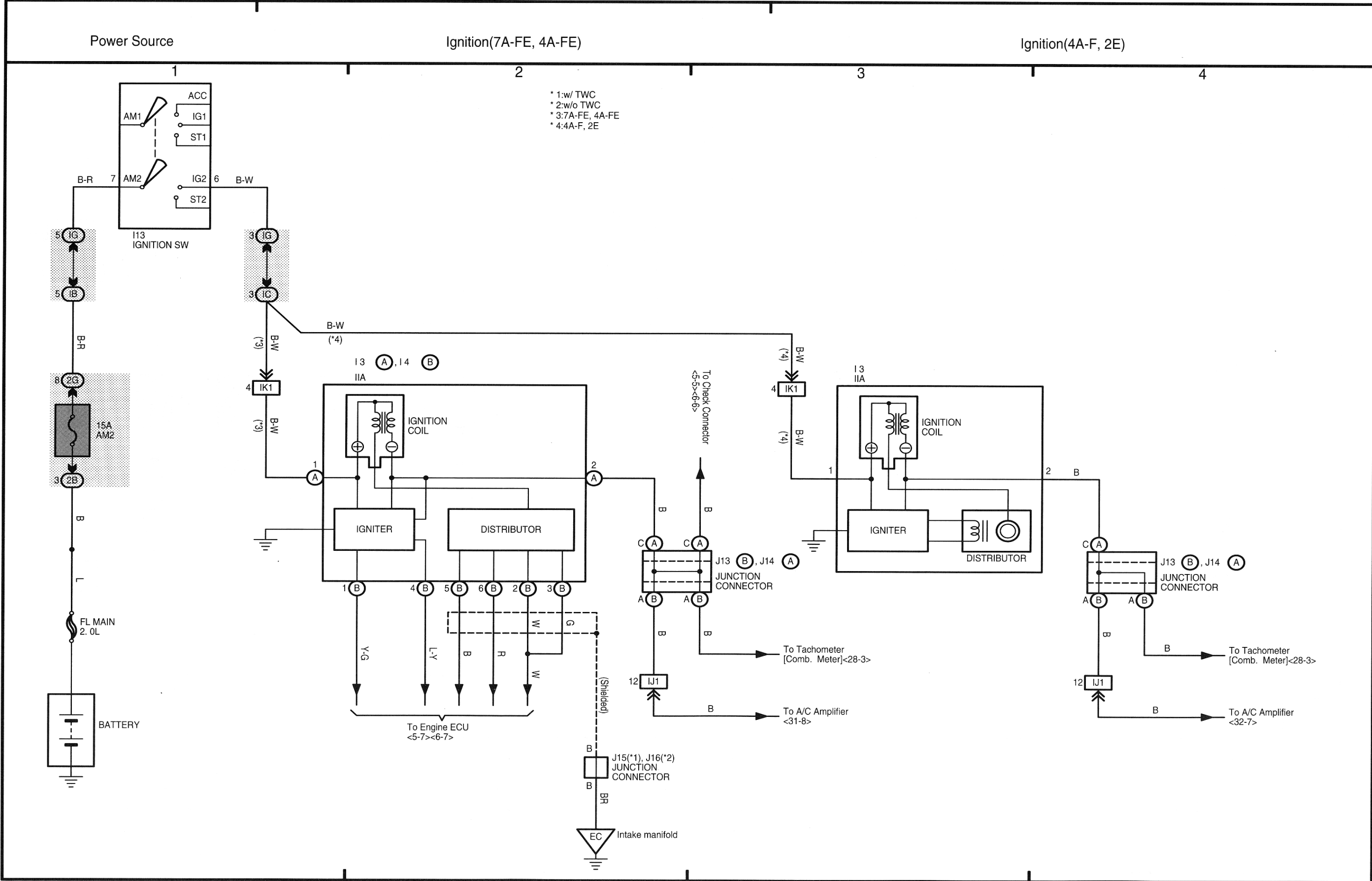
Location No.1 to 33

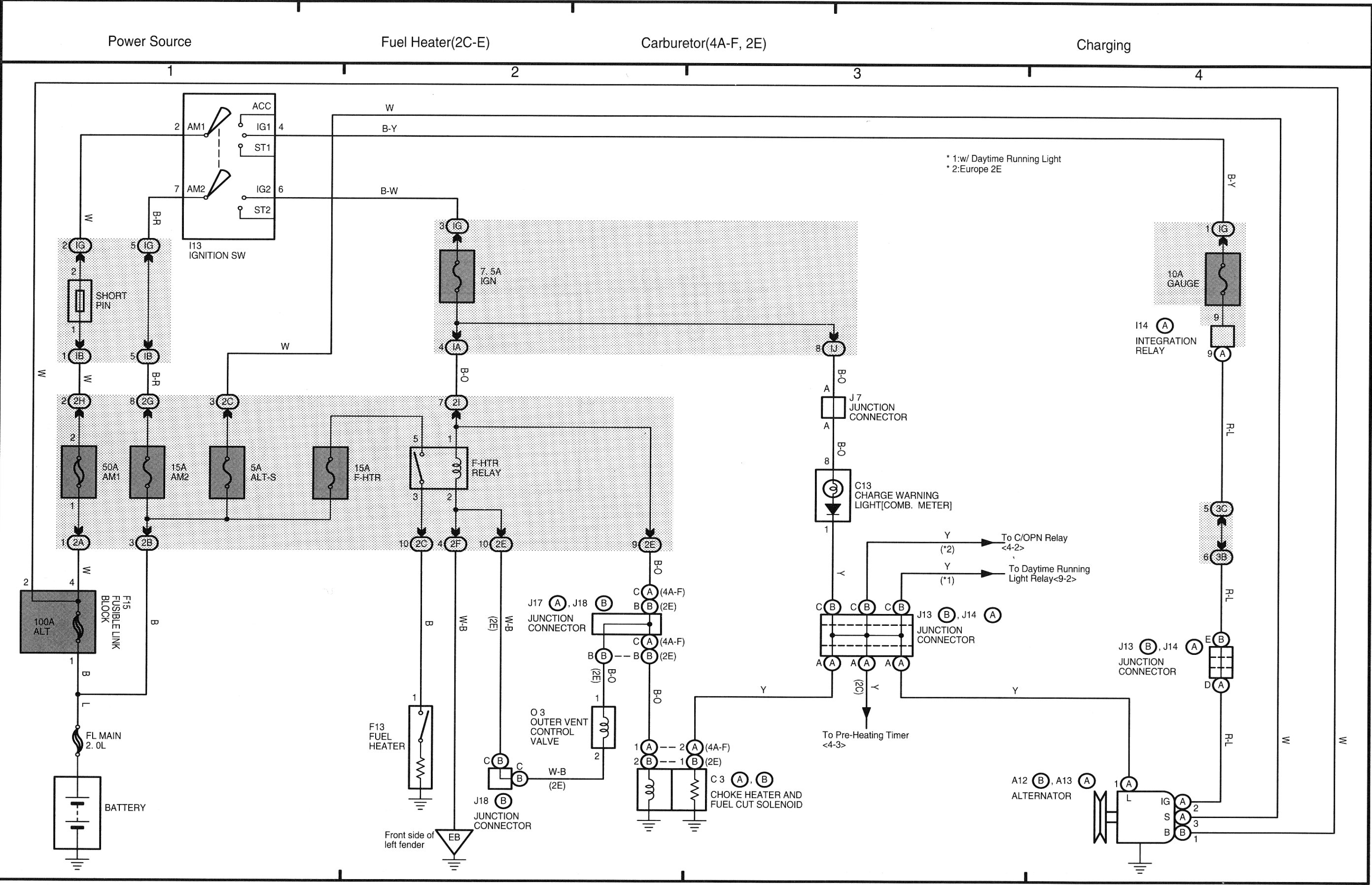
SYSTEMS	LOCATION	SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS	23-2 (Europe) 24-2 (Except Europe)	Headlight Beam Level Control	10-3	Seat Heater	27-4
		Headlight Cleaner	19-2	SRS	25-2
Air Conditioner	31-2 (7A-FE, 4A-FE, 4E-FE, 2C-E) 32-2 (4A-F, 2E) 33-2 (2C)	Horn	26-1	Starting	1-2
Back Door Lock Control	21-5	Ignition	1-3 (4E-FE) 2-2 (7A-FE, 4A-FE) 2-3 (4A-F, 2E)	Stop Light	13-2
Back-Up Light	12-4	Illumination	17-2	Taillight	16-2
Carburetor	3-3 (4A-F, 2E)		14-2 (S/D) 14-3 (L/B) 15-2 (H/B) 15-3 (W/G)	Turn Signal and Hazard Warning Light	12-2
Charging	3-4	Interior Light		Wireless Door Lock Control	21-6
Cigarette Lighter and Clock	26-2	Key Reminder and Seat Belt Warning	27-1	4WD	21-7
Combination Meter	29-2	Light Reminder Buzzer	27-2		
Door Lock Control	21-2	Moon Roof	22-3		
Engine Control	5-2 (7A-FE) 6-2 (4A-FE) 7-2 (4E-FE) 8-2 (2C-E)	Overdrive and A/T Indicator	28-2		
Engine Immobiliser System	5-8 (7A-FE) 6-8 (4A-FE) 7-8 (4E-FE) 8-7 (2C-E)	Power Source	1~33-1		
		Power Window	20-2		
Front Fog Light	11-2	PTC Heater	4-2 (2E)		
Front Wiper and Washer	18-4	Radiator Fan and Condenser Fan	30-2		
Fuel Heater	3-2 (2C)	Radio and Player	26-3		
Glow Plug	4-3 (2C)	Rear Fog Light	11-3		
		Rear Window Defogger and Mirror Heater	19-3		
Headlight	9-2 (w/ Daytime Running Light) 10-2 (w/o Daytime Running Light)	Rear Wiper and Washer	18-2		
		Remote Control Mirror	22-2		

1 COROLLA(LHD) ELECTRICAL WIRING DIAGRAM



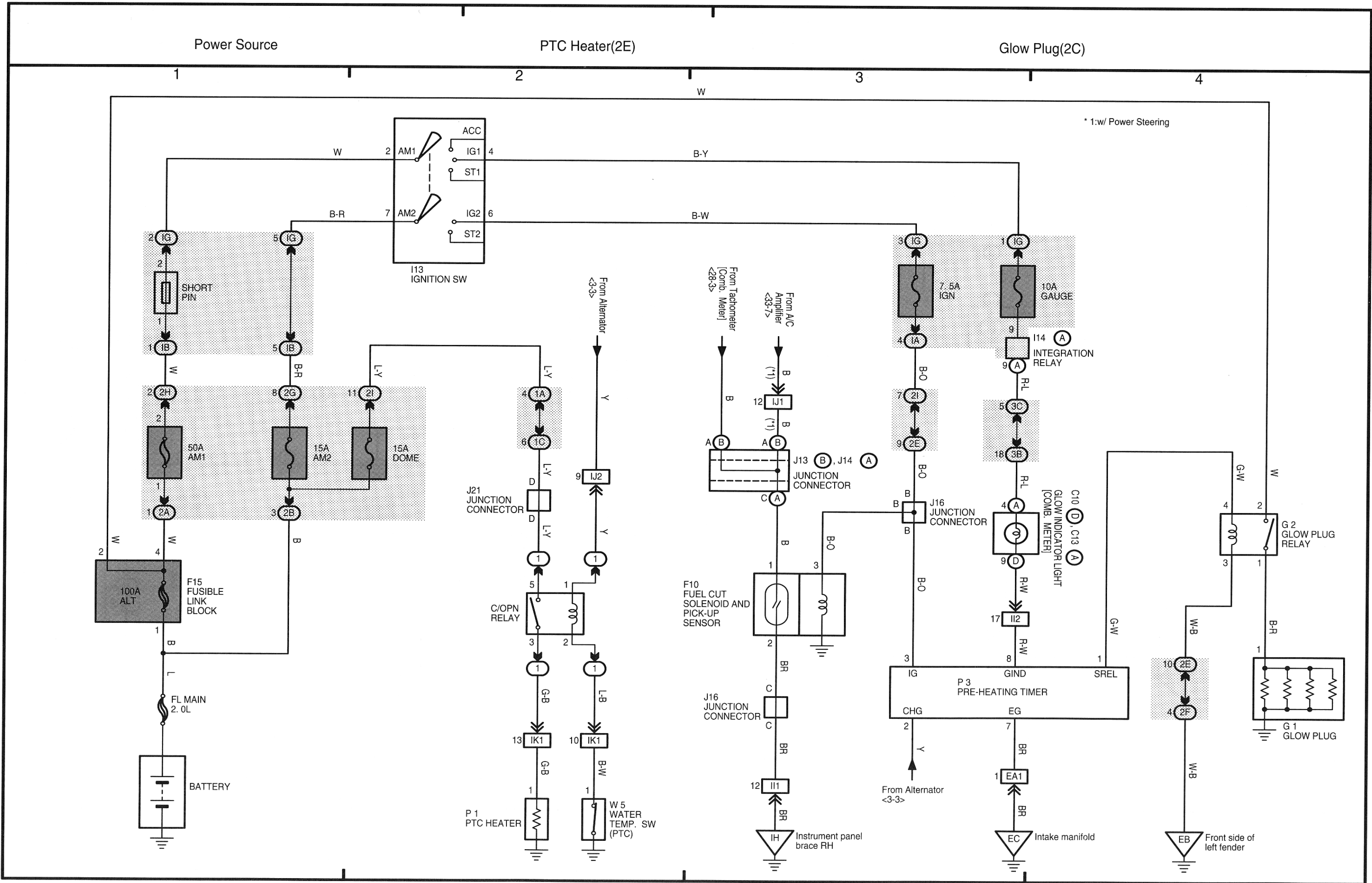
2 COROLLA(LHD)



