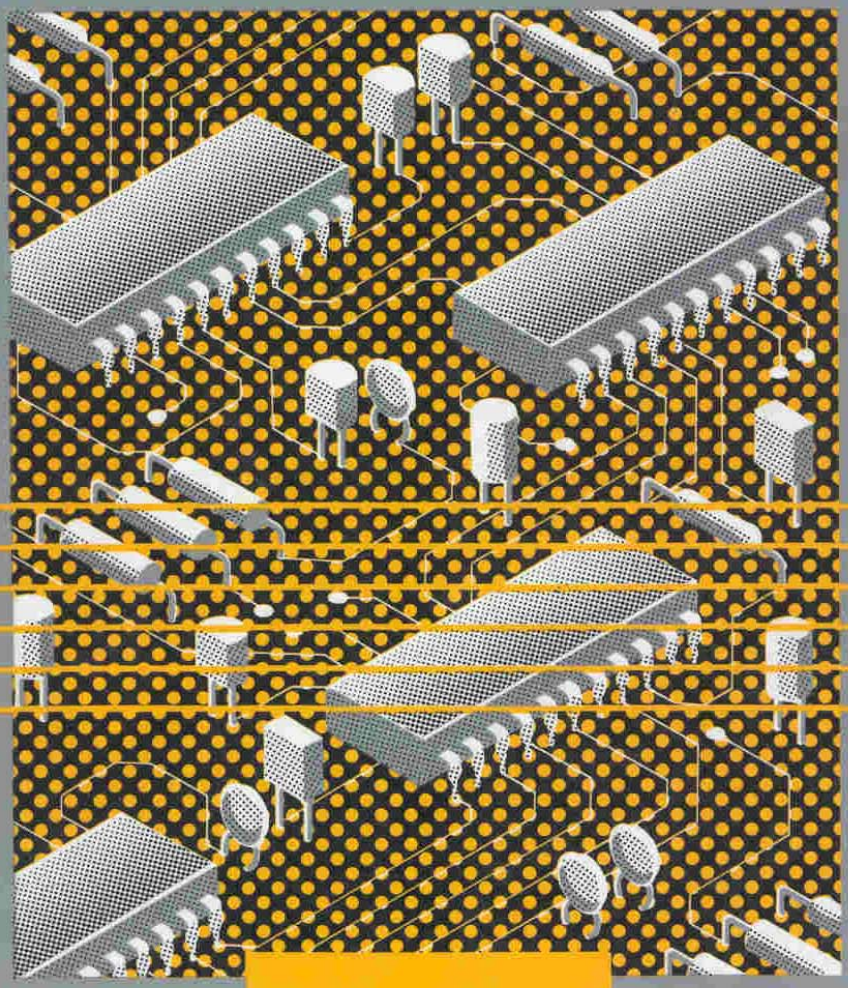
TOYOTA

COROLLA

ELECTRICAL WIRING DIAGRAM

AE11_ Series
EE11_ Series
CE110 Series

May, 1997



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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.

English Français Español

COROLLA
ELECTRICAL WIRING DIAGRAM

(English)

English Français Español

SCHEMA DE CABLAGE ELECTRIQUE DE LA COROLLA

(Français)

COROLLA
DIAGRAMA DEL CABLEADO ELECTRICO

(Español)

A INTRODUCTION

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.)

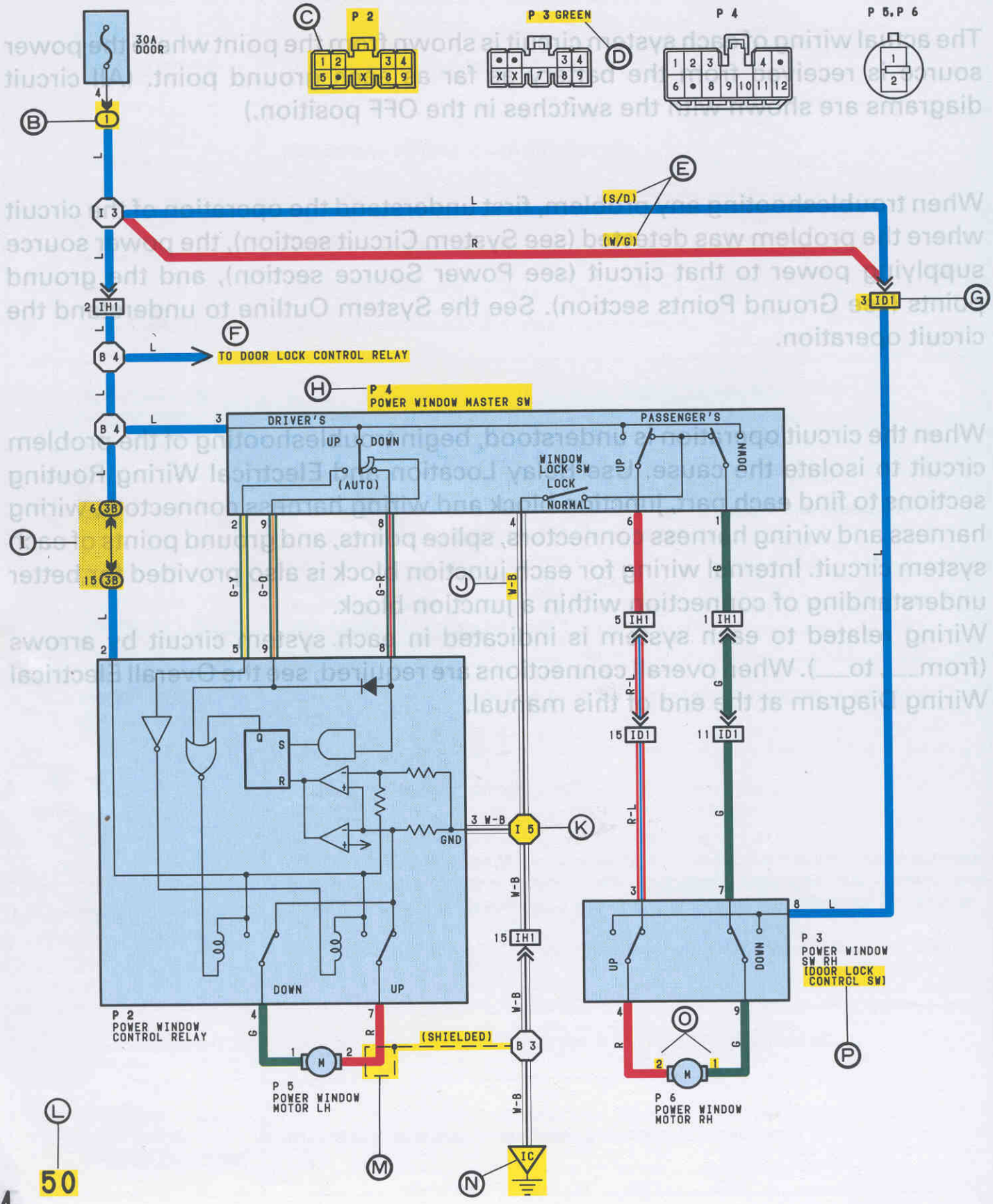
When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Points section). See the System Outline to understand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

English

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

POWER WINDOW



Ⓐ: System Title

Ⓑ: 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.

Ⓒ: 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.

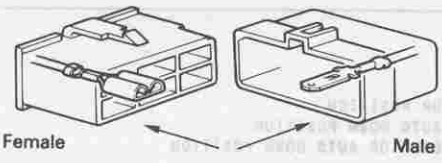
The pins shown are only for the highest grade, or only include those in the specification.

Ⓓ: Connector Color
Connectors not indicated are milky white in color.

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

Ⓕ: Indicates related system.

Ⓖ: 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.

Ⓗ: Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.

Ⓘ: 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.

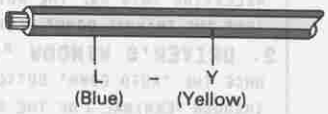
Ⓙ: Indicates the wiring color.

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

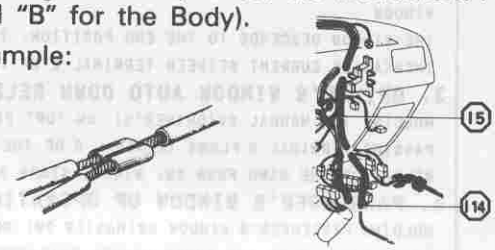
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: L – Y



Ⓚ: Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).

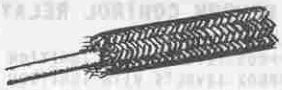
Example:



The Location of Splice Point I 5 is indicated by the shaded section.

Ⓛ: Page No.

Ⓜ: Indicates a shielded cable.

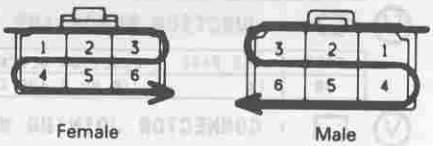


Ⓝ: Indicates a ground point.

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.

Ⓞ: 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



Ⓟ: When 2 parts both use one connector in common, the parts connector name used in the wire routing section is shown in square brackets [ ].

English

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
I5	24	COWL WIRE

Ⓠ: Explains the system outline.

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

Ⓢ: 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

Ⓣ: 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.

Ⓤ: 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.

Ⓥ: 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.

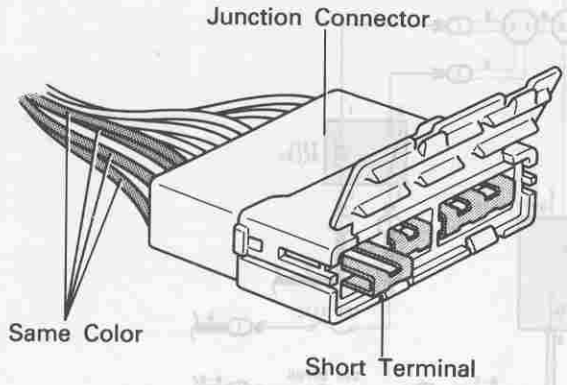
Ⓦ: Indicates the reference page showing the position of the ground points on the vehicle.

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

Ⓧ: 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:



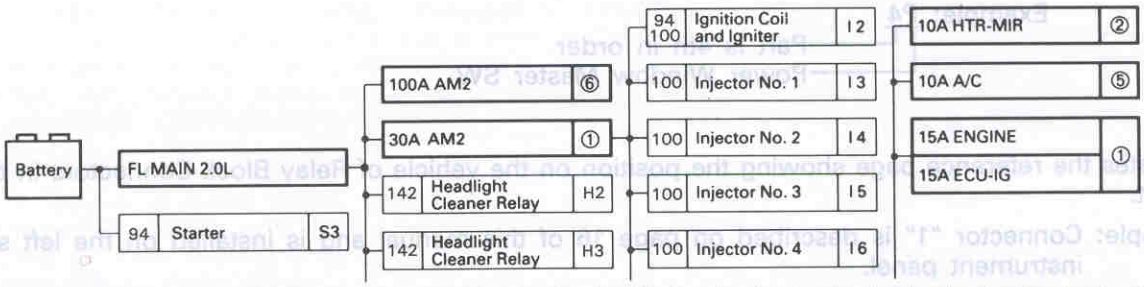
Junction connector (code: J1 to J38) in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. 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.

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)

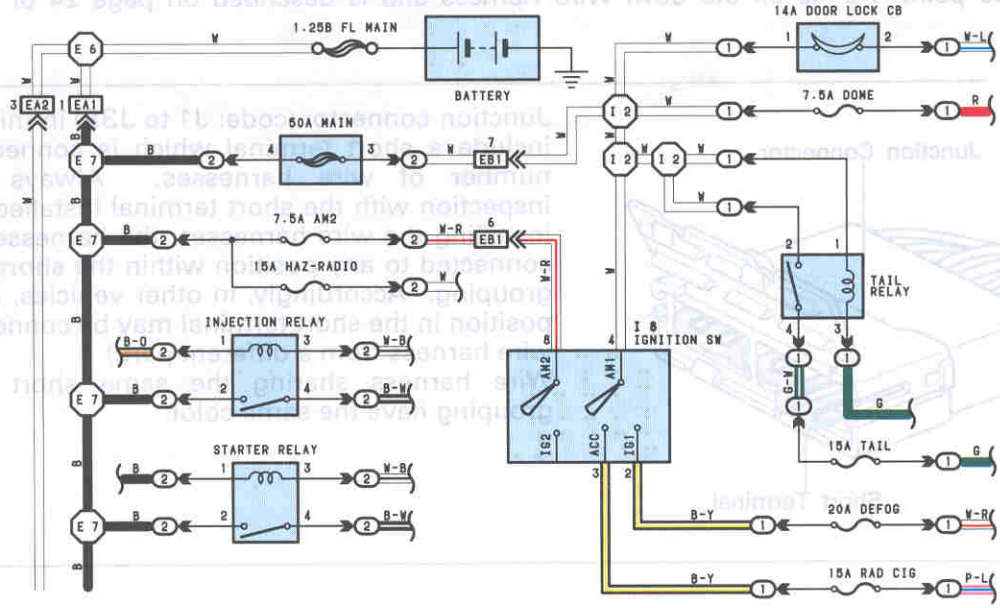
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.

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



Location	CB or Fuse	Page Nos. of Related Systems	200	100	98	190	200	200	124	200	186	190	124	136	136	200	200	136	136	112	100	154	124	100
		Parts / Code or Location	A/C Idle-Up VSV	Air Flow Meter	Alternator	Auto Antenna Motor	A/C Amplifier	A/C SW	A/C SW Light	A/C Pressure SW	ADD Control Relay	Auto Antenna Control Relay	A/T Indicator Light	Back-Up Light SW	Back-Up Light Relay	Blower Motor	Blower Resistor	Back-Up Light LH	Back-Up Light RH	Choke Heater	Check Connector	Cigarette Lighter	Cigarette Lighter Light	Circuit Opening Relay
			A1	A4	A5	A7	A8	A9			A10	A11	A12	A13	B1	B3	B4	B5	R5	R6	C2	C3	C8	C8	C9
	10A	ENGINE			●																			
	20A	WIPER																						
	10A	TURN																						
	10A	GAUGE												●	●	●	●	●	●					

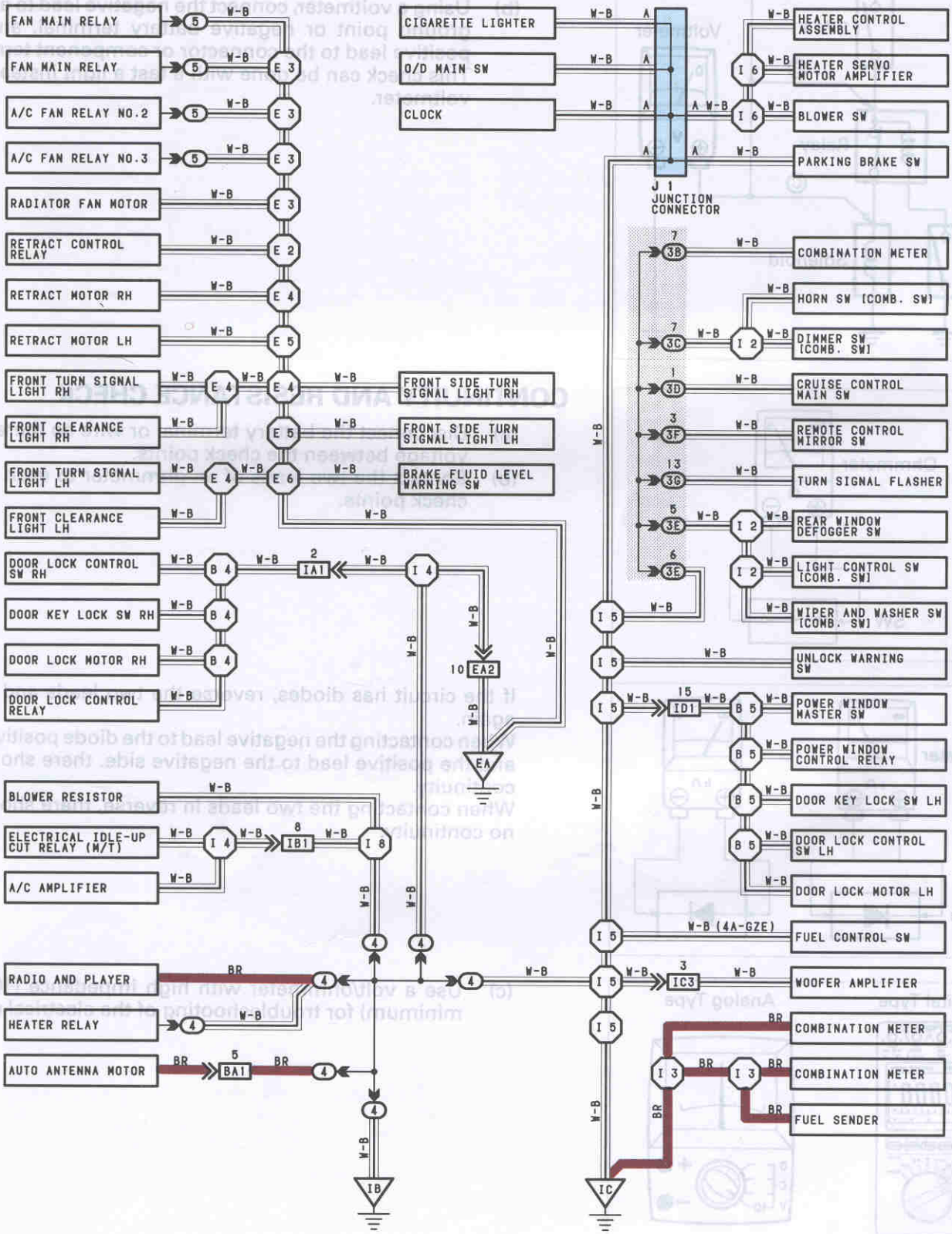
POWER SOURCE



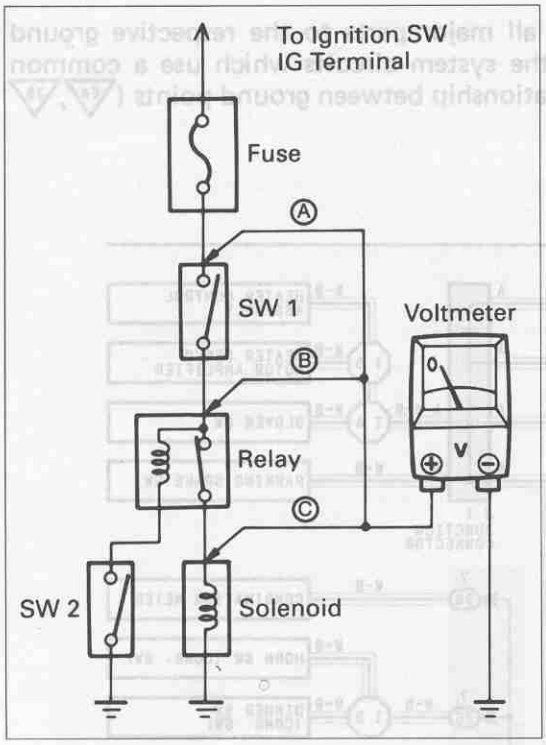
* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

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



* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



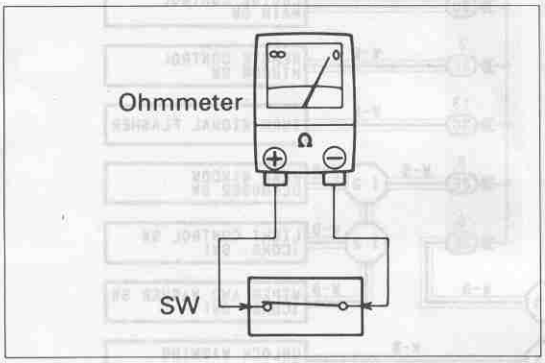
VOLTAGE CHECK

(a) Establish conditions in which voltage is present at the check point.

Example:

Ⓐ – Ignition SW on
Ⓑ – Ignition SW and SW 1 on
Ⓒ – Ignition SW, SW 1 and Relay on (SW 2 off)

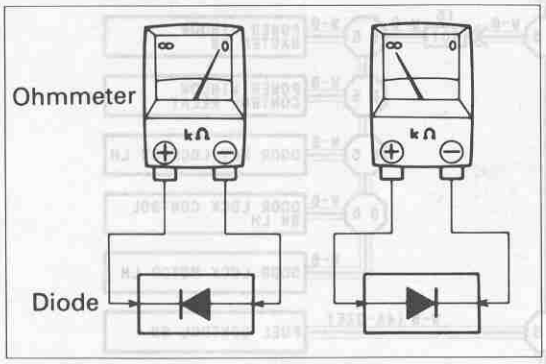
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal. This check can be done with a test a light instead of a voltmeter.



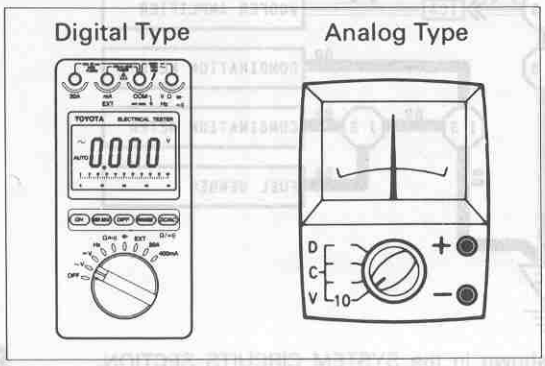
CONTINUITY AND RESISTANCE CHECK

(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

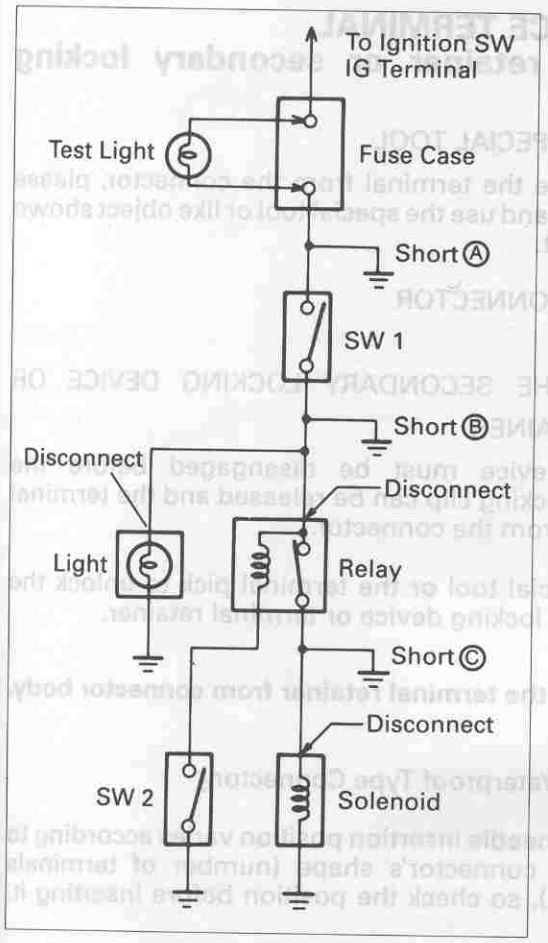
(b) Contact the two leads of an ohmmeter to each of the check points.



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:

Ⓐ – Ignition SW on

Ⓑ – Ignition SW and SW 1 on

Ⓒ – 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.

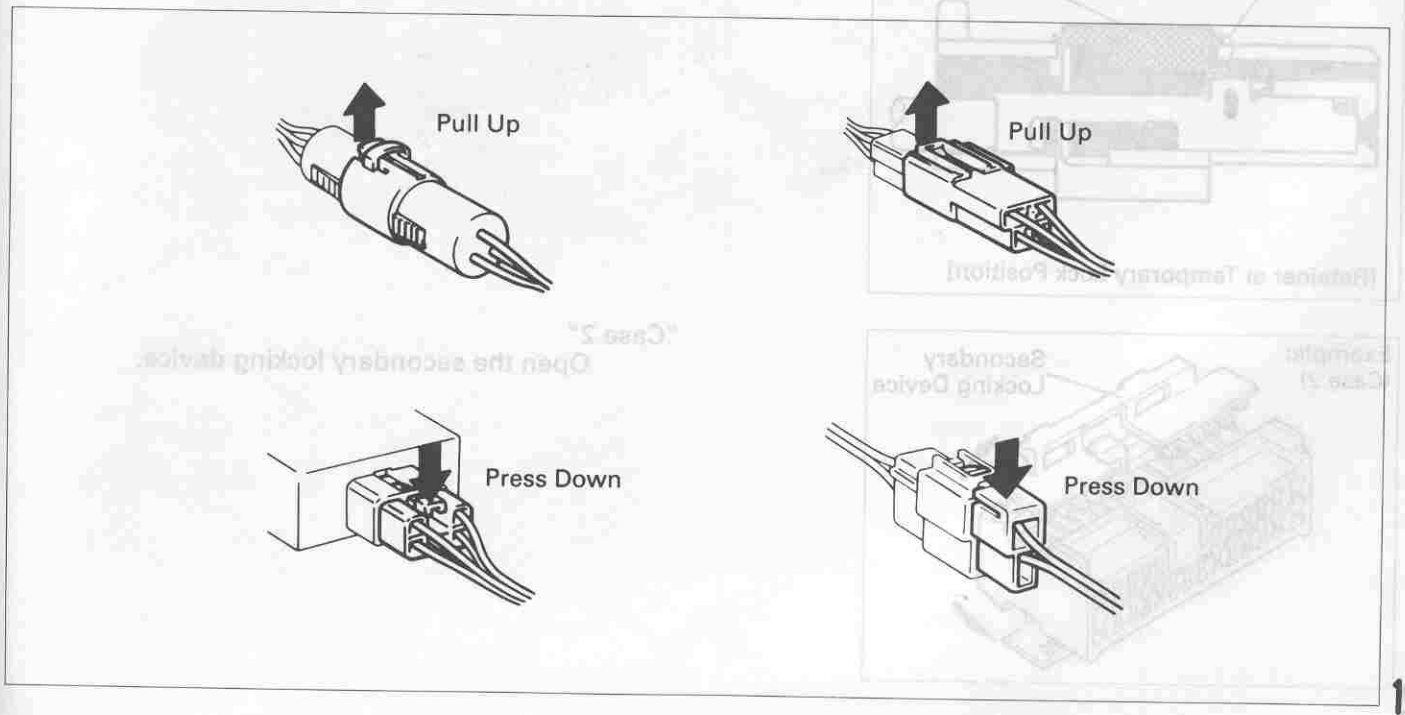
CAUTION:

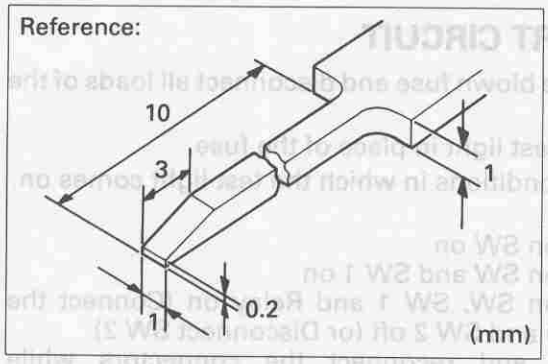
Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

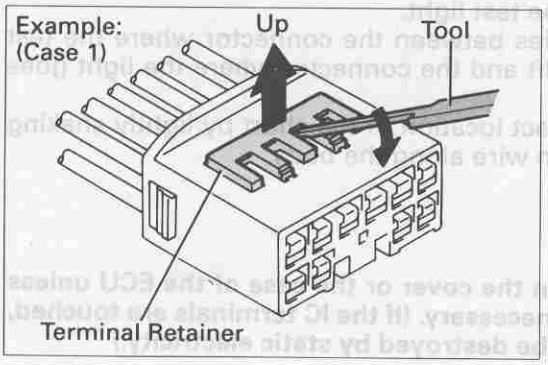
DISCONNECTION OF MALE AND FEMALE CONNECTORS

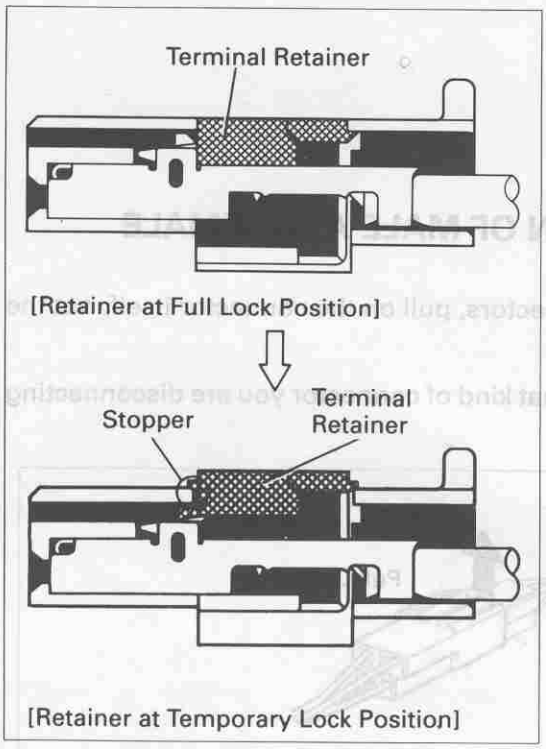
To pull apart the connectors, pull on the connector itself, not the wire harness.

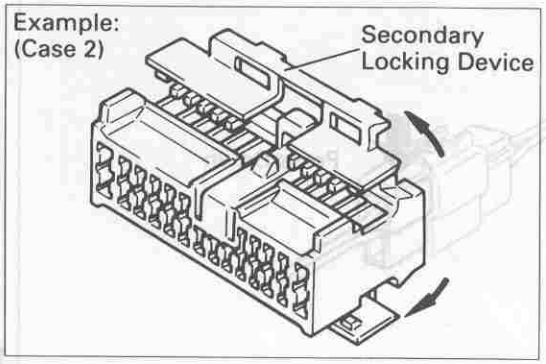
HINT: Check to see what kind of connector you are disconnecting before pulling apart.











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.

   (a) Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.

   (b) Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

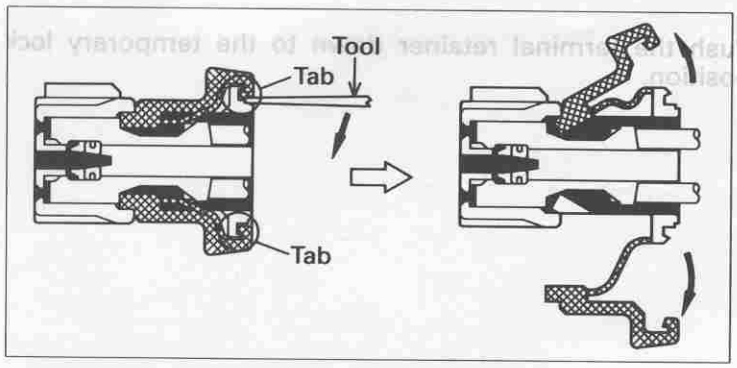
NOTICE:
Do not remove the terminal retainer from connector body.

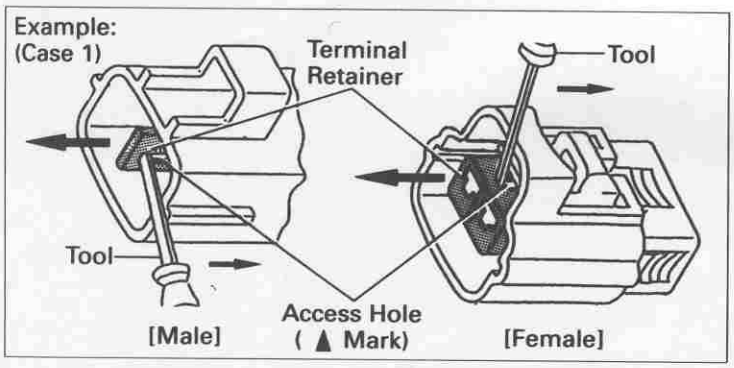
Ⓐ For Non-Waterproof Type Connector

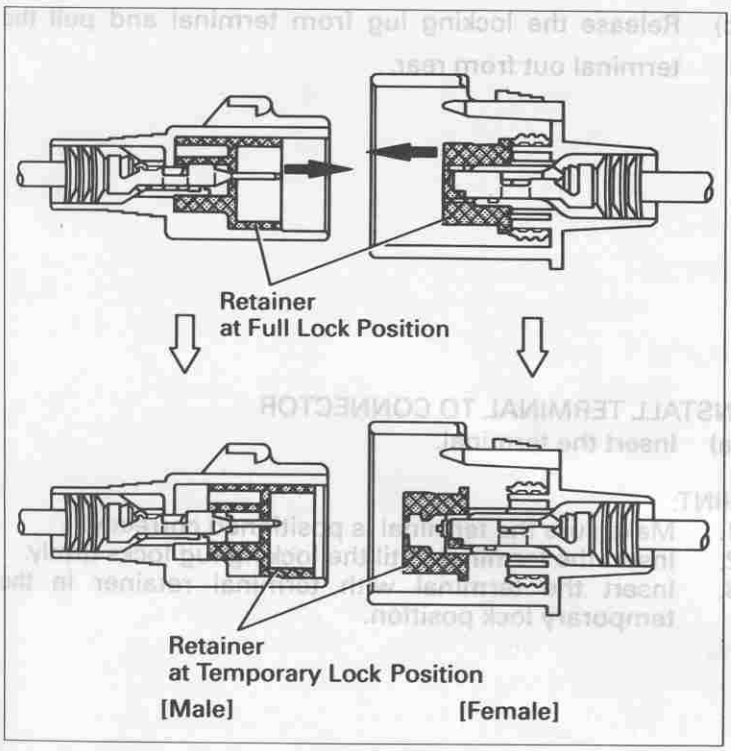
HINT: The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

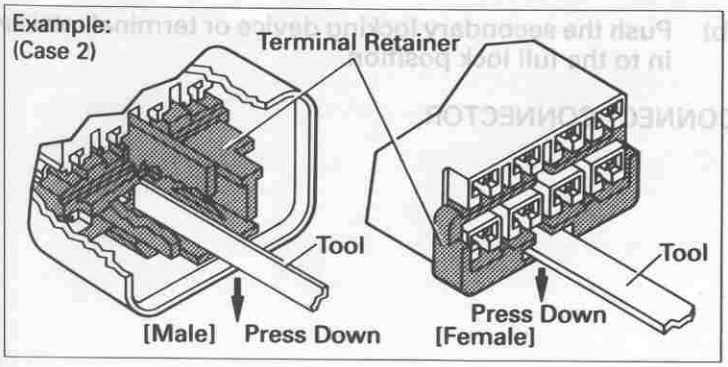
"Case 1"
Raise the terminal retainer up to the temporary lock position.

"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"

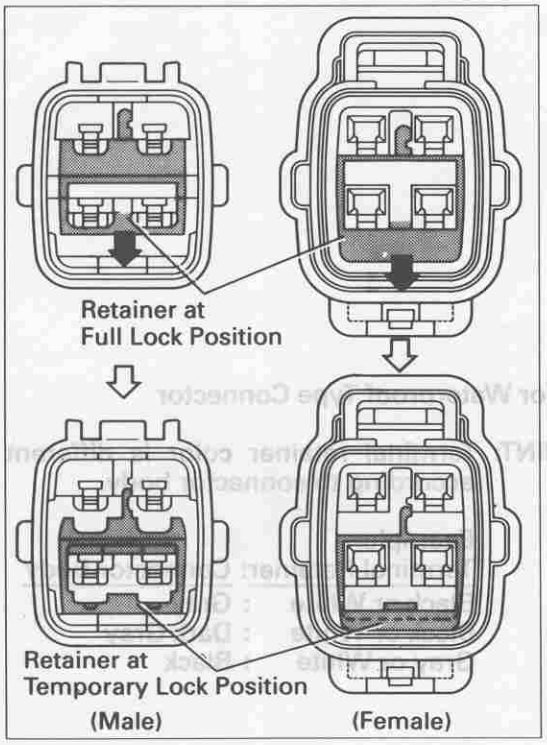
Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

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

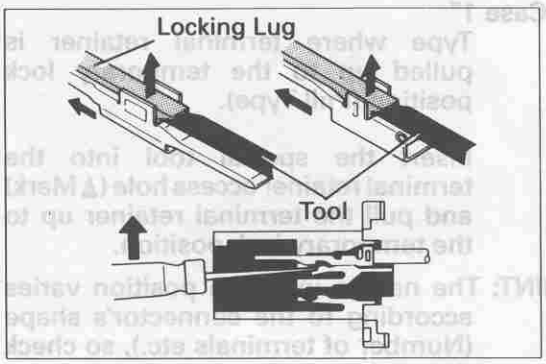
HINT: The needle insertion position varies according to the connector's shape (Number of terminals etc.), so check the position before inserting it.

"Case 2"

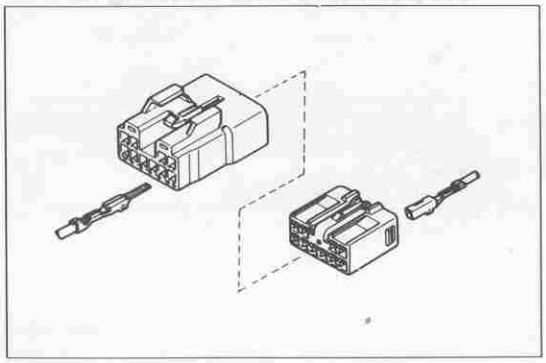
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.

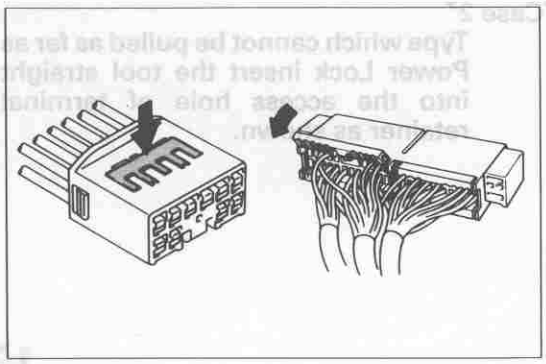


(c) Release the locking lug from terminal and pull the terminal out from rear.



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

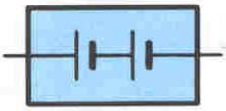
ABBREVIATIONS

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
IIA	=	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 insids the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

E GLOSSARY OF TERMS AND SYMBOLS



BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.

CAPACITOR (Condenser)
A small holding unit for temporary storage of electrical voltage.

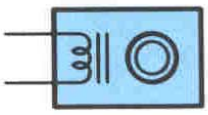
CIGARETTE LIGHTER
An electric resistance heating element.

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.

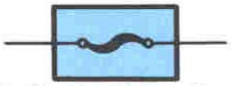
DIODE
A semiconductor which allows current flow in only one direction.

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.



DISTRIBUTOR, IIA
Channels high-voltage current from the ignition coil to the individual spark plugs.



(for Medium Current Fuse)

(for High Current Fuse or Fusible Link)

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.

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.

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.

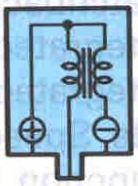
HEADLIGHTS

1. SINGLE FILAMENT

2. DOUBLE 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.

HORN
An electric device which sounds a loud audible signal.



IGNITION COIL
Converts low-voltage DC current into high-voltage ignition current for firing the spark plugs.

LIGHT
Current flow through a filament causes the filament to heat up and emit light.

LED (LIGHT EMITTING DIODE)
Upon current flow, these diodes emit light without producing the heat of a comparable light.

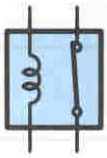
METER, ANALOG
Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.

METER, DIGITAL
Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.

MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

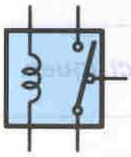
RELAY

Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small cail creates a magnetic field which either opens or closes an attached switch.



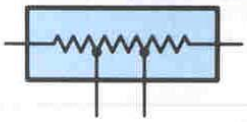
1. NORMALLY CLOSED

2. NORMALLY OPEN



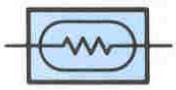
RELAY, DOUBLE THROW
A relay which passes current through one set of contacts or the other.

RESISTOR
An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.



RESISTOR, TAPPED
A resistor which supplies two or more different non adjustable resistance values.

RESISTOR, VARIABLE or RHEOSTAT
A controllable resistor with a variable rate of resistance. Also called a potentiometer or rheostat.

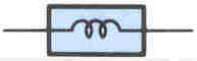


SENSOR (Thermistor)
A resistor which varles its resistance with temperature.

(Reed Switch Type)

SENSOR, SPEED
Uses magnetic impulses to open and close a switch to create a signal for activation of other components.

SHORT PIN
Used to provide an unbroken connection within a junction block.



SOLENOID
An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.

SPEAKER
An electromechanical device which creates sound waves from current flow.

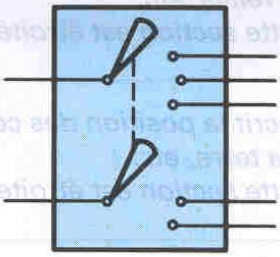
SWITCH, MANUAL

Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.