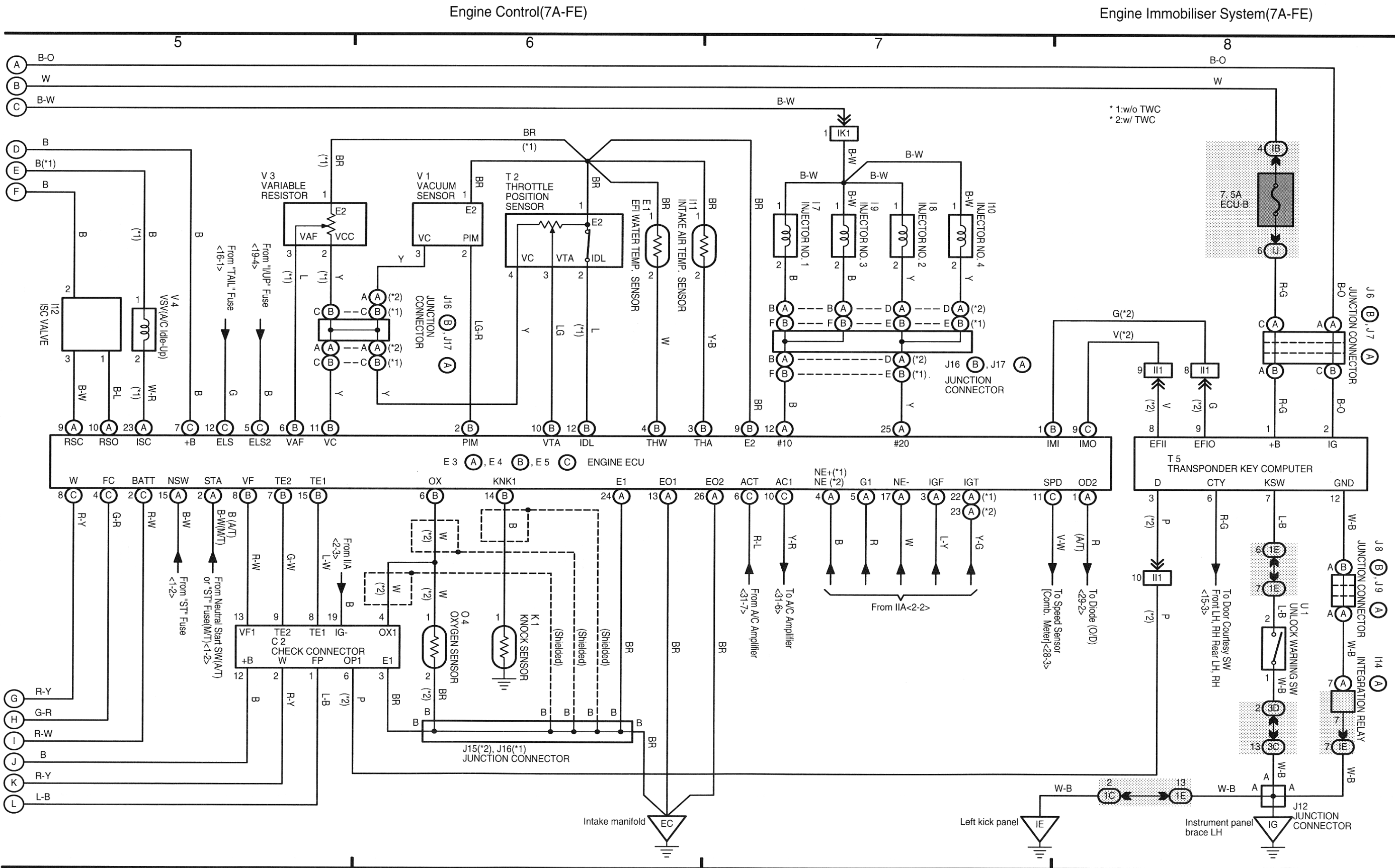


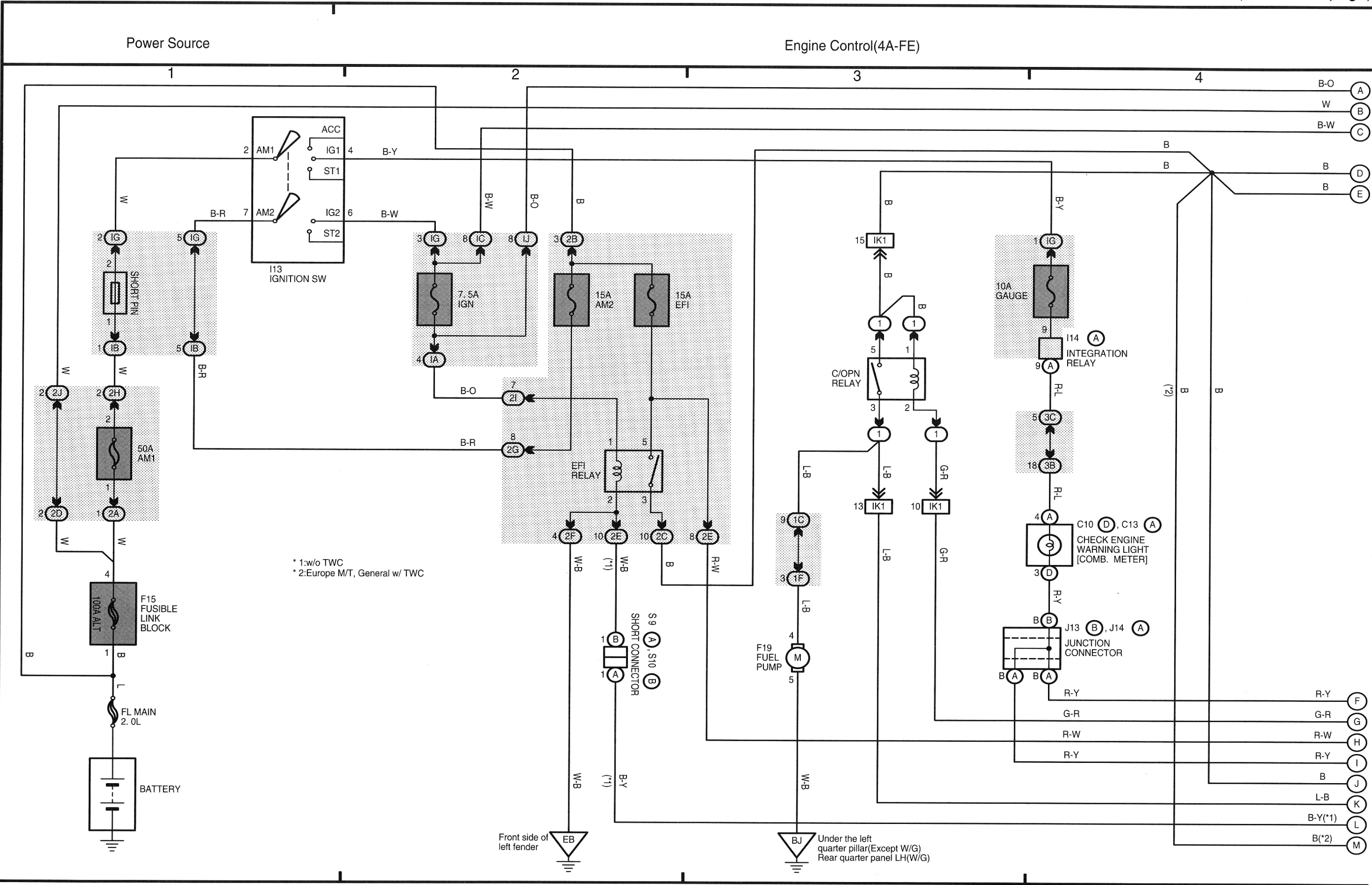
K OVERALL ELECTRICAL WIRING DIAGRAM

4 COROLLA(LHD)

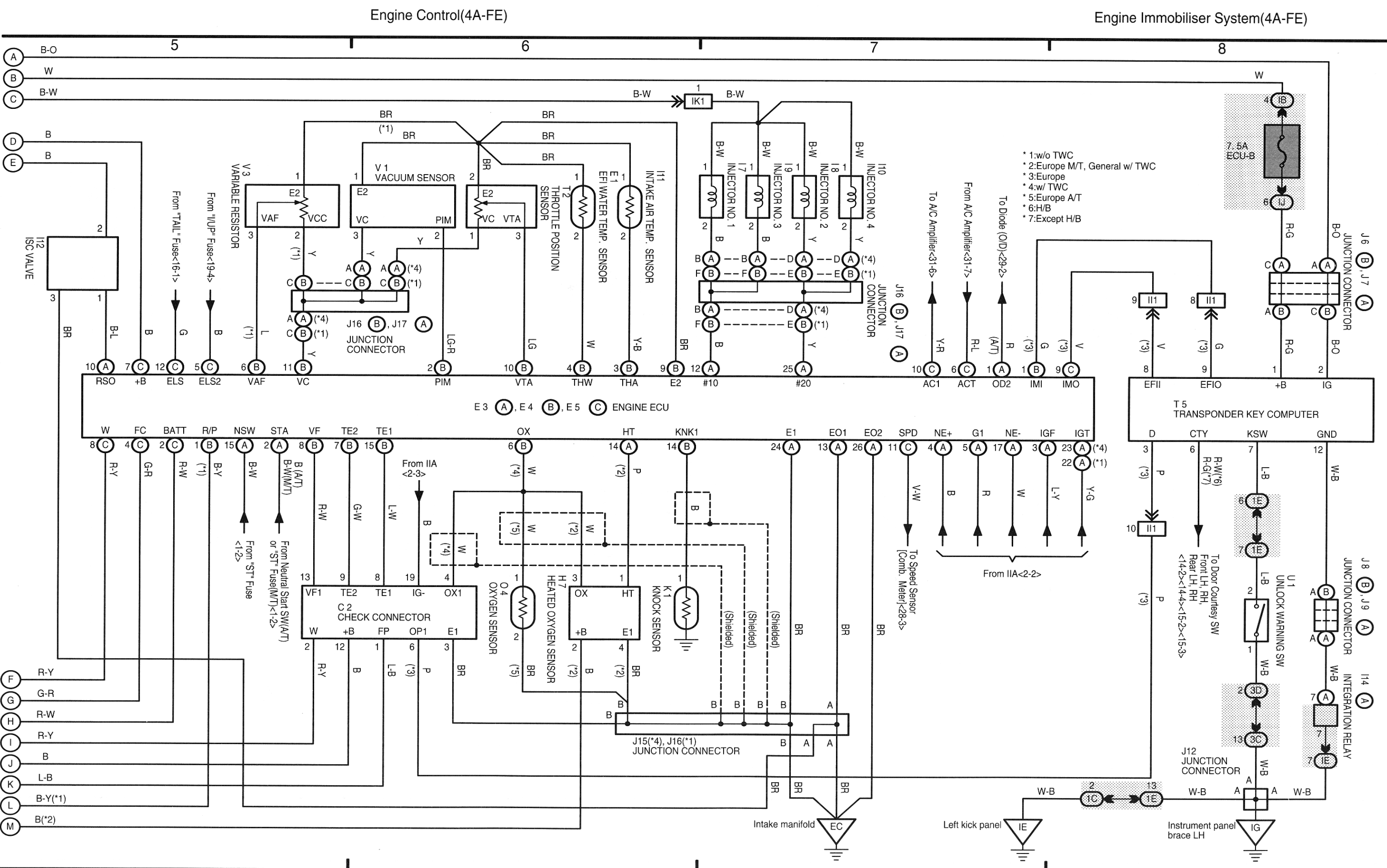


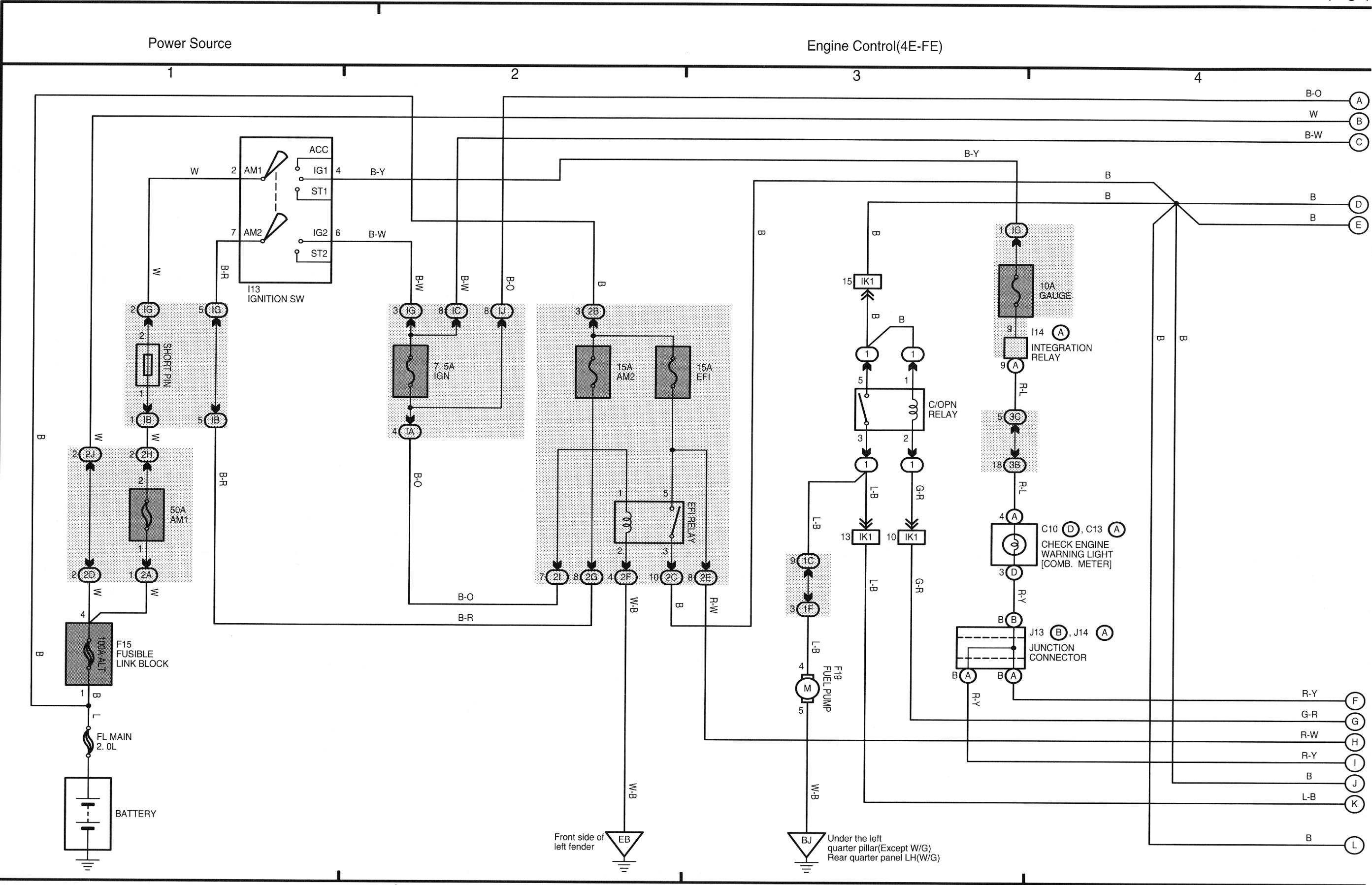




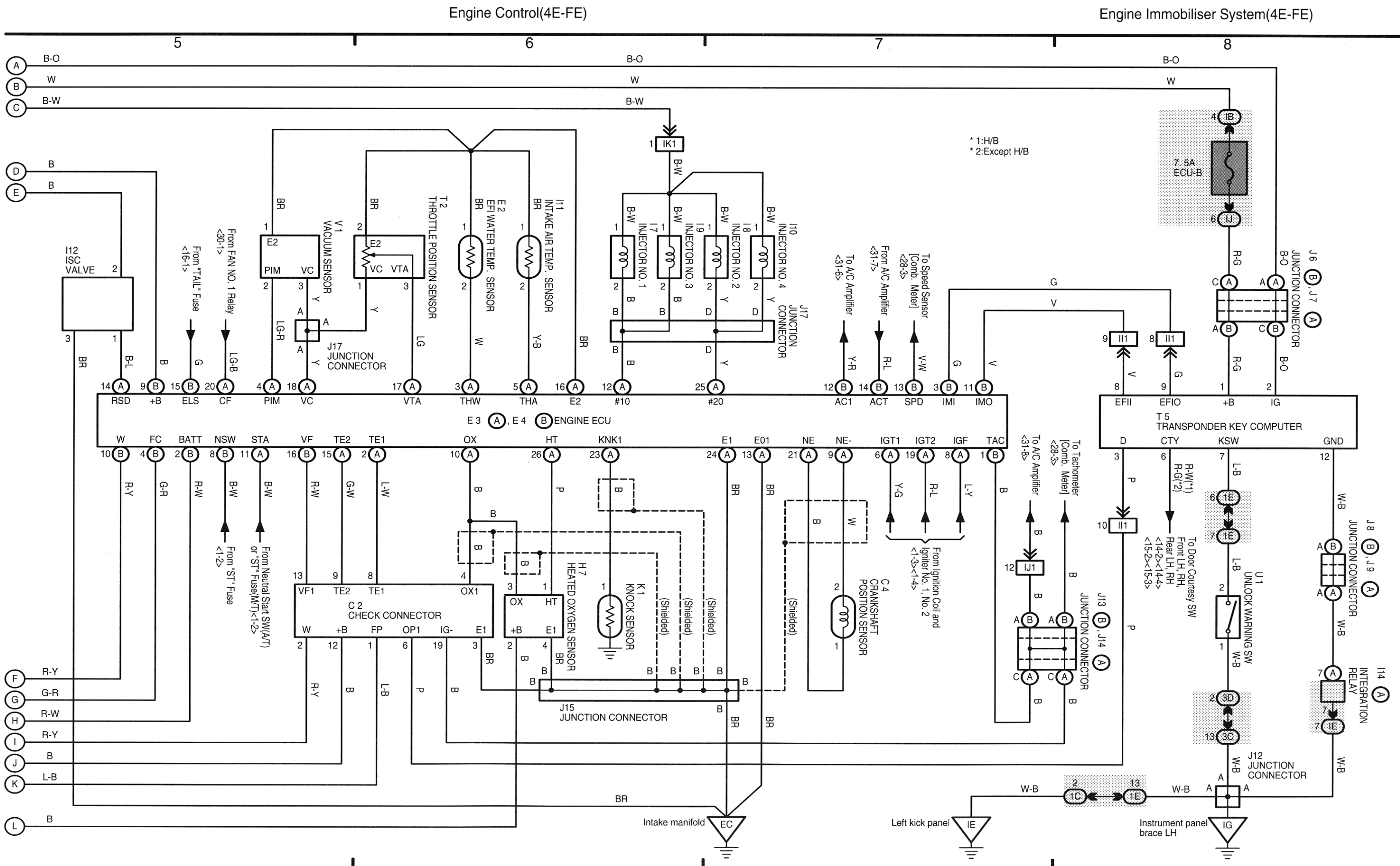


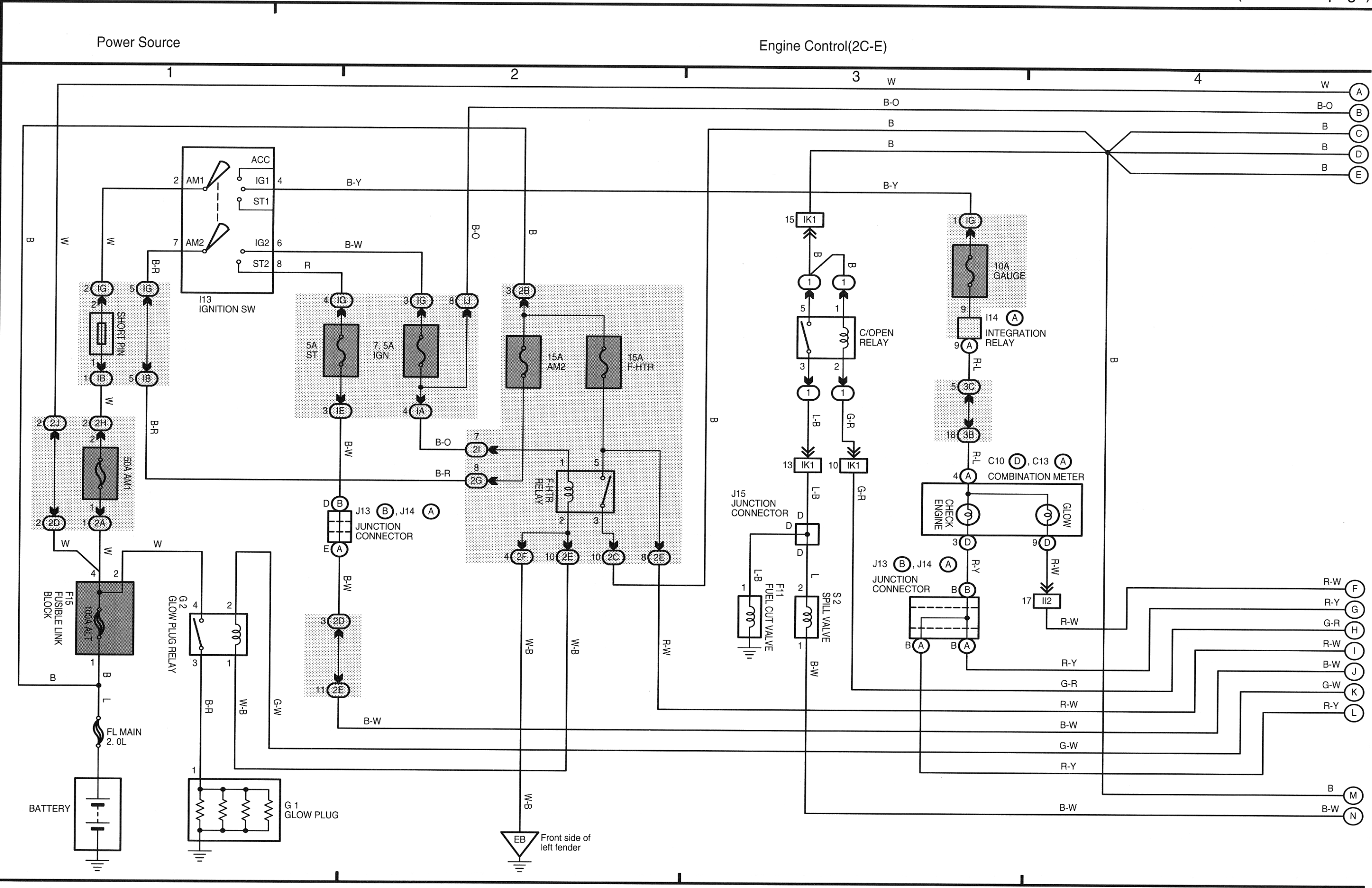
K OVERALL ELECTRICAL WIRING DIAGRAM



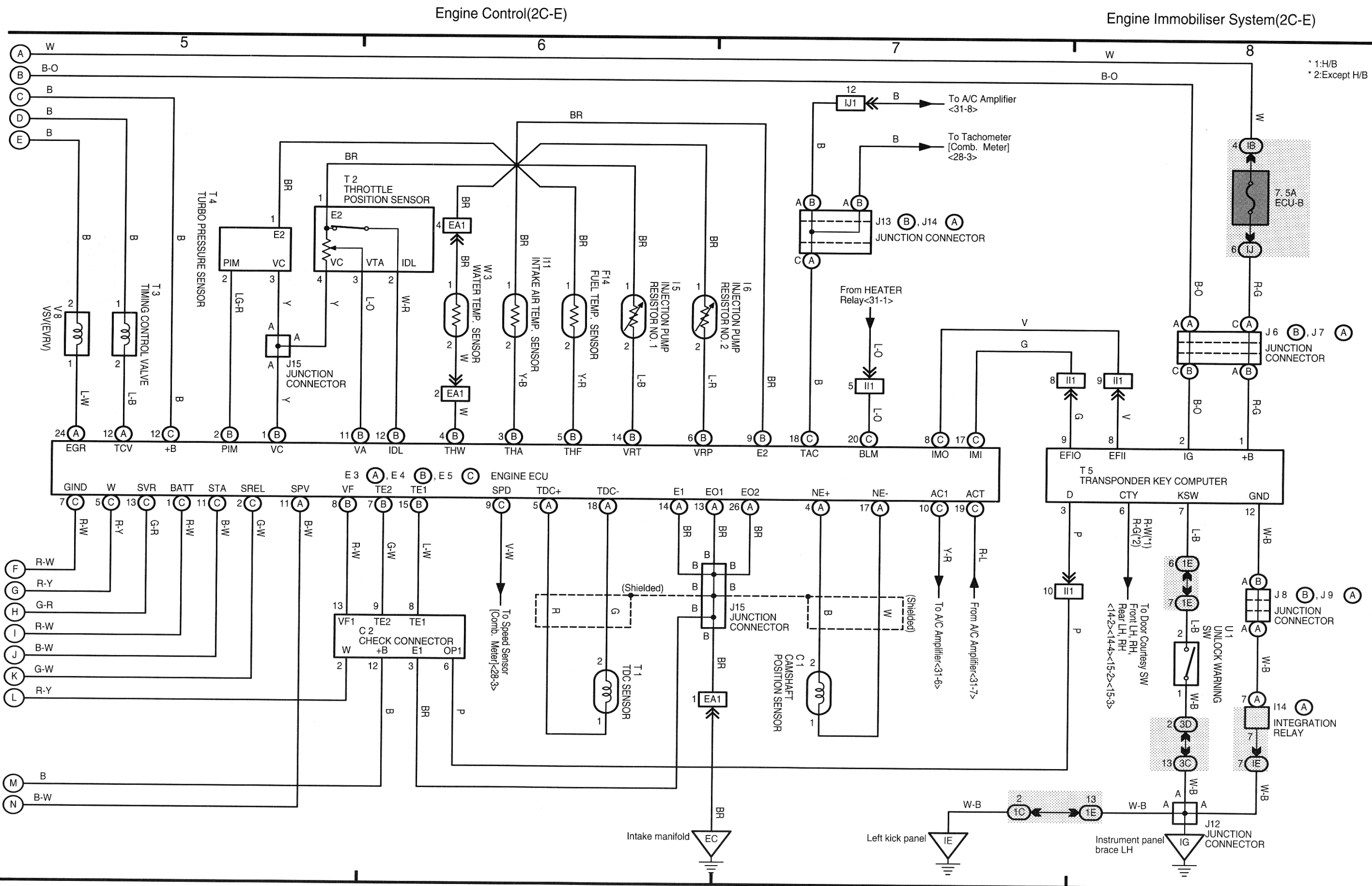


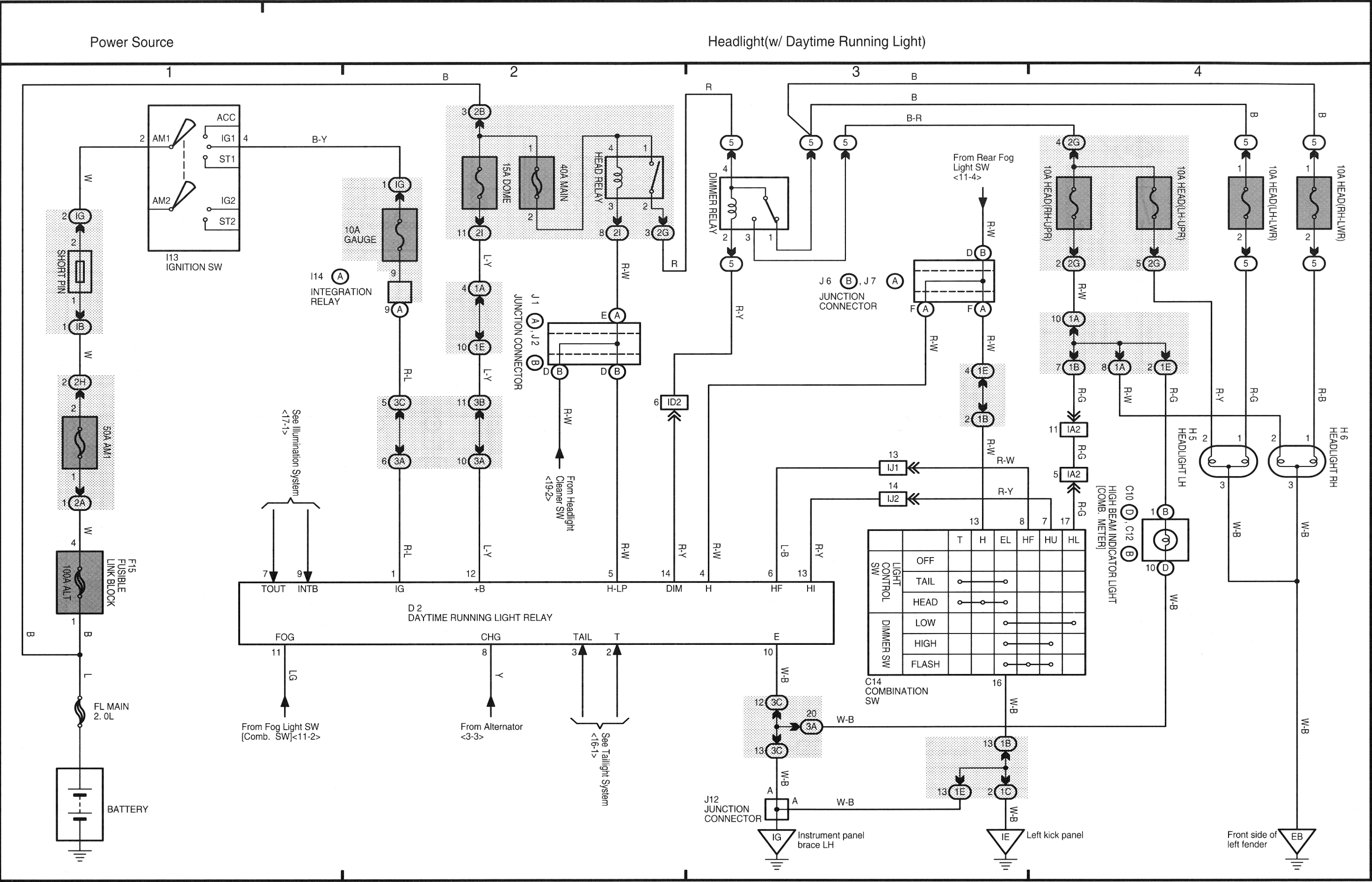
K OVERALL ELECTRICAL WIRING DIAGRAM



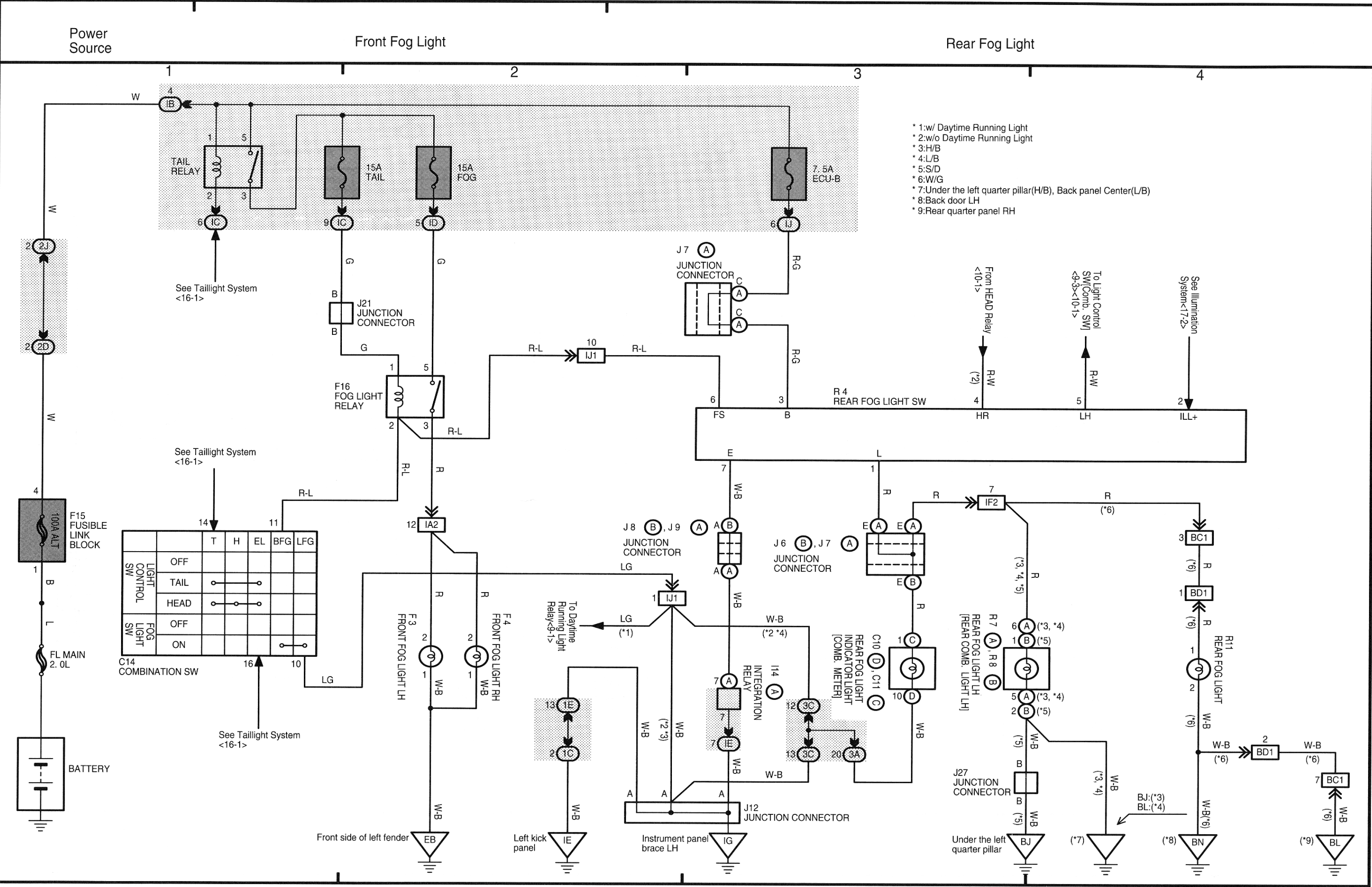