1. NORMALLY OPEN

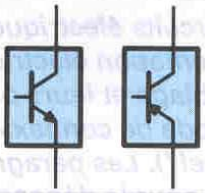
2. NORMALLY CLOSED

SWITCH, DOUBLE THROW
A switch which continuously passes current through one set of contacts or the other.



SWITCH, IGNITION
A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.

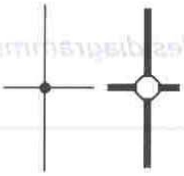
SWITCH, WIPER PARK
Automatically returns wipers to the stop position when the wiper switch is turned off.



TRANSISTOR
A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at "base".

WIRES

(1) NOT CONNECTED

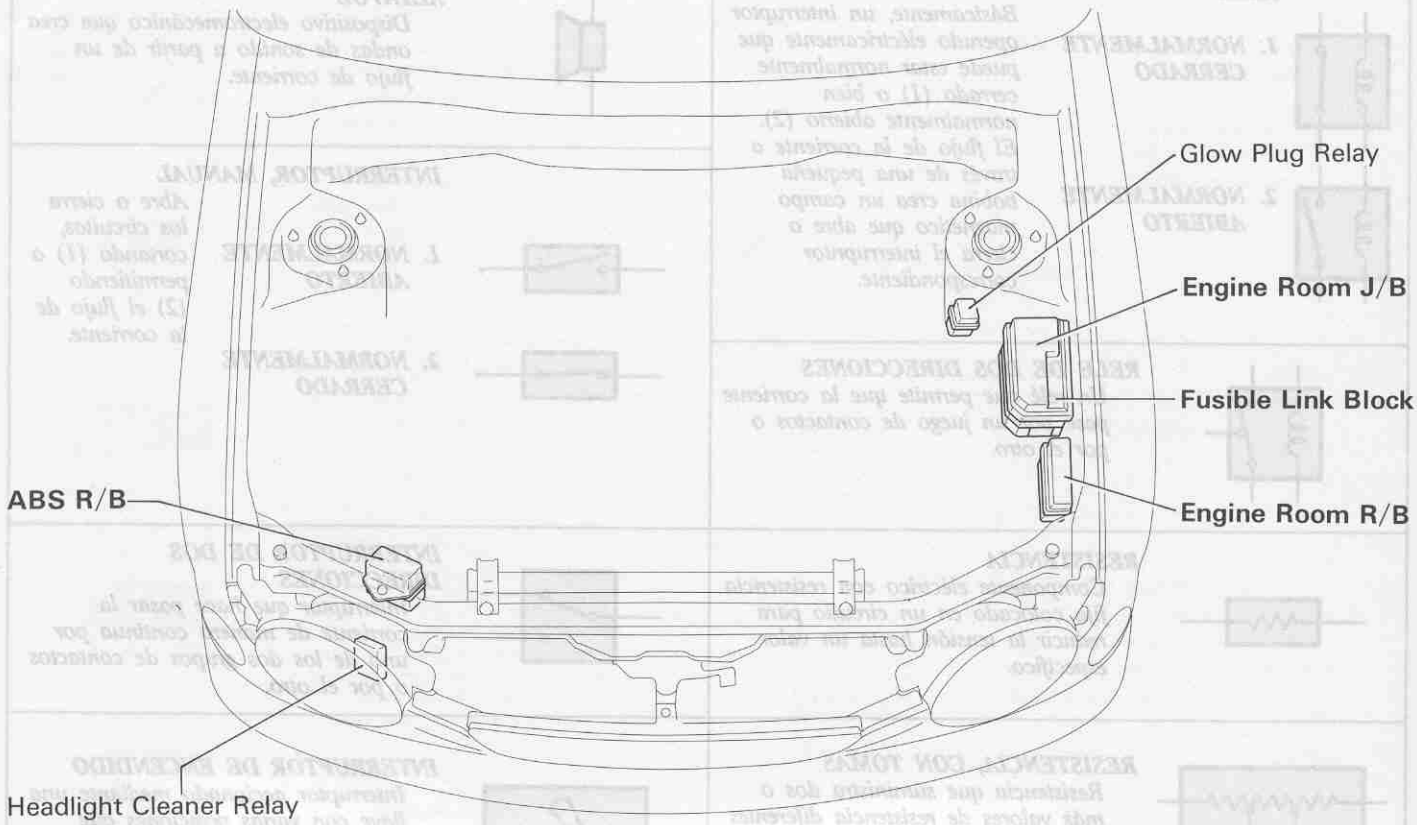


(2) SPLICED

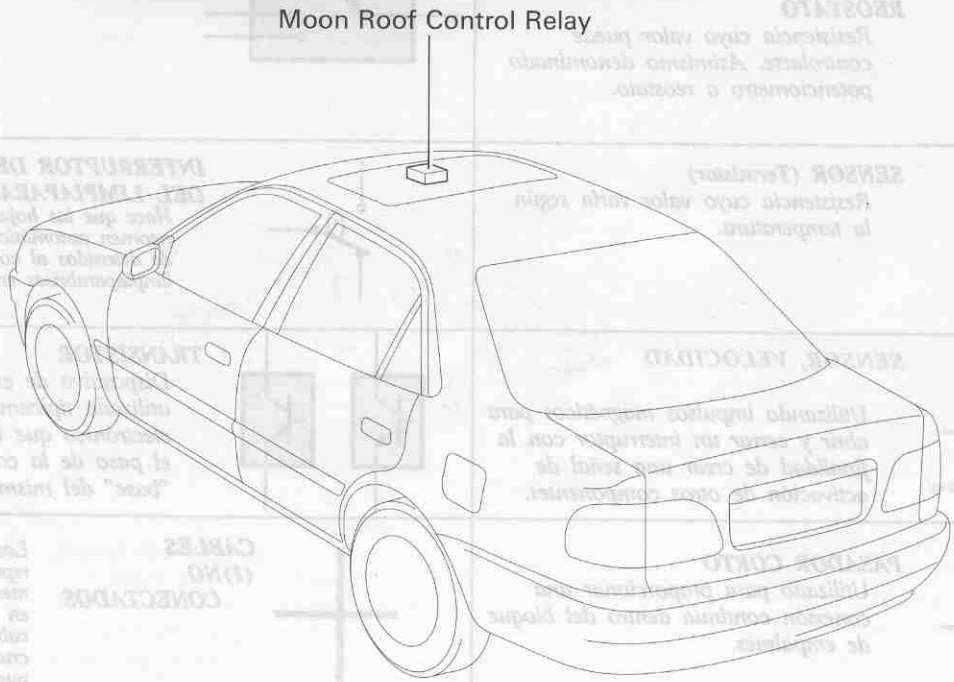
Wires are always drawn as straight lines on wiring diagrams. Crossed wires (1) without a black dot at the junction are not joined; crossed wires (2) with a black dot or octagonal (◯) mark at the junction are spliced (joined) connections.

F RELAY LOCATIONS

[Engine Compartment]

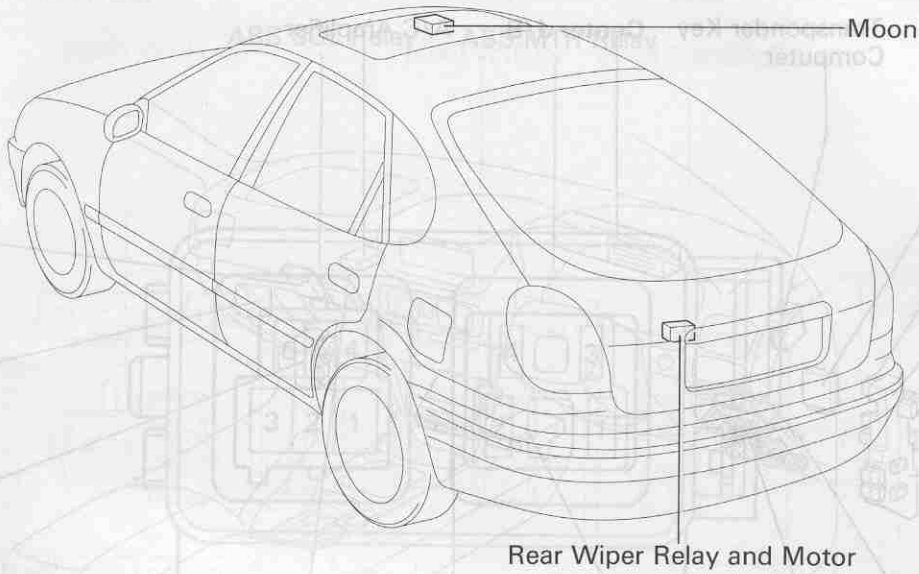


[Body]
(S/D)

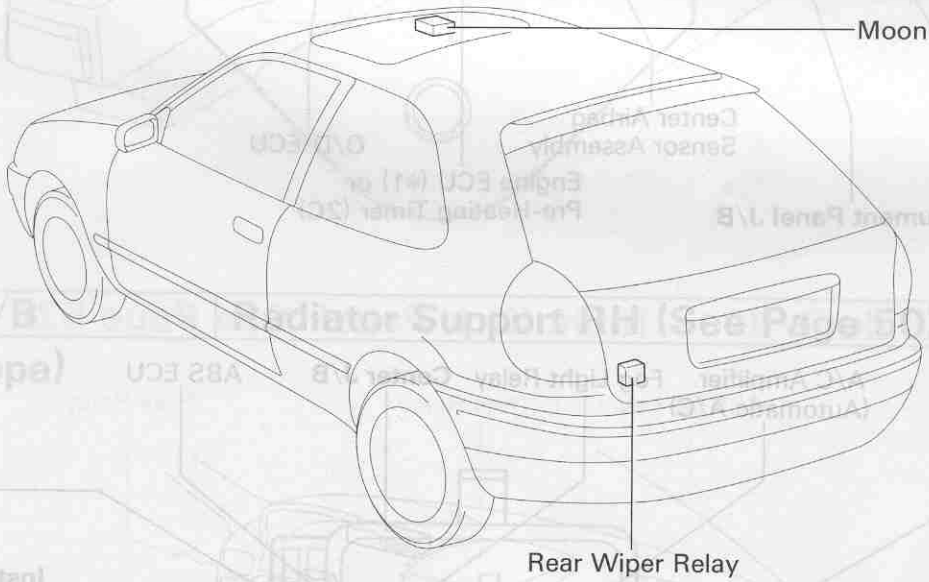


[Body]

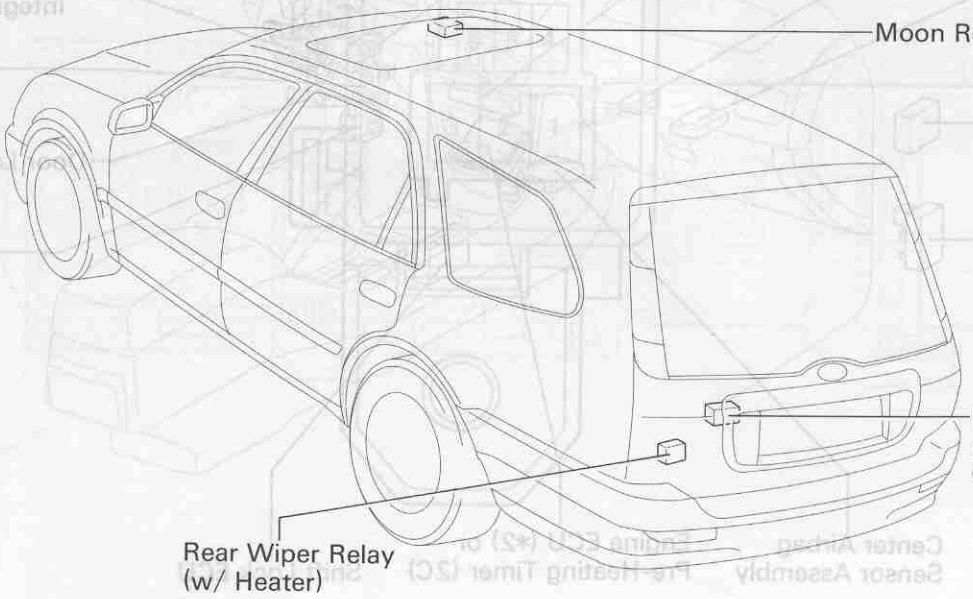
(L/B)


Moon Roof Control Relay
Rear Wiper Relay and Motor

(H/B)


Moon Roof Control Relay
Rear Wiper Relay

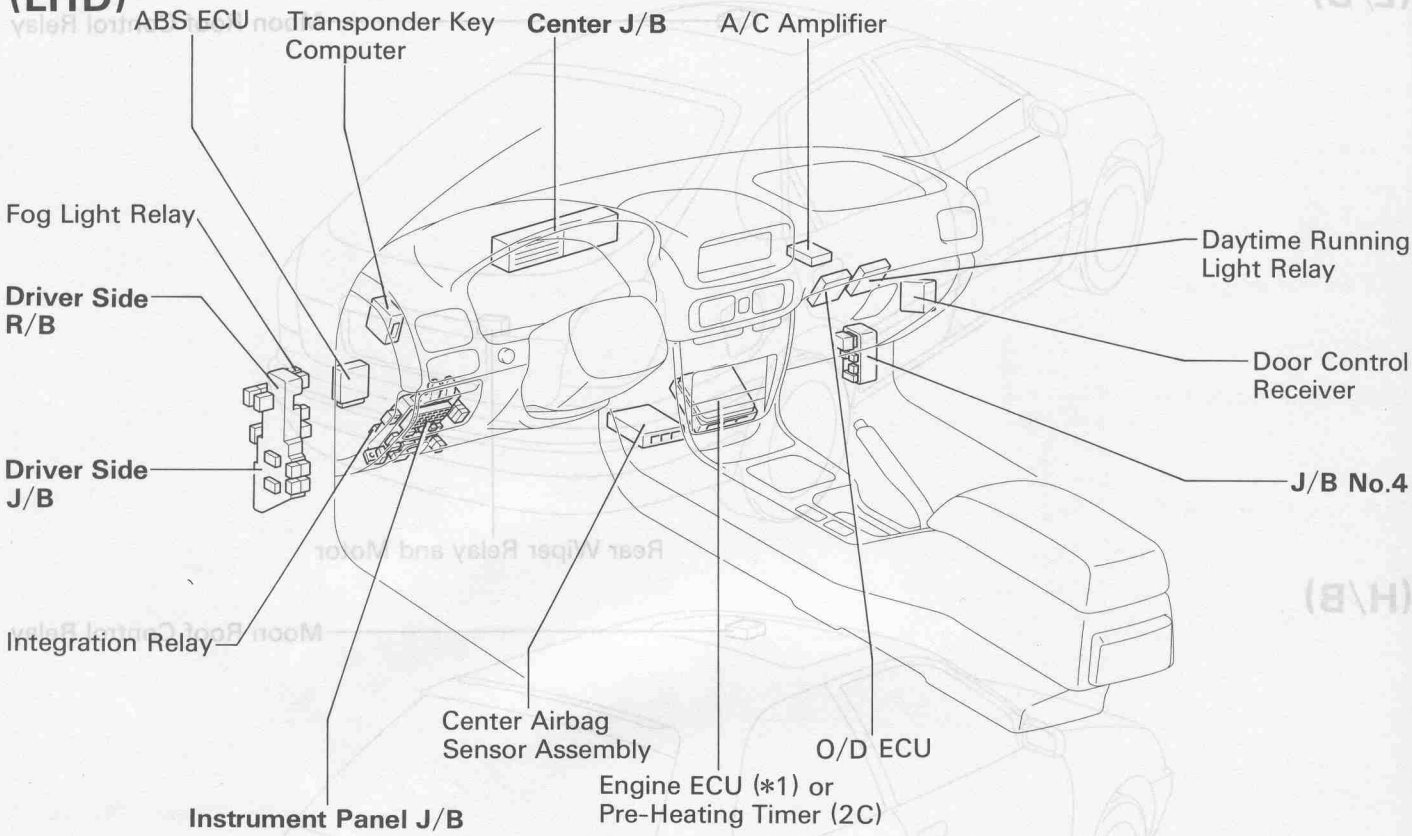
(W/G)


Moon Roof Control Relay
Rear Wiper Relay
and Motor
(w/o Heater)
Rear Wiper Relay
(w/ Heater)

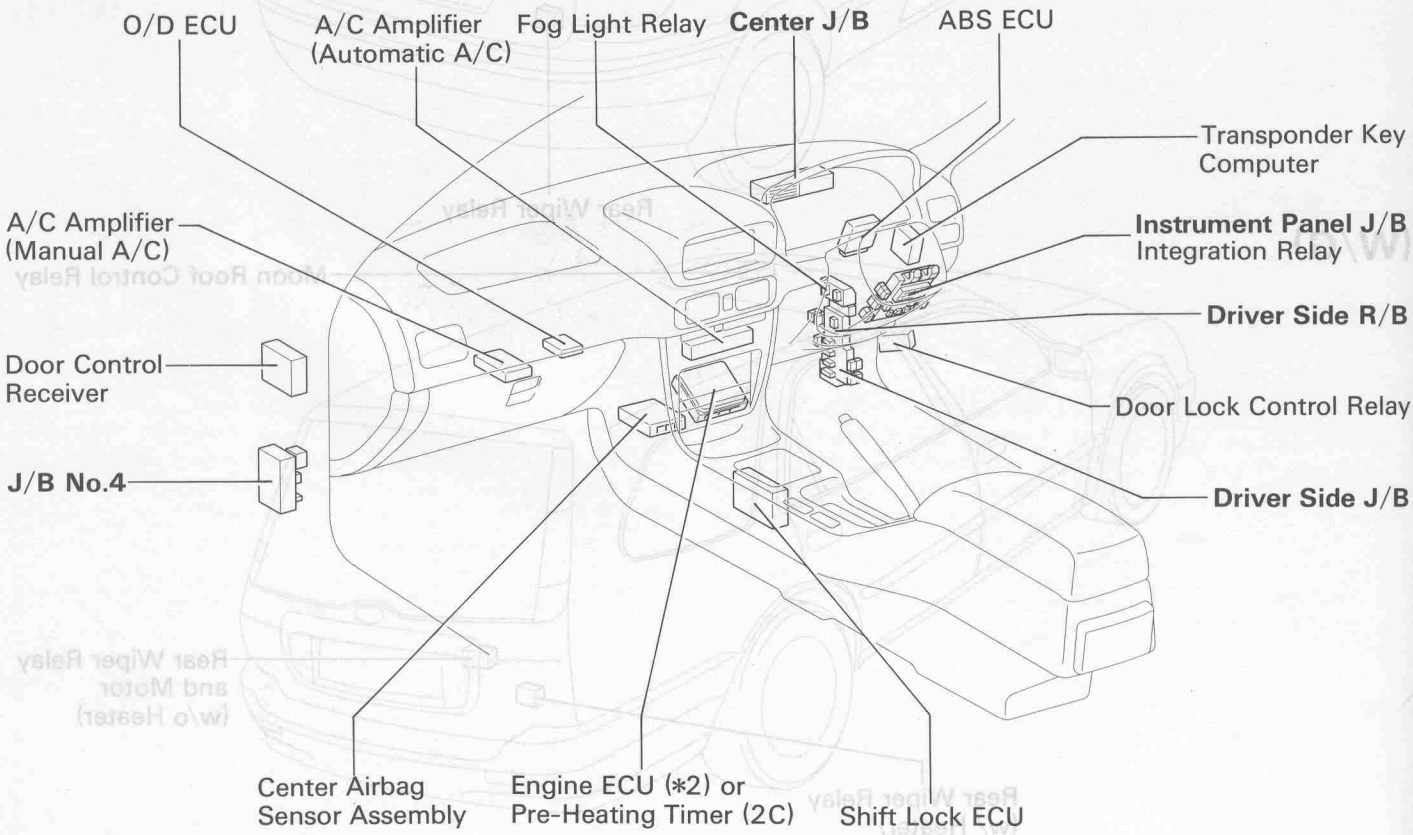
[Instrument Panel]

*1:7A-FE, 4A-FE, 4E-FE, 2C-E
*2:5A-FE, 4A-FE, 4E-FE, 2C-E

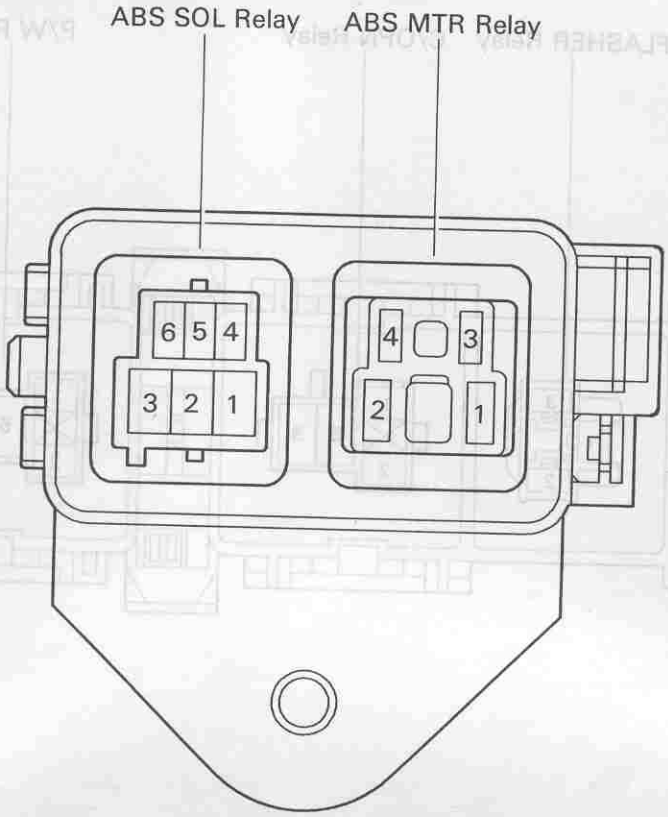
(LHD)



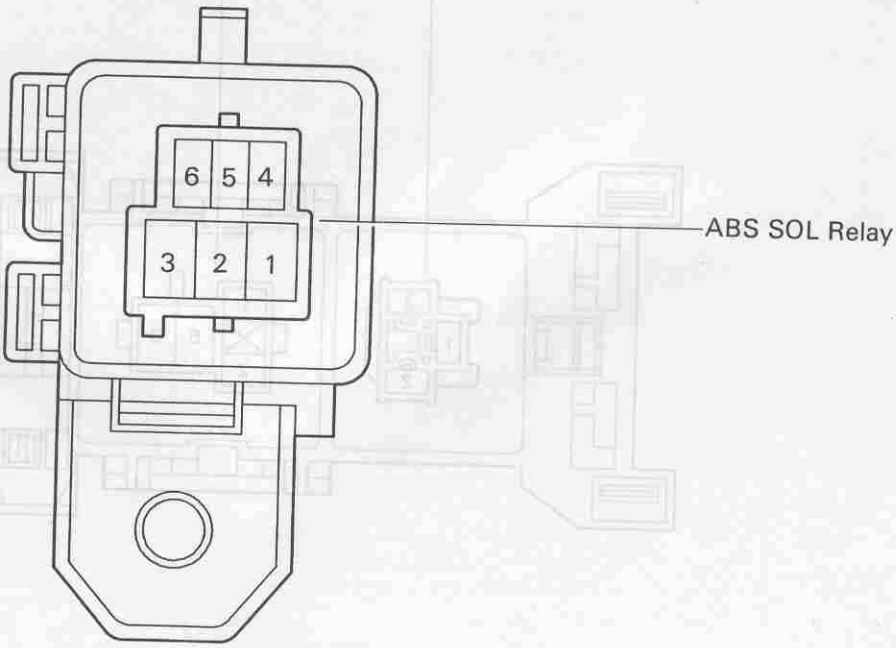
(RHD)



⑥: ABS R/B (Europe)	Radiator Support RH (See Page 50)



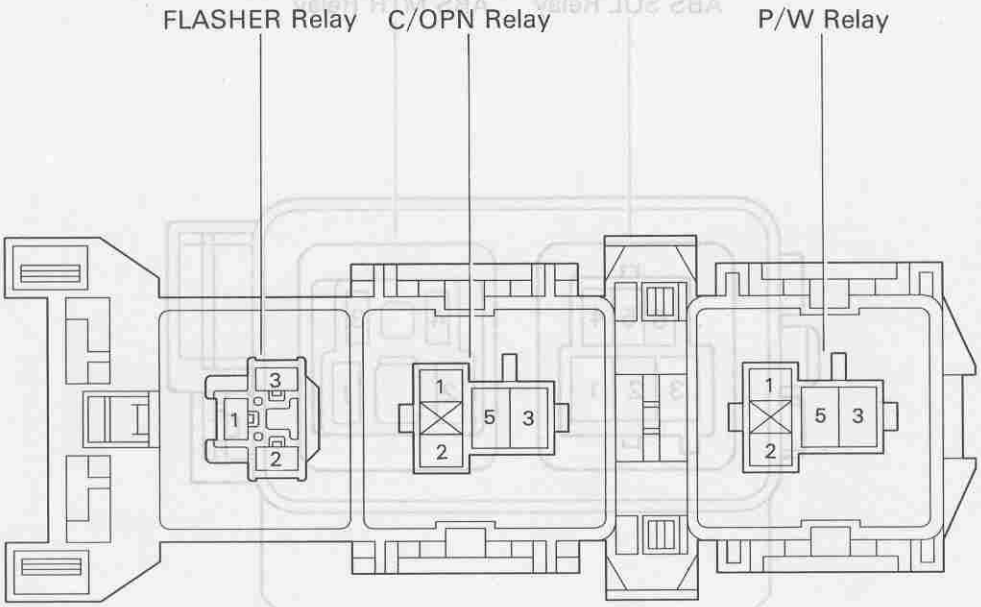
⑥: ABS R/B (Except Europe)	Radiator Support RH (See Page 50)



F RELAY LOCATIONS

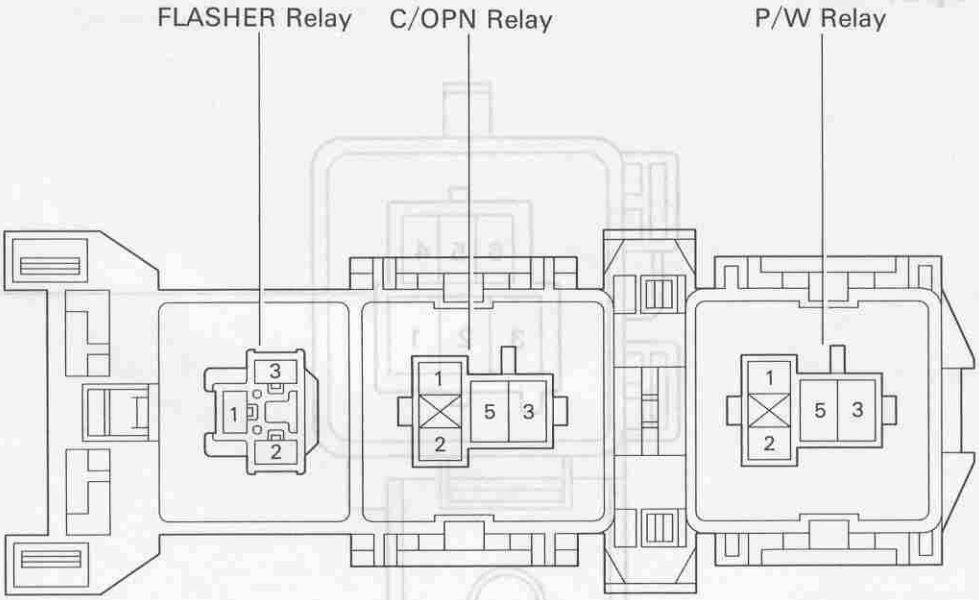
①: Driver Side R/B	Left Kick Panel (See Page 52)

(LHD)



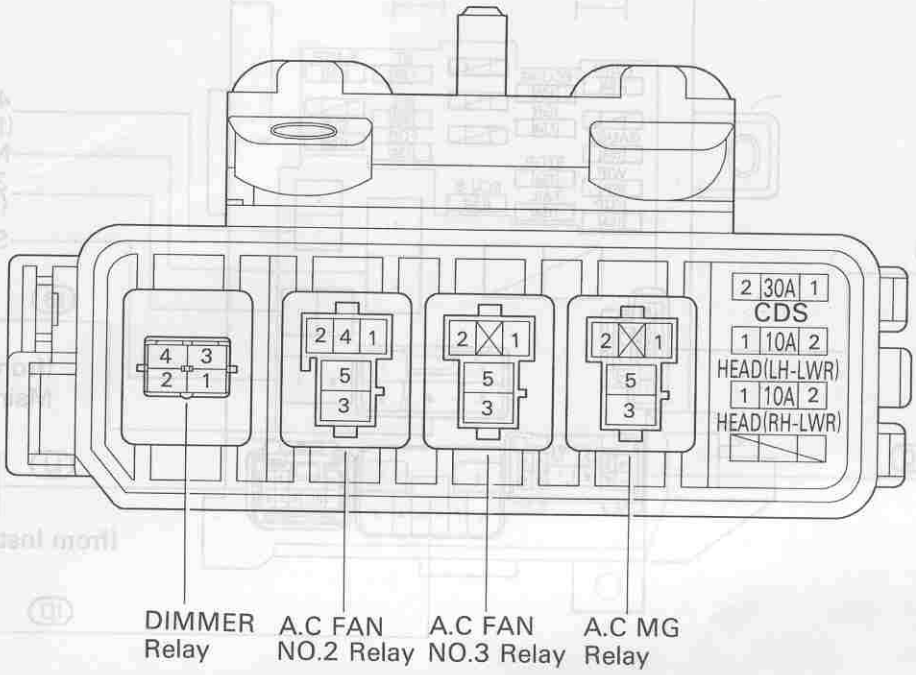
①: Driver Side R/B	Right Kick Panel (See Page 52)

(RHD)



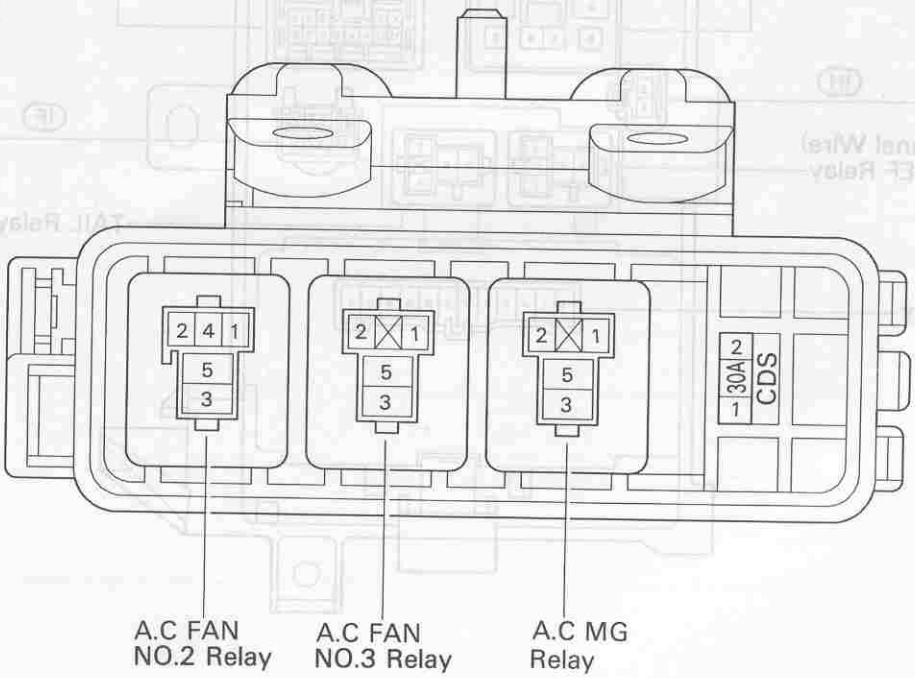
⑤: Engine Room R/B | Engine Compartment Left (See Page 50)

(w/ Daytime Running Light)



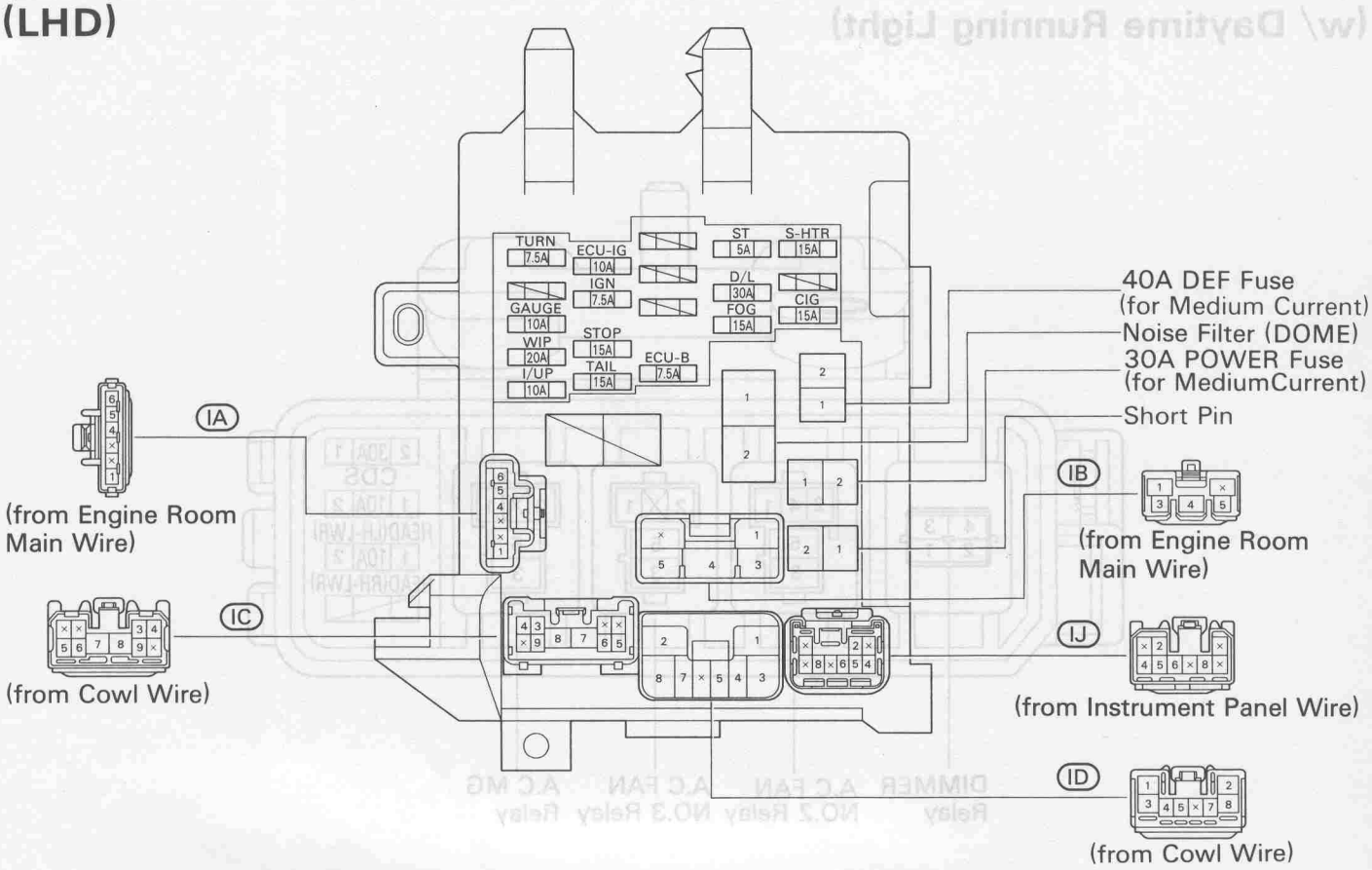
⑤: Engine Room R/B | Engine Compartment Left (See Page 50)

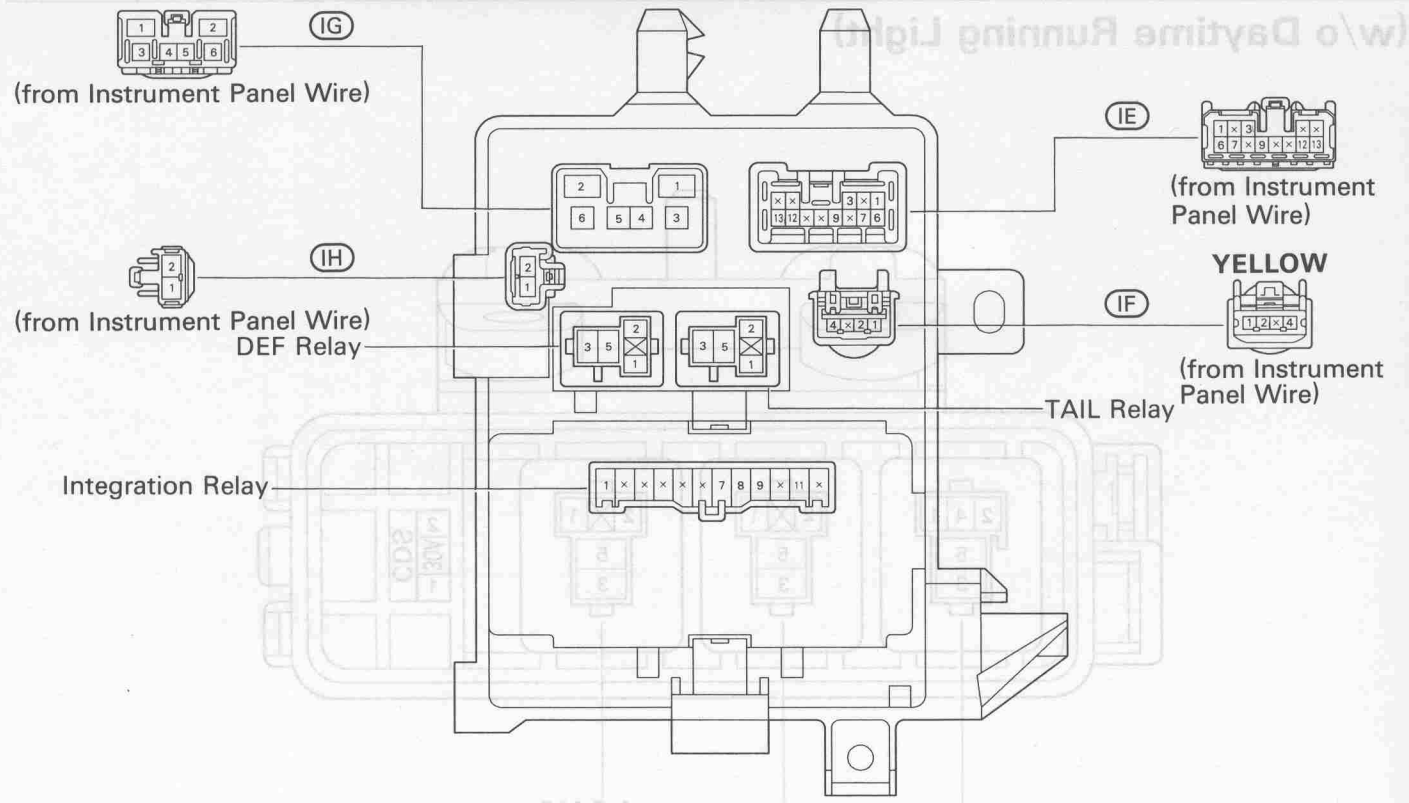
(w/o Daytime Running Light)