K OVERALL ELECTRICAL WIRING DIAGRAM

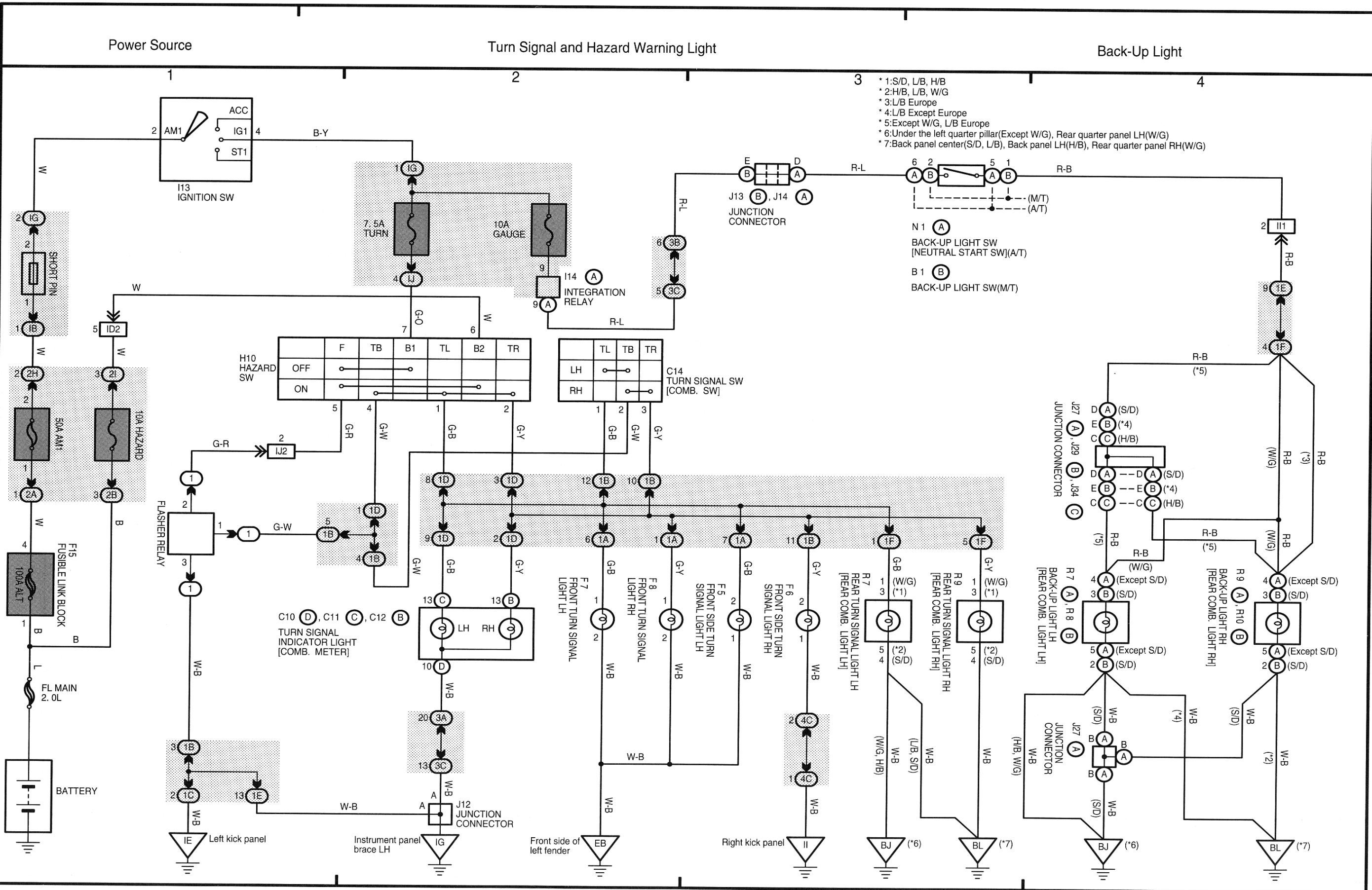


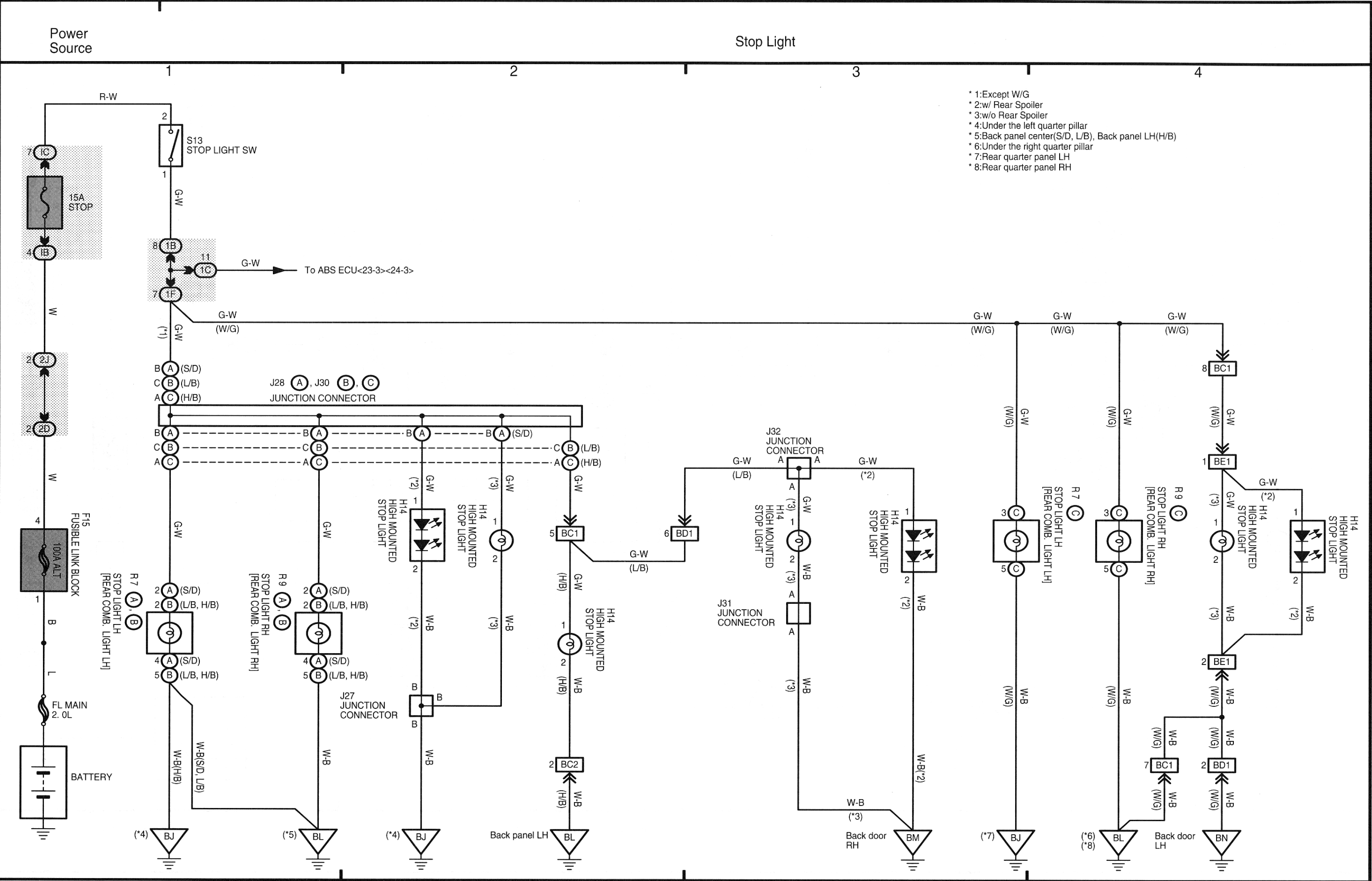


[illegible]

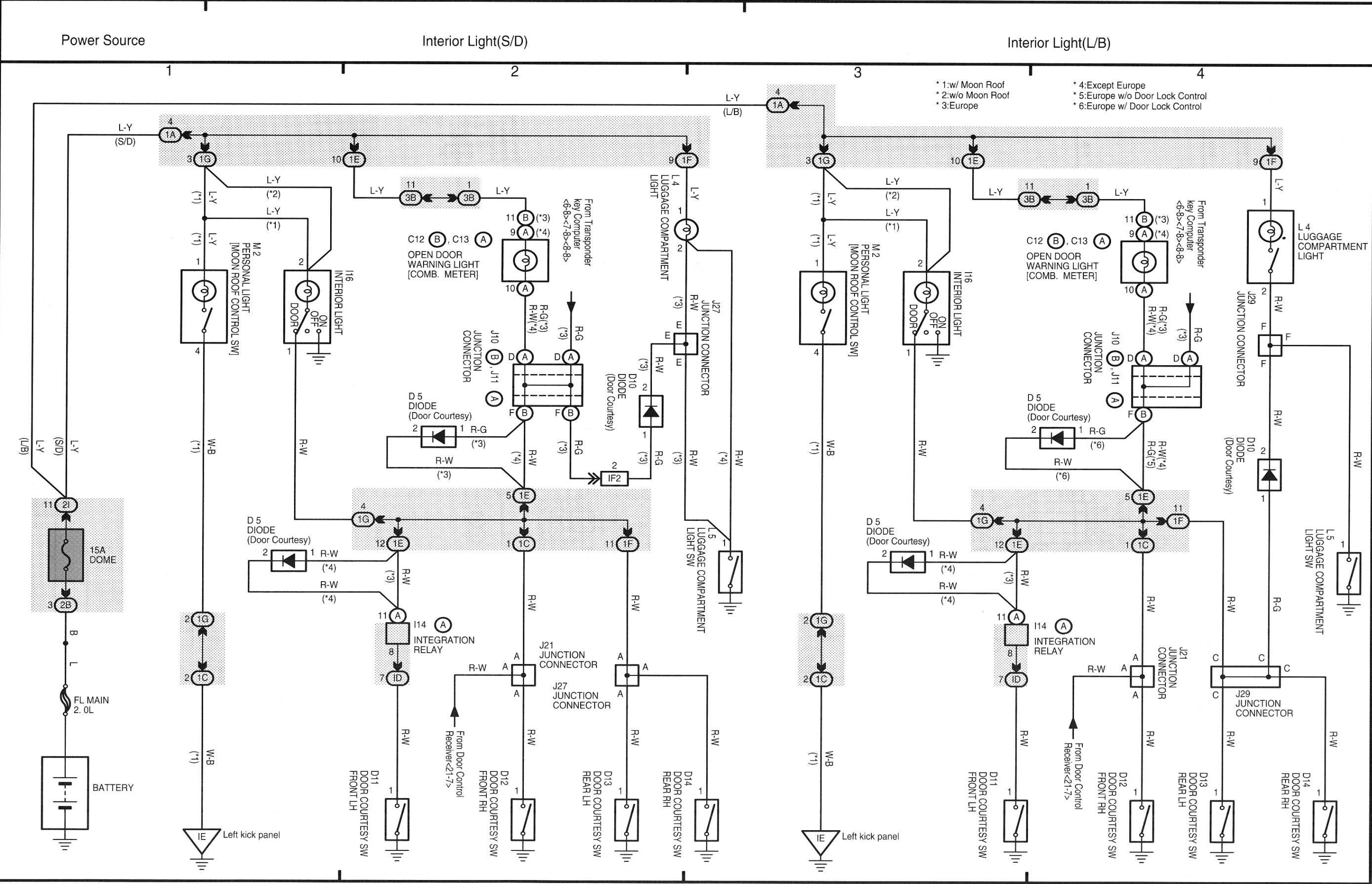


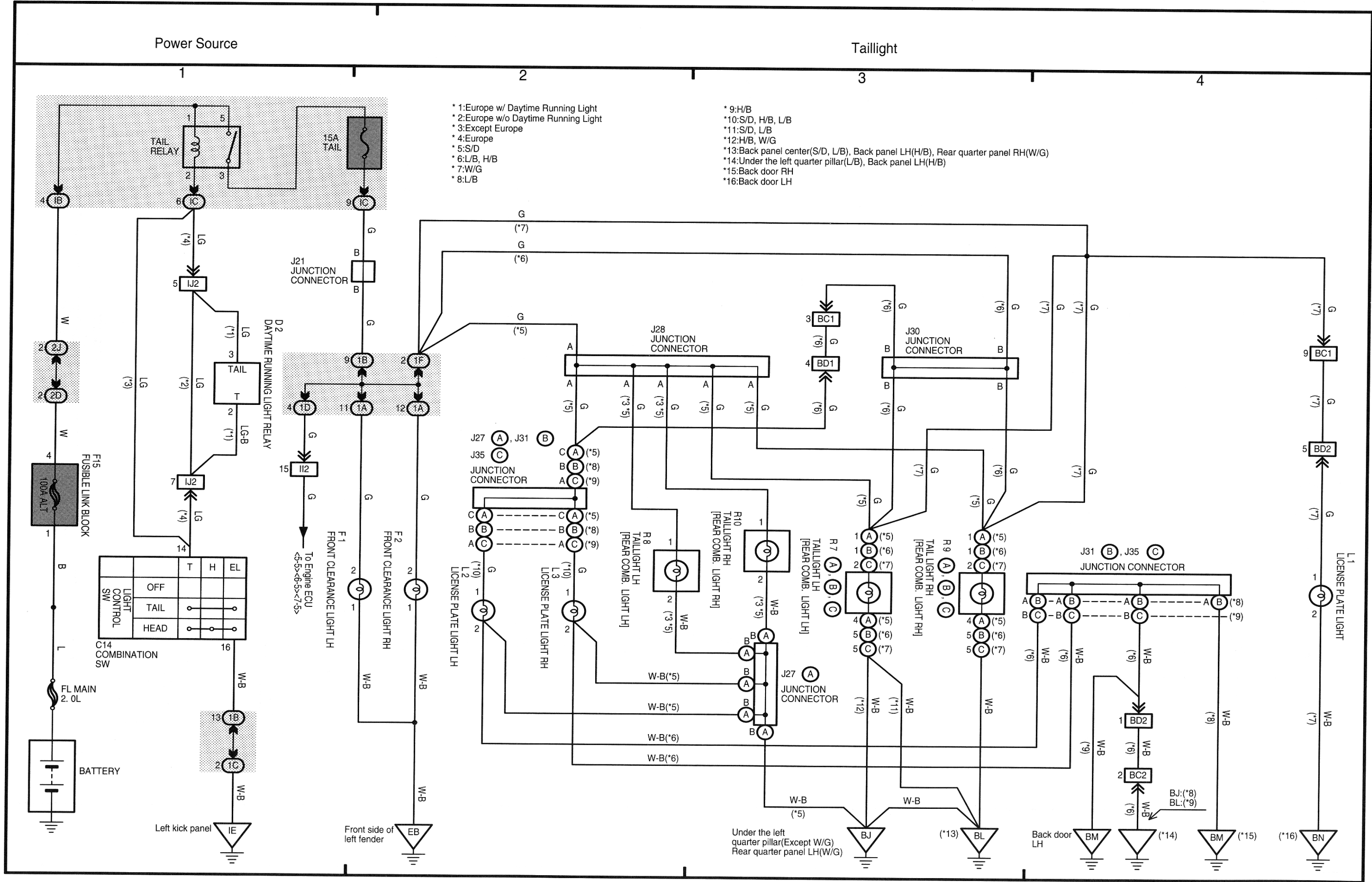
12 COROLLA(LHD)



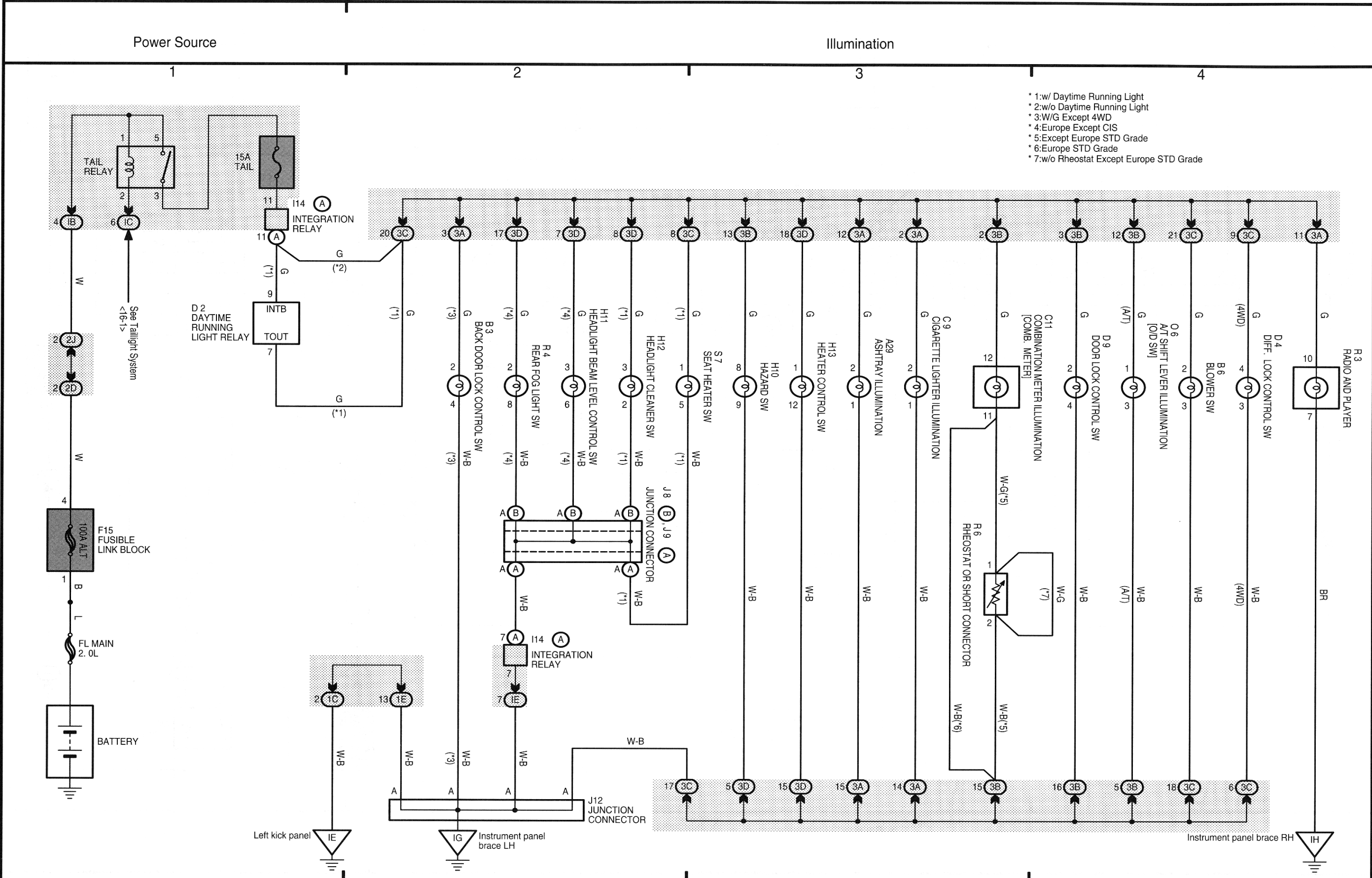


K OVERALL ELECTRICAL WIRING DIAGRAM



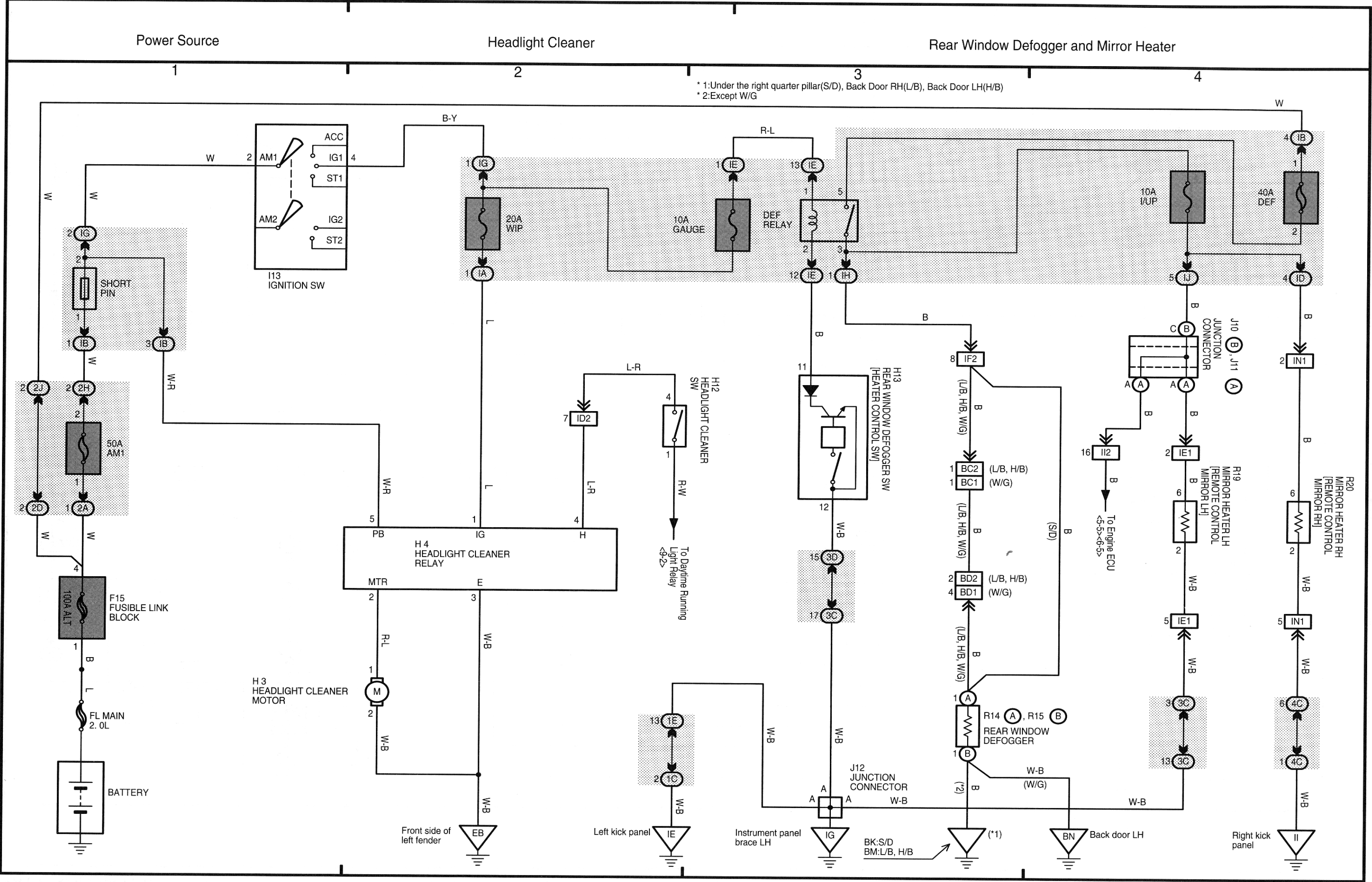


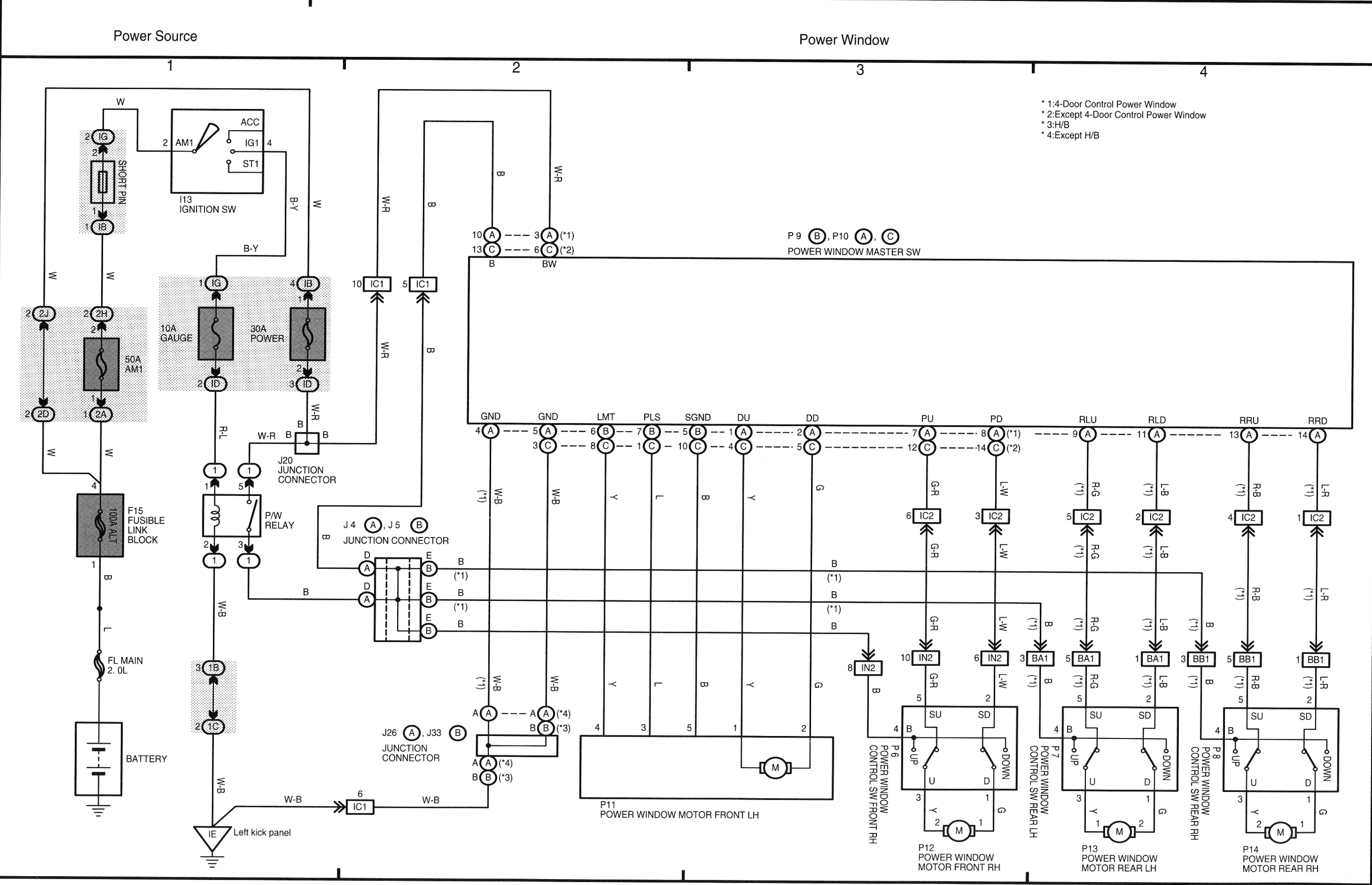
17 COROLLA(LHD)



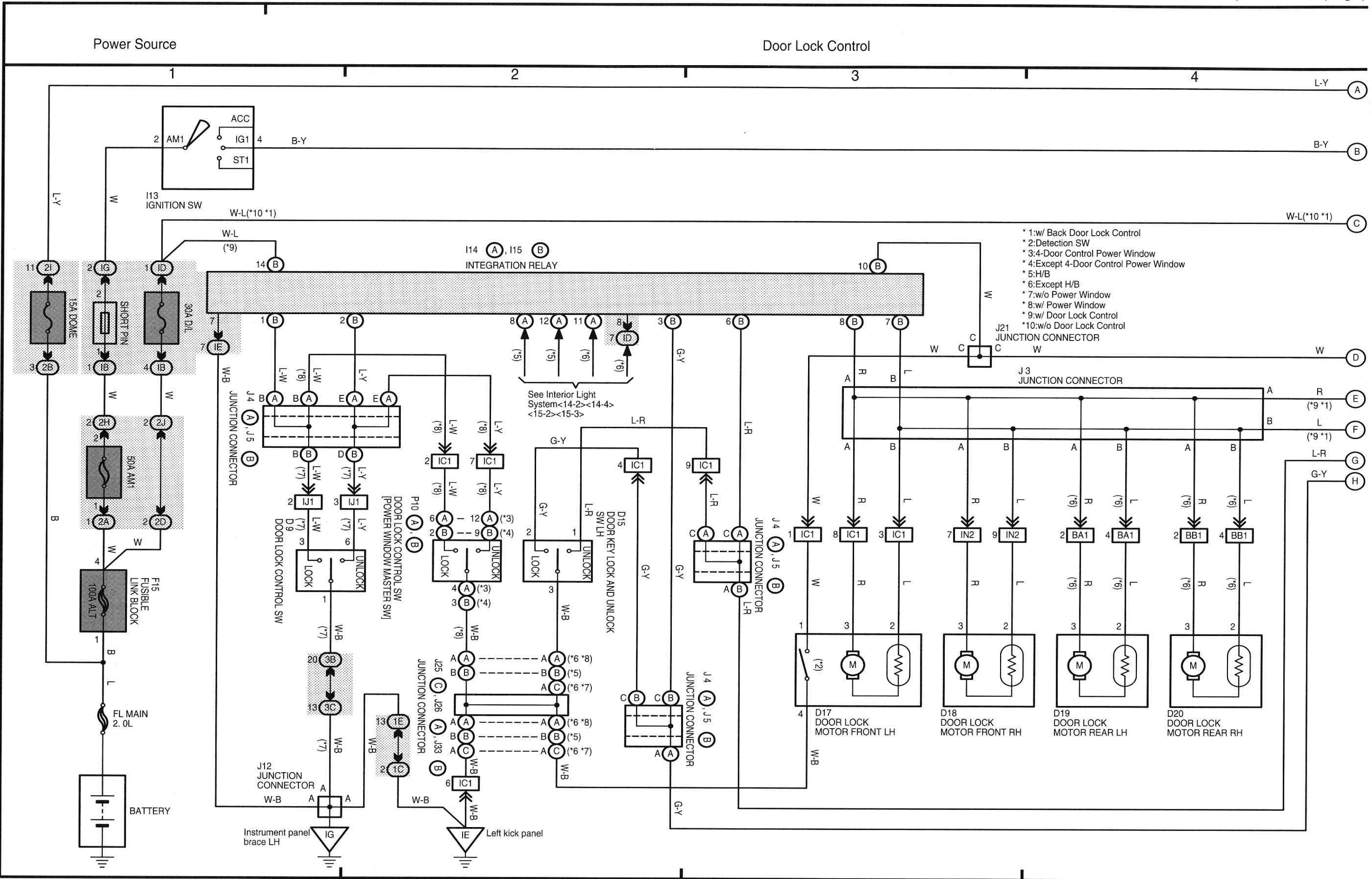
18 COROLLA(LHD)	
1	18 COROLLA(LHD)