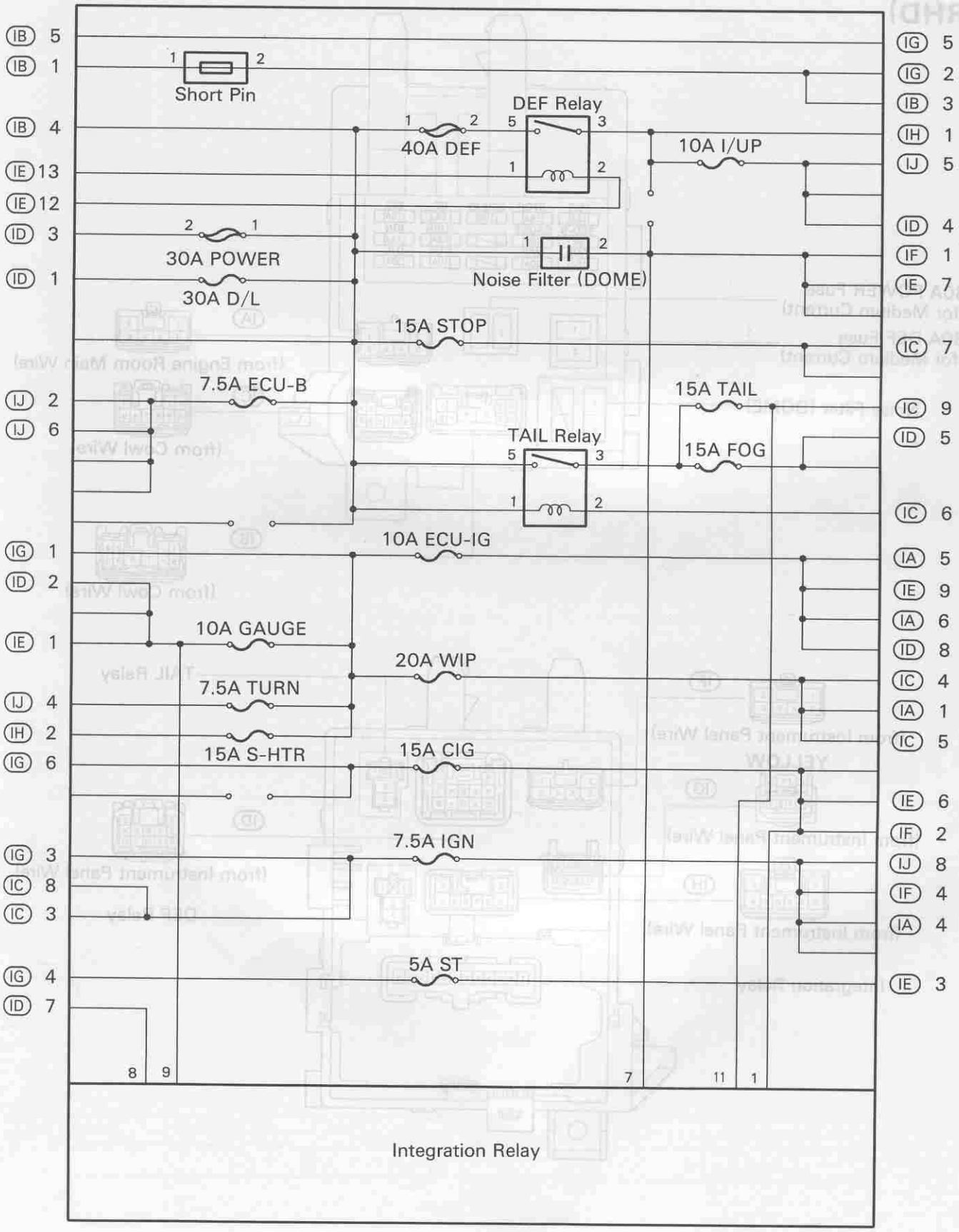
⬭: Instrument Panel J/B | Lower Finish Panel (See Page 52)

(LHD)

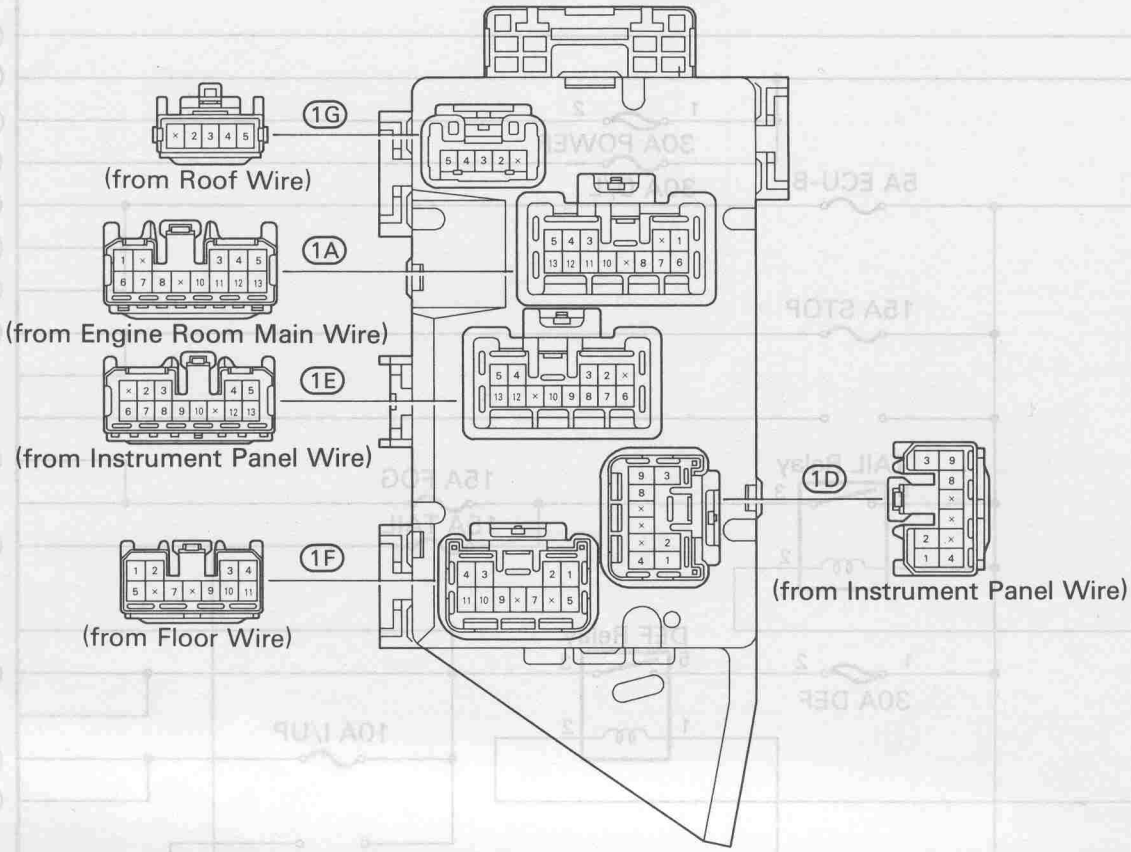


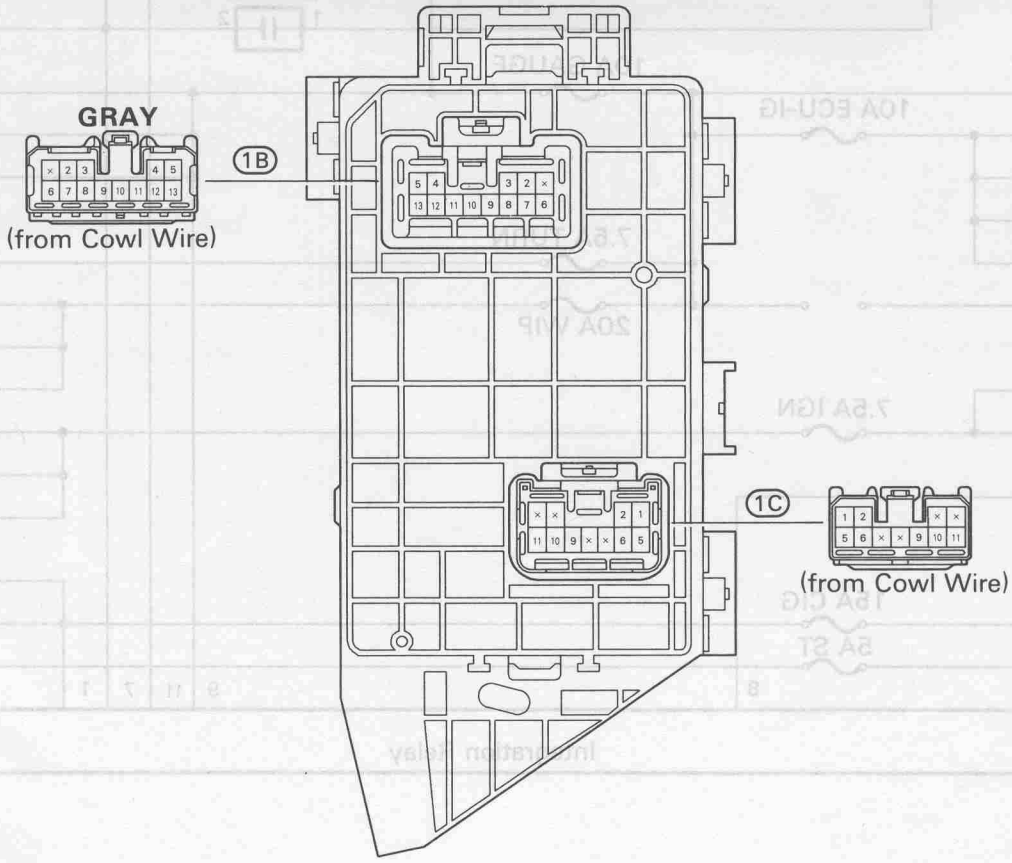


[Instrument Panel J/B Inner Circuit] (LHD)

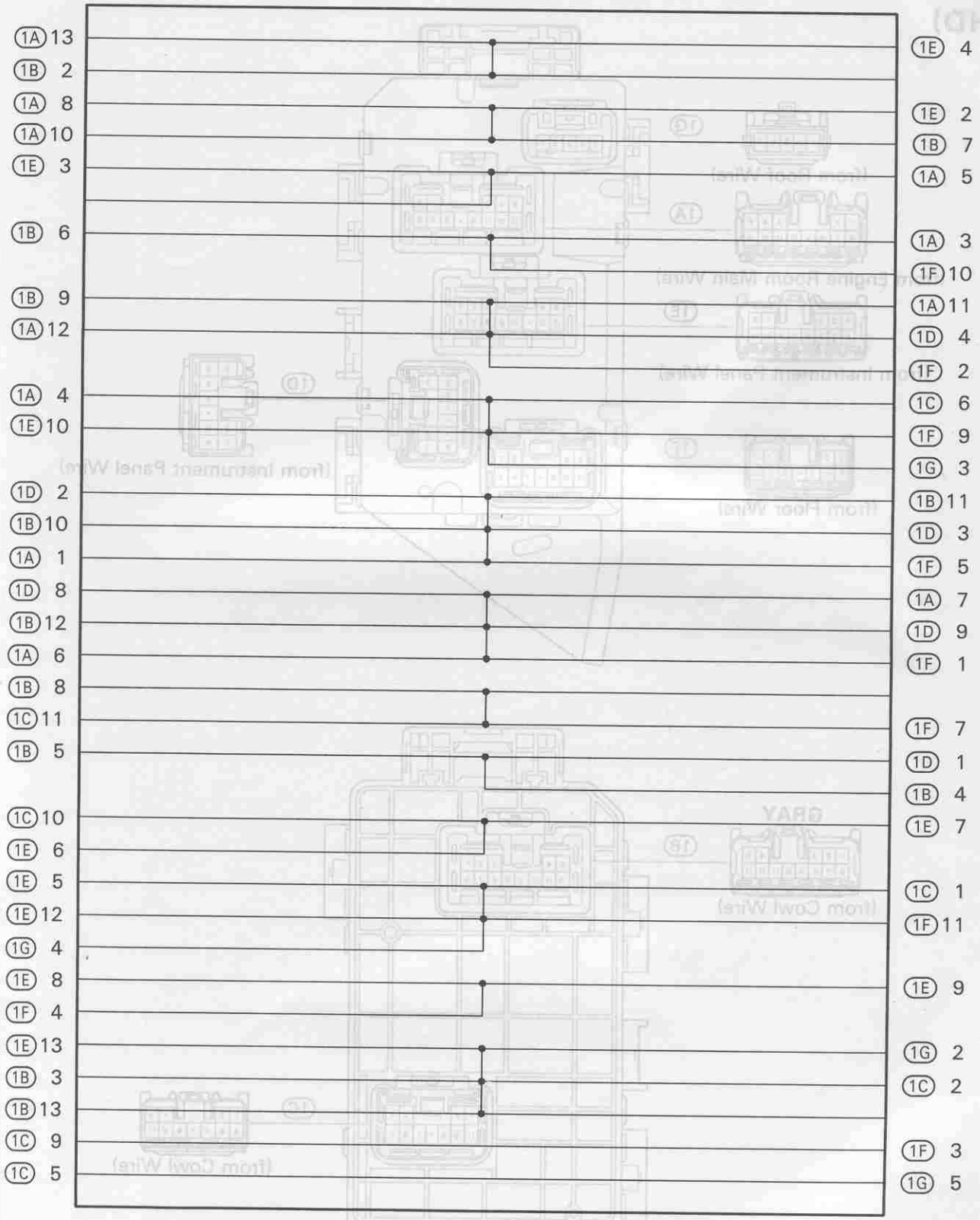


⬭: Driver Side J/B (LHD) | Left Kick Panel (See Page 52)





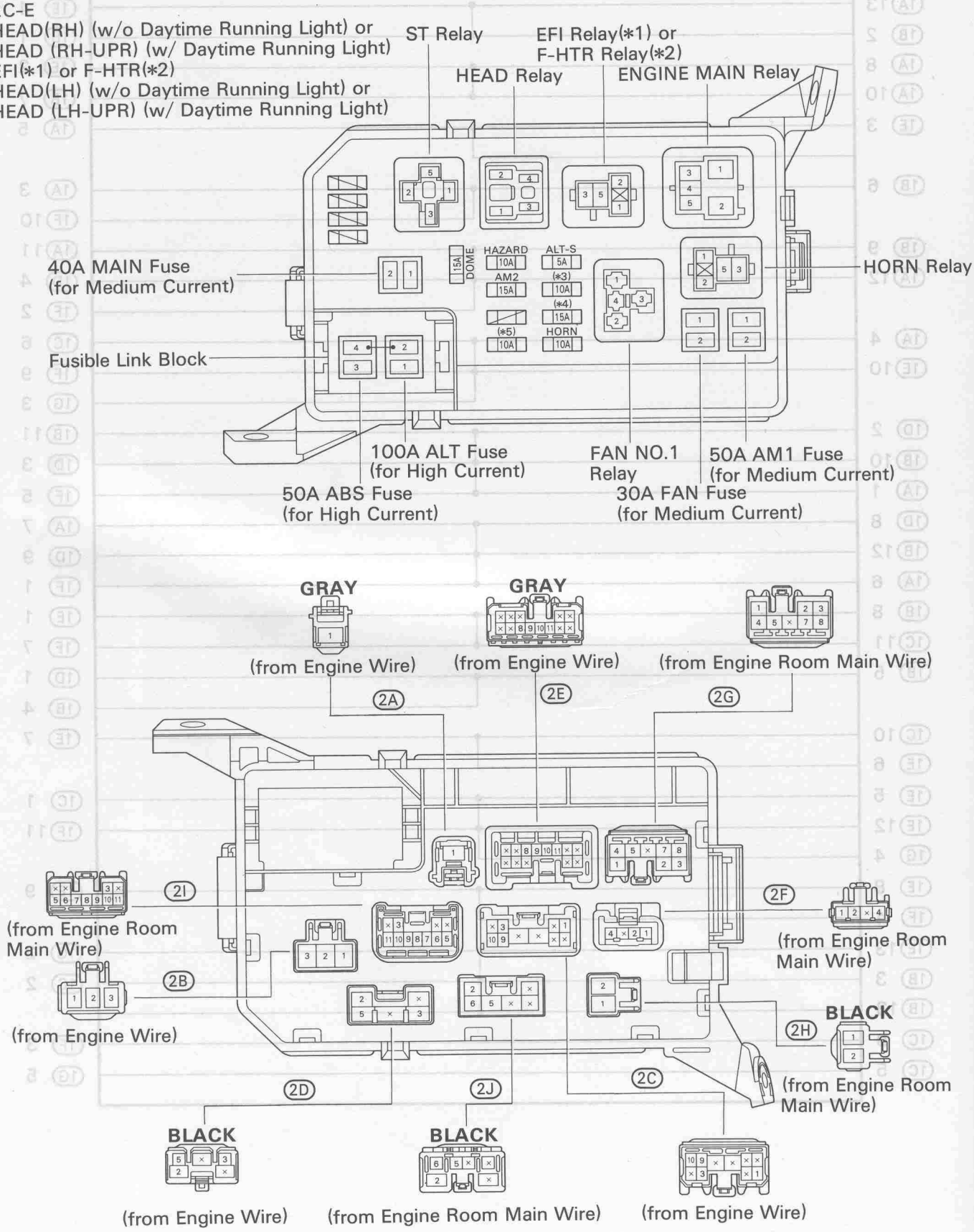
[Driver Side J/B Inner Circuit] (LHD)



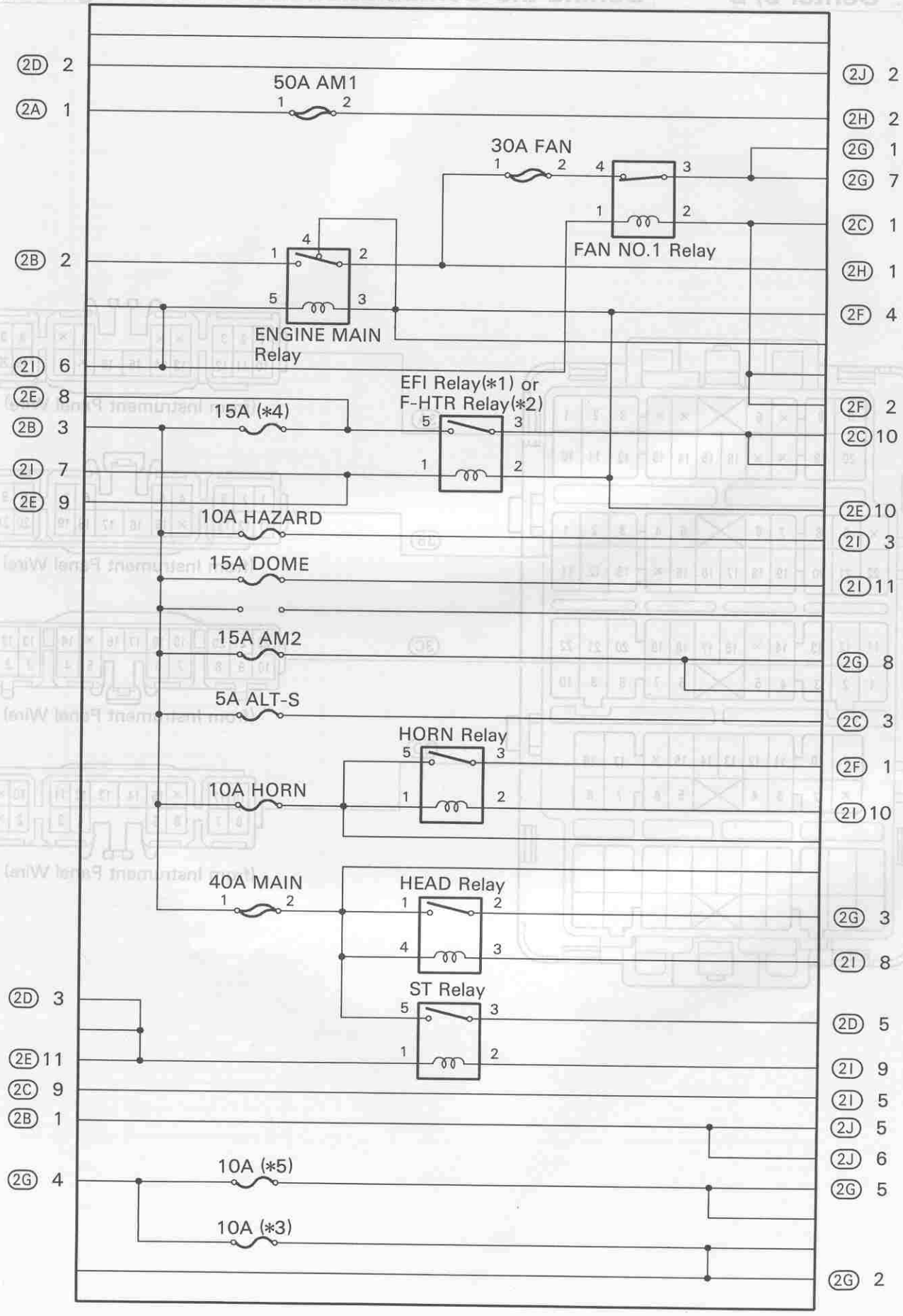
F RELAY LOCATIONS

⬭: Engine Room J/B | Engine Compartment Left (See Page 50)

*1:7A-FE, 5A-FE, 4A-FE, 4E-FE
*2:2C-E
*3:HEAD(RH) (w/o Daytime Running Light) or HEAD (RH-UPR) (w/ Daytime Running Light)
*4:EFI(*1) or F-HTR(*2)
*5:HEAD(LH) (w/o Daytime Running Light) or HEAD (LH-UPR) (w/ Daytime Running Light)

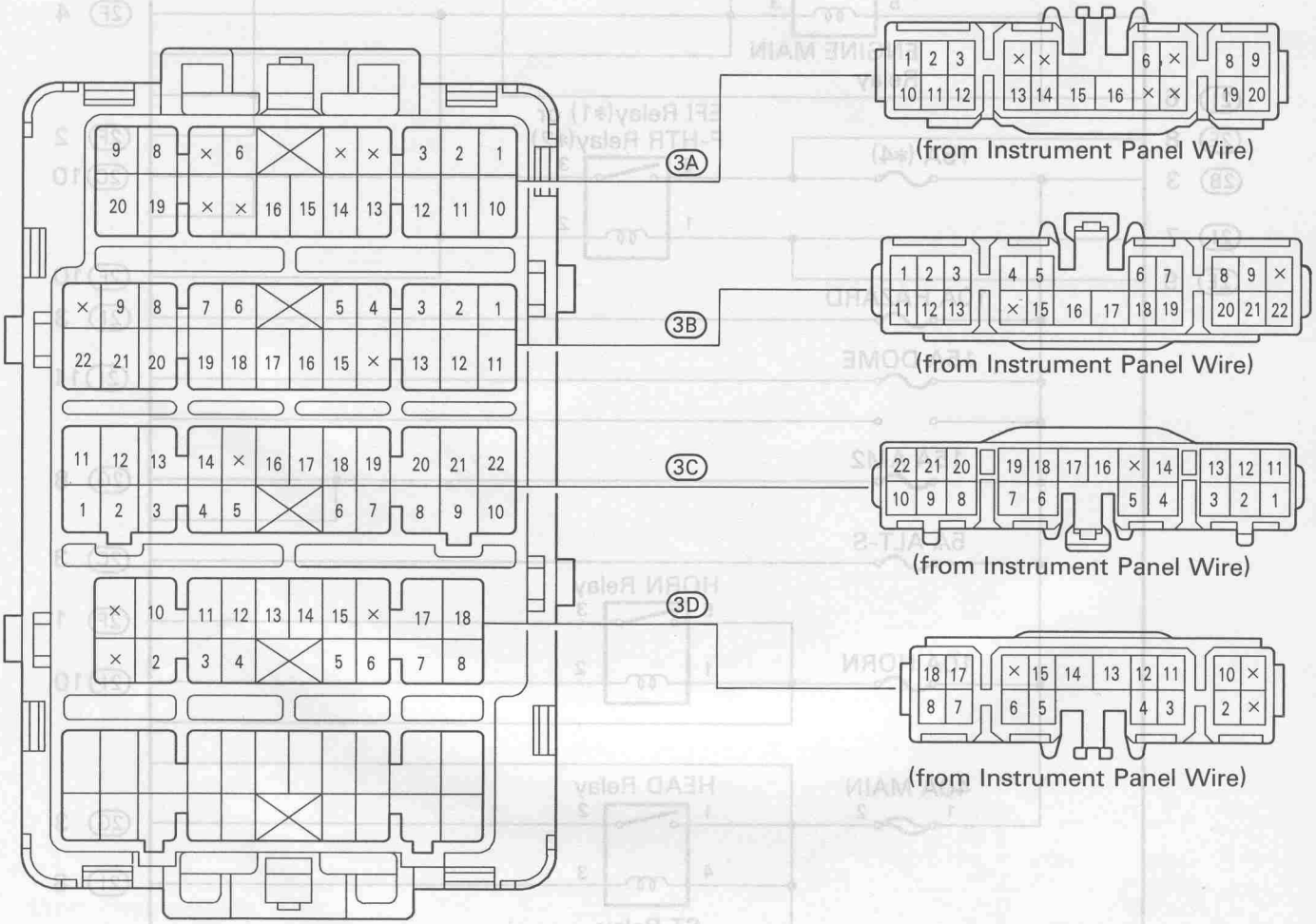


[Engine Room J/B Inner Circuit]

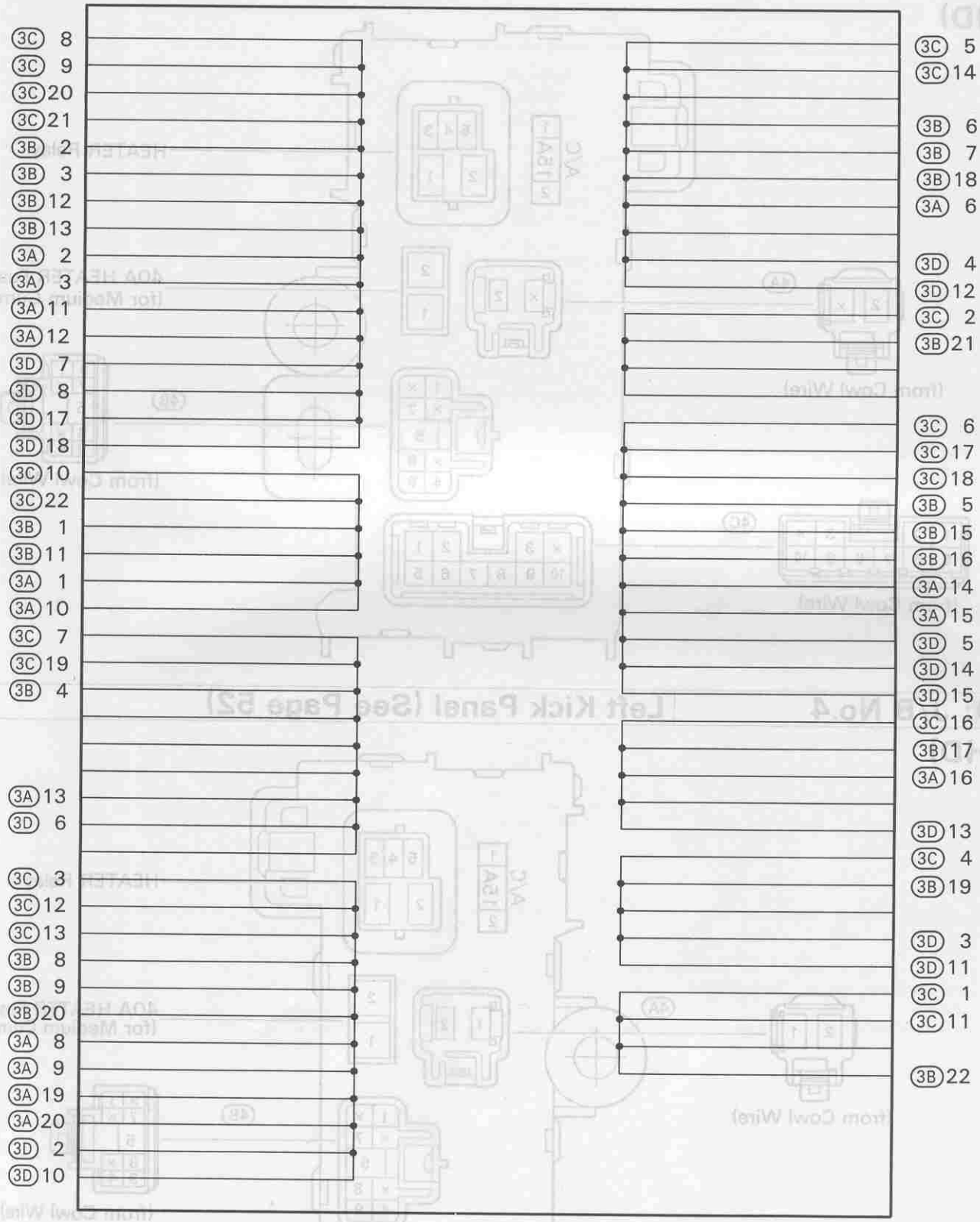


F RELAY LOCATIONS

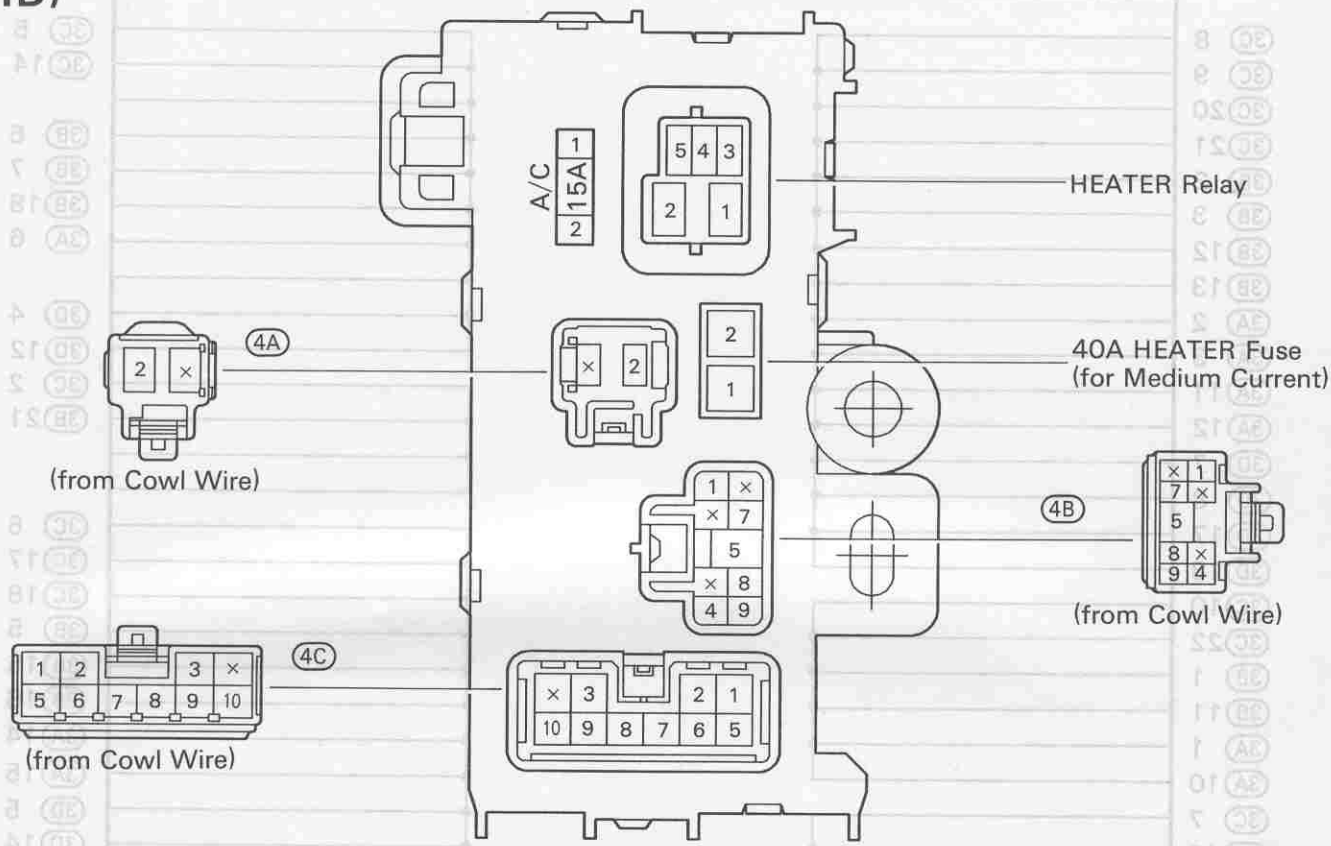
⬭: Center J/B	Behind the Combination Meter (See Page 52)



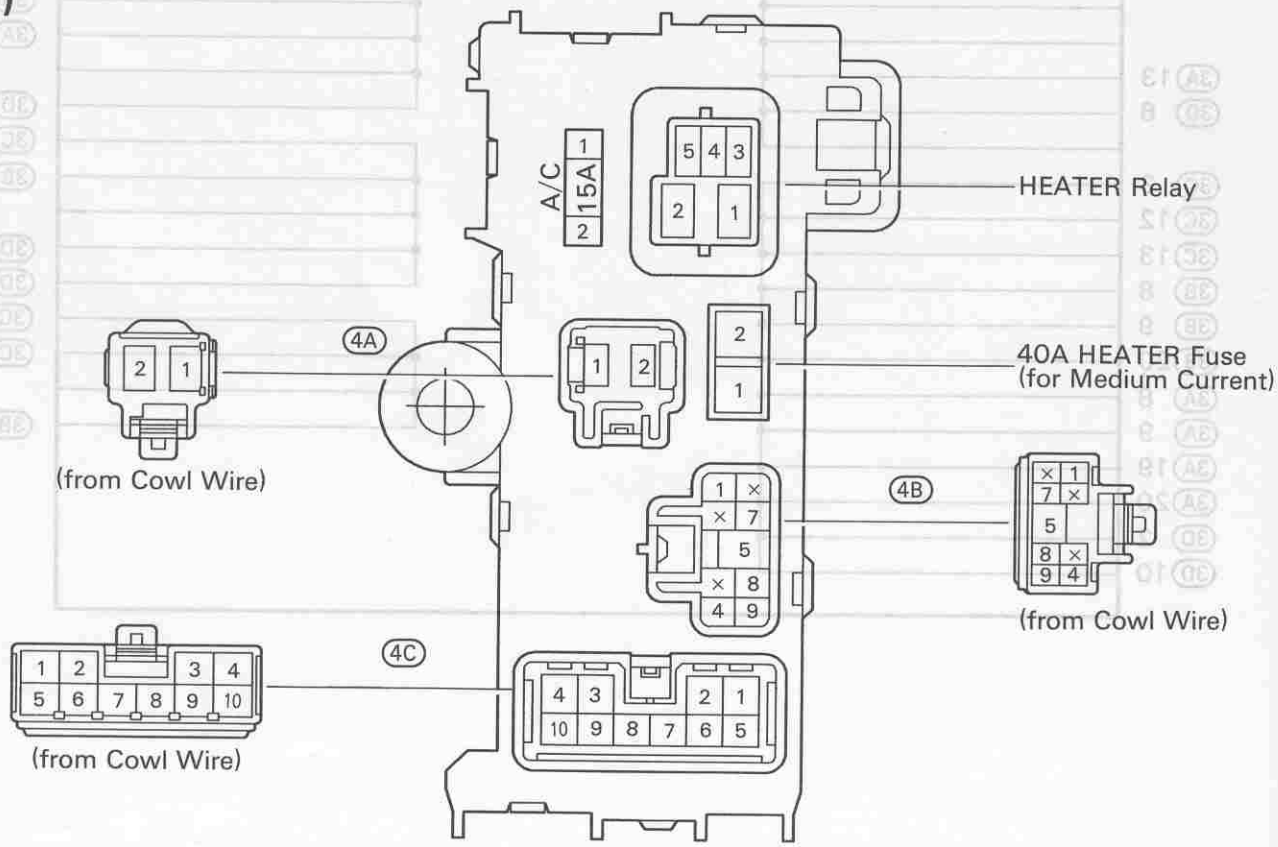
[Center J/B Inner Circuit]



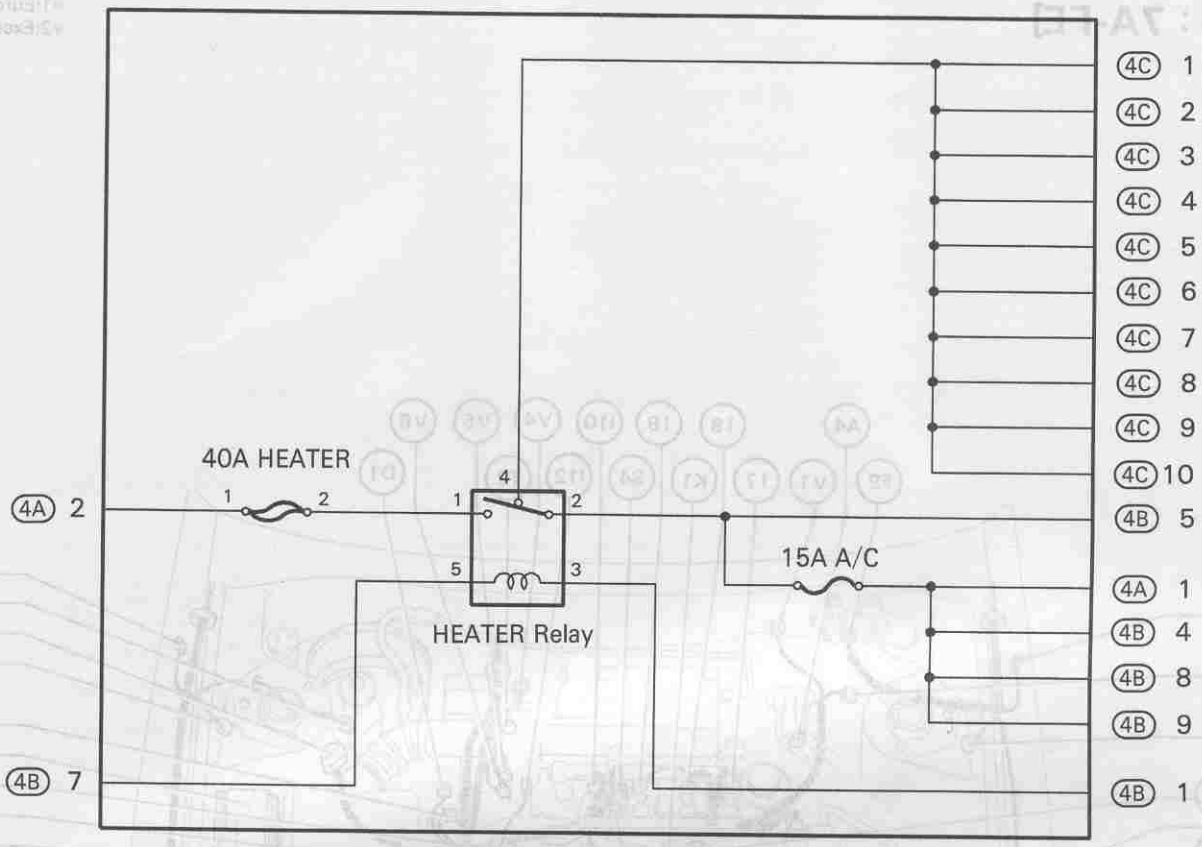
⬭: J/B No.4 (LHD) — Right Kick Panel (See Page 52)



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



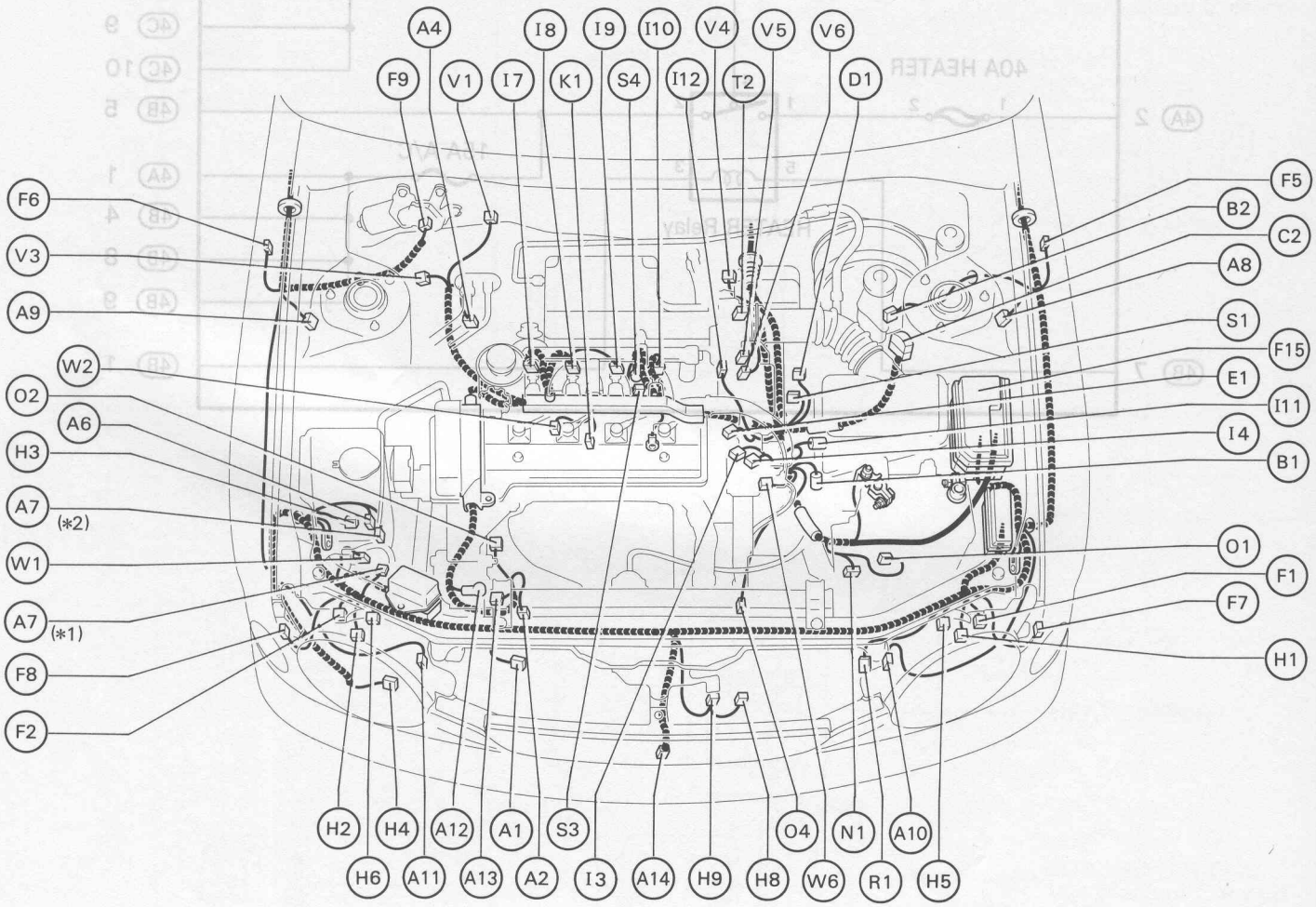
[J/B No.4 Inner Circuit]