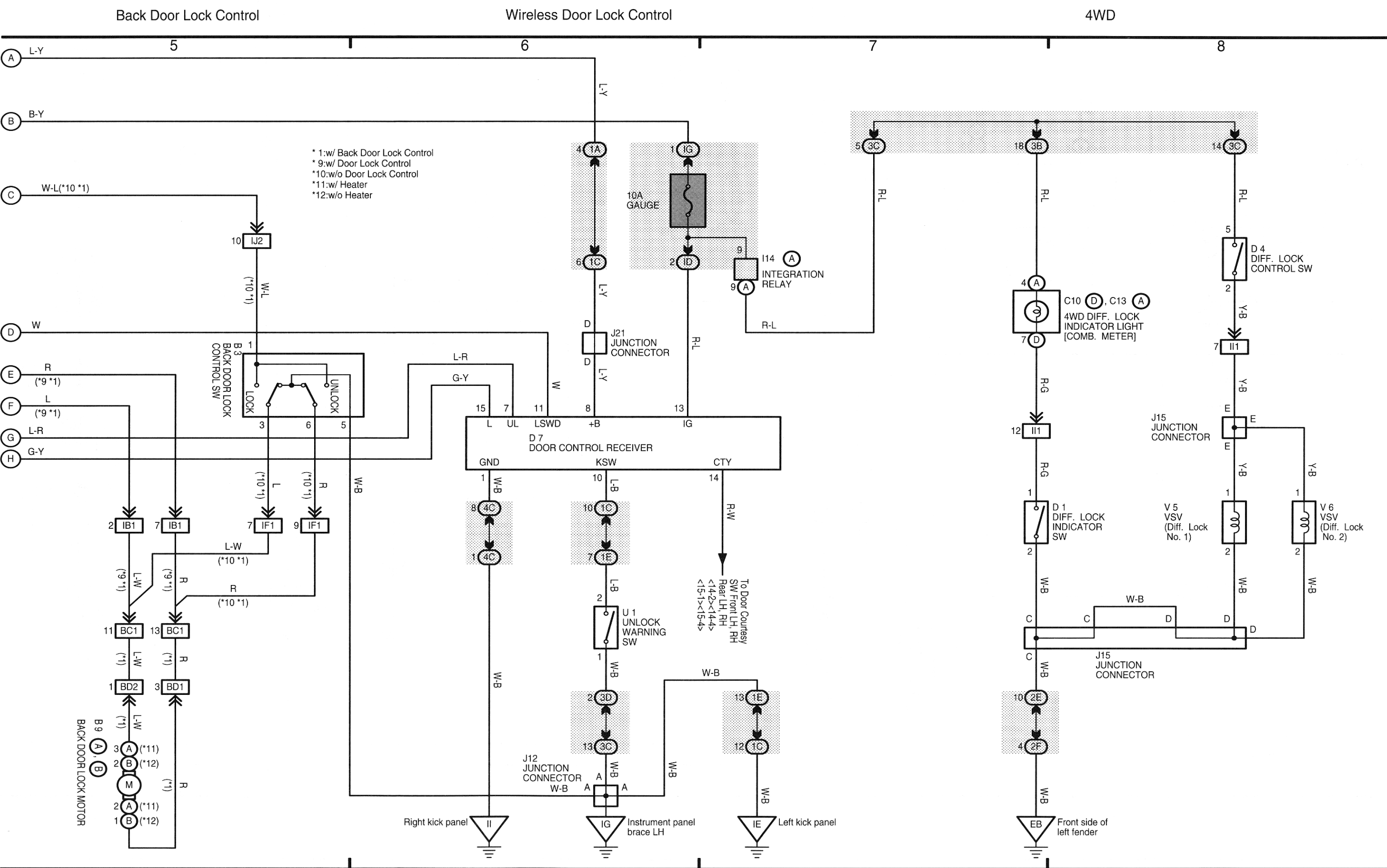


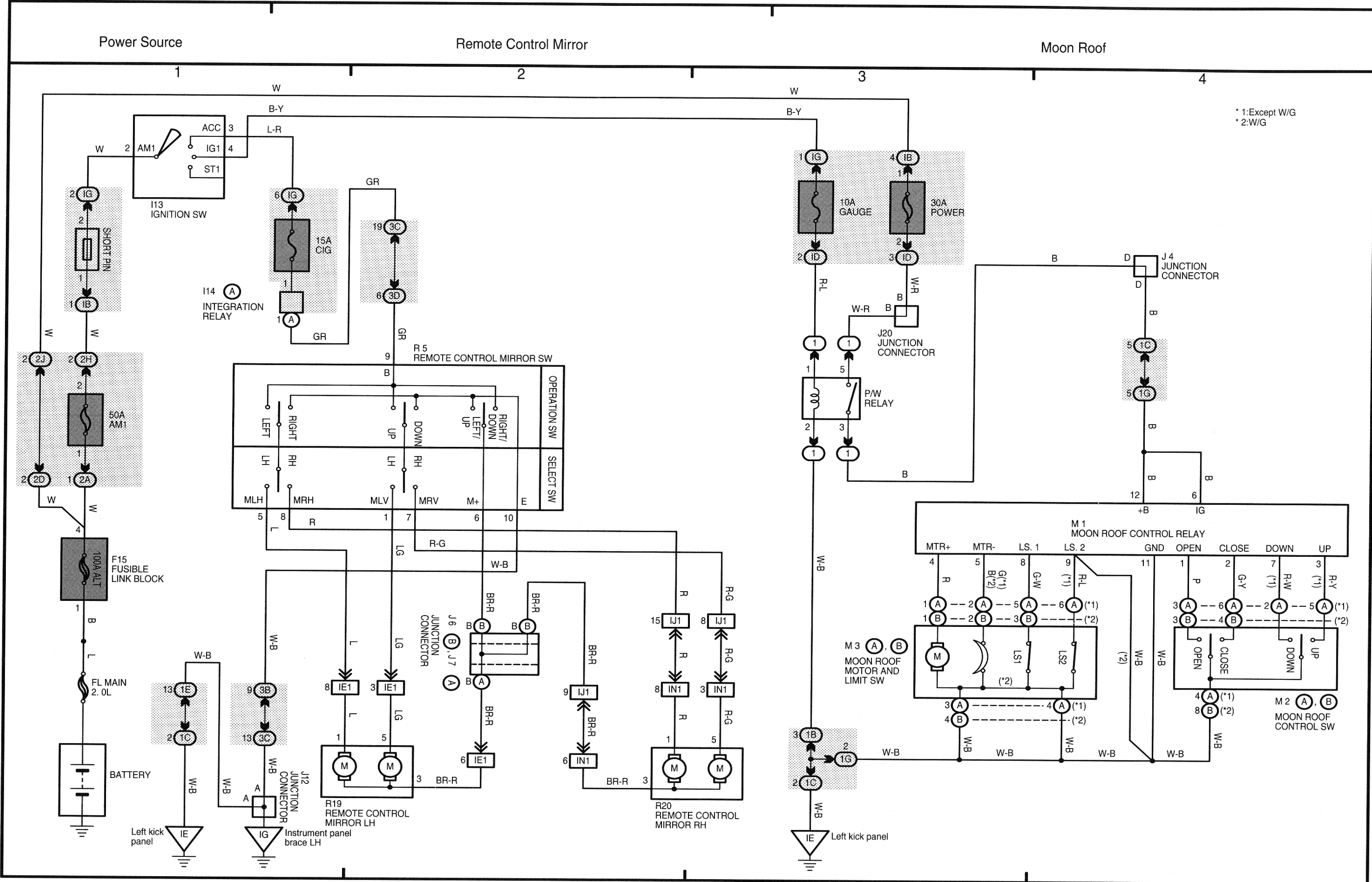




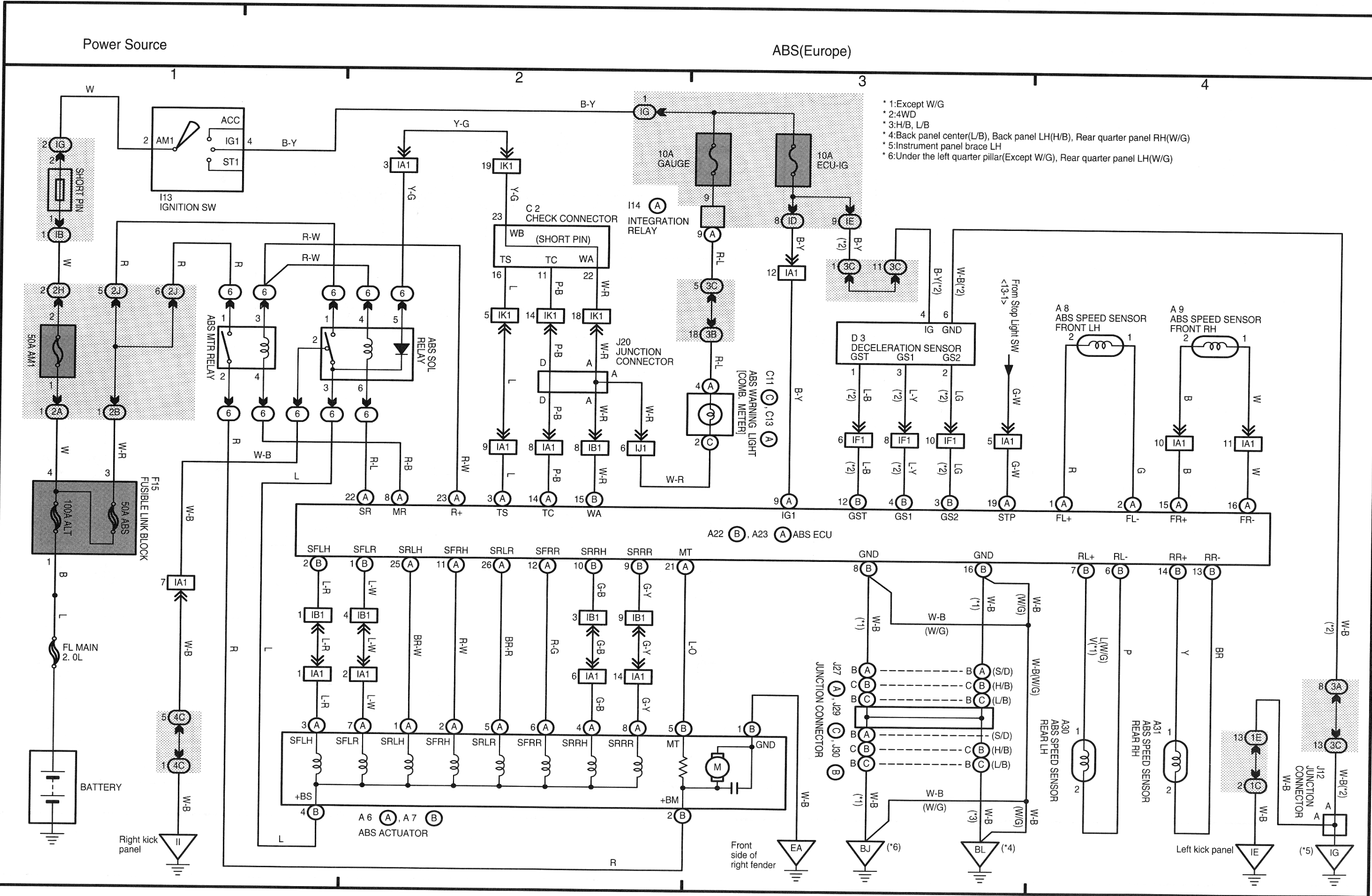
K OVERALL ELECTRICAL WIRING DIAGRAM



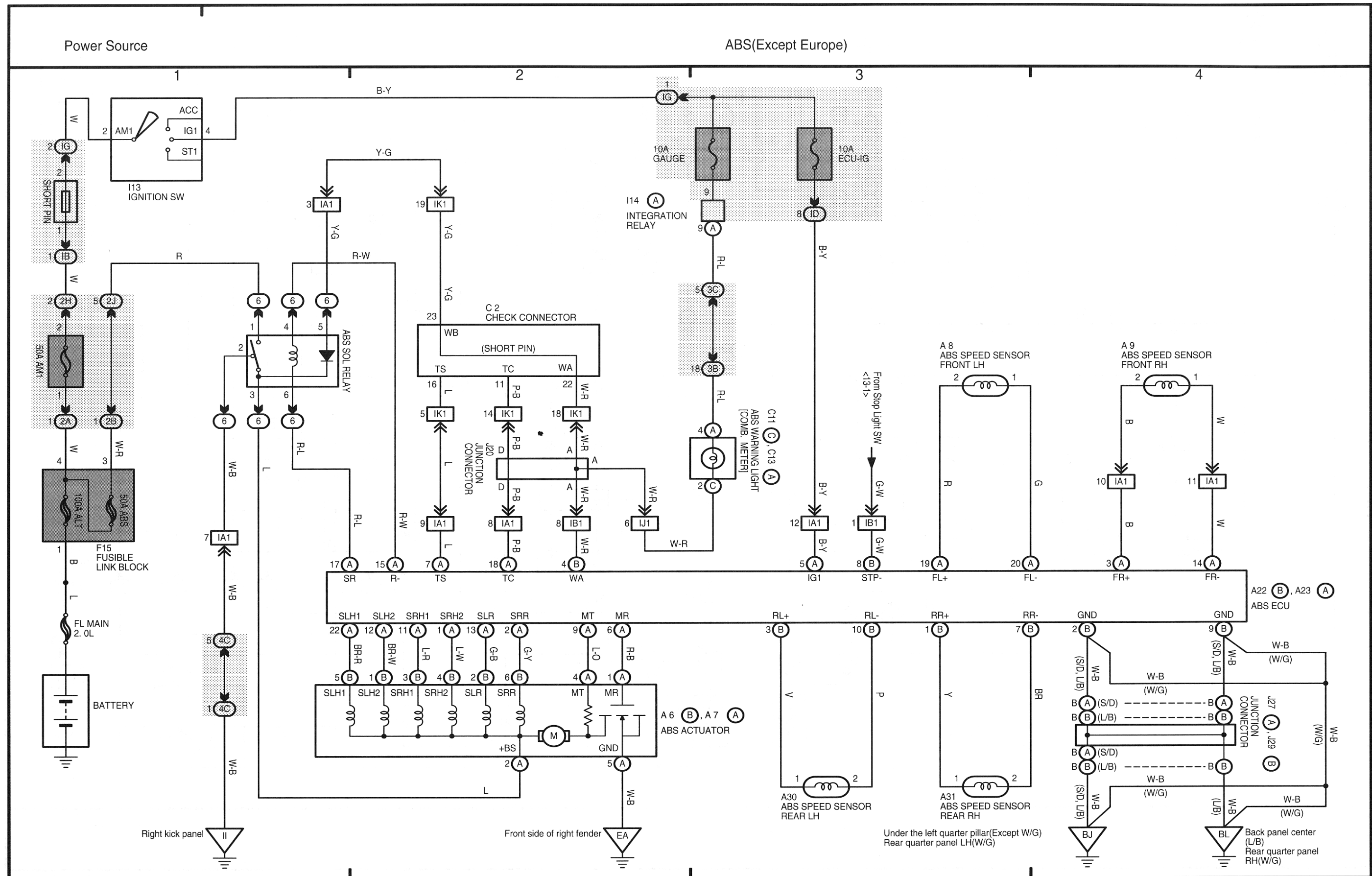


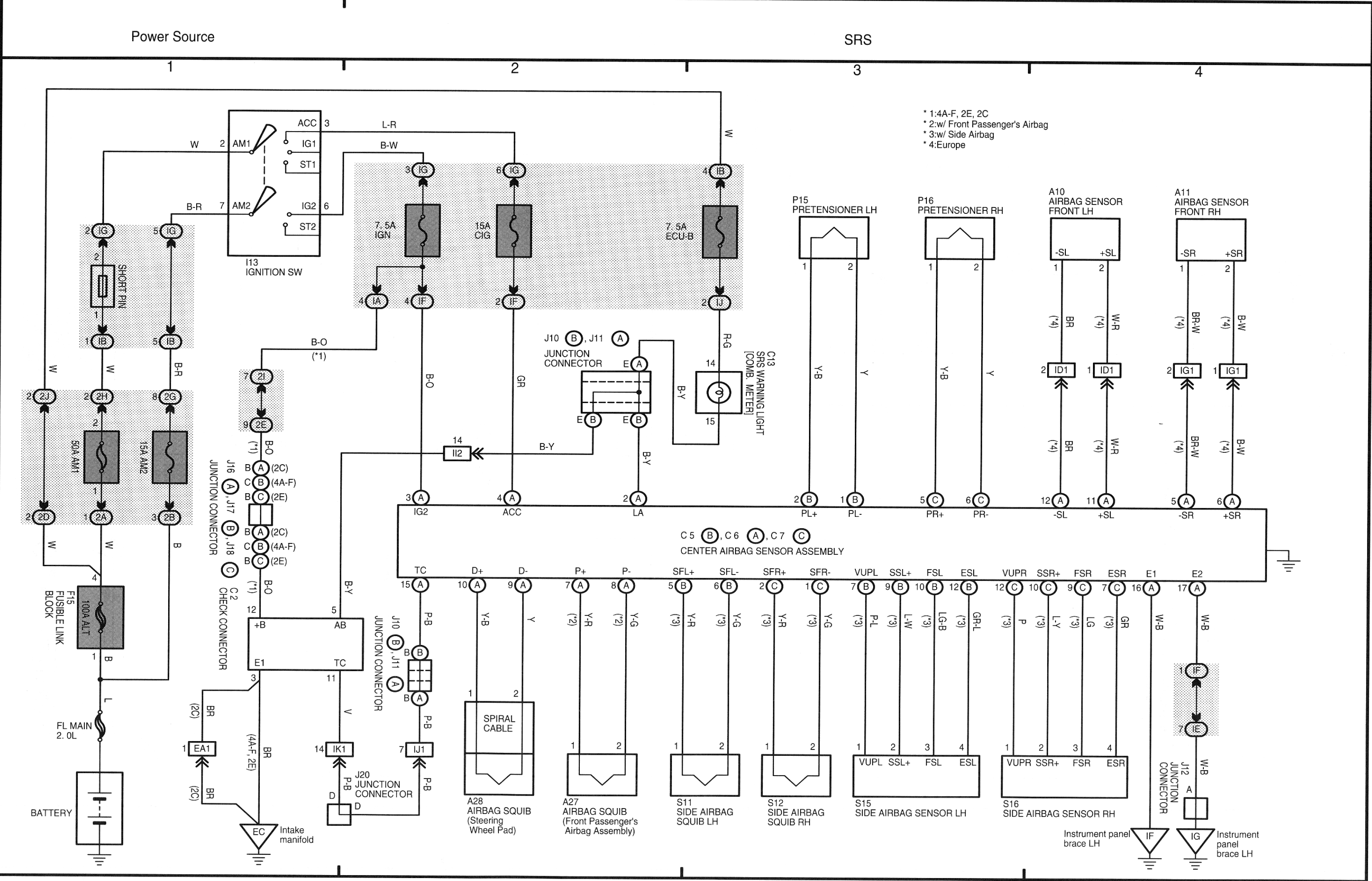


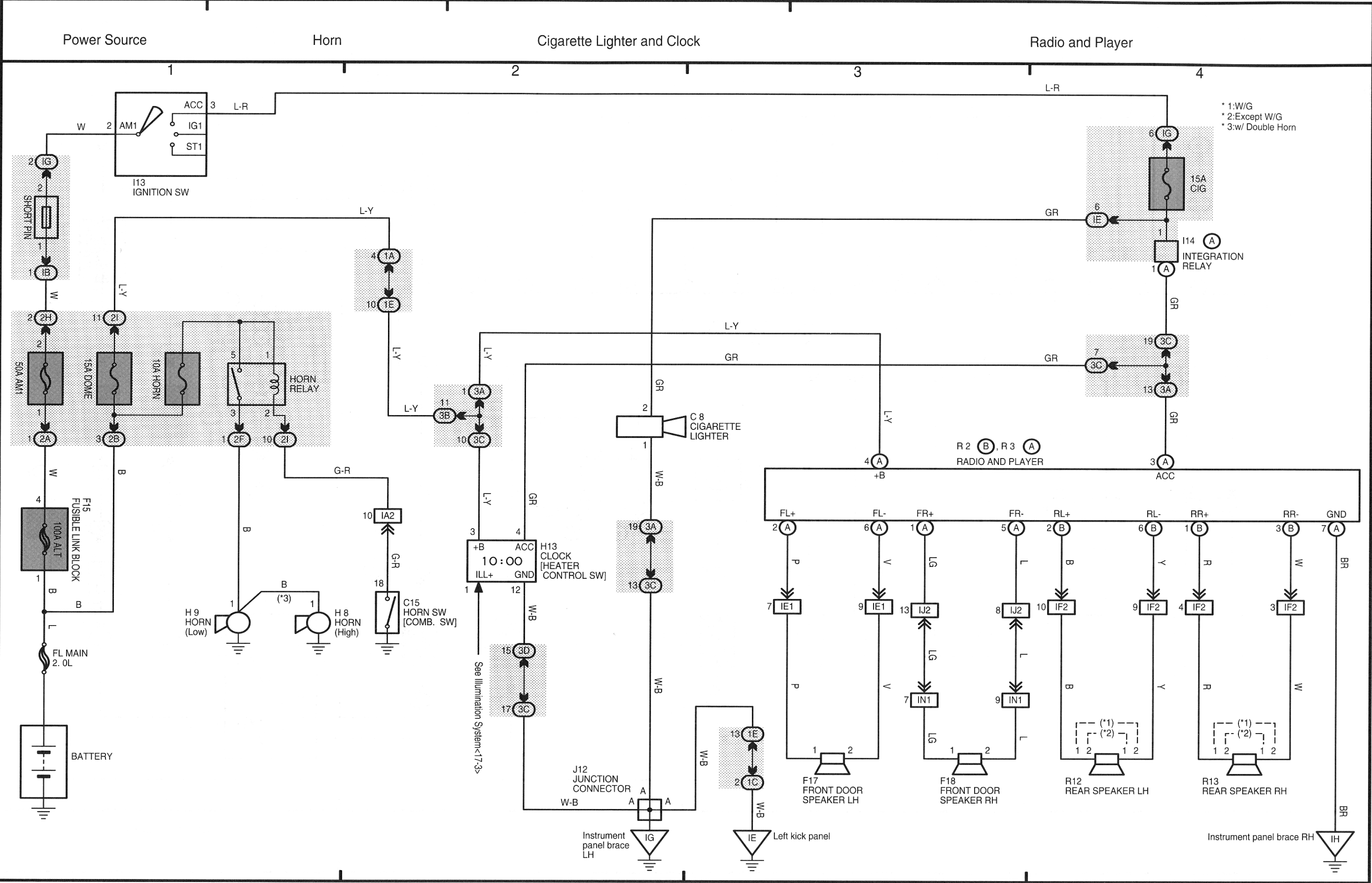
23 COROLLA(LHD)