Position of Parts in Engine Compartment

[LHD : 7A-FE]

*1:Europe
*2:Except Europe



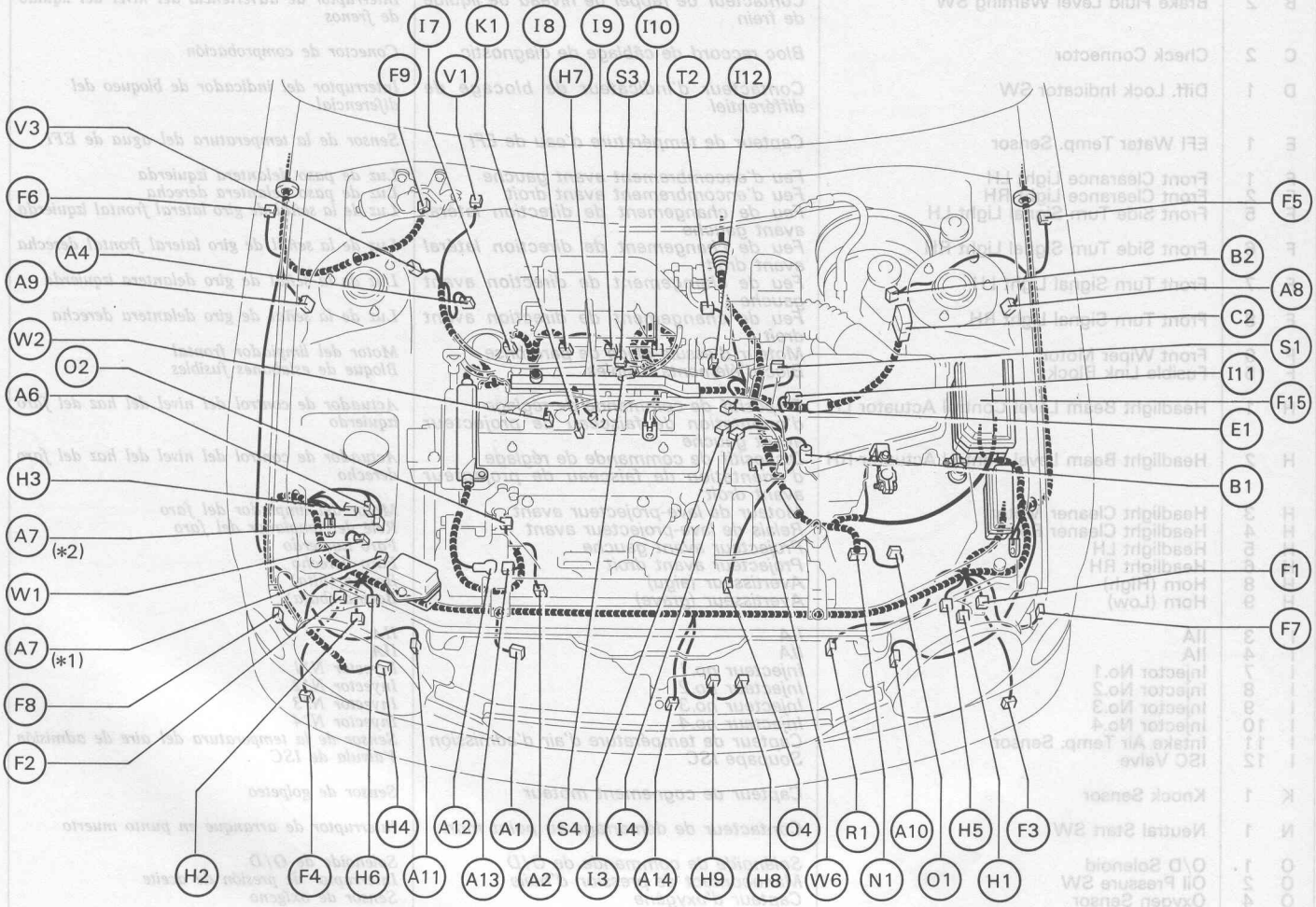
Position of Parts in Engine Compartment

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*	*Inyector N.°1*
I 8	Injector No.2	*Injecteur no.2*	*Inyector N.°2*
I 9	Injector No.3	*Injecteur no.3*	*Inyector N.°3*
I 10	Injector No.4	*Injecteur no.4*	*Inyector N.°4*
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*	*Solenoide 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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*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.°1)*
V 6	VSV (Diff. Lock No.2)	*VSV (blocage de différentiel no.2)*	*VSV (bloqueo del diferencial N.°2)*
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

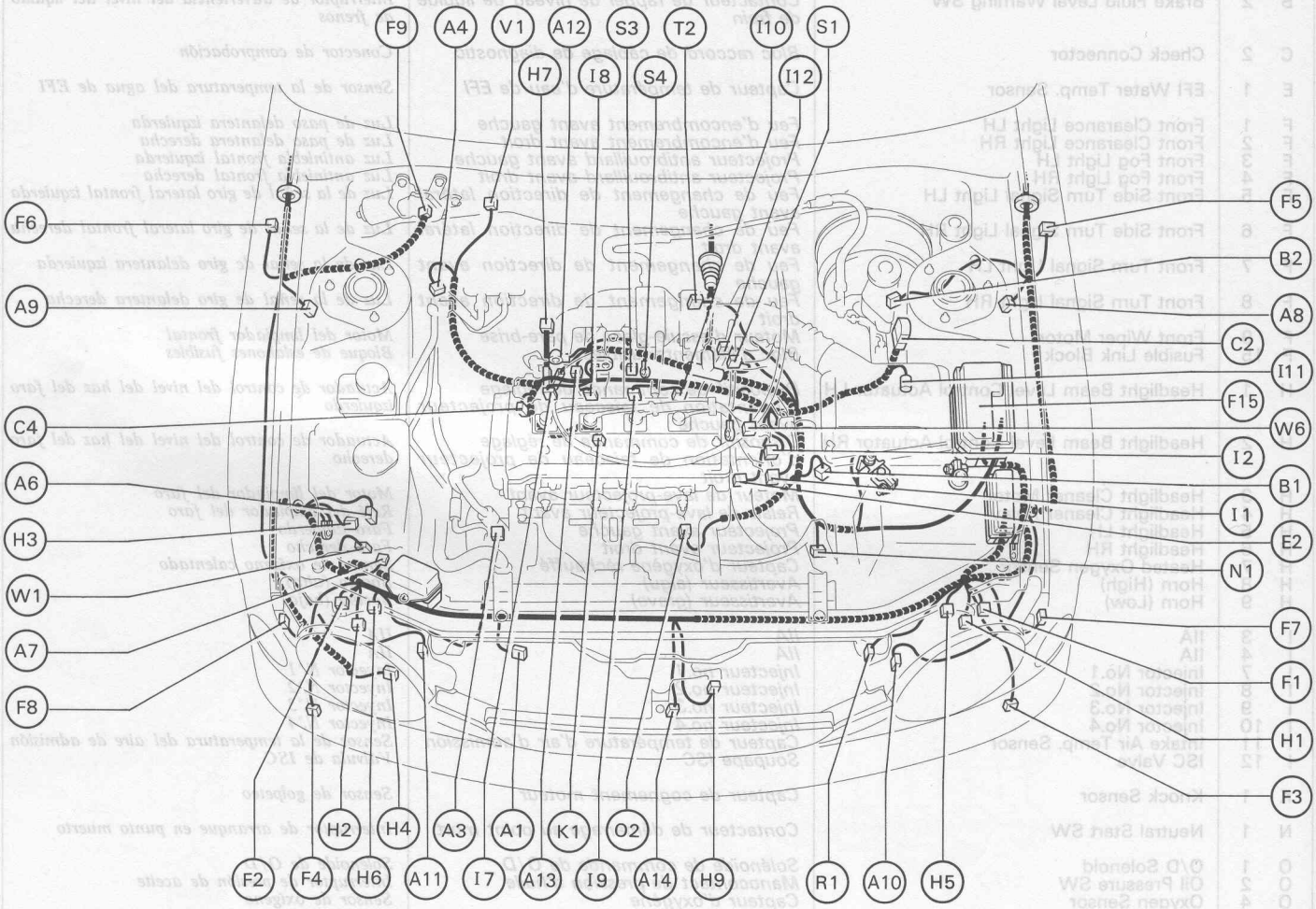


Position of Parts in Engine Compartment

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*	*Inyector N.°1*
I 8	Injector No.2	*Injecteur no.2*	*Inyector N.°2*
I 9	Injector No.3	*Injecteur no.3*	*Inyector N.°3*
I 10	Injector No.4	*Injecteur no.4*	*Inyector N.°4*
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*	*Solenoide 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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*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]

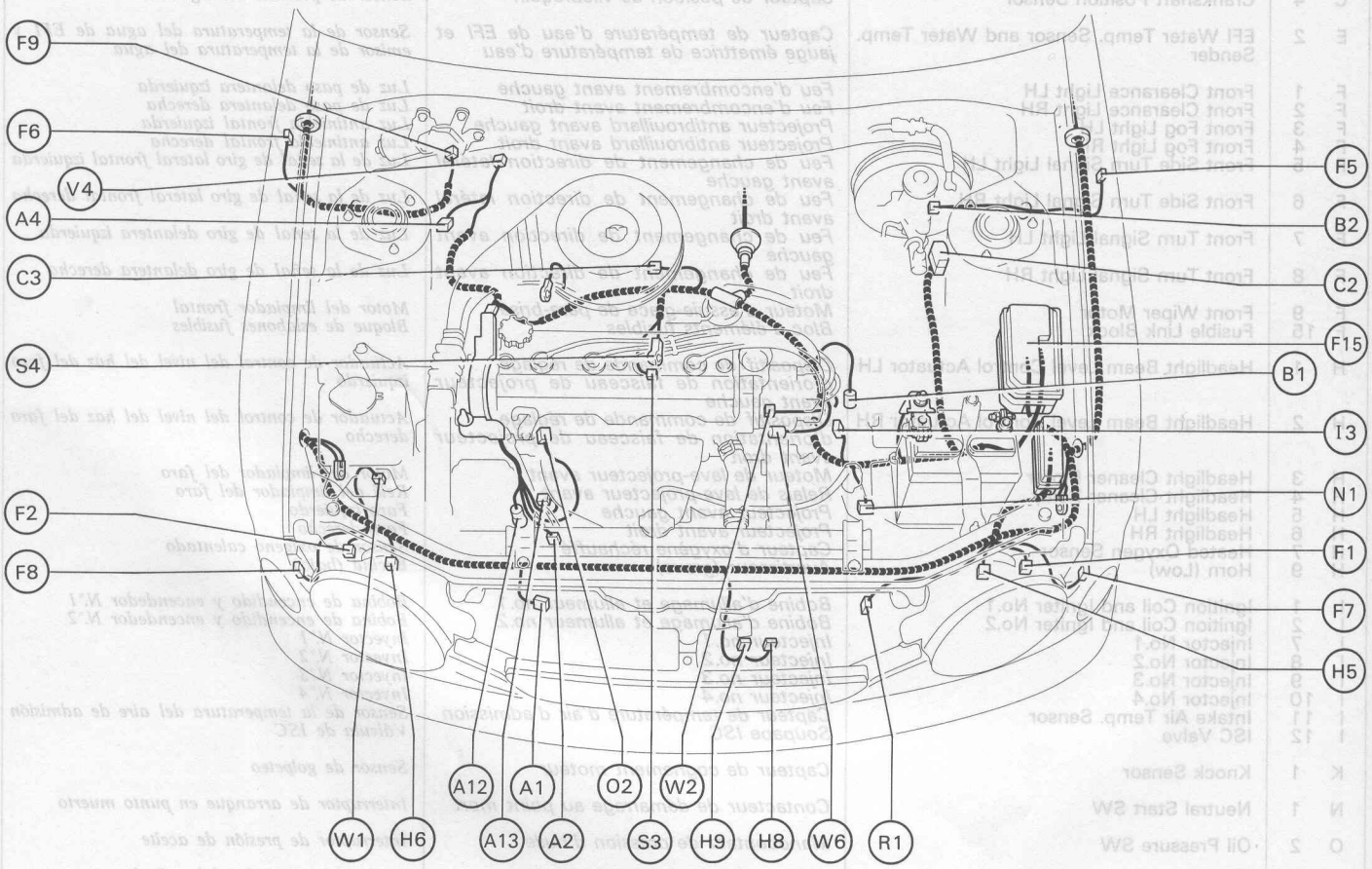


Position of Parts in Engine Compartment

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.°1*
I 2	Ignition Coil and Igniter No.2	*Bobine d'allumage et allumeur no.2*	*Bobina de encendido y encendedor N.°2*
I 7	Injector No.1	*Injecteur no.1*	*Inyector N.°1*
I 8	Injector No.2	*Injecteur no.2*	*Inyector N.°2*
I 9	Injector No.3	*Injecteur no.3*	*Inyector N.°3*
I 10	Injector No.4	*Injecteur no.4*	*Inyector N.°4*
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 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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*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]

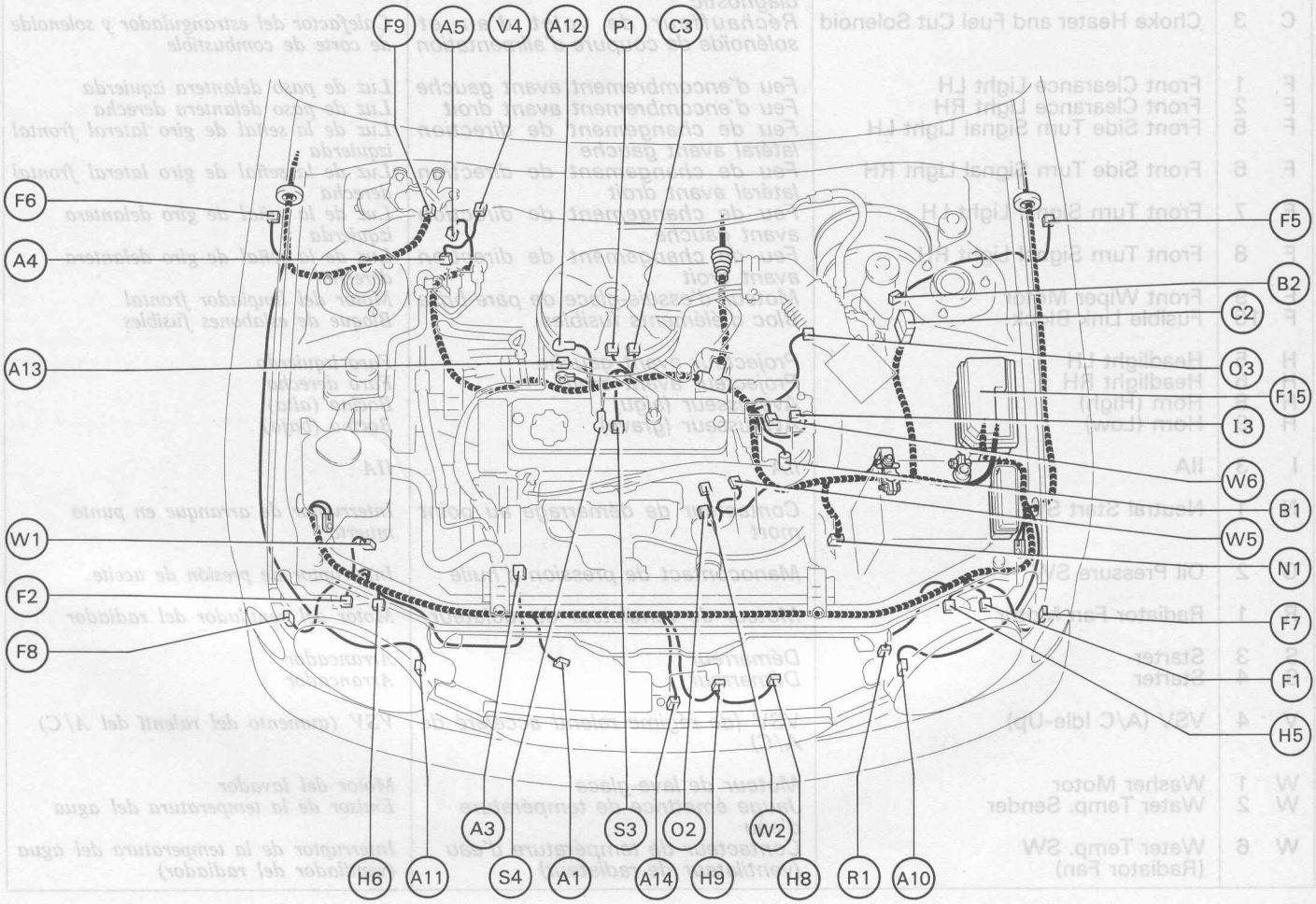


Position of Parts in Engine Compartment

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	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*
R 1	Radiator Fan Motor	*Moteur de ventilateur de radiateur*	*Motor del ventilador del radiador*
S 3	Starter	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*Arrancador*
V 4	VSV (A/C Idle-Up)	*VSV (de régime ralenti accéléré de A/C)*	*VSV (aumento del ralentí 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]

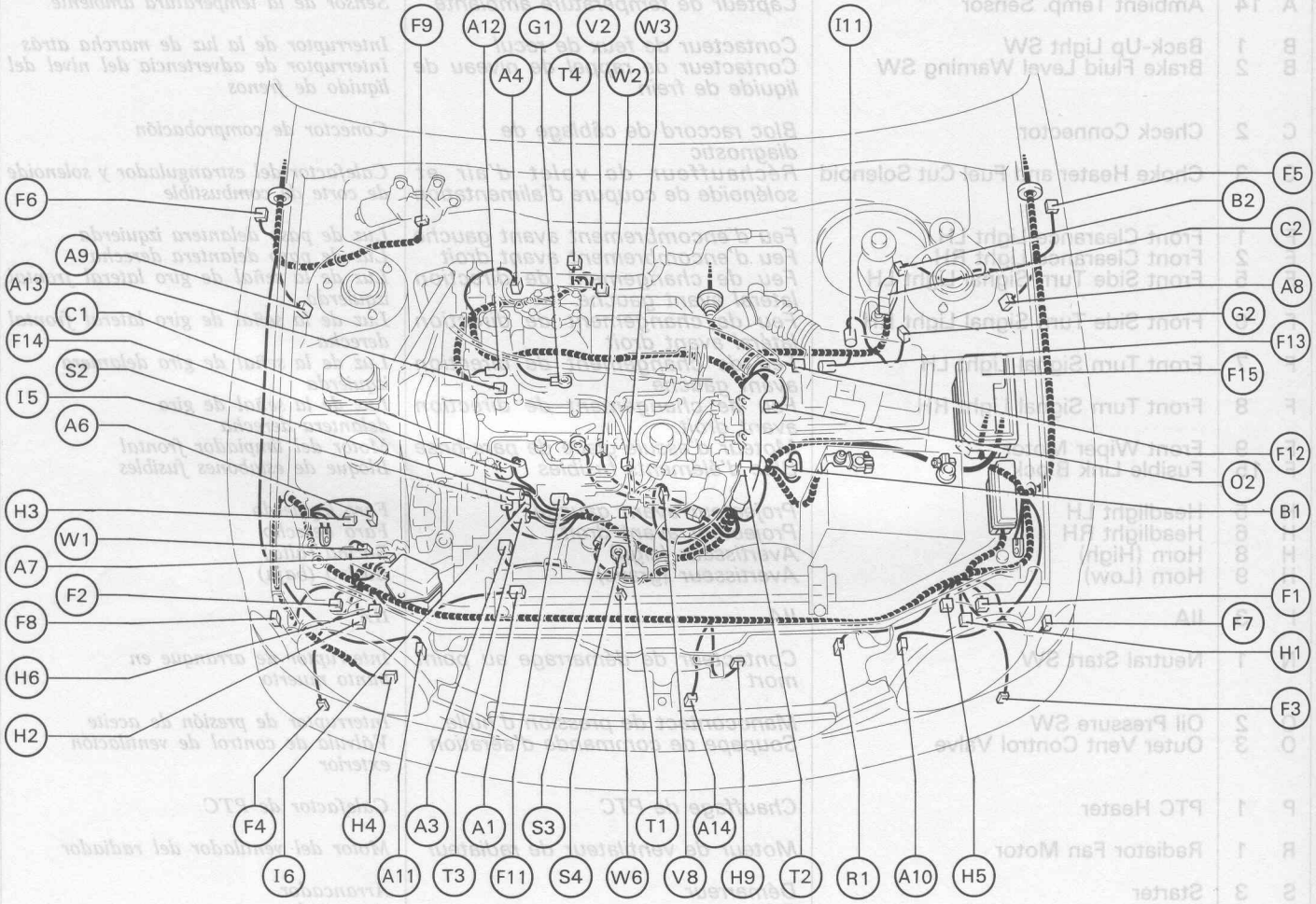


Position of Parts in Engine Compartment

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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*Arrancador*
V 4	VSV (A/C Idle-Up)	*VSV (de régime ralenti accéléré de A/C)*	*VSV (aumento del ralentí 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]

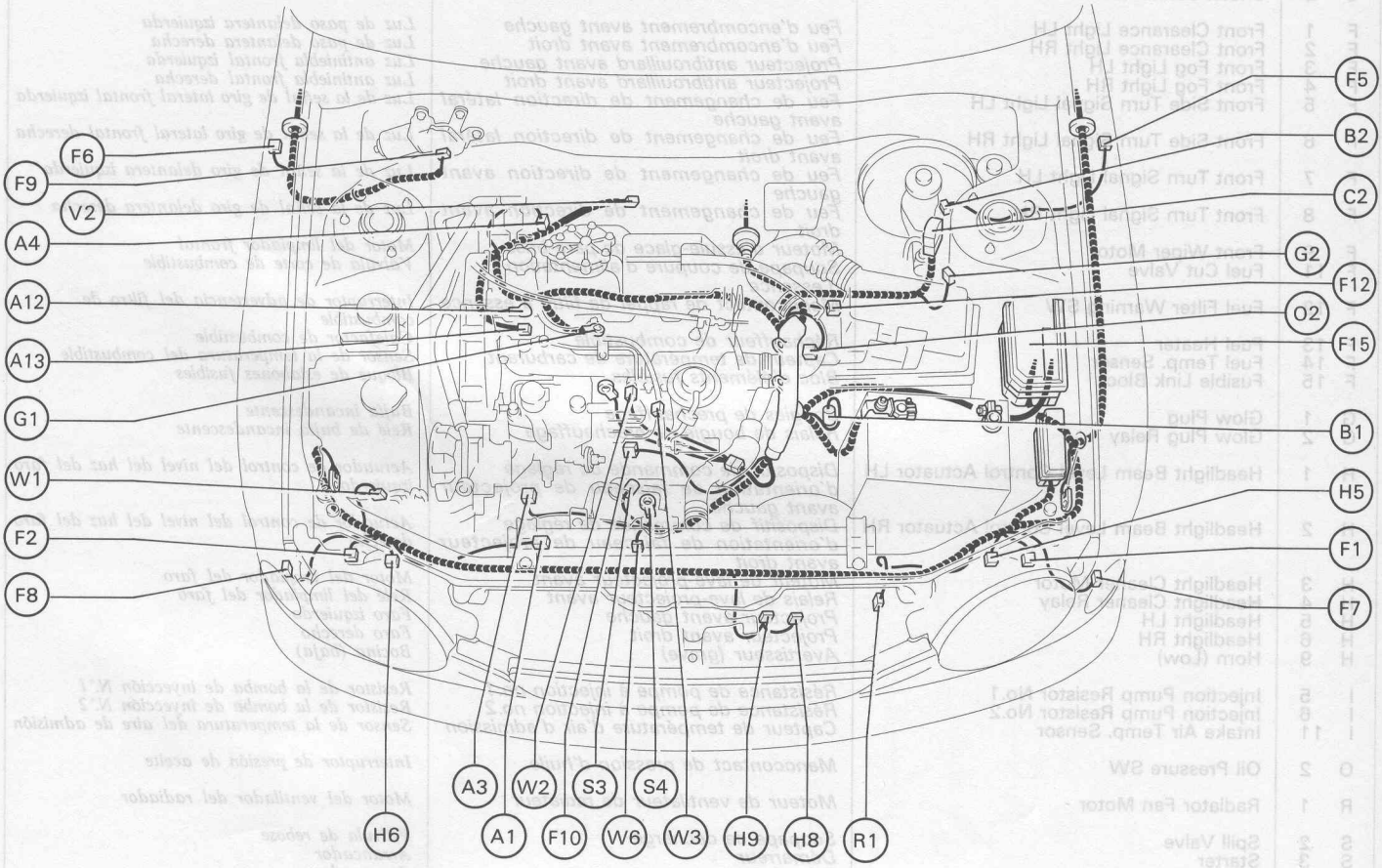


Position of Parts in Engine Compartment

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 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 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.°1*
I 6	Injection Pump Resistor No.2	*Résistance de pompe à injection no.2*	*Resistor de la bomba de inyección N.°2*
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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*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]



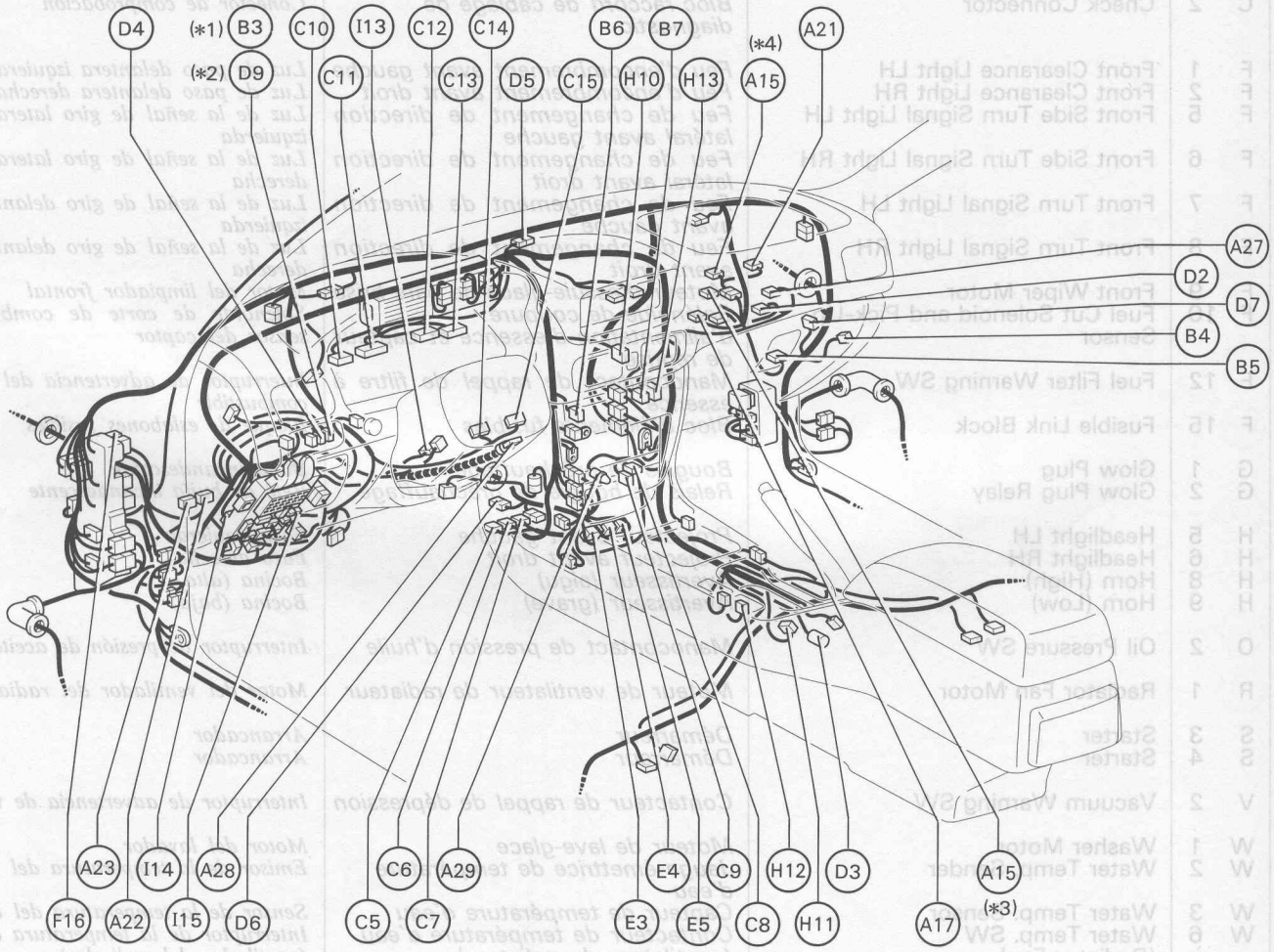
Position of Parts in Engine Compartment

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	*Démarreur*	*Arrancador*
S 4	Starter	*Démarreur*	*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



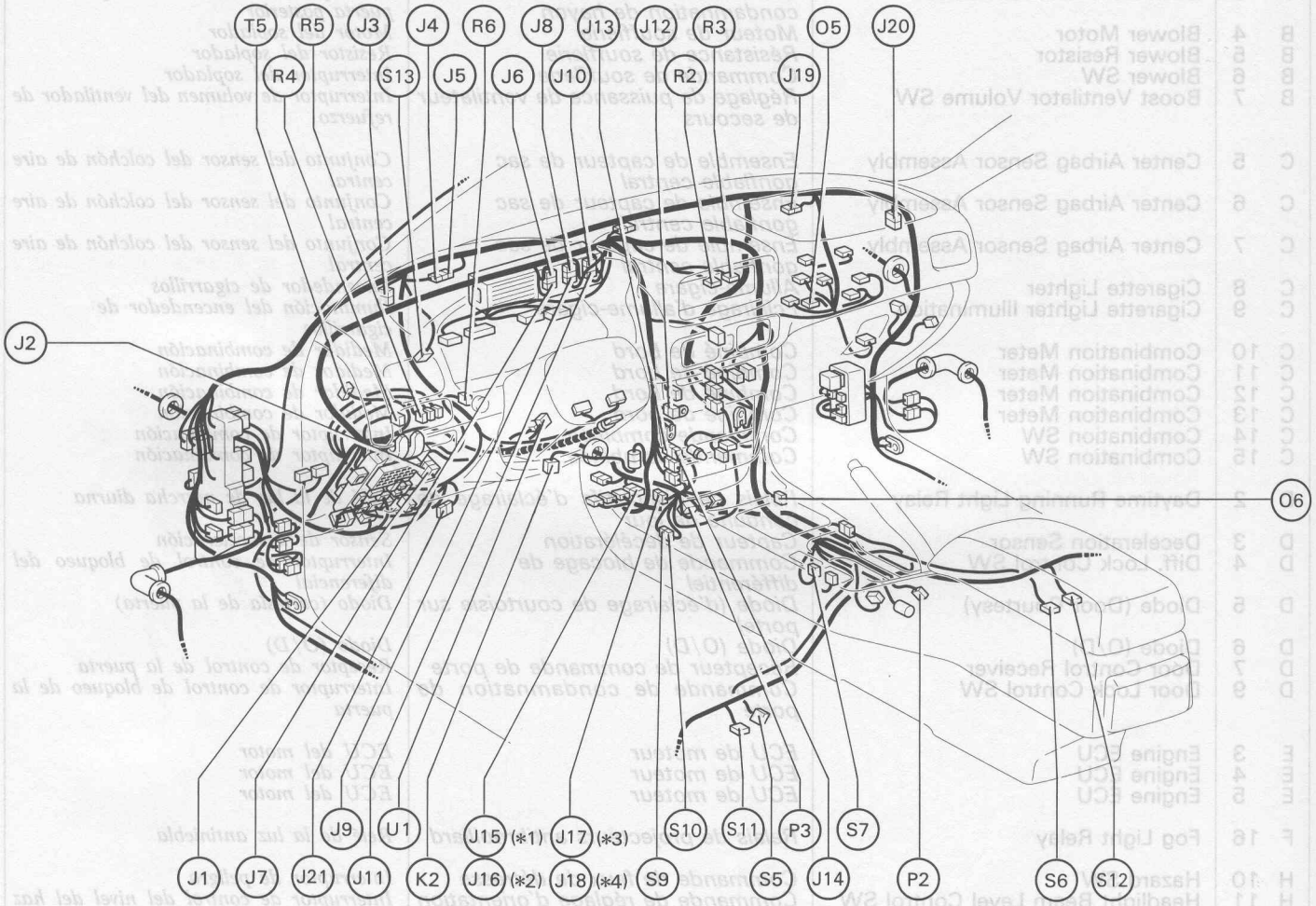
Position of Parts in Instrument Panel

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'evaporateur 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*	*Iluminación 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*	*Iluminación 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



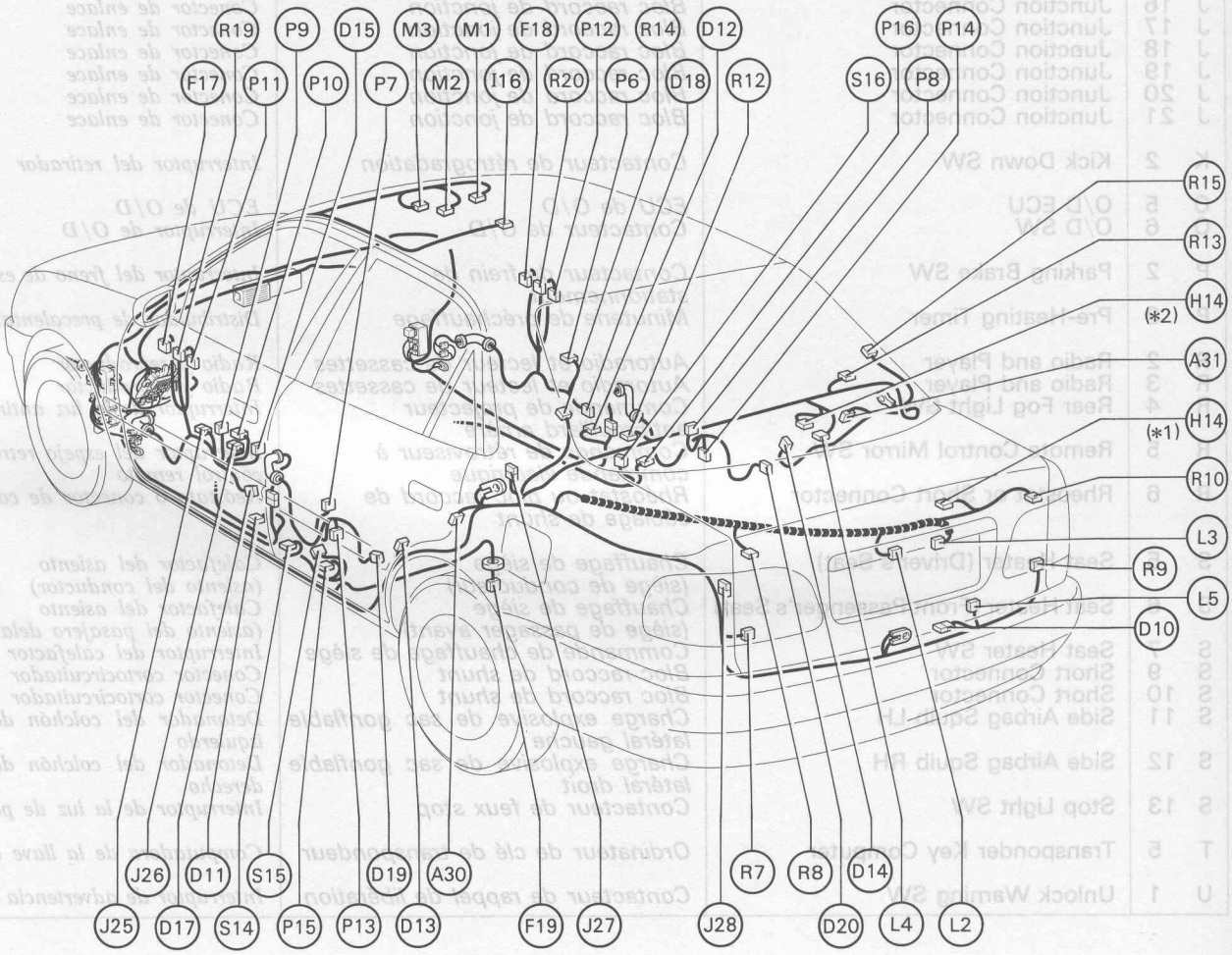
Position of Parts in Instrument Panel

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



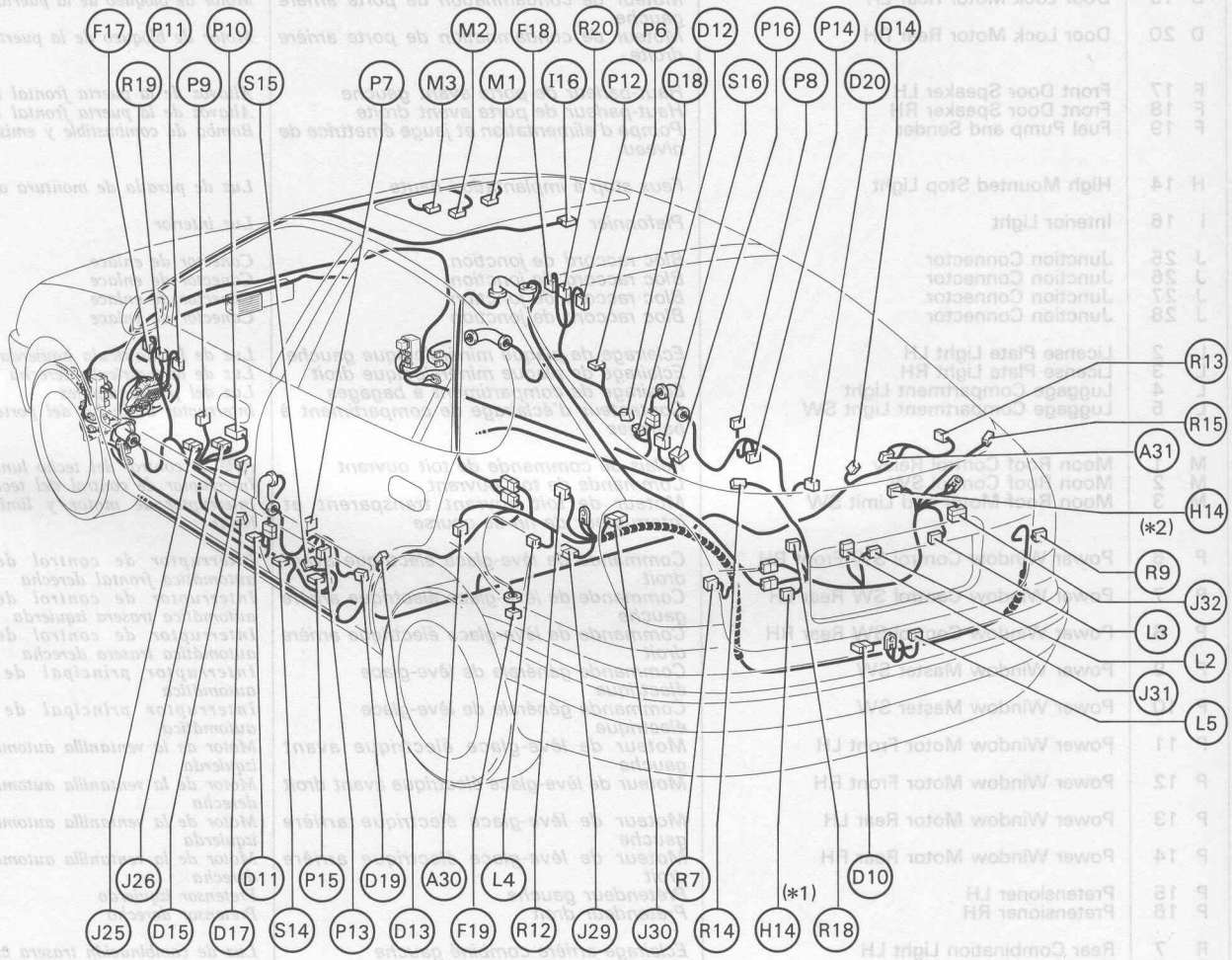
Position of Parts in Body

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*

Position of Parts in Body

[LHD : L/B]

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

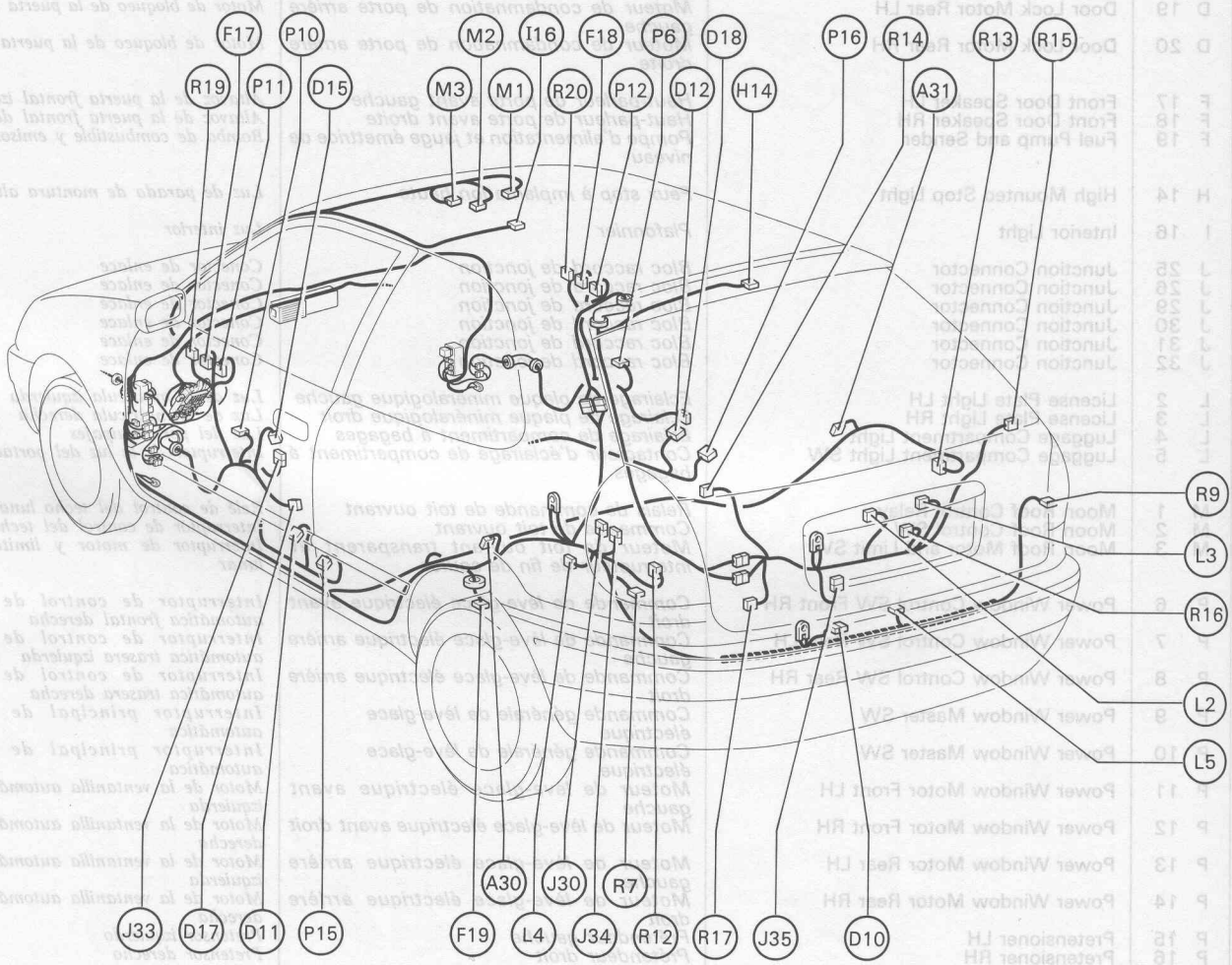


Position of Parts in Body

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 á bagages*	*Luz del portaequipajes*
L 5	Luggage Compartment Light SW	*Contacteur d'éclairage de compartiment á 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]



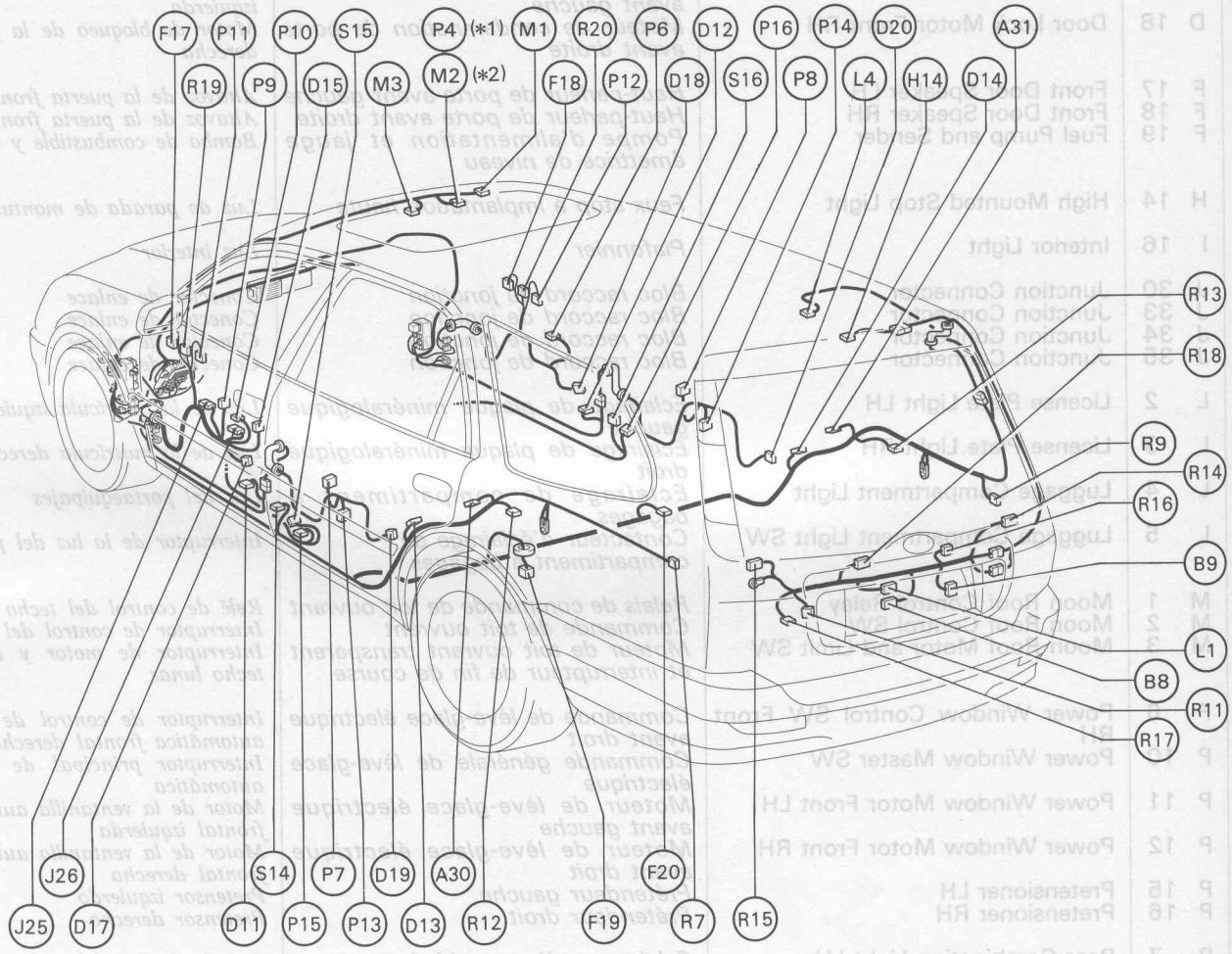
Position of Parts in Body

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

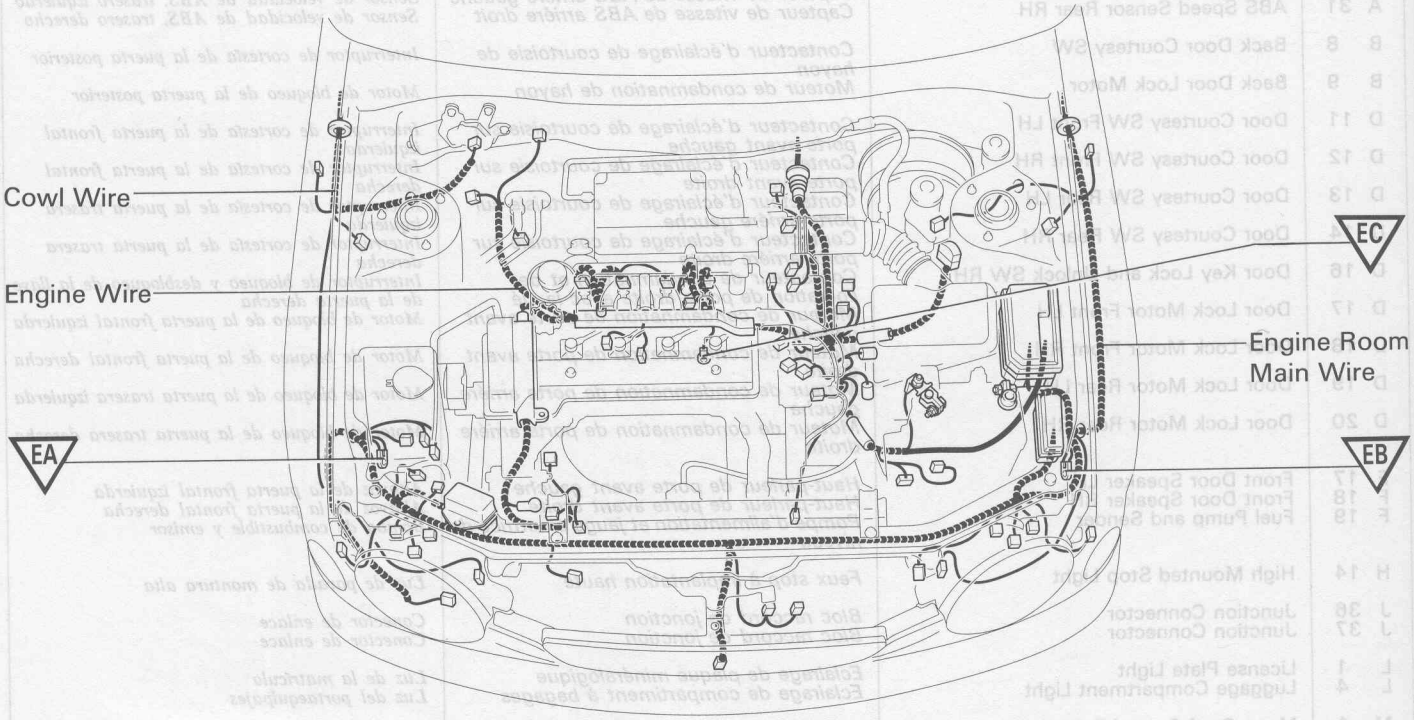


Position of Parts in Body

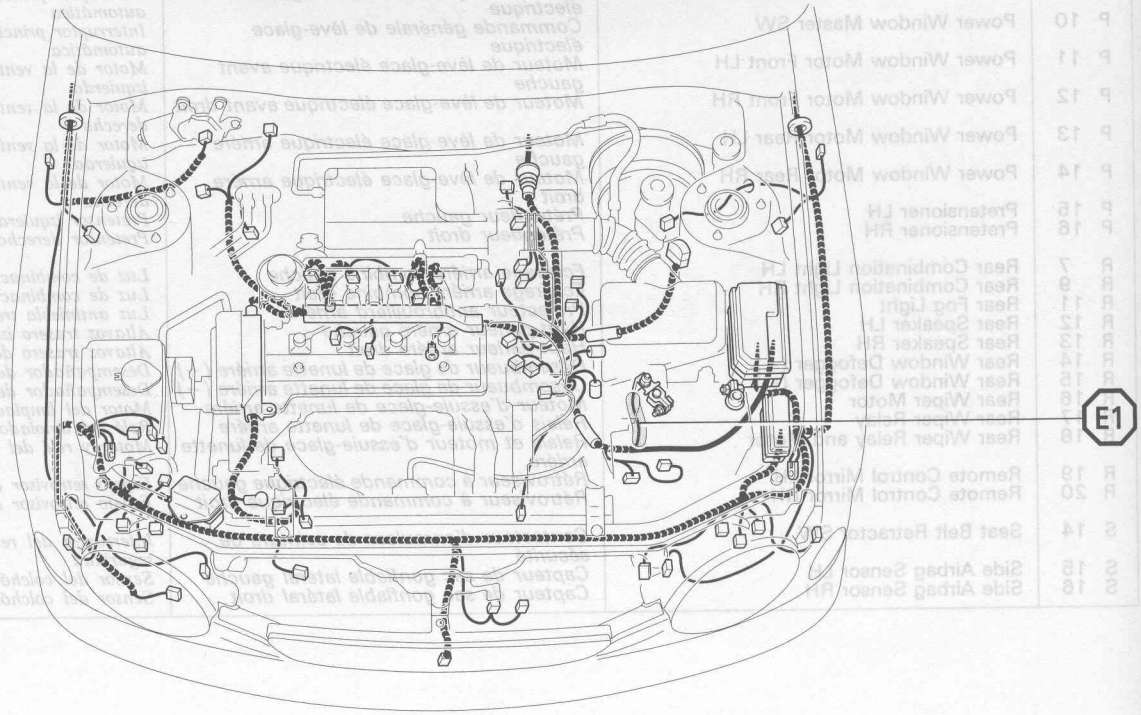
Code	English	Français	Español
A 30	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 31	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
B 8	Back Door Courtesy SW	Contacteur d'éclairage 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	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
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	Junction Connector	Bloc raccord de jonction	Conector de enlace
J 26	Junction Connector	Bloc raccord de jonction	Conector de enlace
L 1	License Plate Light	Eclairage de plaque minéralogique	Luz de la matrícula
L 4	Luggage Compartment Light	Eclairage de compartiment à bagages	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 4	Personal Light	Projecteur individuel	Luz personal
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 11	Rear Fog Light	Projecteur antibrouillard arrière	Luz antiniebla trasera
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 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

▽ : Location of Ground Points

[LHD : 7A-FE]

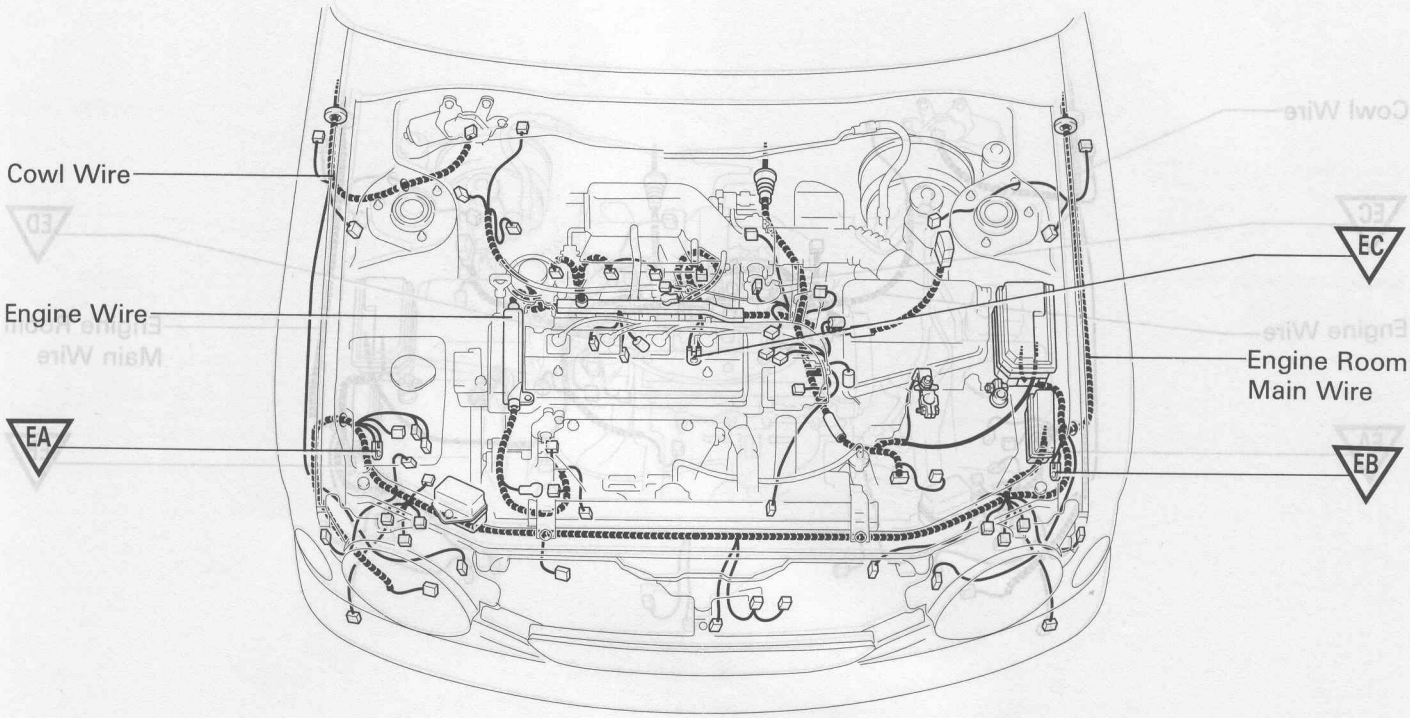


○ : Location of Splice Points

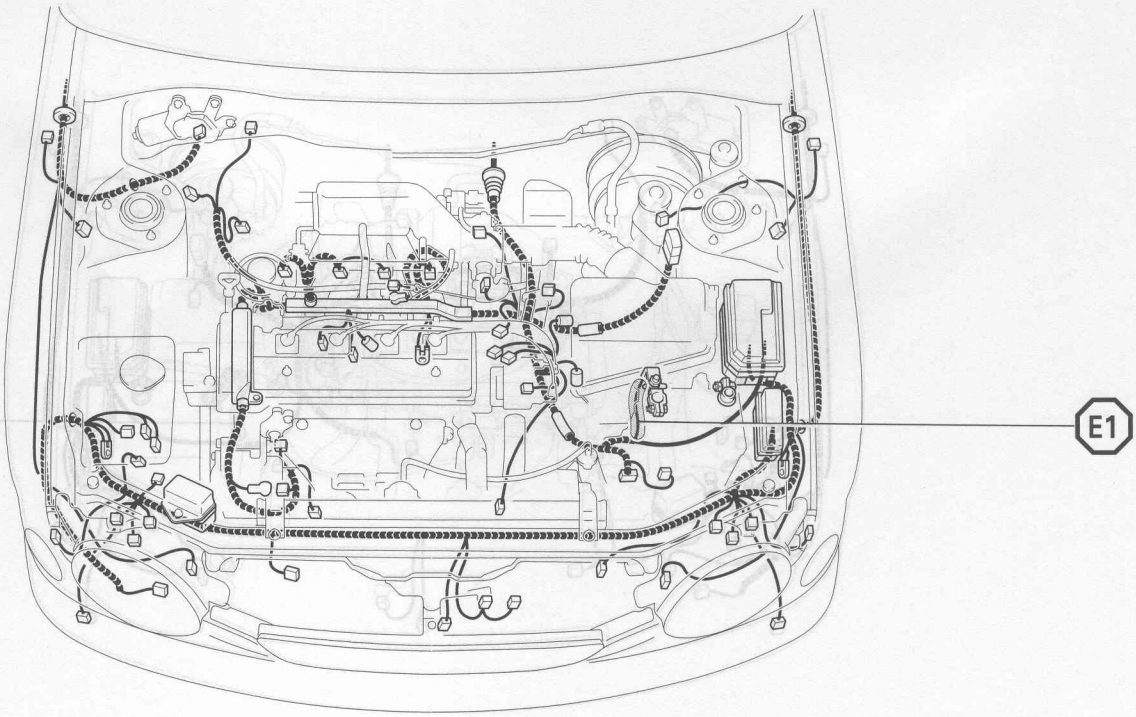


▽ : Location of Ground Points

[LHD : 4A-FE]

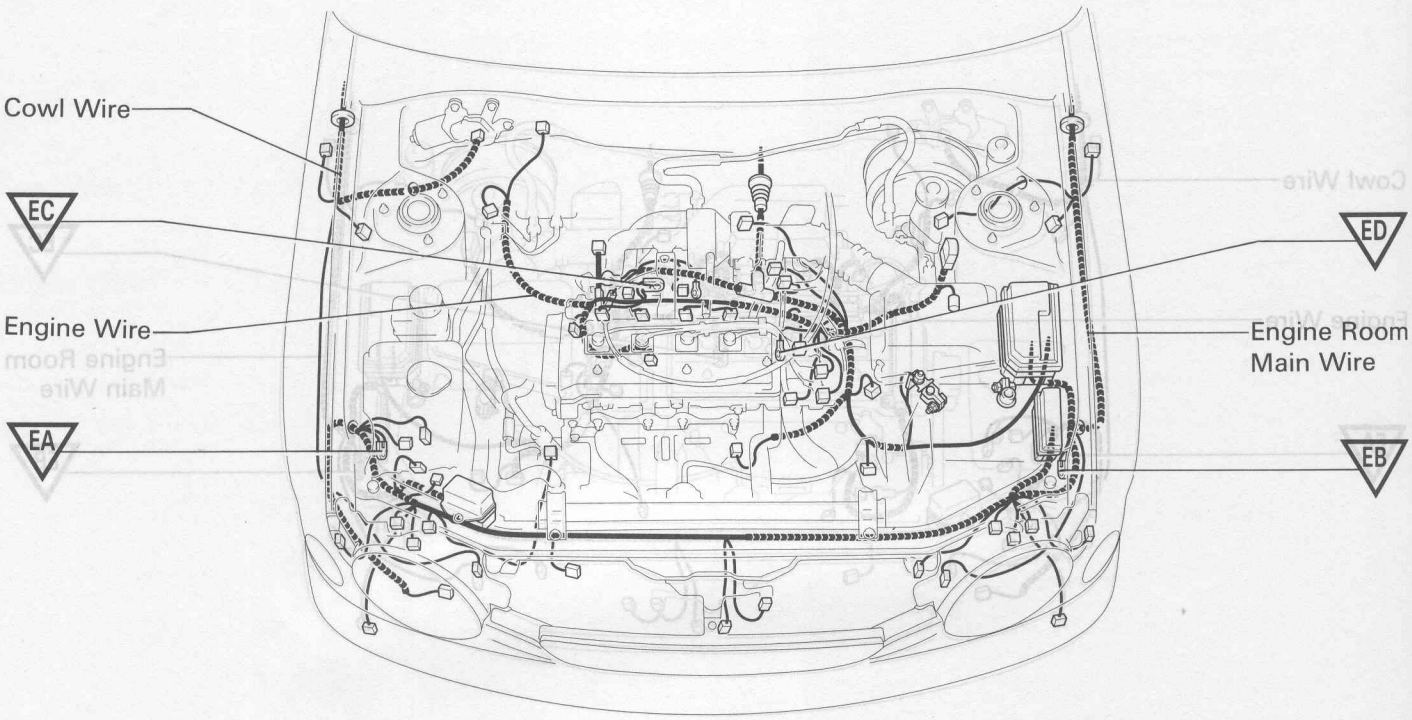


⬡ : Location of Splice Points

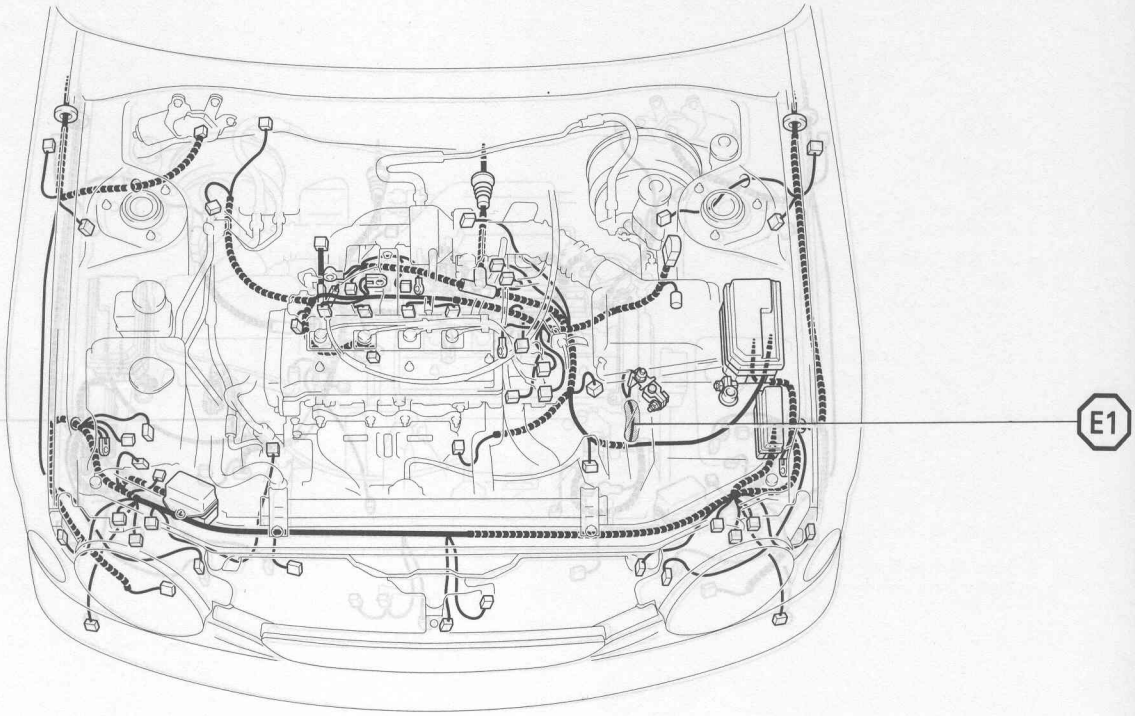


▽ : Location of Ground Points

[LHD : 4E-FE]

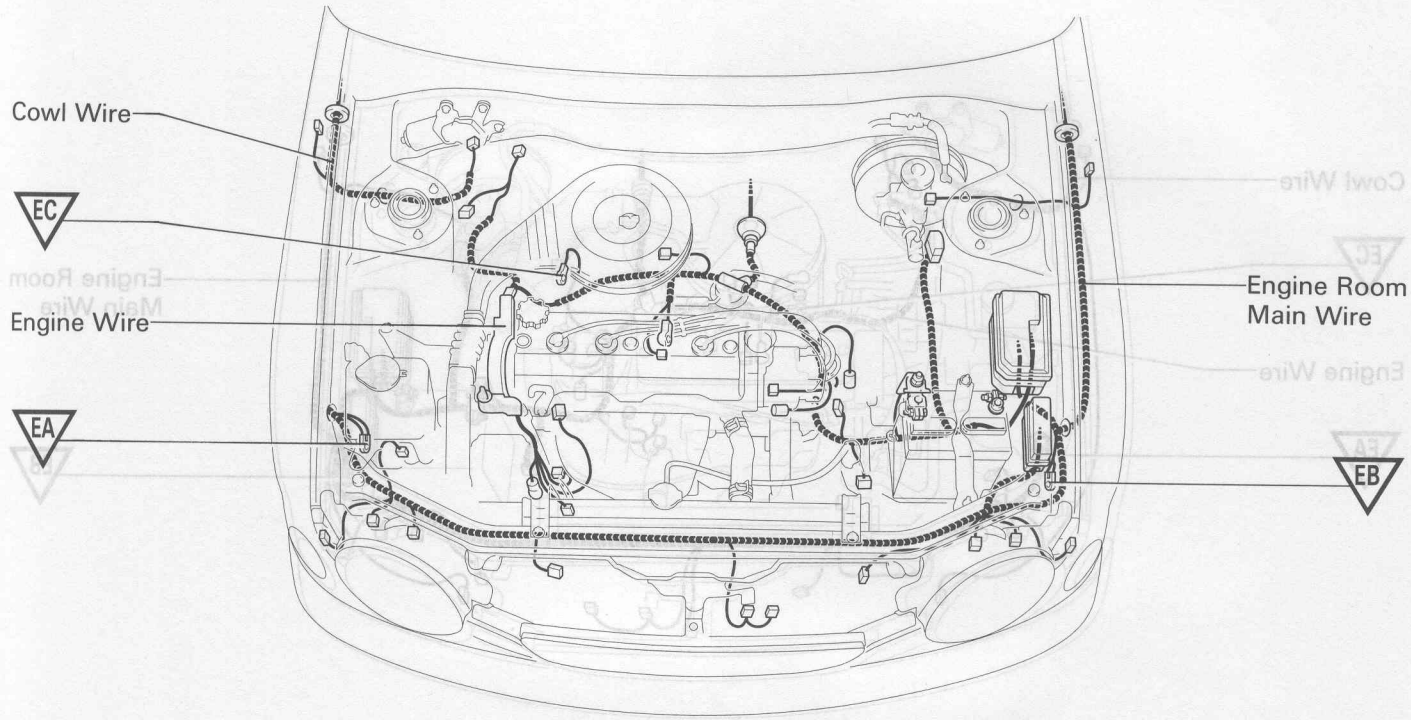


○ : Location of Splice Points

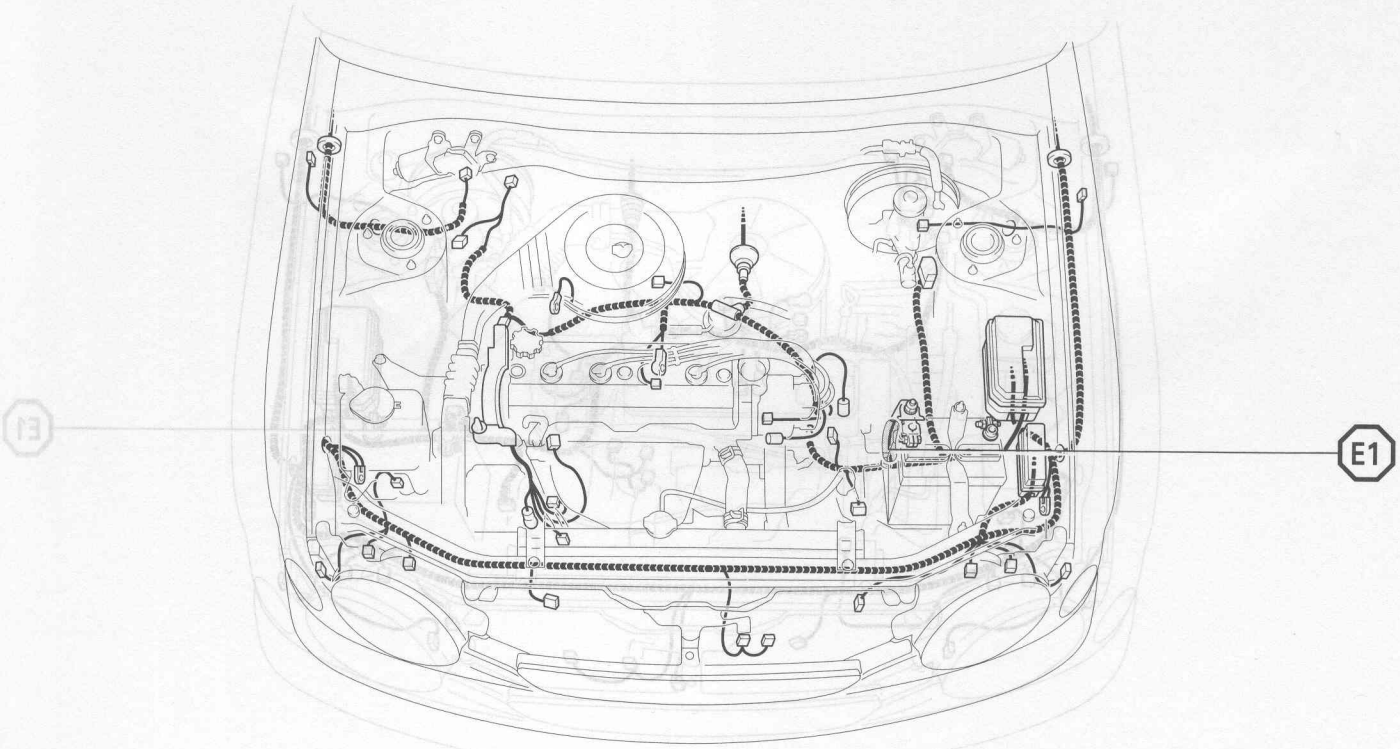


▽: Location of Ground Points

[LHD : 4A-F]

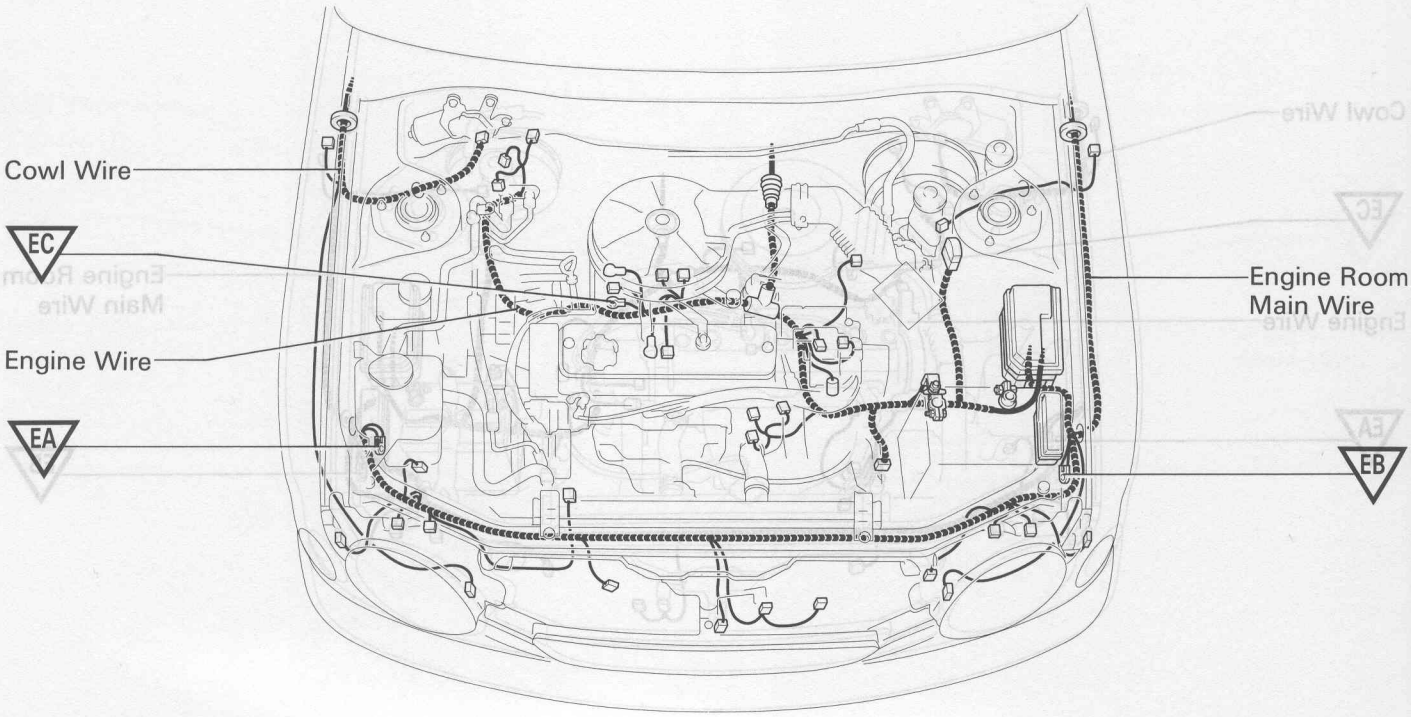


⬡: Location of Splice Points

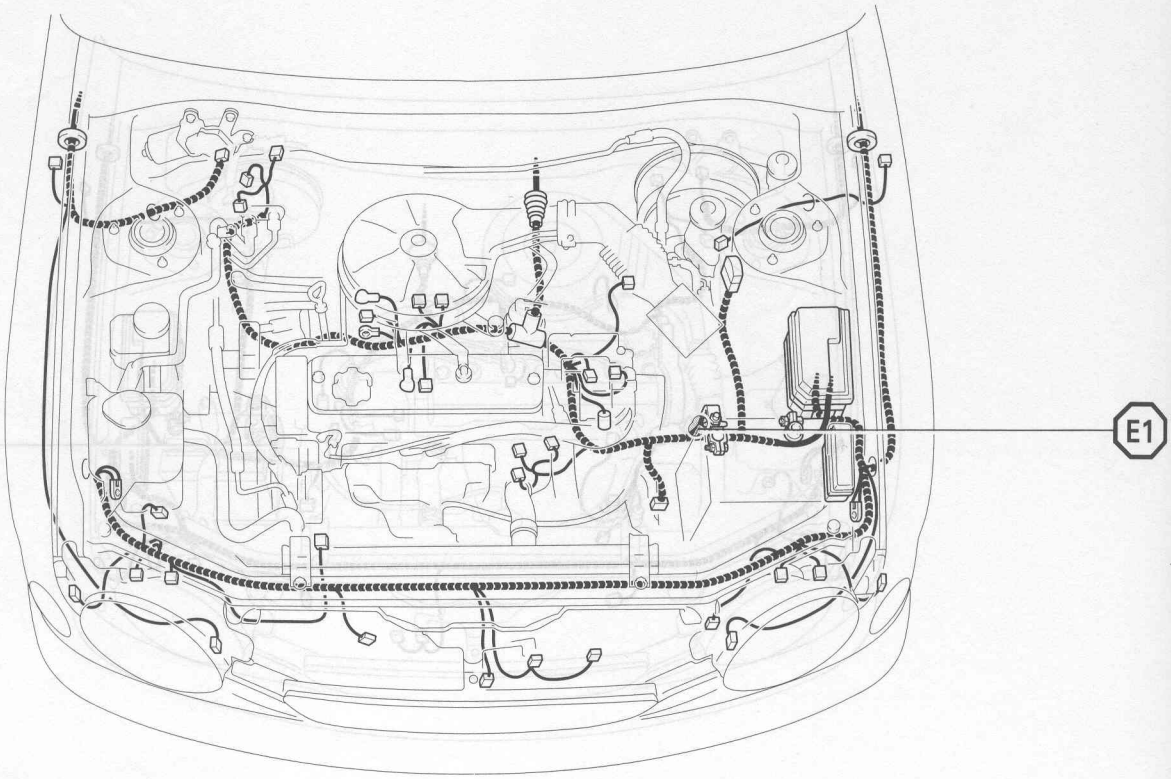


▽ : Location of Ground Points

[LHD : 2E]