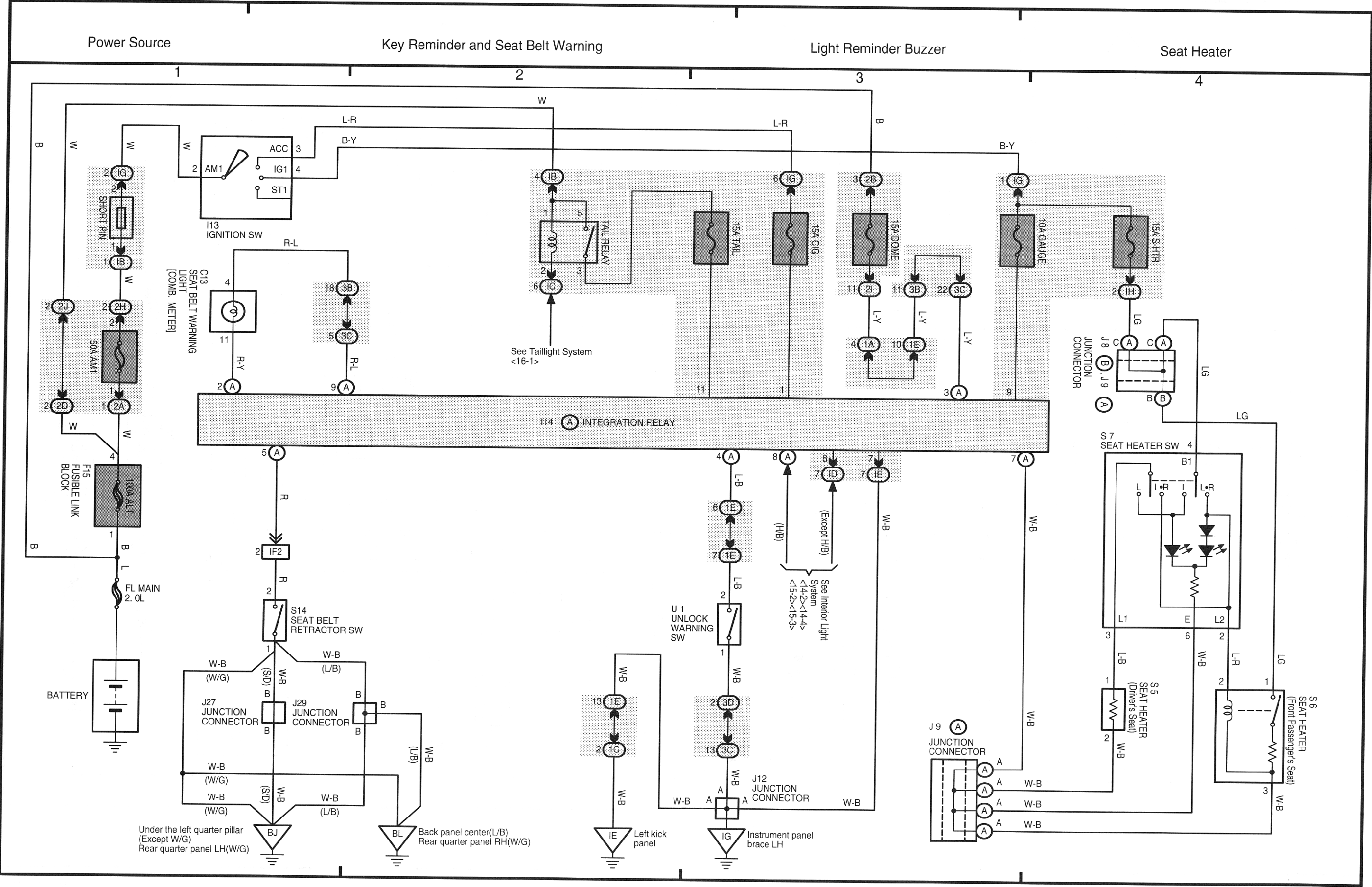
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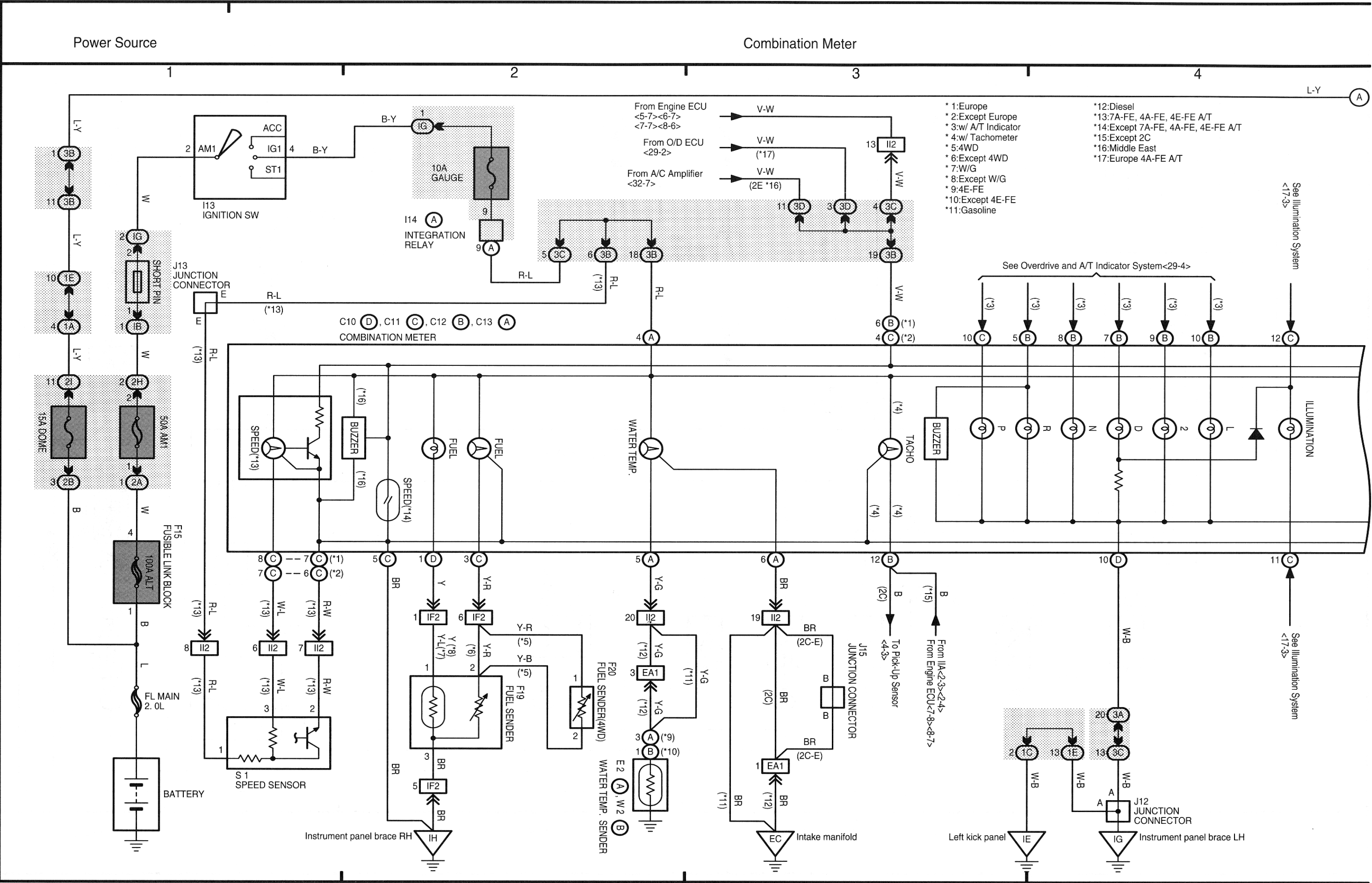