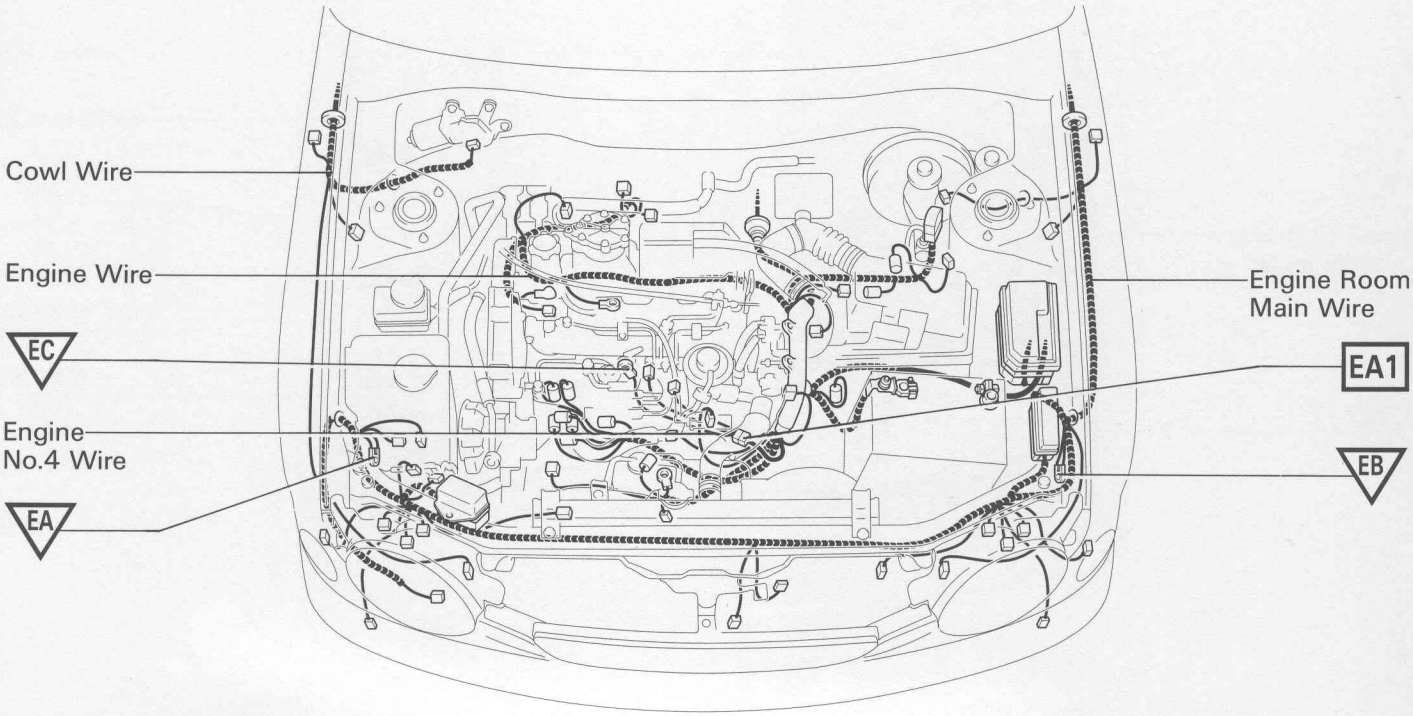
○ : Location of Splice Points



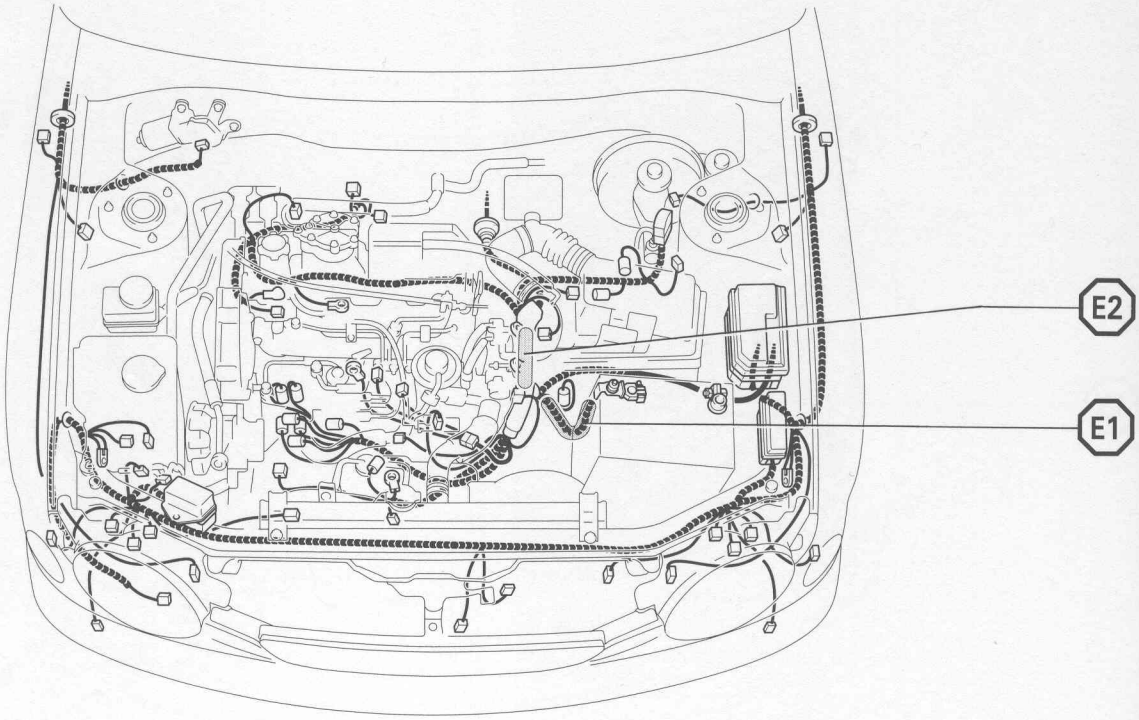
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

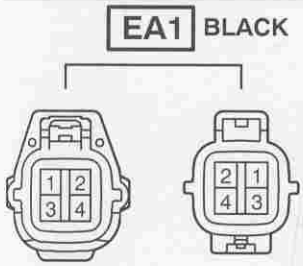
[LHD : 2C-E]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



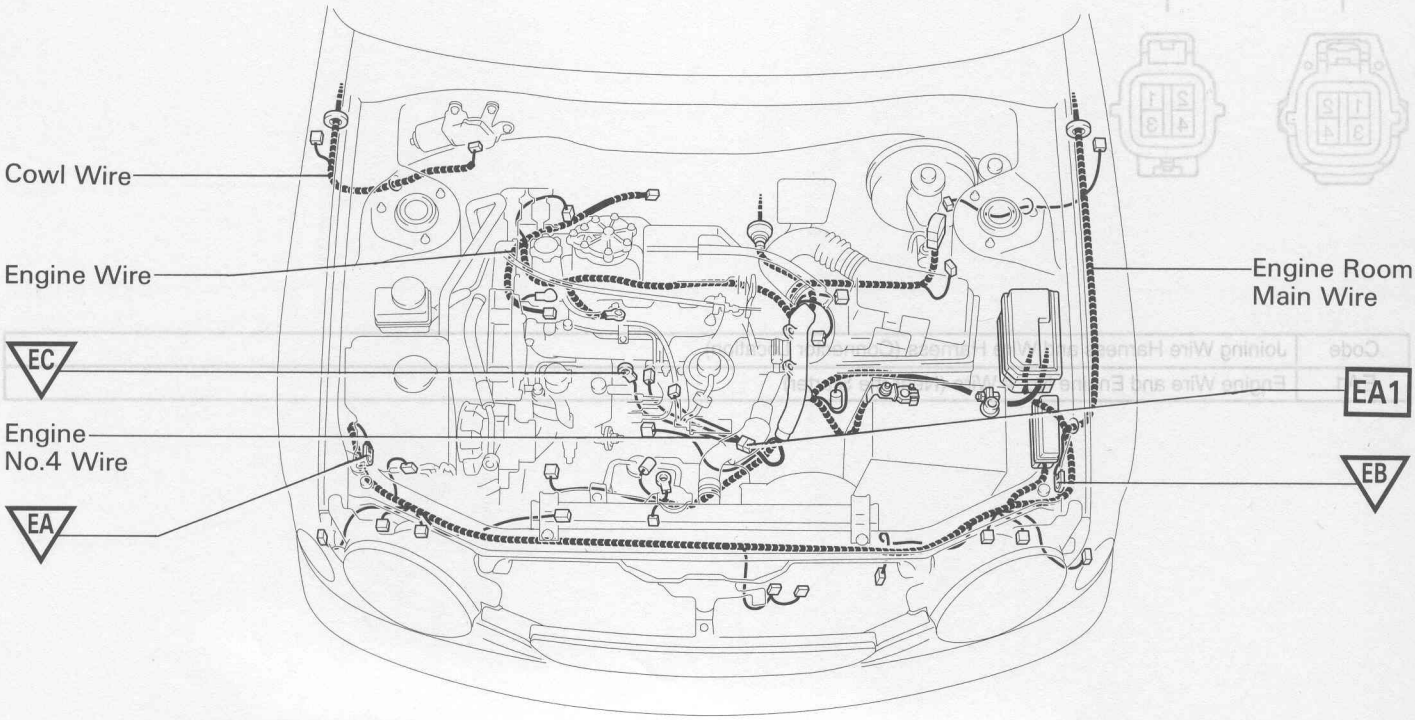
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No. 4 Wire (Near the Starter)

G ELECTRICAL WIRING ROUTING

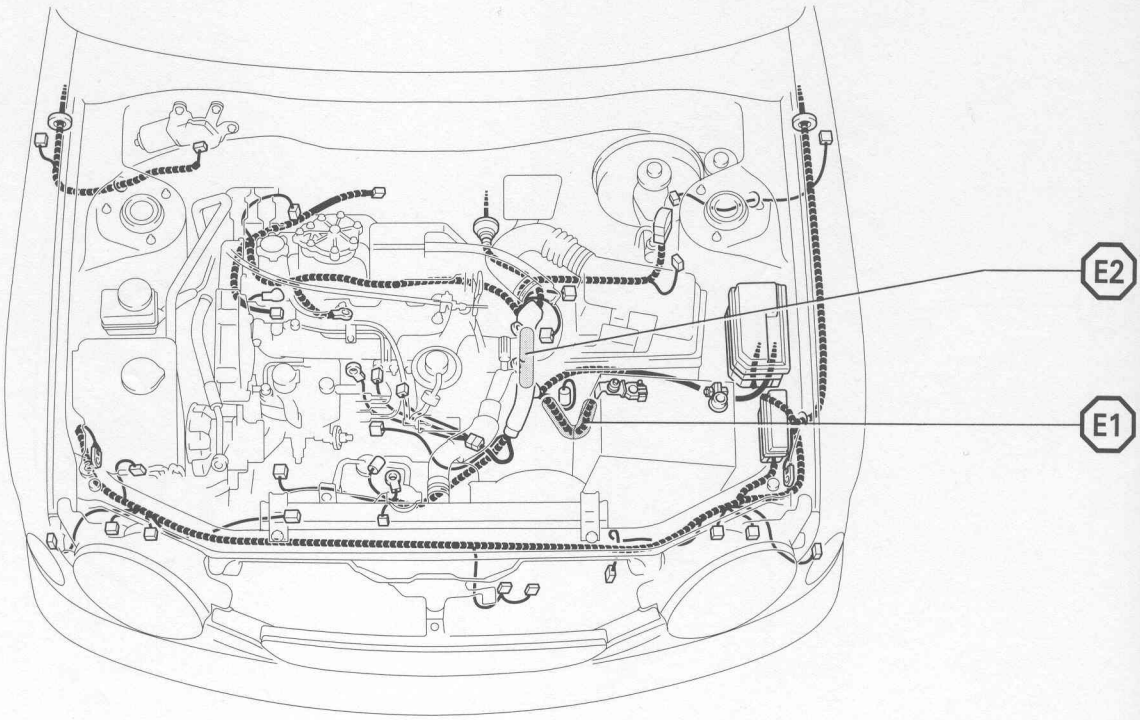
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

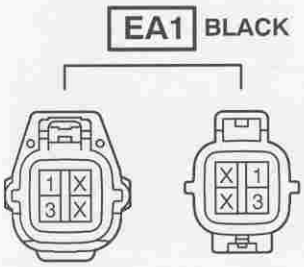
[LHD : 2C]



○ : Location of Splice Points



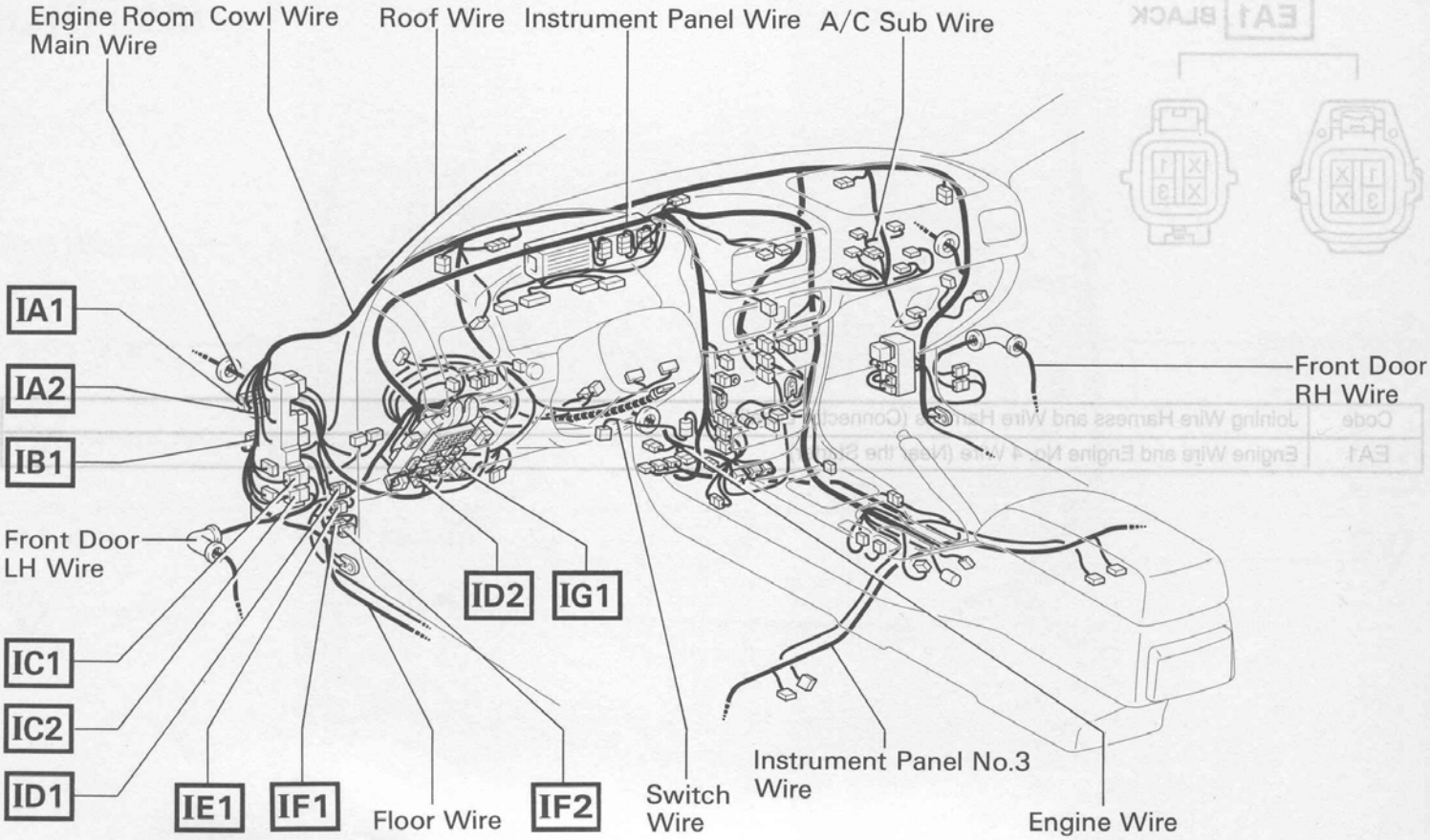
Connector Joining Wire Harness and Wire Harness



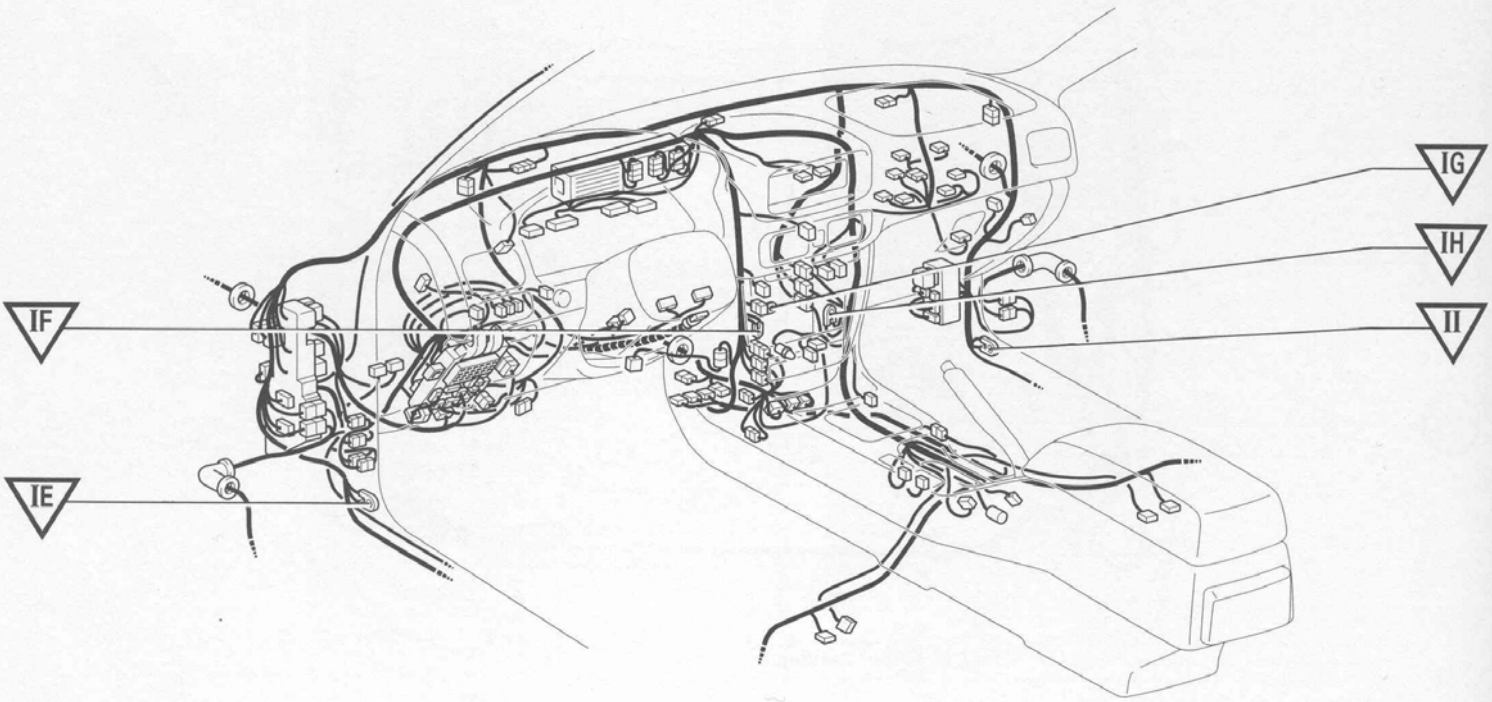
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No. 4 Wire (Near the Starter)

▭ : Location of Connector Joining Wire Harness and Wire Harness

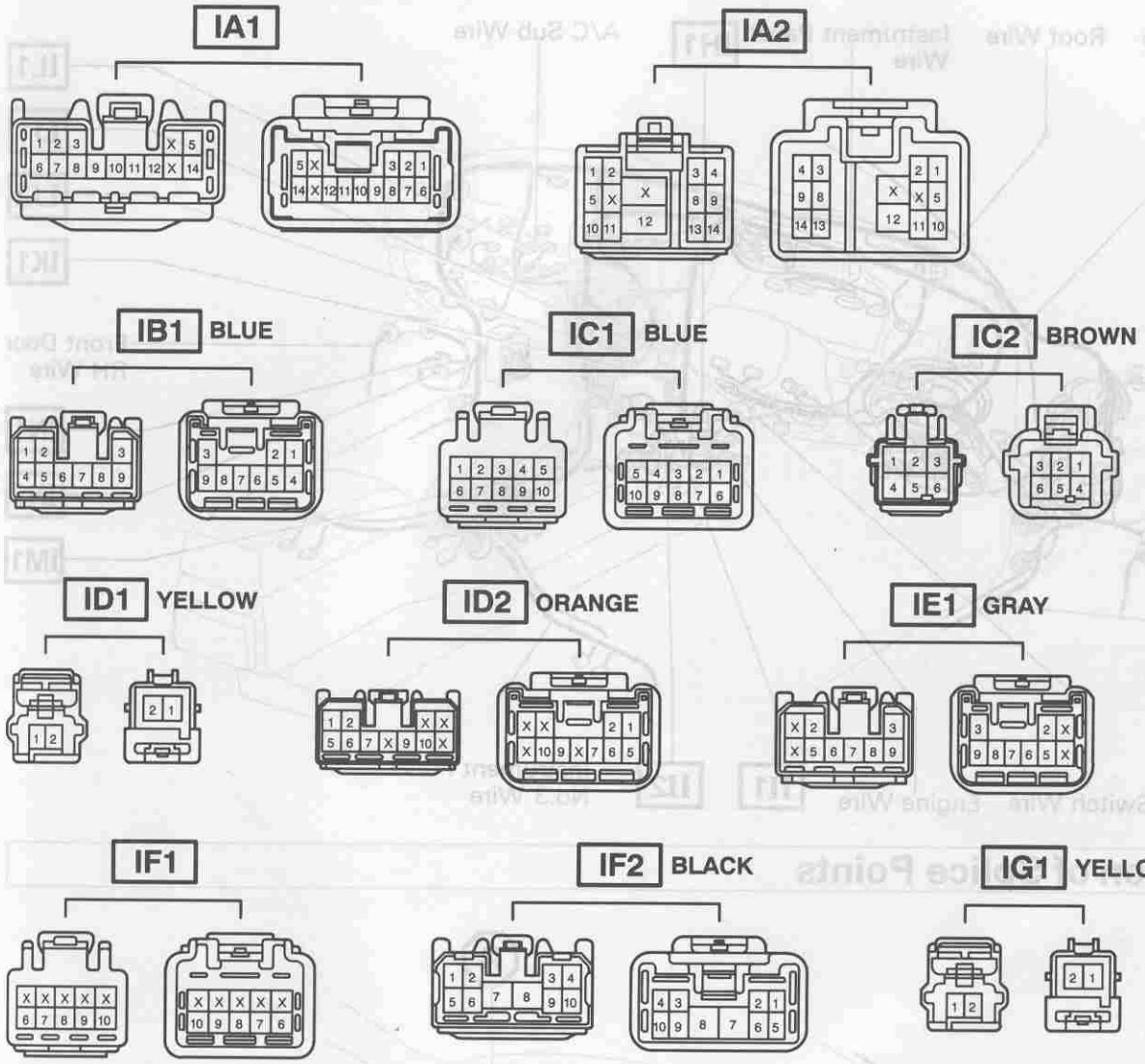
[LHD]



▽ : Location of Ground Points



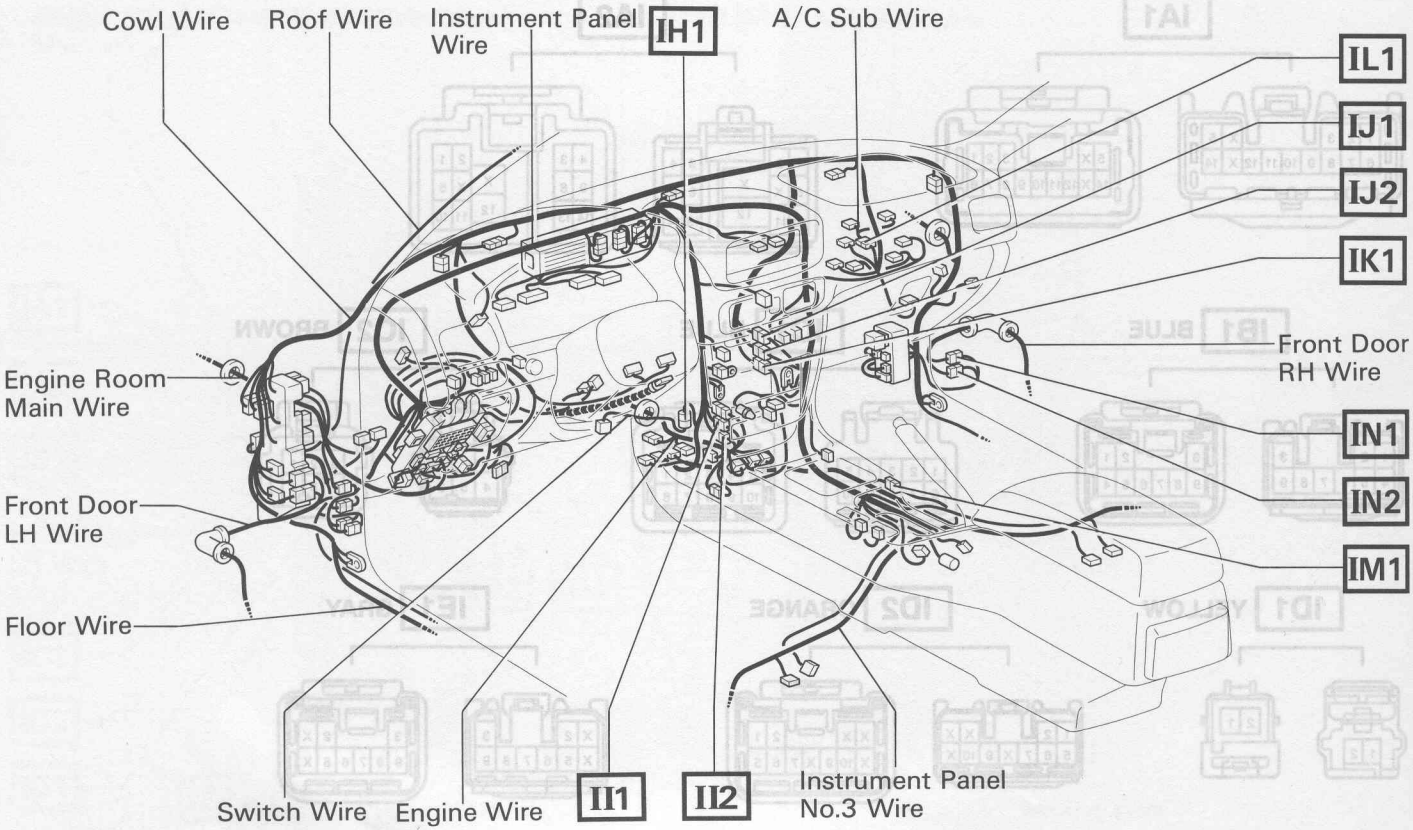
Connector Joining Wire Harness and Wire Harness



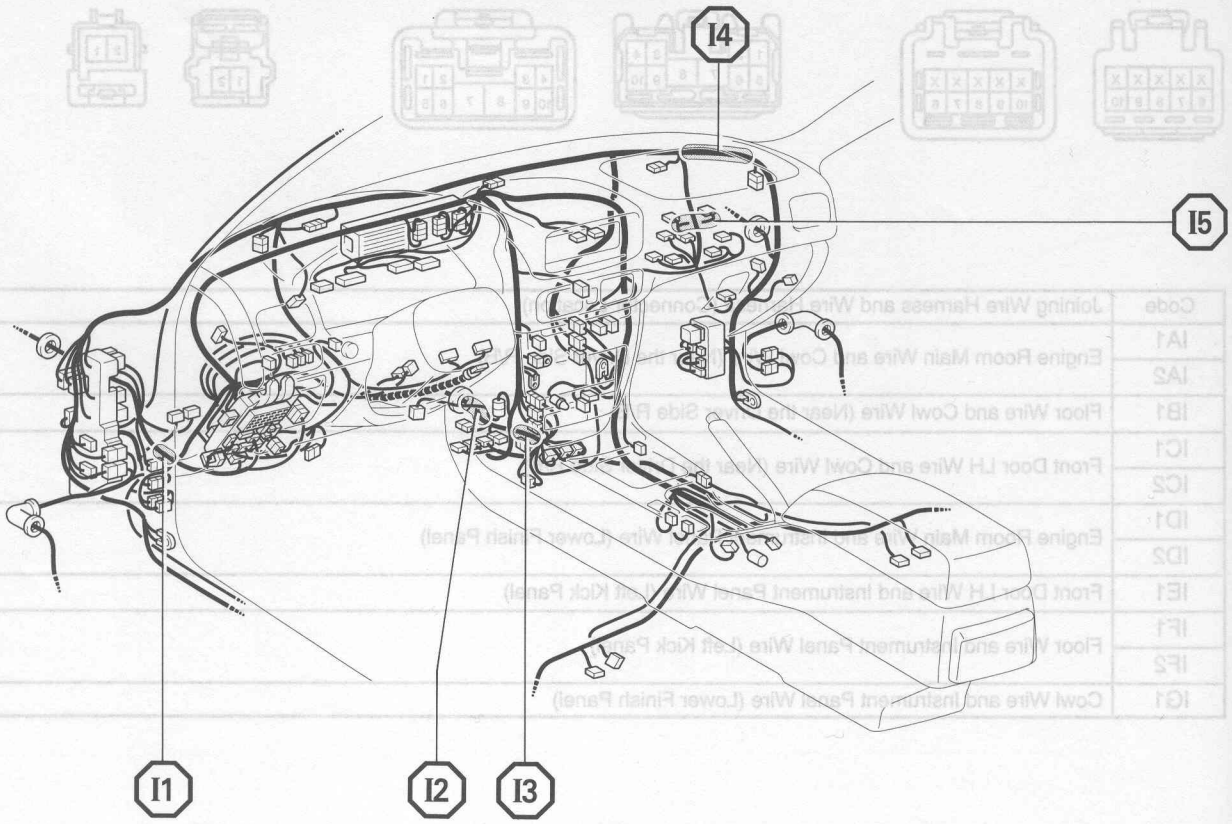
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)
IA2	
IB1	Floor Wire and Cowl Wire (Near the Driver Side R/B)
IC1	Front Door LH Wire and Cowl Wire (Near the Driver Side R/B)
IC2	
ID1	Engine Room Main Wire and Instrument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

▭ : Location of Connector Joining Wire Harness and Wire Harness

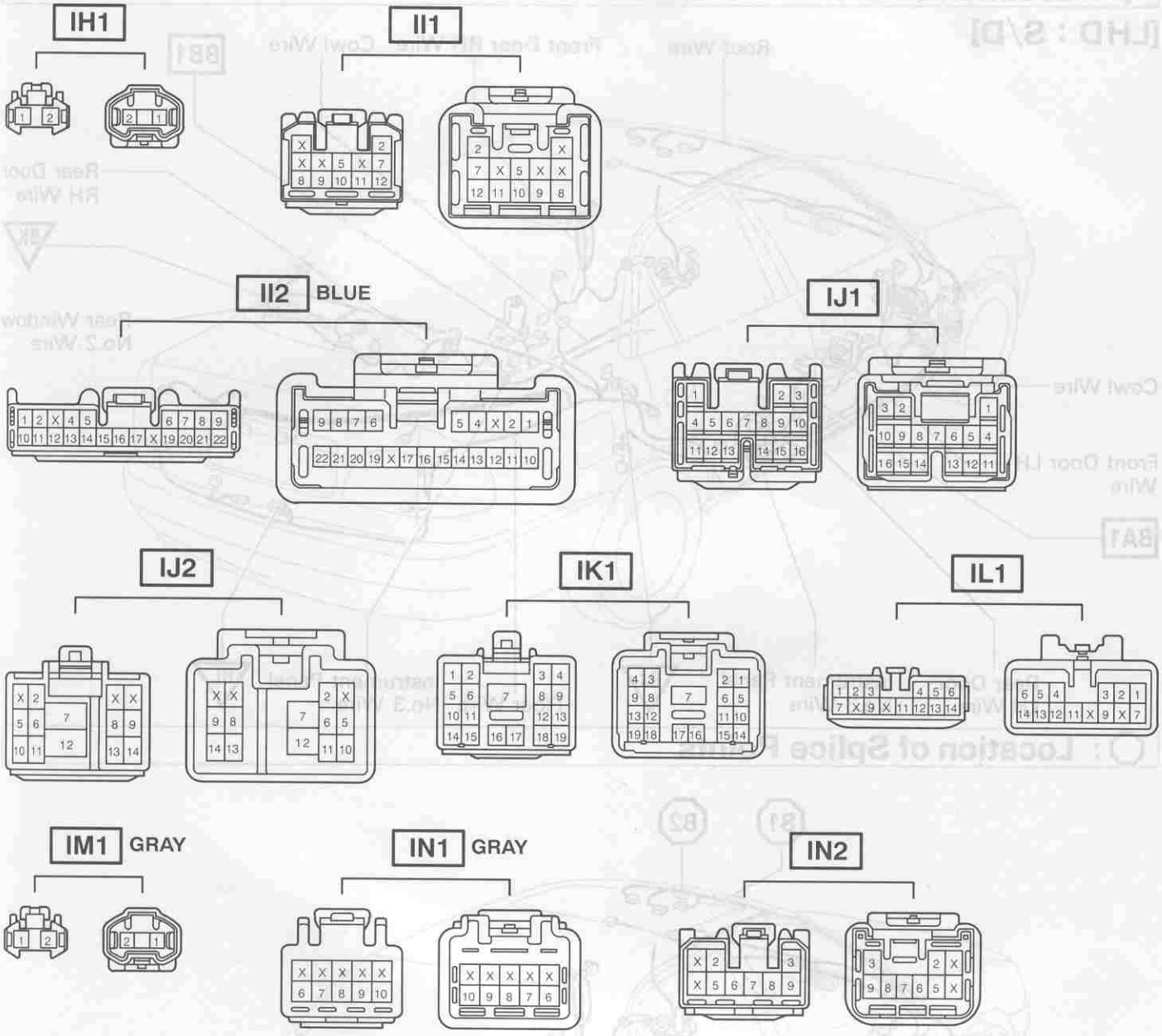
[LHD]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

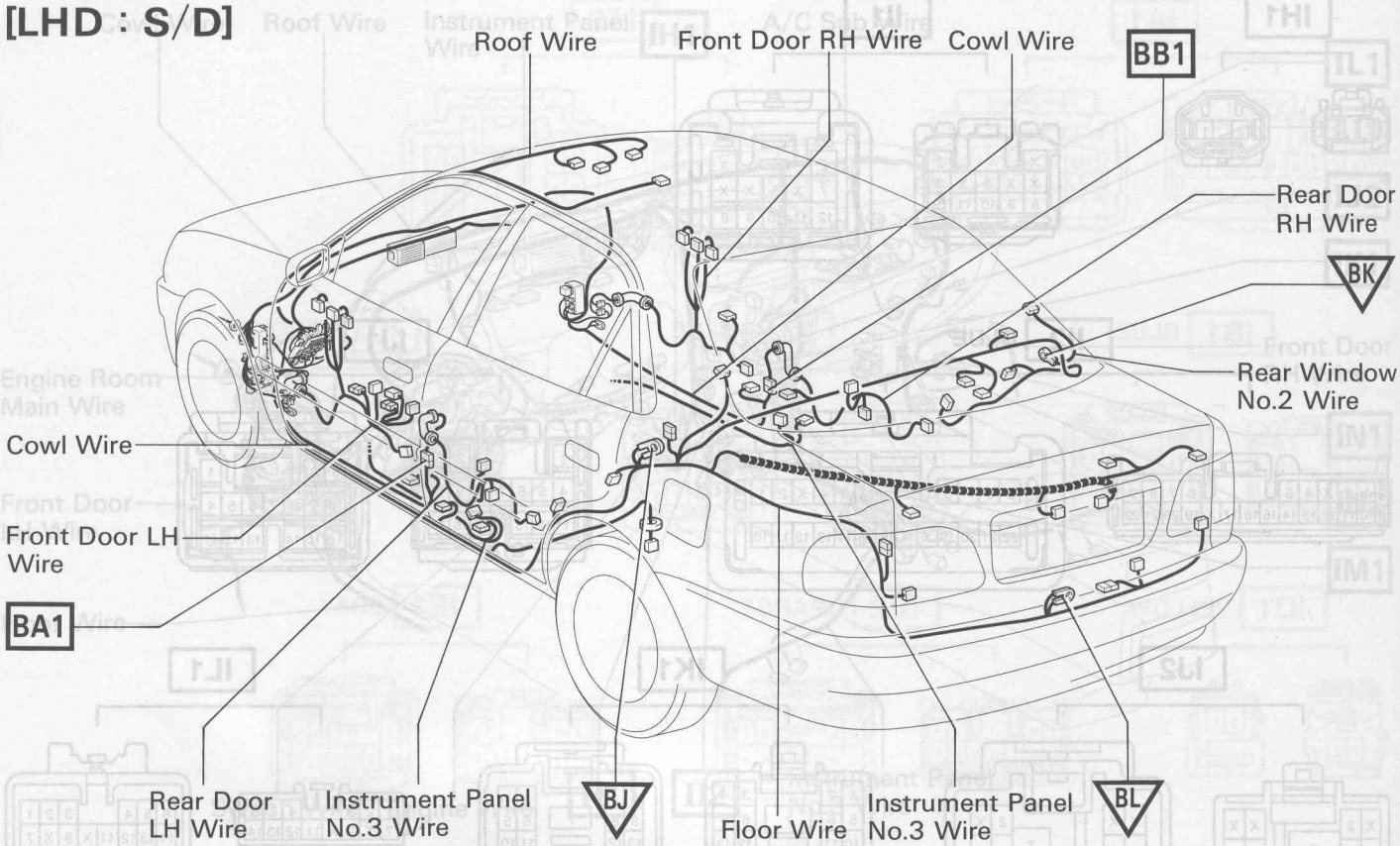


Code	Joining Wire Harness and Wire Harness (Connector Location)
IH1	Switch Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II1	Engine Wire and Instrument Panel Wire (Instrument Panel Brace LH)
II2	
IJ1	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IJ2	
IK1	Engine Wire and 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	

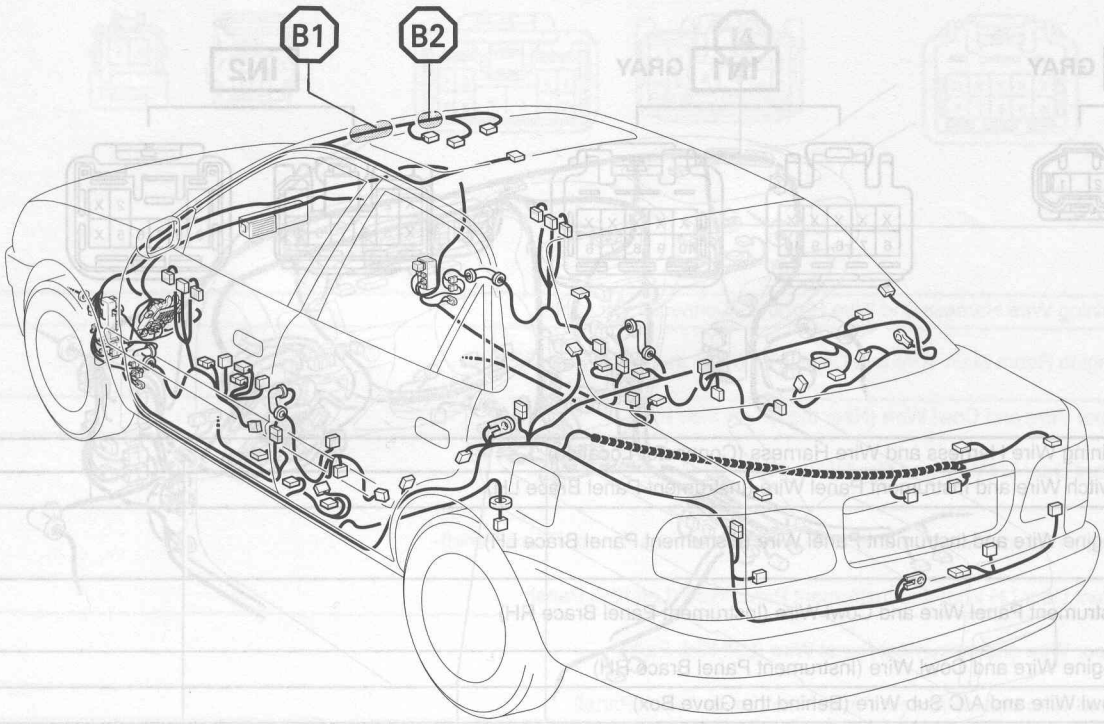
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

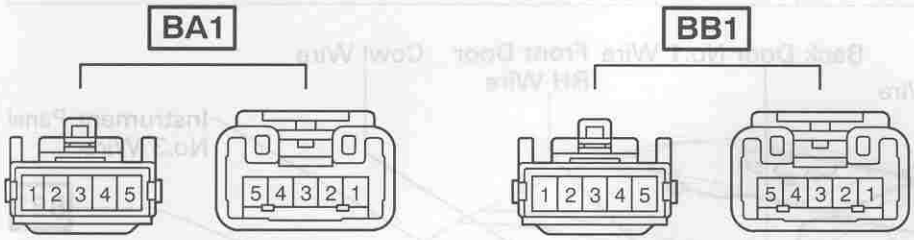
[LHD : S/D]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