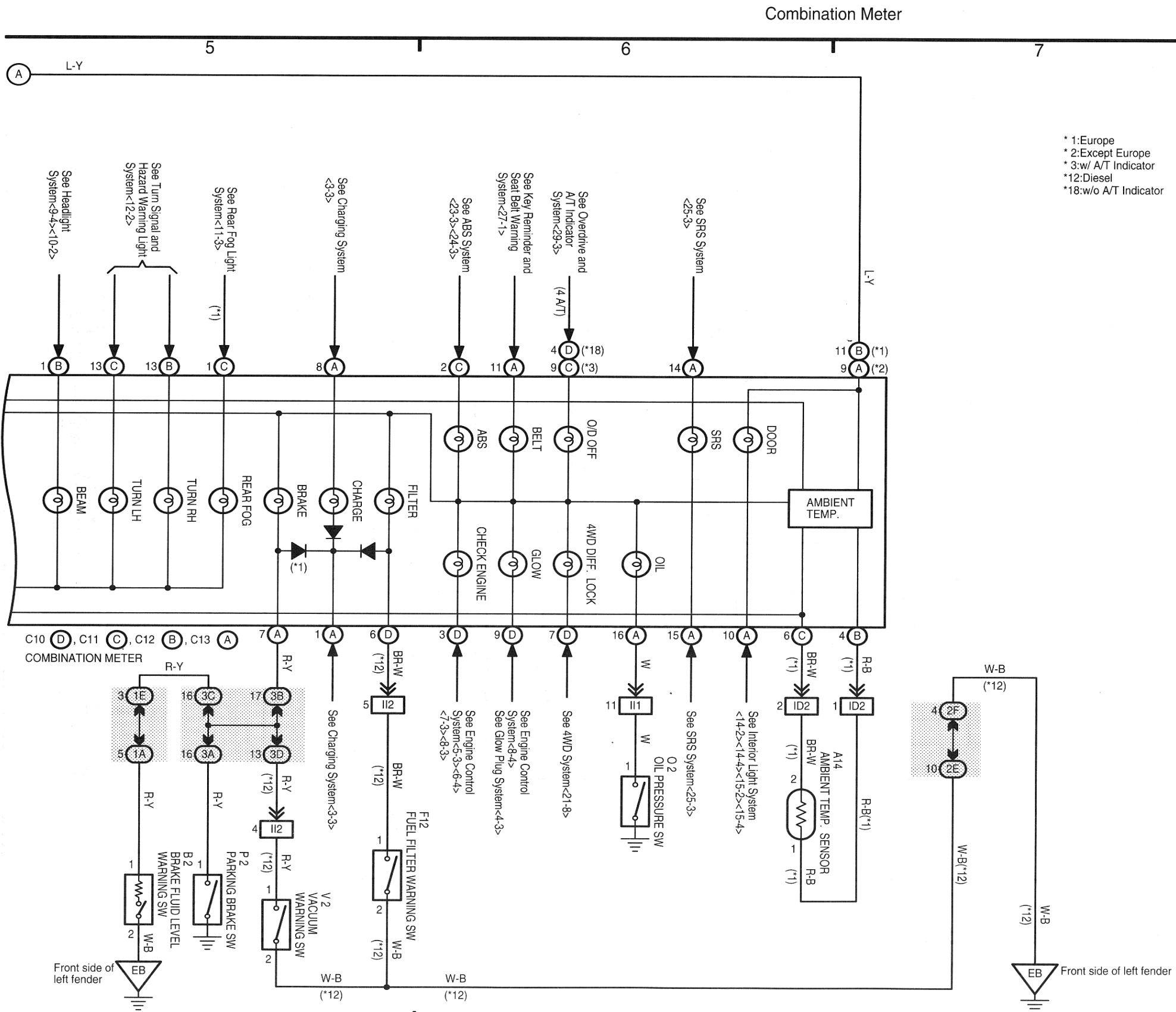


K OVERALL ELECTRICAL WIRING DIAGRAM

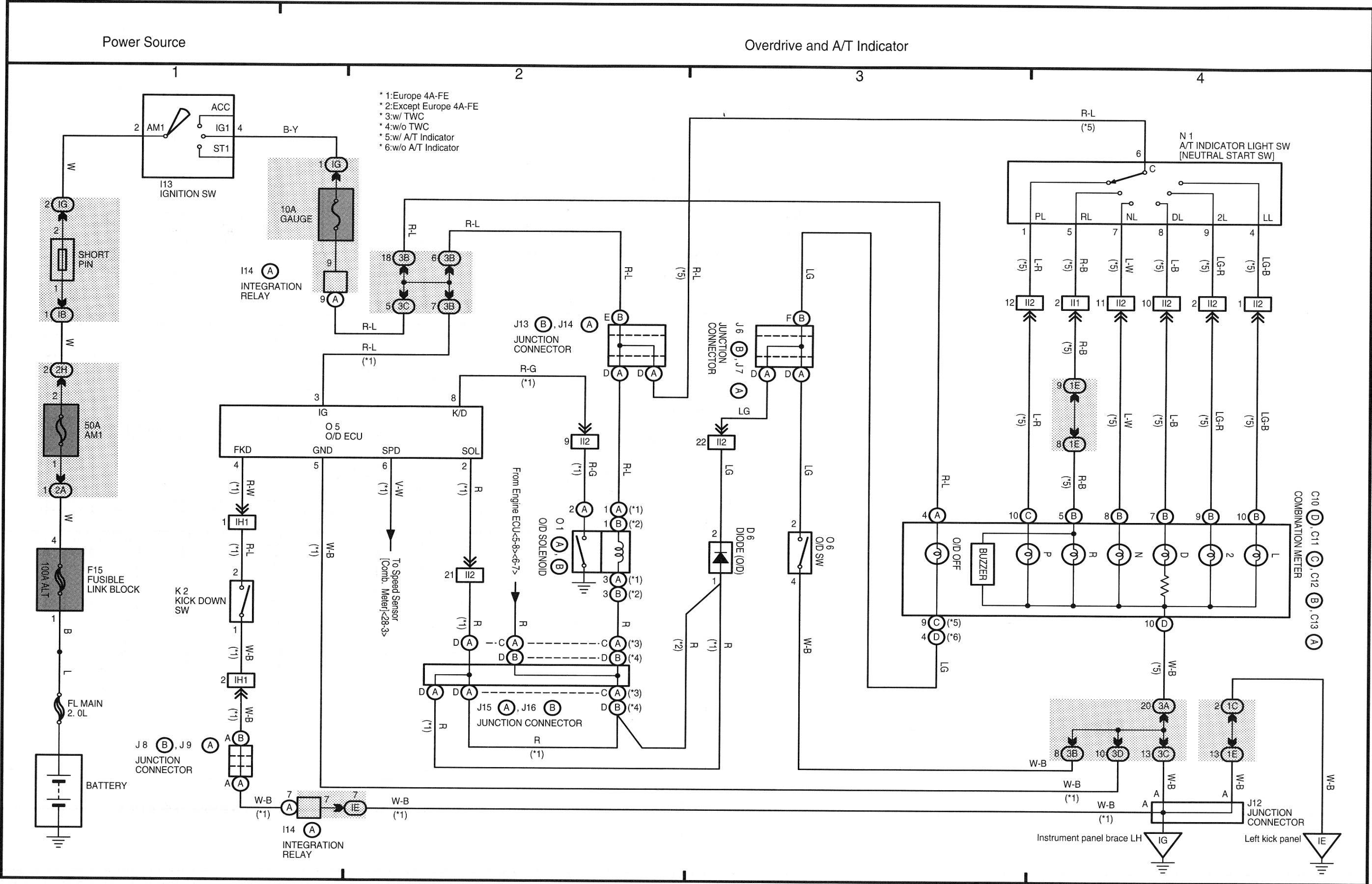


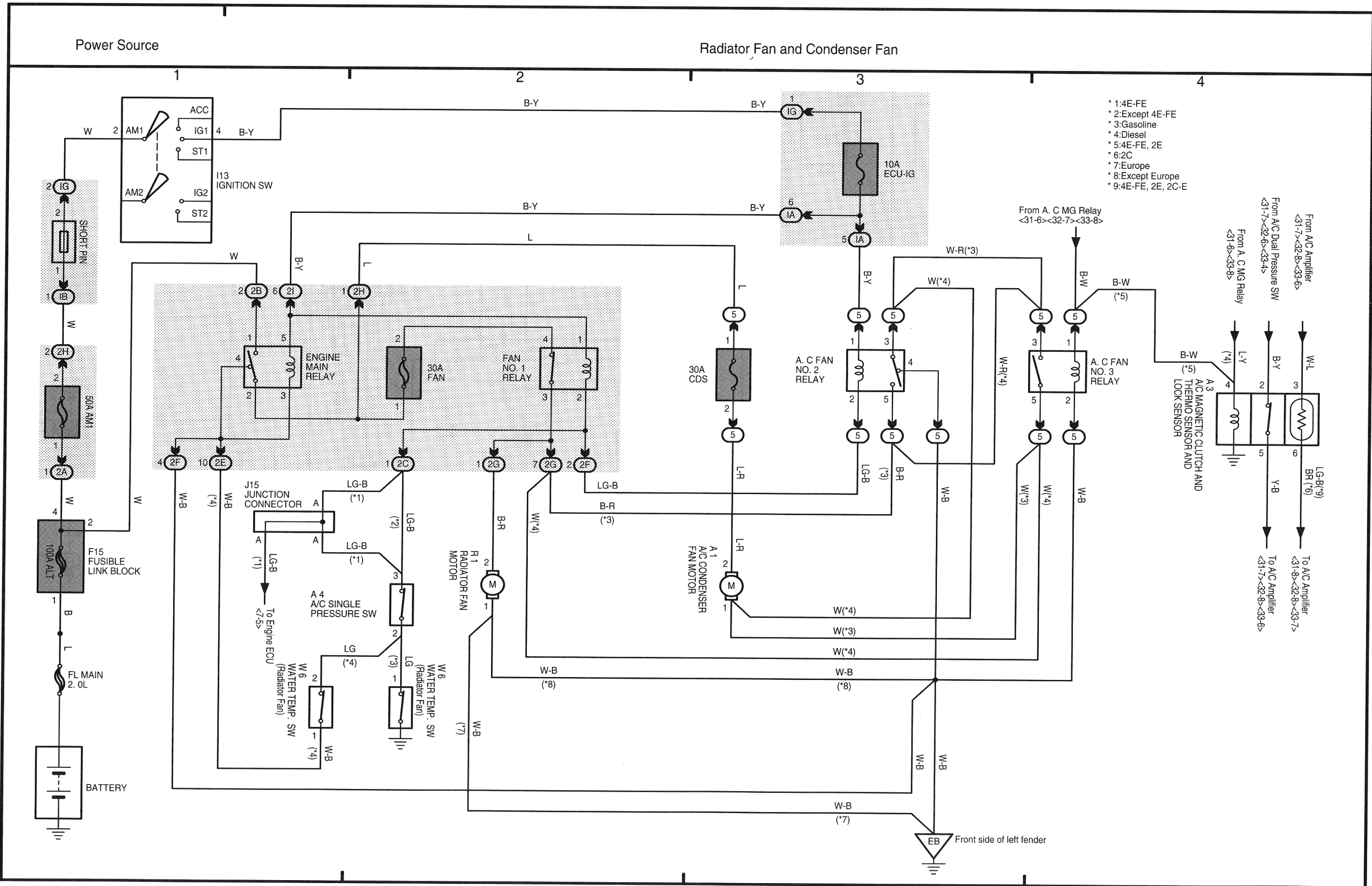


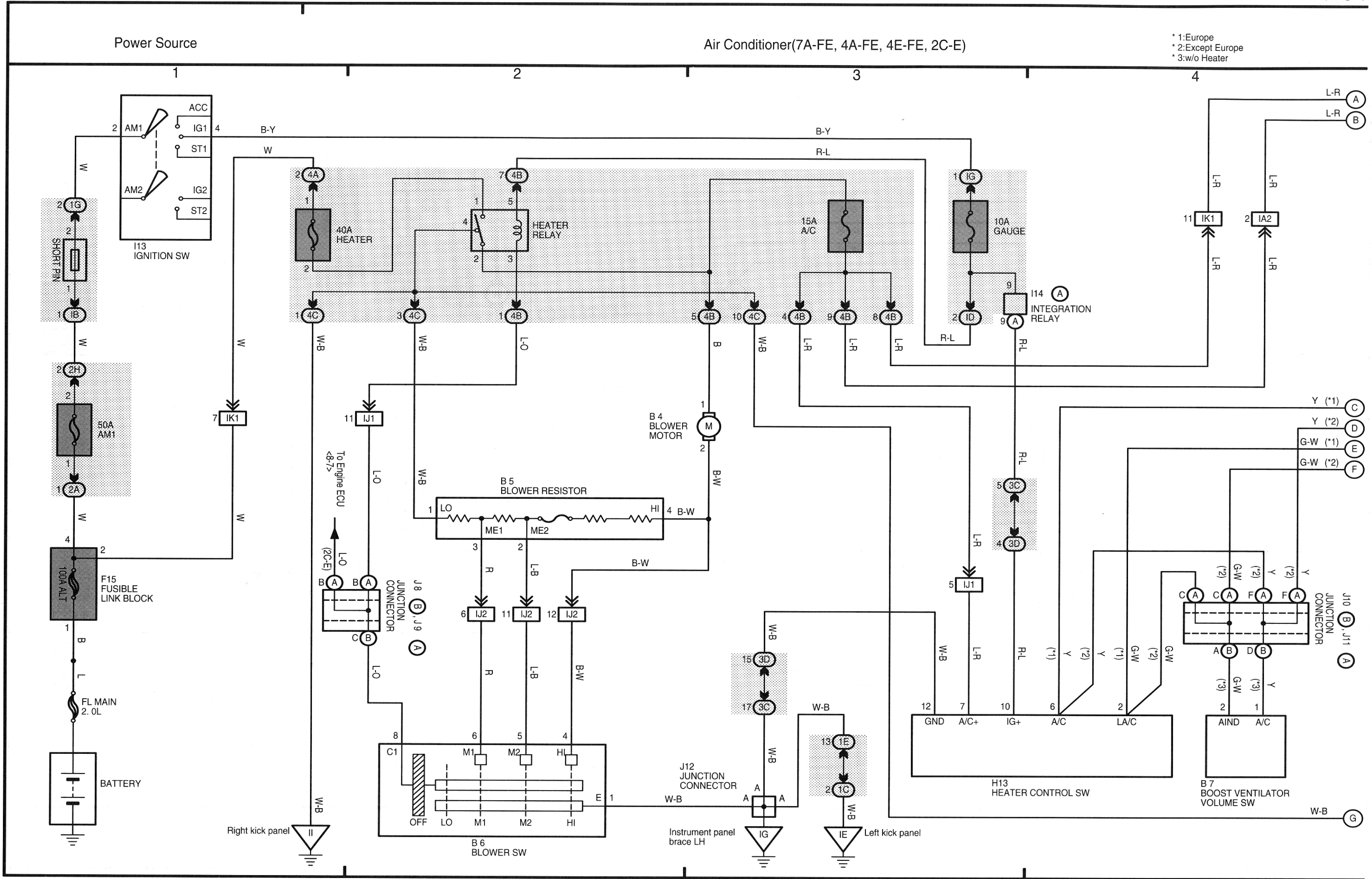
K OVERALL ELECTRICAL WIRING DIAGRAM

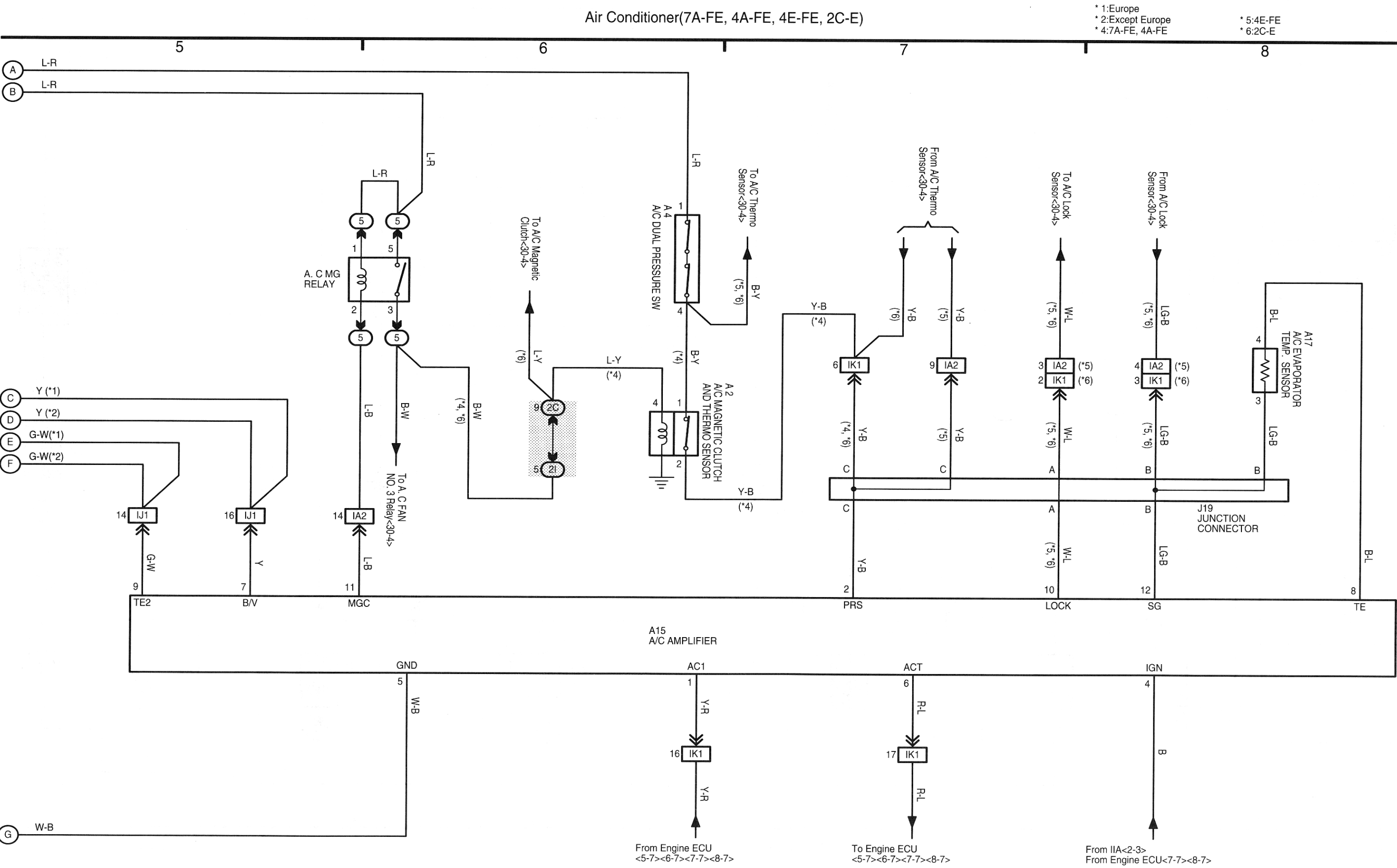


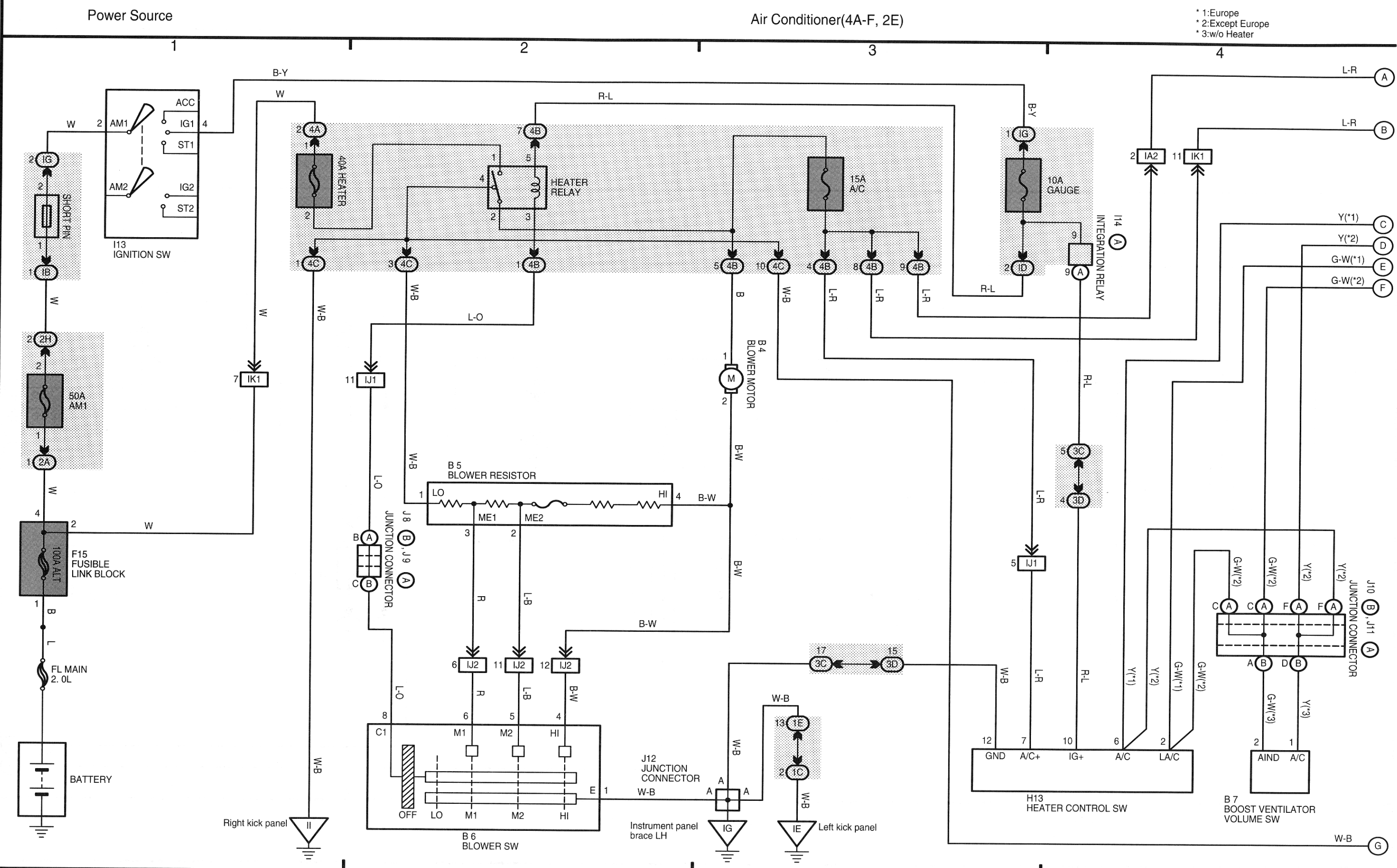
K OVERALL ELECTRICAL WIRING DIAGRAM



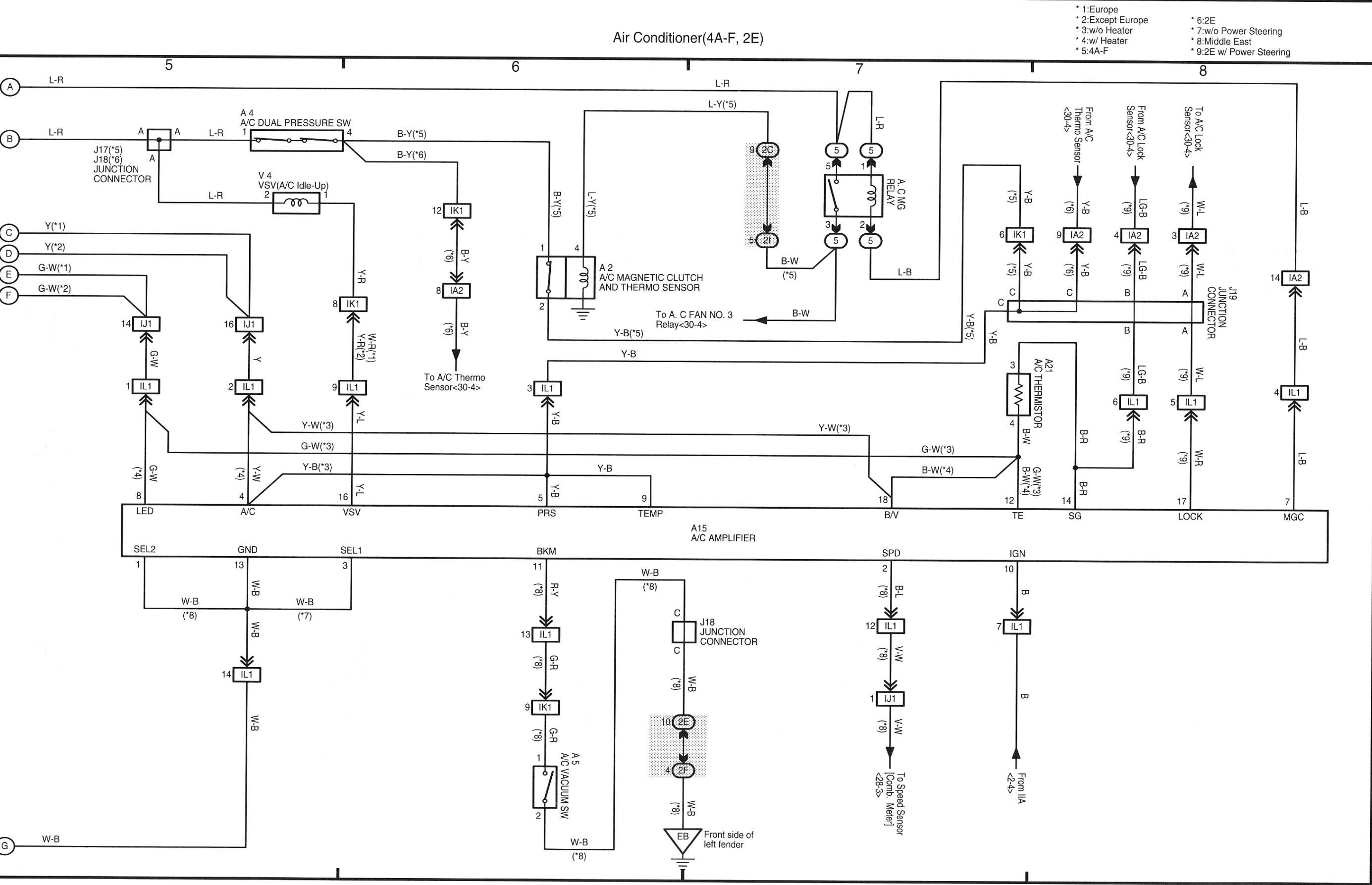


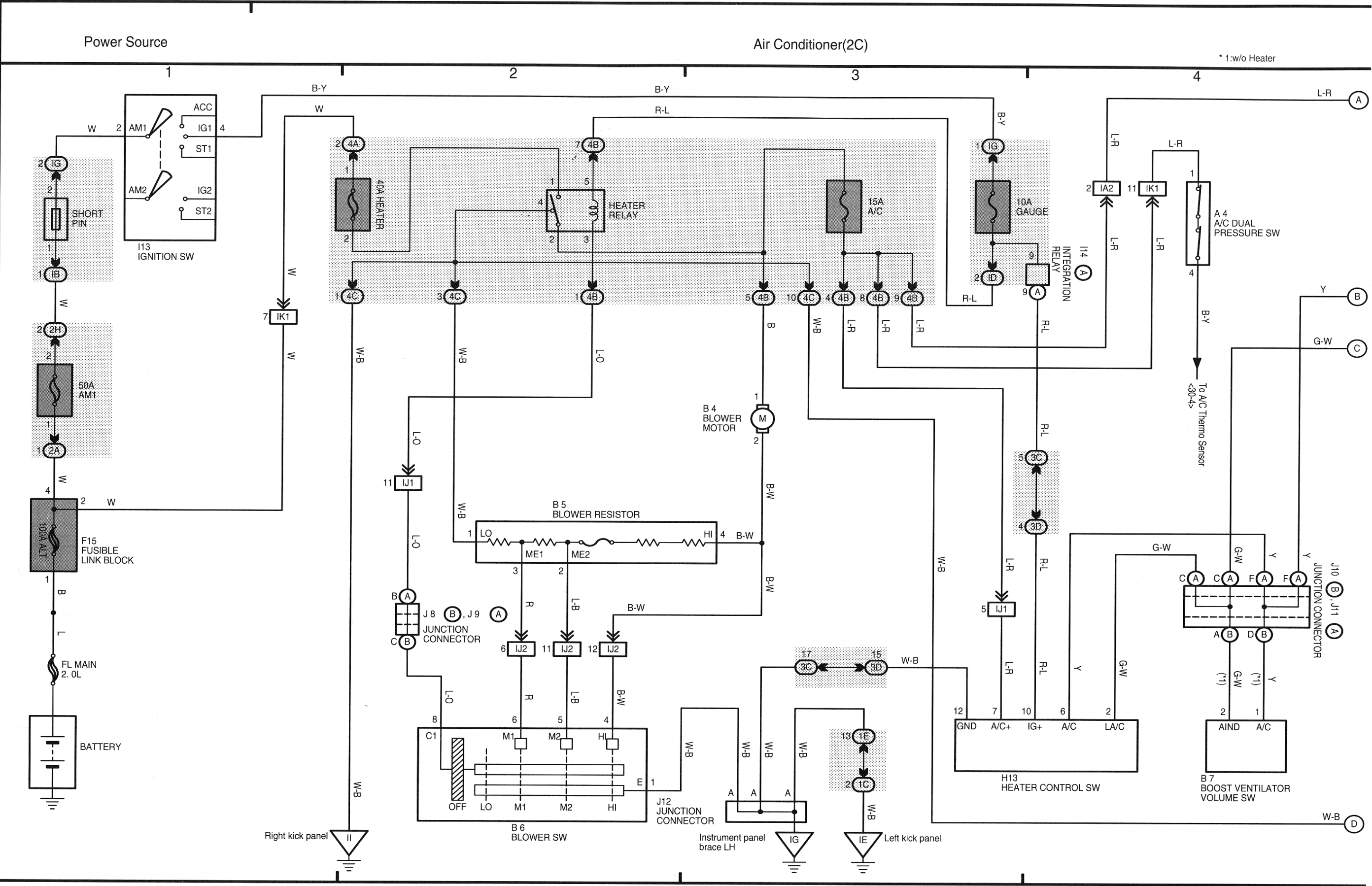






K OVERALL ELECTRICAL WIRING DIAGRAM





K OVERALL ELECTRICAL WIRING DIAGRAM