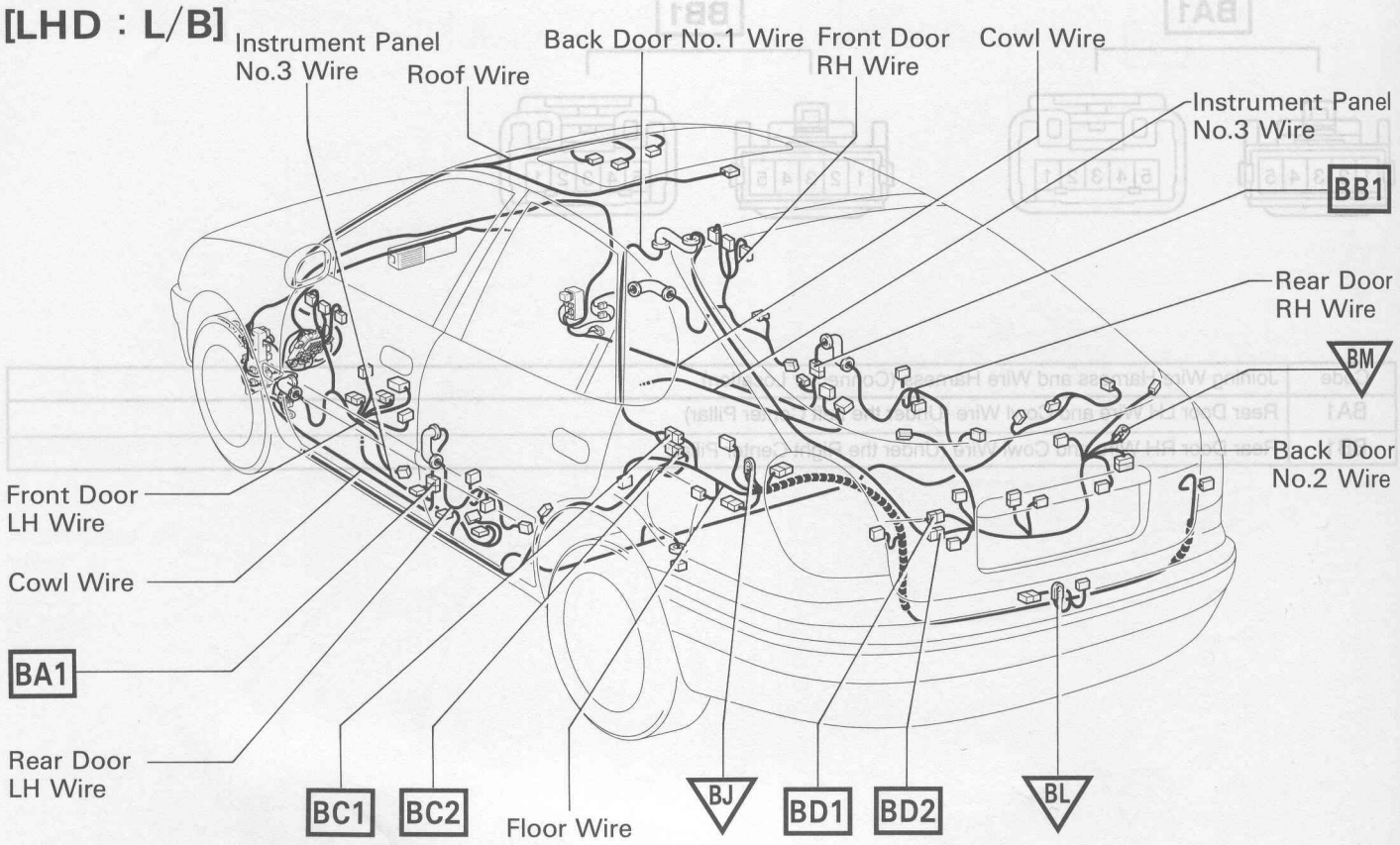


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)

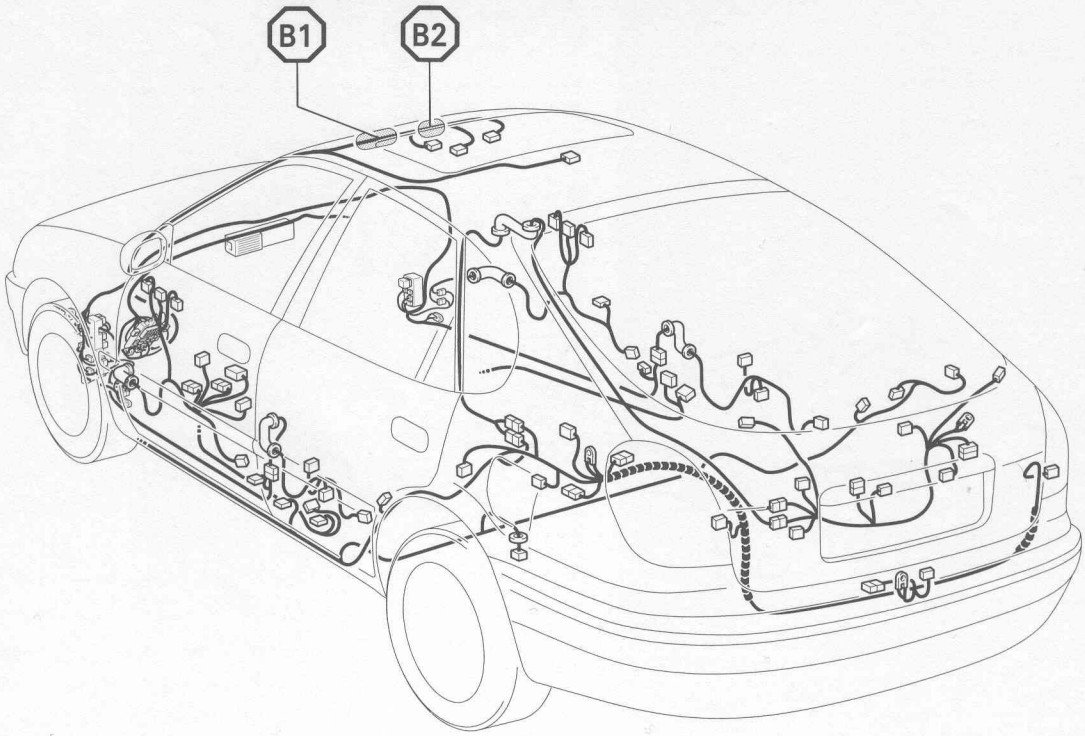
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

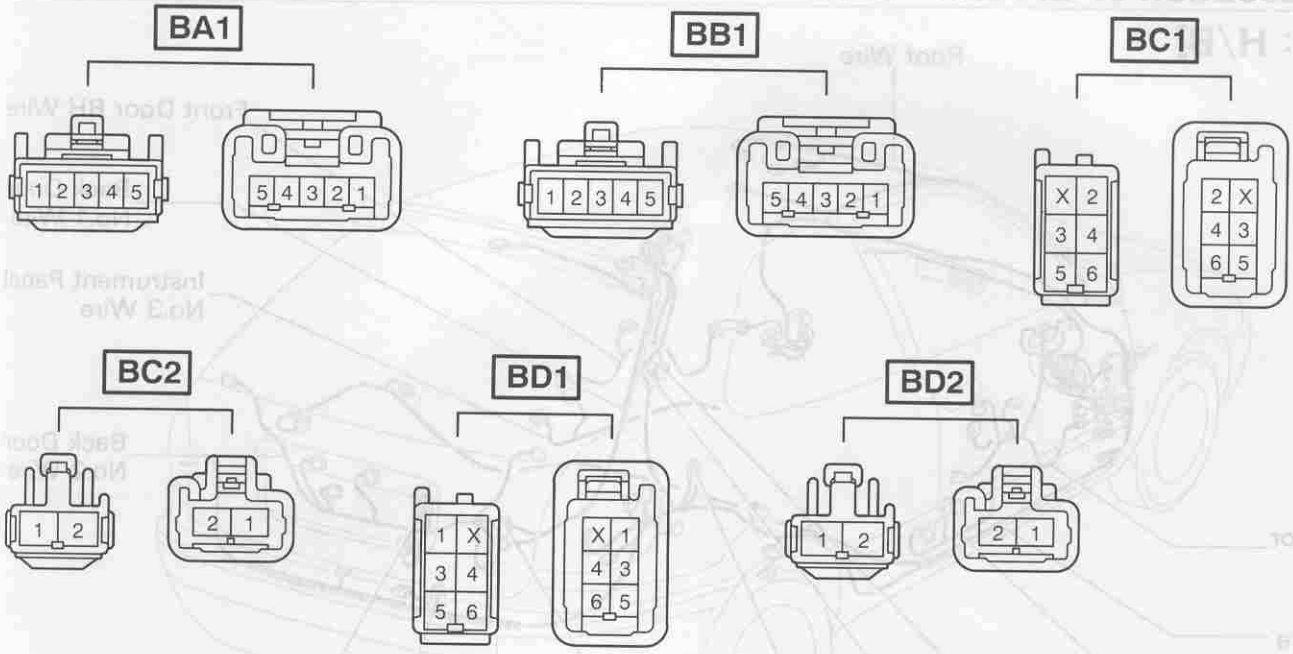
[LHD : L/B]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

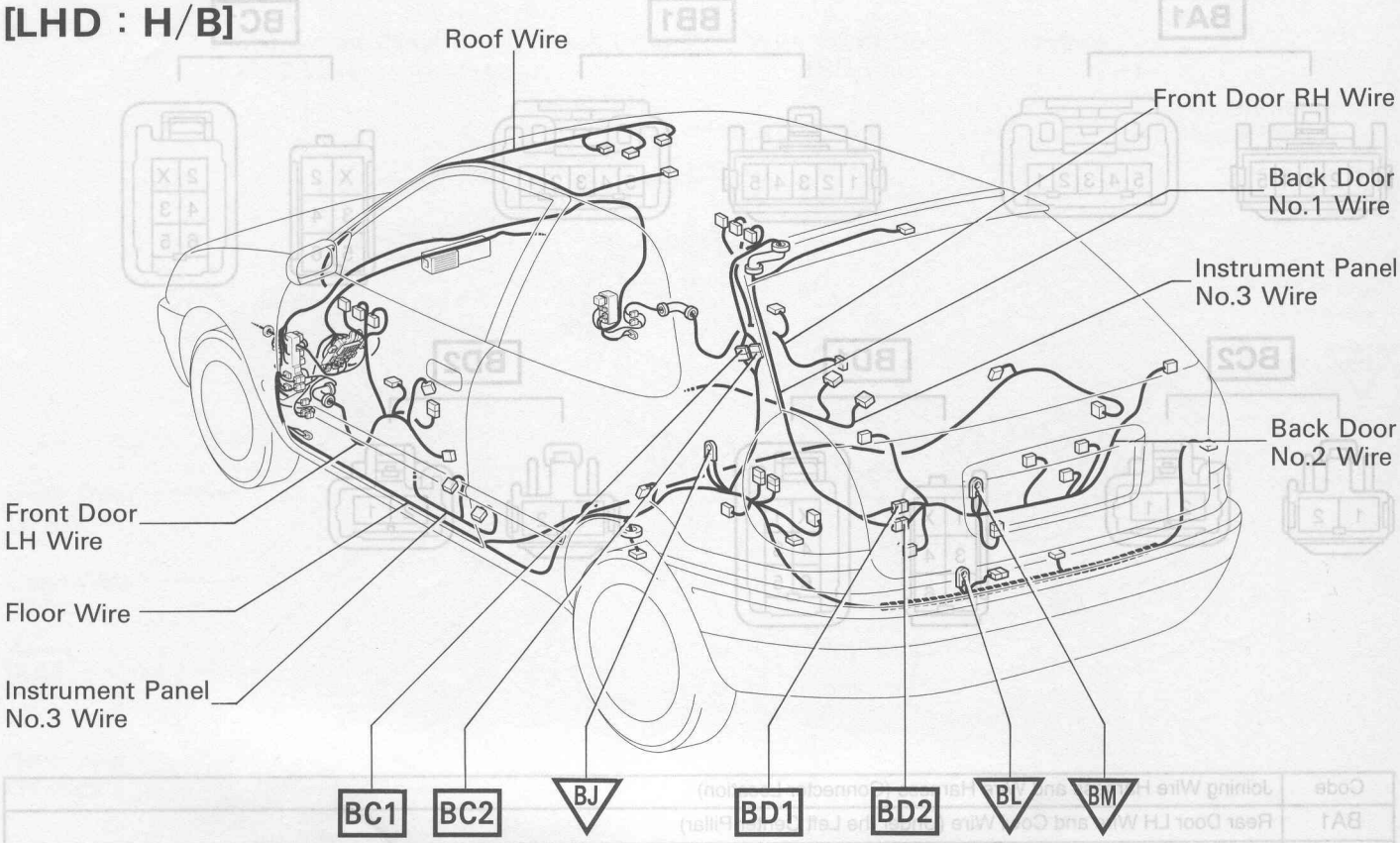


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Cowl Wire (Under the Right Center Pillar)
BC1	Back Door No. 1 Wire and Floor Wire (Under the Left Quarter Pillar)
BC2	
BD1	Back Door No. 1 Wire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

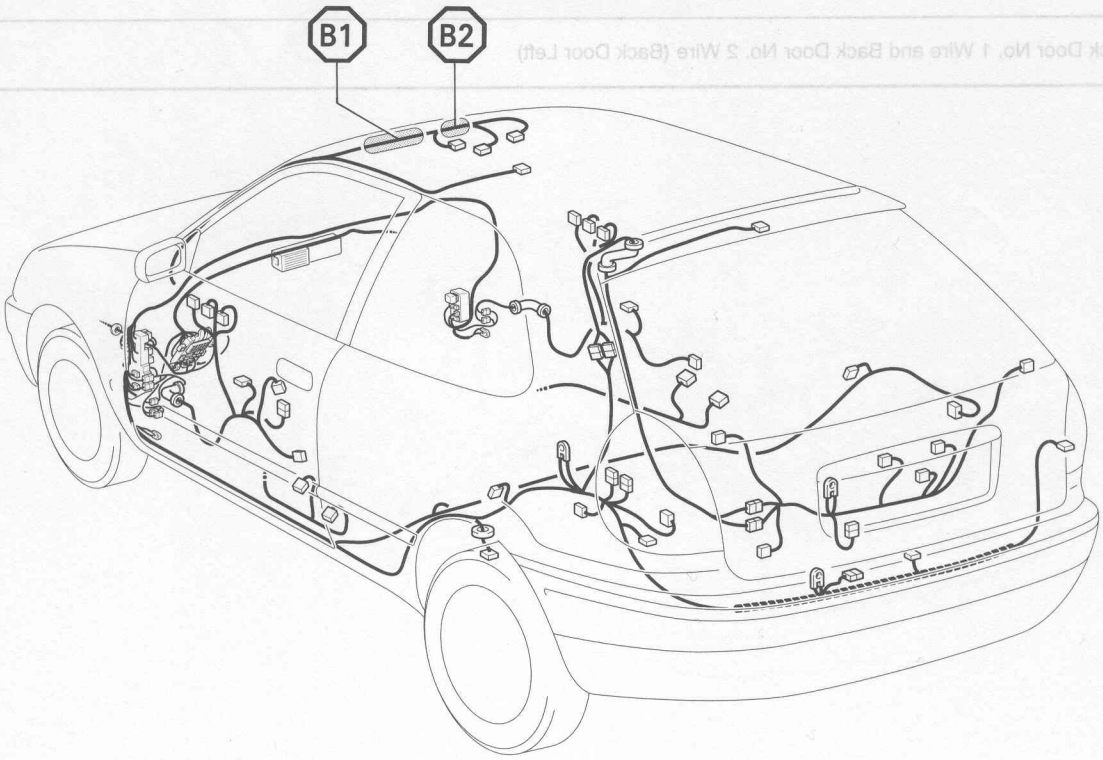
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

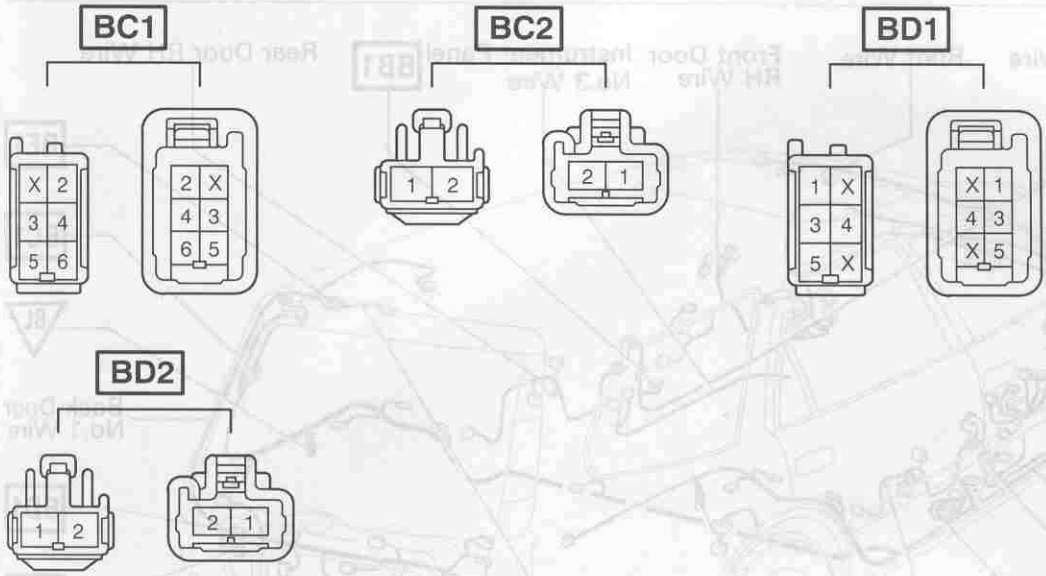
[LHD : H/B]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

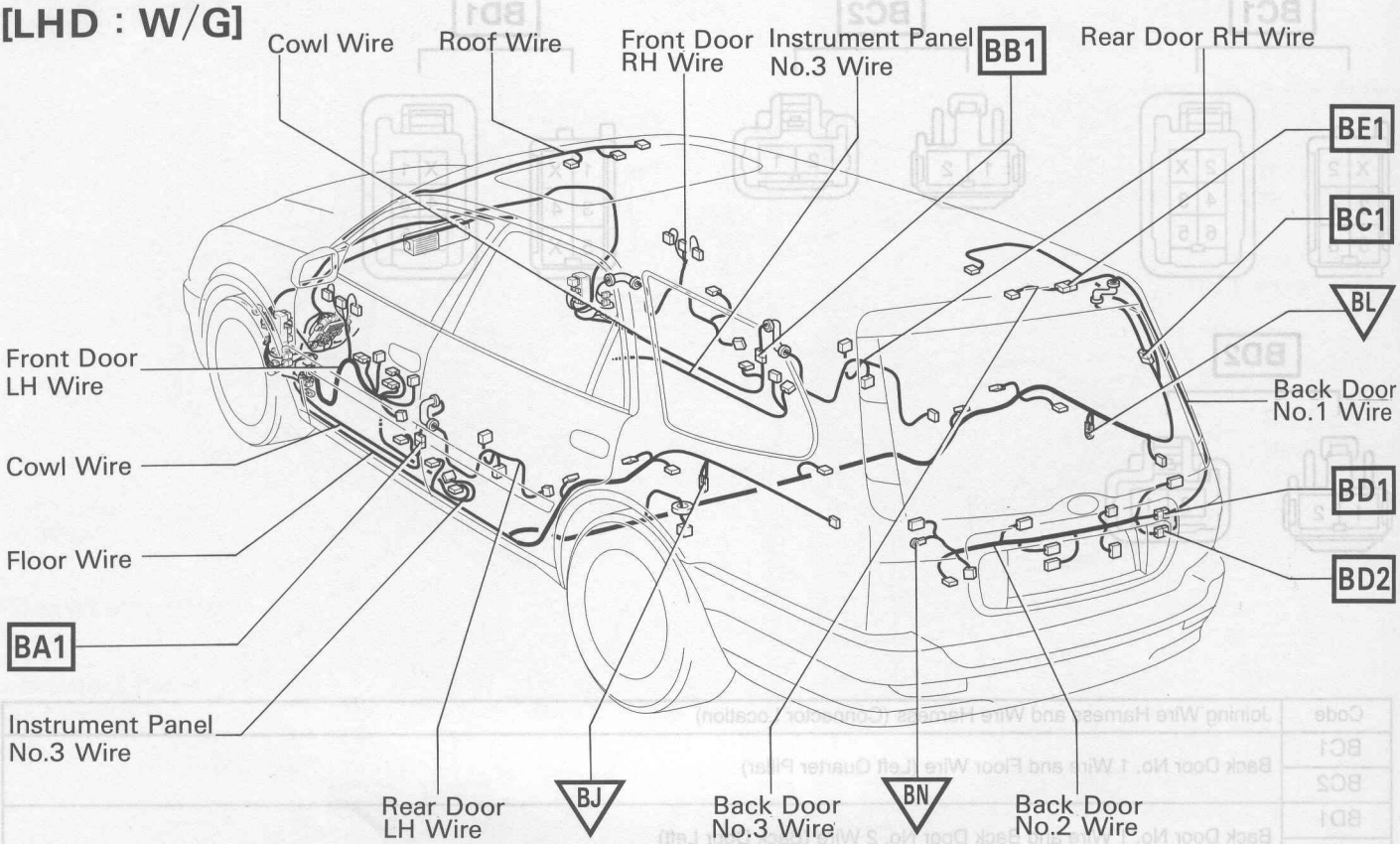


Code	Joining Wire Harness and Wire Harness (Connector Location)
BC1	Back Door No. 1 Wire and Floor Wire (Left Quarter Pillar)
BC2	
BD1	Back Door No. 1 Wire and Back Door No. 2 Wire (Back Door Left)
BD2	

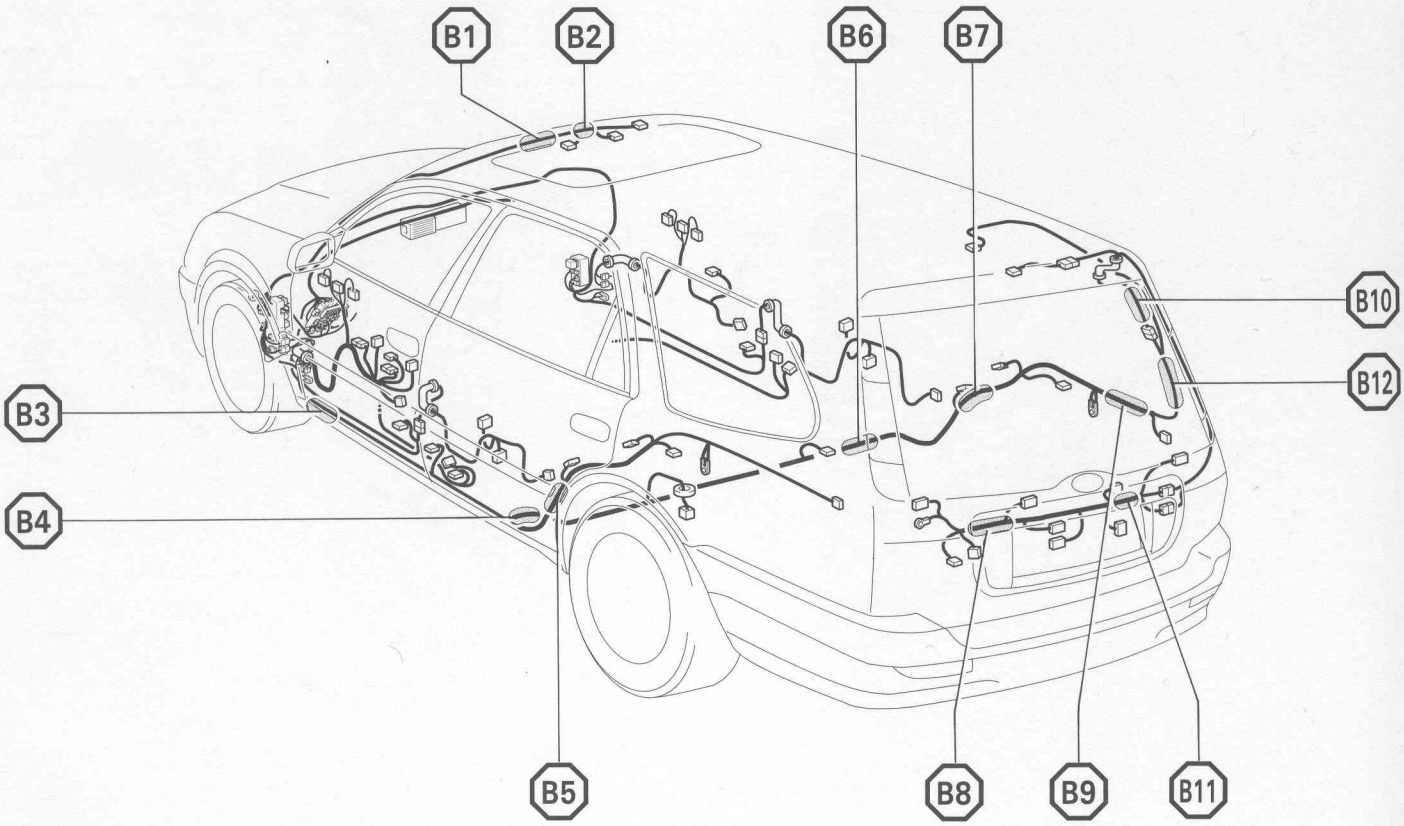
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

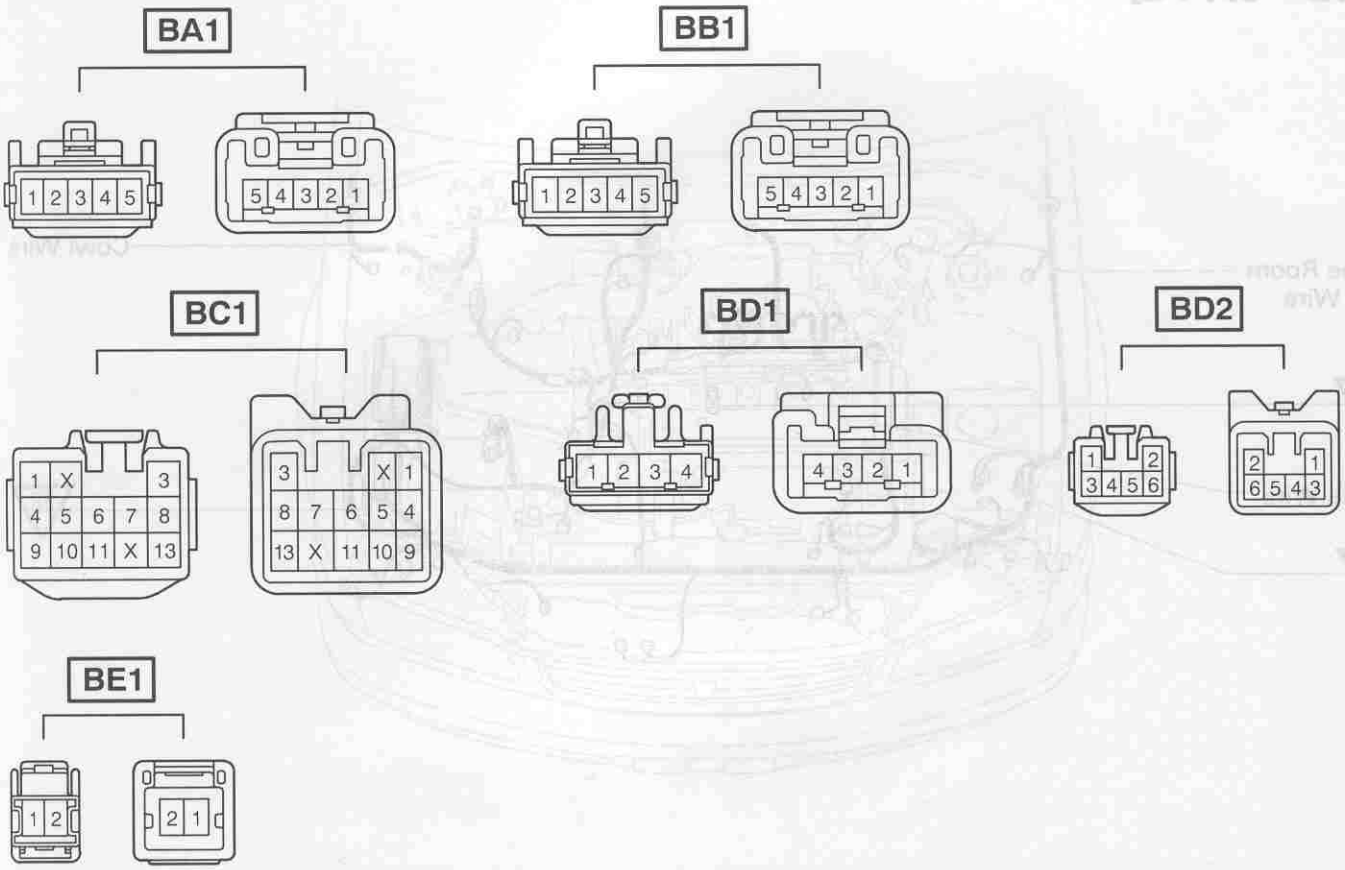
[LHD : W/G]



⬡ : 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)

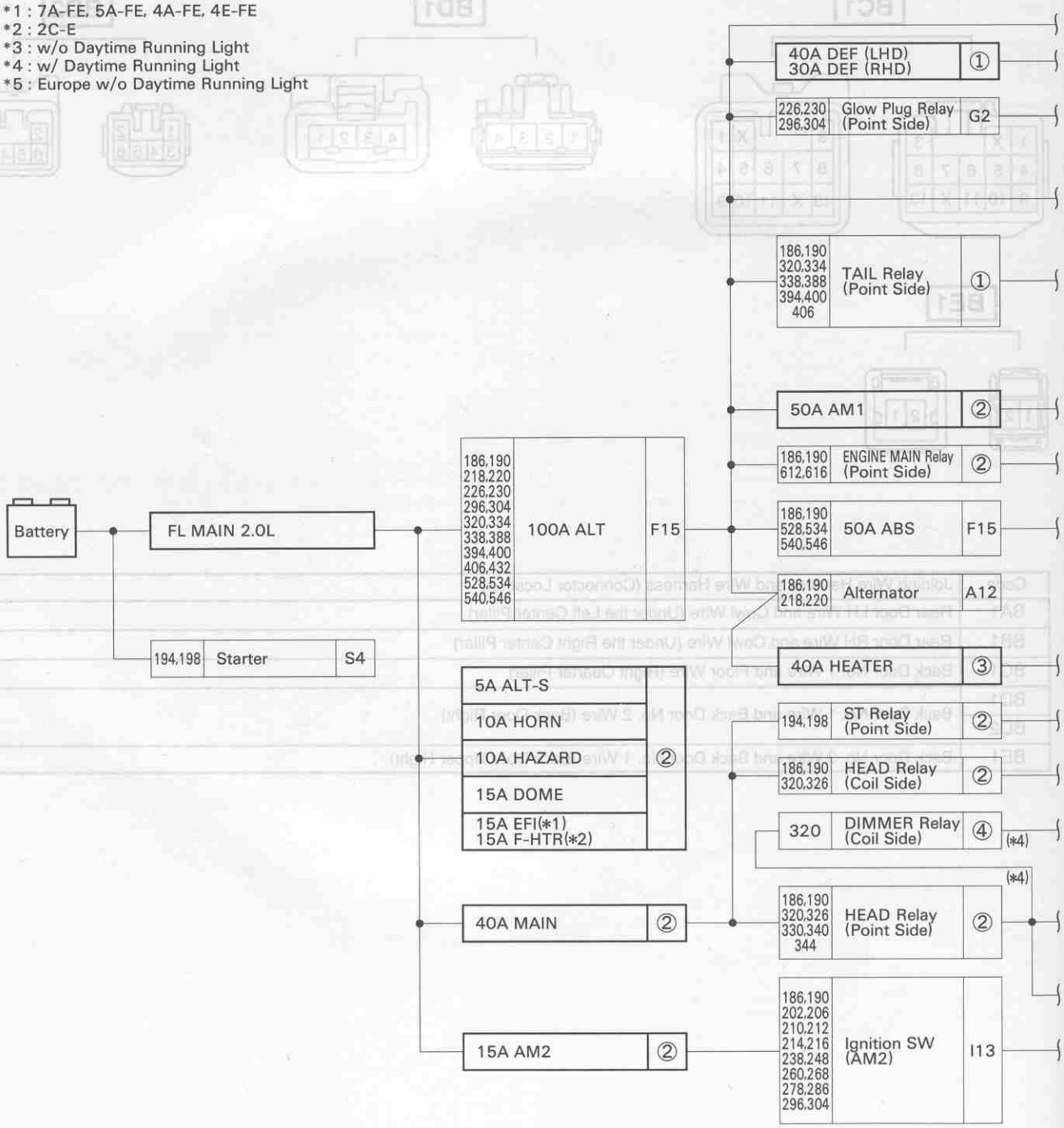
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.
The next page and following pages show the parts to which each electrical source outputs current.

Le schéma ci-après indique l'acheminement à travers lequel s'écoule le courant de la batteri à chaque source électrique (lames fusibles, disjoncteurs, fusibles, etc.) et autres pièces.
La page suivante ainsi que celles qui suivent indiquent les piéces auxquelles chaque source électrique produit du courant.

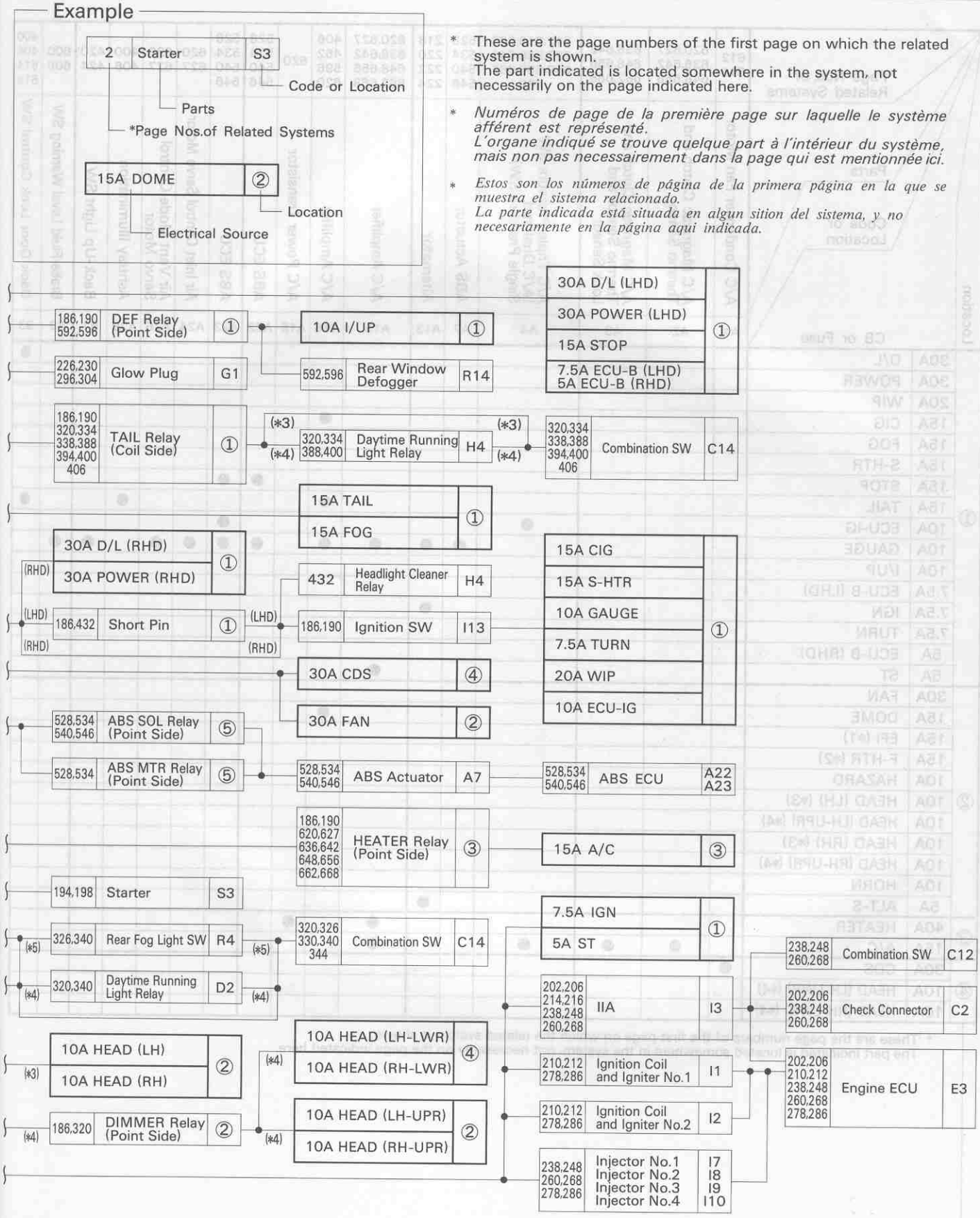
En el siguiente cuadro aparece la ruta que recorre la corriente desde la bateria hasta cada fuente de alimentación (eslabón fusible, fusible, ruptor, etc.) y otras piezas.
Las siguientes páginas indican las partes que reciben alimentación.

English

*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 necessairement 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 sition del sistema, y no necesariamente en la página aqui indicada.

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

H POWER SOURCE (Current Flow Chart)

Location	CB or Fuse		A/C Condenser Fan Motor	A/C Magnetic Clutch and Thermo Sensor	A/C Magnetic Clutch and Thermo Sensor and Lock Sensor	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	ABS Actuator	Alternator	A/C Amplifier	A/C Amplifier	A/C Power Transistor	ABS ECU	ABS ECU	Air Inlet Control Servo Motor	Air Vent Mode Control Servo Motor	Ashtray Illumination	Back-Up Light SW	Brake Fluid Level Warning SW	Back Door Lock Control SW
		*Page Nos. of Related Systems	612 616	620,627 636,642 648,656	636,642 648,656 662,668	612,616,620 627,636,642 648,656,662 668	528 534 540 546	218 220 222 224	620,627 636,642 648,656 662,668	406 462 596 620	620	528 534 540 546	528 534 540 546	620 627	620 627	400 406	420 424	600 606	400 406 514 516
		Code or Location	A1	A2	A3	A4	A7	A13	A15	A16	A18	A22	A23	A24	A26	A29	B1	B2	B3
①	30A	D/L																	●
	30A	POWER																	
	20A	WIP																	
	15A	CIG								●									
	15A	FOG																	
	15A	S-HTR																	
	15A	STOP										●	●						
	15A	TAIL								●						●			●
	10A	ECU-IG				●							●						
	10A	GAUGE					●	●	●	●		●	●	●	●		●	●	
	10A	I/UP																	
	7.5A	ECU-B (LHD)																	
	7.5A	IGN						●											
	7.5A	TURN																	
	5A	ECU-B (RHD)																	
	5A	ST							●										
②	30A	FAN																	
	15A	DOME								●									
	15A	EFI (*1)																	
	15A	F-HTR (*2)																	
	10A	HAZARD																	
	10A	HEAD (LH) (*3)																	
	10A	HEAD (LH-UPR) (*4)																	
	10A	HEAD (RH) (*3)																	
	10A	HEAD (RH-UPR) (*4)																	
	10A	HORN																	
	5A	ALT-S						●											
③	40A	HEATER							●		●								
	15A	A/C		●	●	●			●										
④	30A	CDS	●																
	10A	HEAD (LH-LWR) (*4)																	
	10A	HEAD (RH-LWR) (*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.

[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)

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

620,627 636,642 648,656 662,668	627,636 642,648 656,662 668	400,406,627 636,642,648 656,662,668	636,642 648,656 662,668	380 384	486,492 498,506 514,516	238,248,260,268 278,286,296,304 528,534,540,546 554,558	222 224	554 558	460 462	400 406	606	558	400 406	238,260 278,564 568,600 606	330	340 344
Blower Motor	Blower Resistor	Blower SW	Boost Ventilator Volume SW	Back Door Courtesy SW	Back Door Lock Motor	Check Connector	Choke Heater and Fuel Cut Solenoid	Center Airbag Sensor Assembly	Cigarette Lighter	Cigarette Lighter Illumination	Combination Meter	SRS Warning Light [Comb.Meter]	Combination Mater Illumination [Comb. Meter]	Combination Meter	High Beam Indicator Light [Comb. Meter]	Rear Fog Light Indicator Light [Comb. Meter]
B4	B5	B6	B7	B8	B9	C2	C3	C6	C8	C9	C10		C11			
					●											
								●	●							
		●								●			●	●		
		●				●								●		
						●		●								●
						●	●	●								
						●		●			●	●				●
				●												
						●										
						●										
															●	
															●	
●	●	●														
			●													

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)

English

Location	CB or Fuse		Turn Signal Indicator Light [Comb. Meter]	Combination Meter	High Beam Indicator Light [Comb. Meter]	Open Door Warning Light [Comb. Meter]	Turn Signal Indicator Light [Comb. Meter]	ABS Warnig Light [Comb.Meter]	Charge Warning Light [Comb. Meter]	Combination Meter	Glow Indicator Light [Comb. Meter]	Open Door Warning Light [Comb. Meter]	SRS Warning Light [Comb. Meter]	Turn Signal Indicator Light [Comb. Meter]	4WD Diff. Lock Indicator Light [Comb. Meter]	Combination SW	Horn SW [Comb. SW]	Turn Signal SW [Comb. SW]
	*Page Nos. of Related Systems		348 352	564 568 600 606	320 326 330	356,360 364,368 372,376 380,384	348 352	528 534 540 546	218 220 222 224	238,248,260 268,278,286 296,304,564 568,600,606	226 230	356,360 364,368 380,384	554 558	352	526	320,326 330,334 338,340 344	466	348 352
	Parts																	
	Code or Location		C11			C12					C13					C14		
①	30A	D/L																
	30A	POWER																
	20A	WIP																
	15A	CIG																
	15A	FOG																
	15A	S-HTR																
	15A	STOP																
	15A	TAIL	●									●				●		
	10A	ECU-IG																
	10A	GAUGE		●				●		●	●				●			
	10A	I/UP																
	7.5A	ECU-B (LHD)								●			●					
	7.5A	IGN							●	●								
	7.5A	TURN	●				●							●				●
	5A	ECU-B (RHD)								●			●					
	5A	ST																
②	30A	FAN																
	15A	DOME		●		●				●		●						
	15A	EFI (*1)																
	15A	F-HTR (*2)																
	10A	HAZARD	●				●							●				
	10A	HEAD (LH) (*3)			●											●		
	10A	HEAD (LH-UPR) (*4)																
	10A	HEAD (RH) (*3)			●											●		
	10A	HEAD (RH-UPR) (*4)			●											●		
	10A	HORN															●	
	5A	ALT-S																
③	40A	HEATER																
	15A	A/C																
④	30A	CDS																
	10A	HEAD (LH-LWR) (*4)																
	10A	HEAD (RH-LWR) (*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.

[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)

436 440	464 466	444 448 452 456	526 600	320,340 400,460 600	528	400 526	356,360 364,368 380,384	564 568	498 506	492 506	400 406	356,360 364,368 372,376	356,360 364,368 372,376 380,384	356,360 364,368 372,376 380,384	356,360 364,368 380,384	356,360 364,368 380,384	486 492 498 506	486 492 498 506	486 492 498 506	486 492 498 506
Front Wiper and Washer SW [Comb. SW]	Horn SW [Comb. SW]	Rear Wiper and Washer SW [Comb. SW]	Diff. Lock Indicator SW	Daytime Running Light Relay	Deceleration Sensor	Diff. Lock Control SW	Diode (Door Courtesy)	Diode (O/D)	Door Control Receiver	Door Lock Control Relay	Door Lock Control SW	Diode (Door Courtesy)	Door Courtesy SW Front LH	Door Courtesy SW Front RH	Door Courtesy SW Rear LH	Door Courtesy SW Rear RH	Door Lock Motor Front LH	Door Lock Motor Front RH	Door Lock Motor Rear LH	Door Lock Motor Rear RH
	C15		D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D17	D18	D19	D20
										●							●	●	●	●
●		●																		
				●		●					●									
					●															
			●	●		●		●	●	●										
				●			●		●			●	●	●	●	●				
	●																			

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)

English

Location	CB or Fuse		EFI Water Temp. Sensor and Water Temp. Sender	Engine ECU	Engine ECU	Engine ECU	Extra High Speed Relay (Coil Side)	Extra High Speed Relay (Point Side)	Front Clearance Light LH	Front Clearance Light RH	Front Fog Light LH	Front Fog Light RH	Front Side Turn Signal Light LH	Front Side Turn Signal Light RH	Front Turn Signal Light LH	Front Turn Signal Light RH	Front Wiper Motor	Fuel Cut Solenoid and Pick-Up Sensor
		*Page Nos. of Related Systems	600 606	194,198,238,248 260,268,278,286 296,304,564,568 612,616	194 198 278 286	194,198 238,248 260,268 296,304	620	620	388 394	388 394	334 338	334 338	348 352	348 352	348 352	348 352	436 440	226 230
		Parts																
		Code or Location	E2	E3	E4	E5	E6		F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
	30A	D/L																
	30A	POWER																
	20A	WIP															●	
	15A	CIG																
	15A	FOG									●	●						
	15A	S-HTR																
	15A	STOP																
①	15A	TAIL			●	●			●	●								
	10A	ECU-IG		●														
	10A	GAUGE	●	●	●	●	●											
	10A	I/UP				●												
	7.5A	ECU-B (LHD)																
	7.5A	IGN																●
	7.5A	TURN											●	●	●	●		
	5A	ECU-B (RHD)																
	5A	ST		●	●	●												
	30A	FAN																
	15A	DOME																
	15A	EFI (*1)		●	●	●												
	15A	F-HTR (*2)		●		●												
	10A	HAZARD											●	●	●	●		
②	10A	HEAD (LH) (*3)																
	10A	HEAD (LH-UPR) (*4)																
	10A	HEAD (RH) (*3)																
	10A	HEAD (RH-UPR) (*4)																
	10A	HORN																
	5A	ALT-S																
③	40A	HEATER						●										
	15A	A/C																
	30A	CDS																
④	10A	HEAD (LH-LWR) (*4)																
	10A	HEAD (RH-LWR) (*4)																

* These are the page numbers of the first page on which the related system is shown.
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[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)

296 304	600 606	234	334 338	334 338	238,248 260,268 278,286 600,606	600	428 430	428 430	432	320 326 330	320 326 330	260 268 278 286	464 466	464 466	348 352 400 406	400 406 428 430	400	400,406,460,462 592,596,627,636 642,648,656,662 668	412 416	238,248 260,268 278,286
Fuel Cut Valve	Fuel Filter Warning SW	Fuel Heater	Fog Light Relay (Coil Side)	Fog Light Relay (Point Side)	Fuel Pump and Sender	Fuel Sender (4WD)	Headlight Beam Level Control Actuator LH	Headlight Beam Level Control Actuator RH	Headlight Cleaner Relay	Headlight LH	Headlight RH	Heated Oxygen Sensor	Horn (High)	Horn (Low)	Hazard SW	Headlight Beam Level Control SW	Headlight Cleaner SW	Heater Control SW	High Mounted Stop Light	ISC Valve
F11	F12	F13	F16		F19	F20	H1	H2	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	I12
									●											
				●														●		
			●																●	
															●	●	●	●		
	●				●	●												●		
															●					
●		●			●							●						●		●
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							●	●			●					●				
											●									
													●	●						
																		●		
										●										
							●	●			●					●				

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)

Location	CB or Fuse		Integration Relay (I14)	Integration Relay (I15)	Interior Light (I16)	License Plate Light (L1)	License Plate Light LH (L2)	License Plate Light RH (L3)	Luggage Compartment Light (L4)
		*Page Nos. of Related Systems	218,220,226,230,238,248,260,268,278,286,296,304,320,340 344,356,360,364,368,372,376,380,384,400,406,420,424,460 462,468,470,526,528,534,540,546,564,568,572,574,576,580 584,586,588,590,600,606,620,627,636,642,648,656,662,668	486 498	356,360 364,368 372,376	388 394	388 394	388 394	356,360 364,368 372,376 380,384
①	30A	D/L		●					
	30A	POWER							
	20A	WIP							
	15A	CIG	●						
	15A	FOG							
	15A	S-HTR	●						
	15A	STOP							
	15A	TAIL	●			●	●	●	
	10A	ECU-IG							
	10A	GAUGE	●						
	10A	I/UP							
	7.5A	ECU-B (LHD)							
	7.5A	IGN							
	7.5A	TURN							
	5A	ECU-B (RHD)							
	5A	ST							
②	30A	FAN							
	15A	DOME	●		●				●
	15A	EFI (*1)							
	15A	F-HTR (*2)							
	10A	HAZARD							
	10A	HEAD (LH) (*3)							
	10A	HEAD (LH-UPR) (*4)							
	10A	HEAD (RH) (*3)							
	10A	HEAD (RH-UPR) (*4)							
	10A	HORN							
	5A	ALT-S							
③	40A	HEATER							
	15A	A/C							
④	30A	CDS							
	10A	HEAD (LH-LWR) (*4)							
	10A	HEAD (RH-LWR) (*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.

[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)

356,360 364,368 372,376	518 522	356,360,364 368,372,376 380,384,518 522	518 522	194,198,238 248,260,268 278,286,420 424,564,568	564 568	600 606	222 224	564 568	400 406 564 568	236	600 606	226 230	380 384	480	474	474 480	474 480	474 480	474 480	474 480	474 480	474 480	612 616
Luggage Compartment Light SW	Moon Roof Control Relay	Moon Roof Control SW	Moon Roof Motor and Limit SW	Neutral Start SW	O/D Solenoid	Oil Pressure SW	Outer Vent Control Valve	O/D ECU	O/D SW	PTC Heater	Parking Brake SW	Pre-Heating Timer	Personal Light	Power Window Control SW Front LH	Power Window Control SW Front RH	Power Window Control SW Rear LH	Power Window Control SW Rear RH	Power Window Master SW	Power Window Motor Front LH	Power Window Motor Front RH	Power Window Motor Rear LH	Power Window Motor Rear RH	Radiator Fan Motor
L5	M1	M2	M3	N1	O1	O2	O3	O5	O6	P1	P2	P3	P4	P5	P6	P7	P8	P10	P11	P12	P13	P14	R1
	●	●	●											●	●	●	●	●	●	●	●	●	
									●														
				●	●	●		●	●		●	●											
							●																
				●																			
																							●
●		●								●			●										
																							●

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)

Location	CB or Fuse		Radio and Player	Rear Fog Light SW	Remote Control Mirror SW	Rheostat or Short Connector	Back-Up Light LH [Rear Comb. Light LH]	Rear Fog Light LH [Rear Comb. Light LH]	Rear Turn Signal Light LH [Rear Comb. Light LH]	Stop Light LH [Rear Comb. Light LH]	Taillight LH [Rear Comb. Light LH]	Back-Up Light LH [Rear Comb. Light LH]	Rear Fog Light LH [Rear Comb. Light LH]	Taillight LH [Rear Comb. Light LH]	Back-Up Light RH [Rear Comb. Light RH]	Rear Fog Light RH [Rear Comb. Light RH]	Rear Turn Signal Light RH [Rear Comb. Light RH]	Stop Light RH [Rear Comb. Light RH]	Taillight RH [Rear Comb. Light RH]	Back-Up Light RH [Rear Comb. Light RH]	Rear Fog Light RH [Rear Comb. Light RH]	Taillight RH [Rear Comb. Light RH]	Rear Fog Light	Rear Wiper Motor
		*Page Nos. of Related Systems	400 406 588 590	340 344 400 406	468 470	400 406 600 606	420 424	340	348 352	412 416	388 394	420 424	340	388 394	420 424	344	348 352	412 416	388 394	420 424	344	388 394	340 344	452 456
		CB or Fuse	R3	R4	R5	R6			R7				R8				R9				R10		R11	R16
①	30A	D/L																						
①	30A	POWER																						
①	20A	WIP																						●
①	15A	CIG	●		●																			
①	15A	FOG																						
①	15A	S-HTR																						
①	15A	STOP								●								●						
①	15A	TAIL	●	●		●					●			●					●			●		
①	10A	ECU-IG																						
①	10A	GAUGE					●					●			●					●				
①	10A	I/UP																						
①	7.5A	ECU-B (LHD)		●				●					●										●	
①	7.5A	IGN																						
①	7.5A	TURN							●								●							
①	5A	ECU-B (RHD)		●												●					●		●	
①	5A	ST																						
②	30A	FAN																						
②	15A	DOME	●																					
②	15A	EFI (*1)																						
②	15A	F-HTR (*2)																						
②	10A	HAZARD							●								●							
②	10A	HEAD (LH) (*3)																						
②	10A	HEAD (LH-UPR) (*4)																						
②	10A	HEAD (RH) (*3)																						
②	10A	HEAD (RH-UPR) (*4)																						
②	10A	HORN																						
②	5A	ALT-S																						
③	40A	HEATER																						
③	15A	A/C																						
④	30A	CDS																						
④	10A	HEAD (LH-LWR) (*4)																						
④	10A	HEAD (RH-LWR) (*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.

[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)

452 456	444 448	468 470 592 596	468 470 592 596	238,260 278,564 600	296 304	584	584	400 584	586	412,416 528,534 540,546 586	296 304	312 316	600 606	238 648 656	526	526	248	296 304	436,440 444,448 452,456	600 606	568	612 616	592 596	238,248 260,268 278,286
Rear Wiper Relay	Rear Wiper Relay and Motor	Remote Control Mirror LH	Remote Control Mirror RH	Speed Sensor	Spill Valve	Seat Heater (Driver's Seat)	Seat Heater (Front Passenger's Seat)	Seat Heater SW	Shift Lock ECU	Stop Light SW	Timing Control Valve	Transponder Key Computer	Vacuum Warning SW	VSV (A/C Idle-Up)	VSV (Diff. Lock No.1)	VSV (Diff. Lock No.2)	VSV (EVAP)	VSV (EVRV)	Washer Motor	Water Temp. Sender	Water Temp. SW (O/D)	Water Temp. SW (Radiator Fan)	DEF Relay (Coil Side)	EFI Relay (Coil Side)
R17	R18	R19	R20	S1	S2	S5	S6	S7	S8	S13	T3	T5	V2	V4	V5	V6	V7	V8	W1	W2	W4	W6	①	②
●	●																		●					
		●	●						●															
						●	●	●																
									●	●														
								●																
									●													●		
				●									●		●	●				●	●		●	
		●	●																					
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														●			●							
					●						●							●						
														●										

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)

Location	Code or Location	CB or Fuse	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)
		*Page Nos. of Related Systems	238,248 260,268 278,286	186 612 616	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
						②					③					④		⑤
①	30A	D/L																
①	30A	POWER																
①	20A	WIP																
①	15A	CIG																
①	15A	FOG																
①	15A	S-HTR																
①	15A	STOP																
①	15A	TAIL																
①	10A	ECU-IG		●			●						●					
①	10A	GAUGE									●							●
①	10A	I/UP																
①	7.5A	ECU-B (LHD)																
①	7.5A	IGN			●													
①	7.5A	TURN																
①	5A	ECU-B (RHD)																
①	5A	ST								●								
②	30A	FAN						●										
②	15A	DOME																
②	15A	EFI (*1)	●															
②	15A	F-HTR (*2)				●												
②	10A	HAZARD																
②	10A	HEAD (LH) (*3)																
②	10A	HEAD (LH-UPR) (*4)																
②	10A	HEAD (RH) (*3)																
②	10A	HEAD (RH-UPR) (*4)																
②	10A	HORN							●									
②	5A	ALT-S																
③	40A	HEATER										●						
③	15A	A/C													●		●	
④	30A	CDS												●		●		
④	10A	HEAD (LH-LWR) (*4)																
④	10A	HEAD (RH-LWR) (*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.

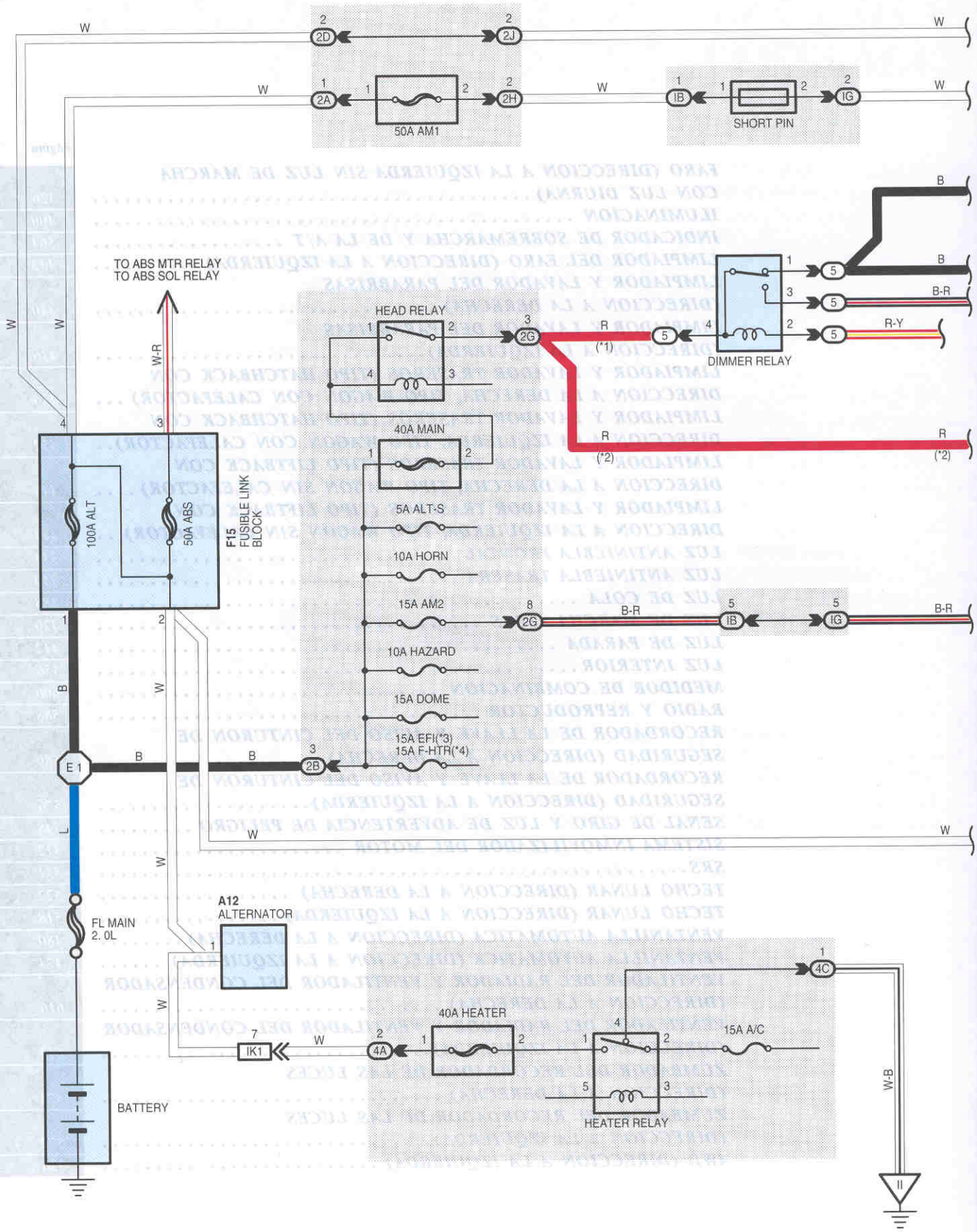
[LOCATION] ①:Instrument Panel J/B (See page 56 (LHD) or 58 (RHD))
③:J/B No.4 (See page 68)
⑤:ABS R/B (See page 54)

238,248 260,268 278,286 296,304	236,238,248 260,268,278 286,296,304	348 352	474 480 518 522	474 480 518 522
C/OPN Relay (Coil Side)	C/OPN Relay (Point Side)	FLASHER Relay	P/W Relay (Coil Side)	P/W Relay (Point Side)
⑥				
				●
			●	
		●		
	●			
●	●			
●	●			
		●		

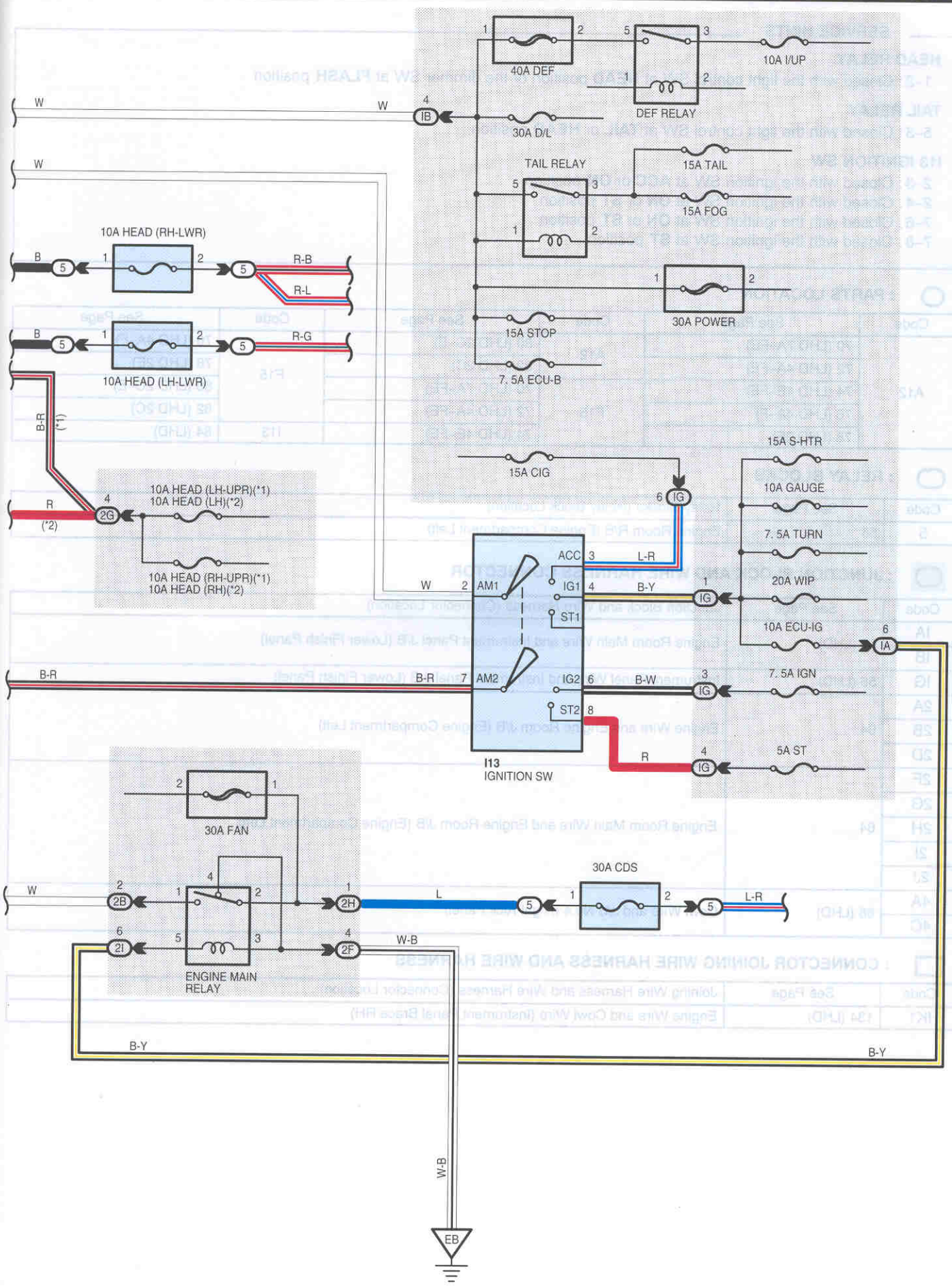
②:Engine Room J/B (See page 64)
④:Engine Room R/B (See page 55)
⑥:Driver Side R/B (See page 54)

English

COROLLA ELECTRICAL WIRING DIAGRAM SYSTEM CIRCUITS


2D
2J
2A
2H
50A AM1
1B
1G
SHORT PIN
TO ABS MTR RELAY
TO ABS SOL RELAY
W-R
HEAD RELAY
2G
DIMMER RELAY
R-Y
B-R
(*1)
(*2)
40A MAIN
5A ALT-S
10A HORN
15A AM2
10A HAZARD
15A DOME
15A EFI(*3)
15A F-HTR(*4)
2B
100A ALT
50A ABS
F15
FUSIBLE LINK
BLOCK
E1
FL MAIN
2. 0L
A12
ALTERNATOR
IK1
4A
40A HEATER
4C
15A A/C
HEATER RELAY
BATTERY
W-B

*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)	I13	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)

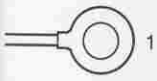
: GROUND POINTS

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)				

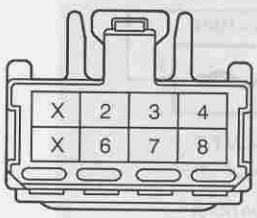
A12



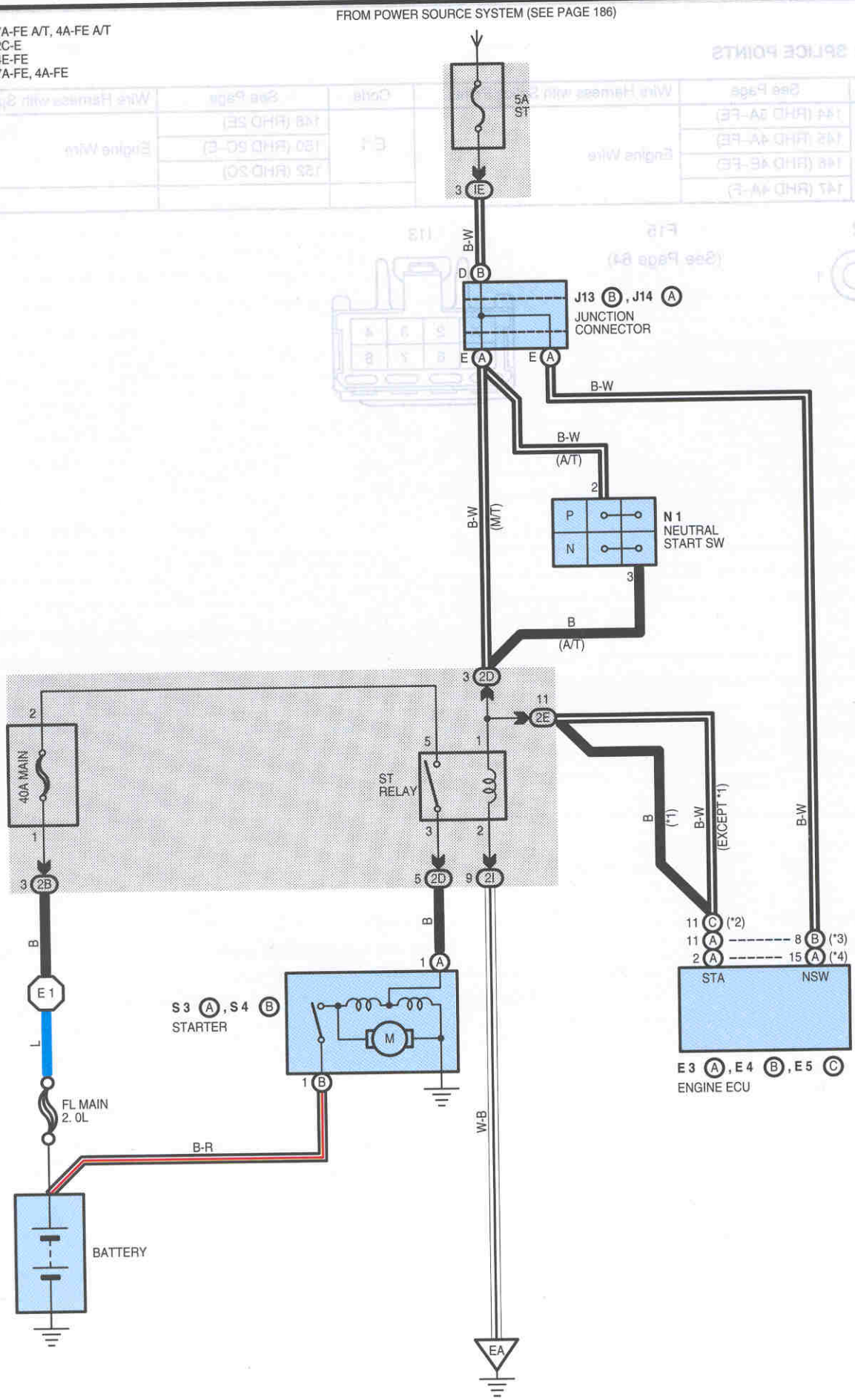
F15

(See Page 64)

I13



STARTING(LHD)



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
E 3	A	84 (LHD)
E 4	B	84 (LHD)
E 5	C	84 (LHD)
J13	B	86 (LHD)
J14	A	86 (LHD)
N 1		70 (LHD 7A-FE)
		72 (LHD 4A-FE)
		74 (LHD 4E-FE)

Code		See Page
N 1		76 (LHD 4A-F)
		78 (LHD 2E)
S 3	A	70 (LHD 7A-FE)
		72 (LHD 4A-FE)
		74 (LHD 4E-FE)
		76 (LHD 4A-F)
		78 (LHD 2E)
		80 (LHD 2C-E)

Code		See Page
S 3	A	82 (LHD 2C)
S 4	B	70 (LHD 7A-FE)
		72 (LHD 4A-FE)
		74 (LHD 4E-FE)
		76 (LHD 4A-F)
		78 (LHD 2E)
		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

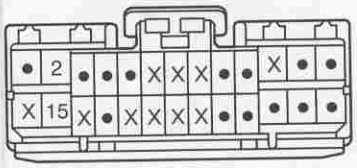
Code	See Page	Ground Points Location
EA	122 (LHD 7A-FE)	Front Side of Right Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	

⬡ : SPLICE POINTS

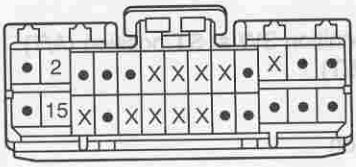
Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	

Code	See Page	Wire Harness with Splice Points
E 1	126 (LHD 2E)	Engine Wire
	128 (LHD 2C-E)	
	130 (LHD 2C)	

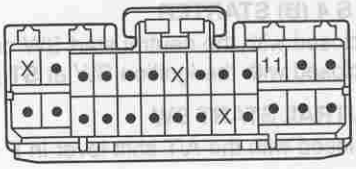
(7A-FE) E 3 (A) DARK GRAY



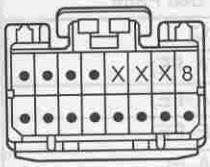
(4A-FE) E 3 (A) DARK GRAY



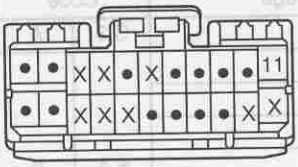
(4E-FE) E 3 (A) DARK GRAY



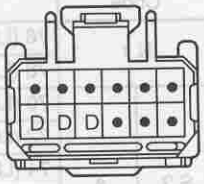
E 4 (B) DARK GRAY



E 5 (C) DARK GRAY

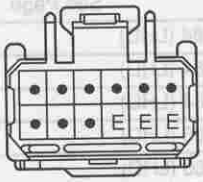


J13 (B) BLACK



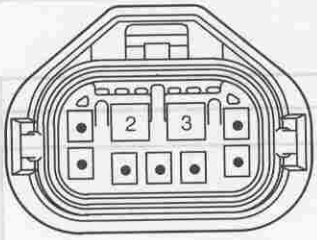
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

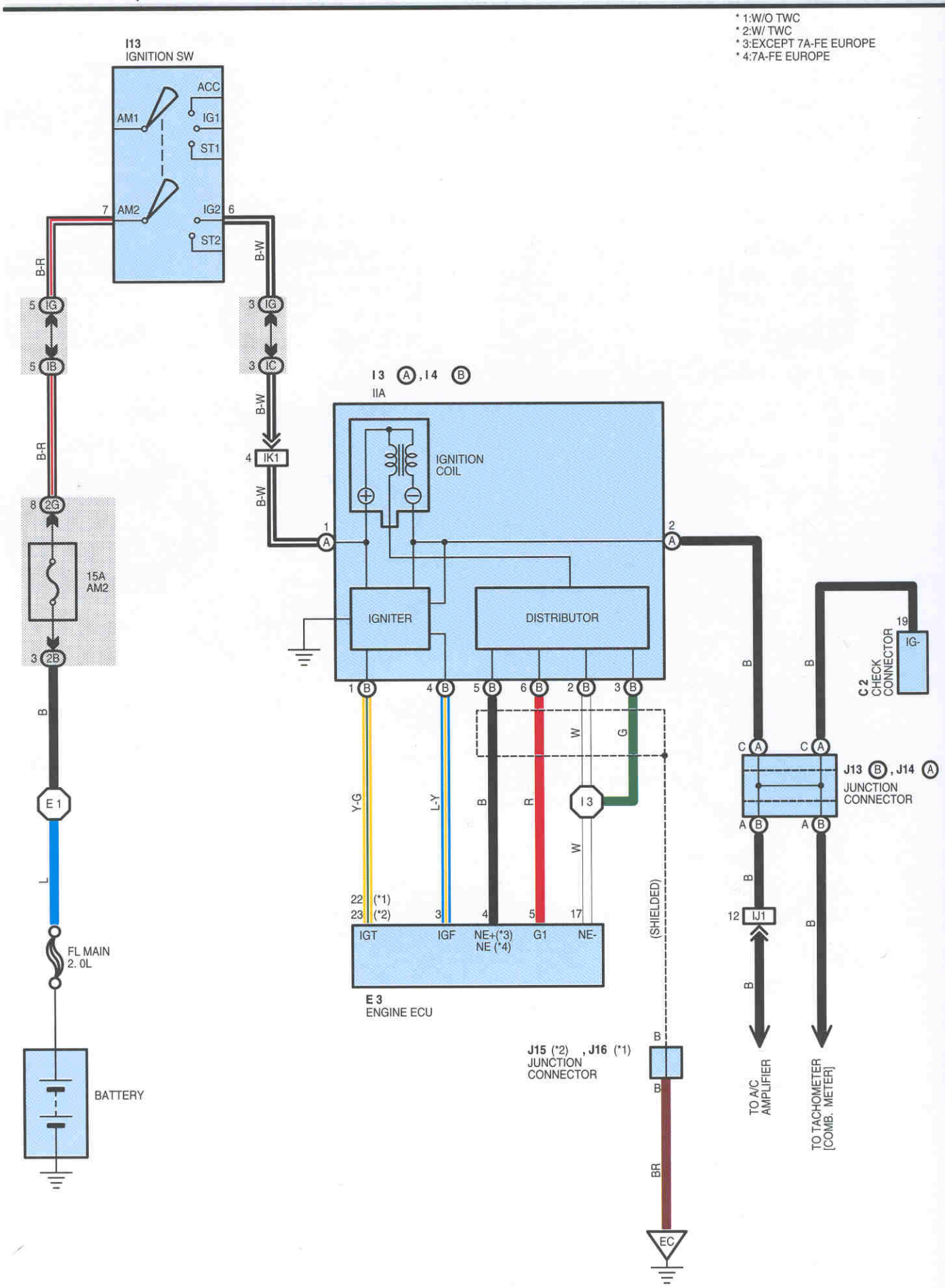
N 1 GRAY



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	86 (LHD)
		72 (LHD 4A-FE)	I 4	B	70 (LHD 7A-FE)	J14	A	86 (LHD)
E 3		84 (LHD)			72 (LHD 4A-FE)	J15		86 (LHD)
I 3	A	70 (LHD 7A-FE)	I13		84 (LHD)	J16		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)

▽ : GROUND POINTS

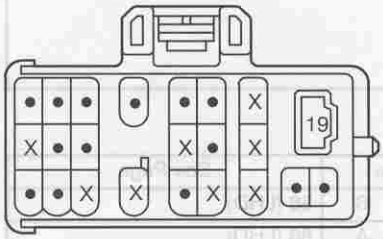
Code	See Page	Ground Points Location
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	

⬡ : SPLICE POINTS

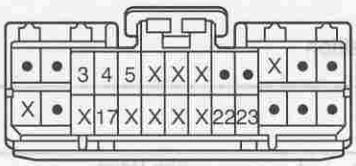
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	I 3	134 (LHD)	Engine Wire
	123 (LHD 4A-FE)				

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

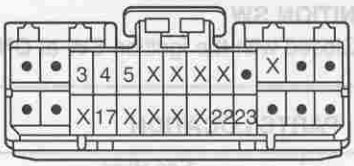
C 2 BLACK



(7A-FE) E 3 DARK GRAY



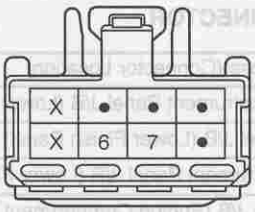
(4A-FE) E 3 DARK GRAY



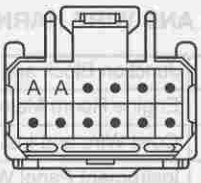
I 3 (A) DARK GRAY

I 4 (B) DARK GRAY

I13

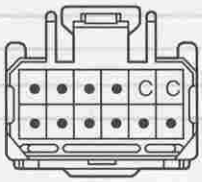


J13 (B) BLACK



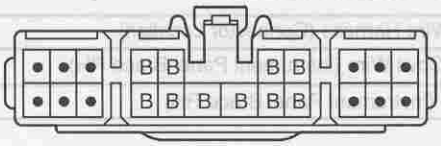
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



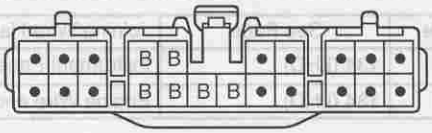
(Hint:See Page 7, 23, 39)

J15

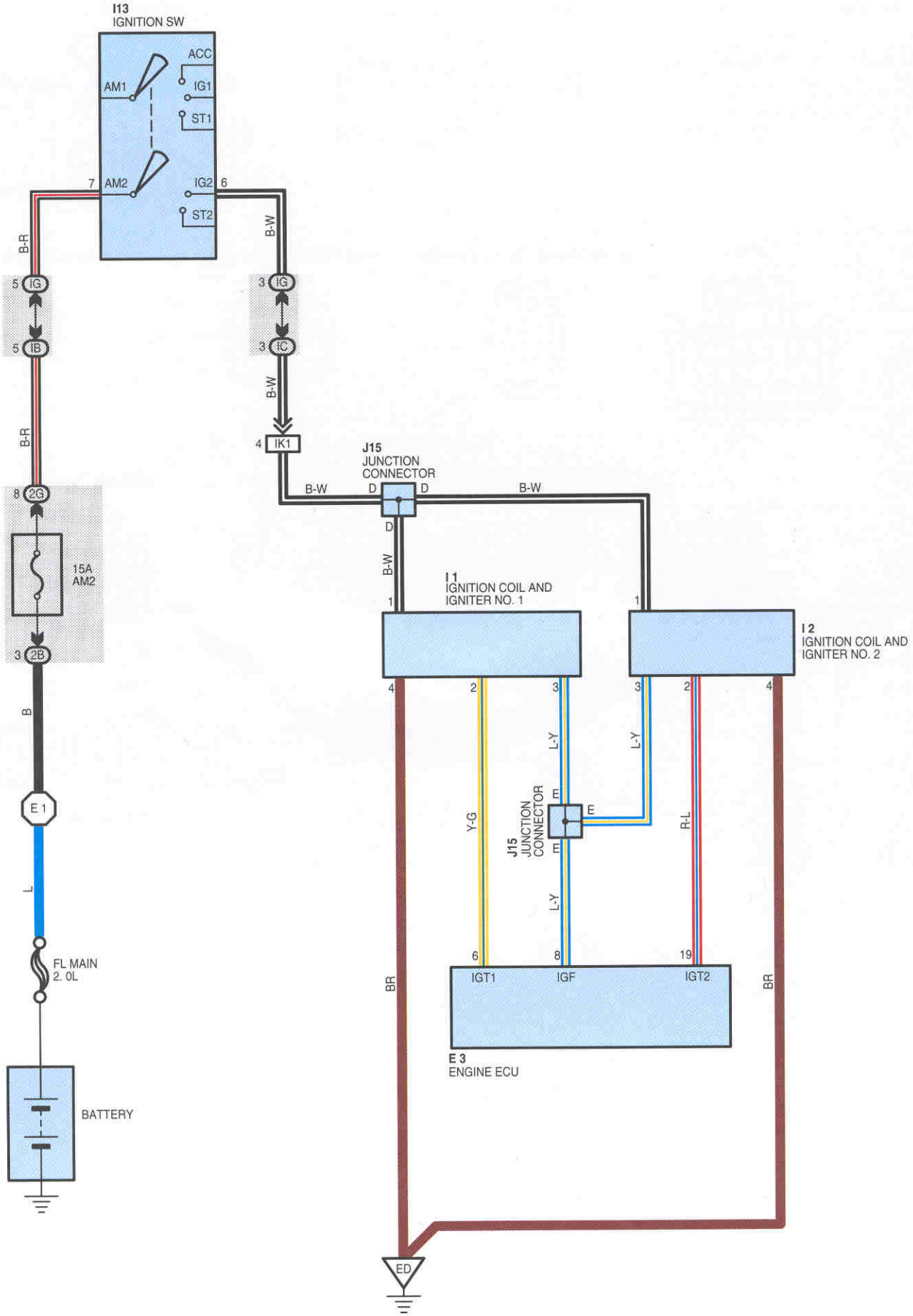


(Hint:See Page 7, 23, 39)

J16



(Hint:See Page 7, 23, 39)


I13
IGNITION SW
ACC
AM1
IG1
ST1
7
AM2
IG2
6
ST2
B-R
B-W
5 IG
5 IB
3 IG
3 IC
B-W
4 IK1
J15
JUNCTION
CONNECTOR
B-W
D
D
B-W
D
B-W
B-R
8 2G
15A
AM2
3 2B
B
E 1
L
FL MAIN
2. 0L
BATTERY
I 1
IGNITION COIL AND
IGNITER NO. 1
1
1
I 2
IGNITION COIL AND
IGNITER NO. 2
4
2
3
3
2
4
L-Y
L-Y
Y-G
E
E
J15
JUNCTION
CONNECTOR
R-L
L-Y
6
8
19
IGT1
IGF
IGT2
BR
BR
E 3
ENGINE ECU
ED

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)

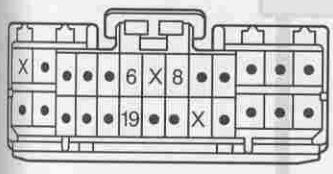
▽ : GROUND POINTS

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			

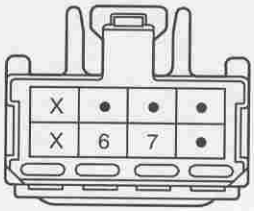
E 3 DARK GRAY



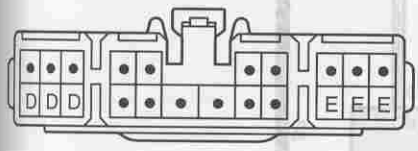
I 1 GRAY

I 2 BLACK

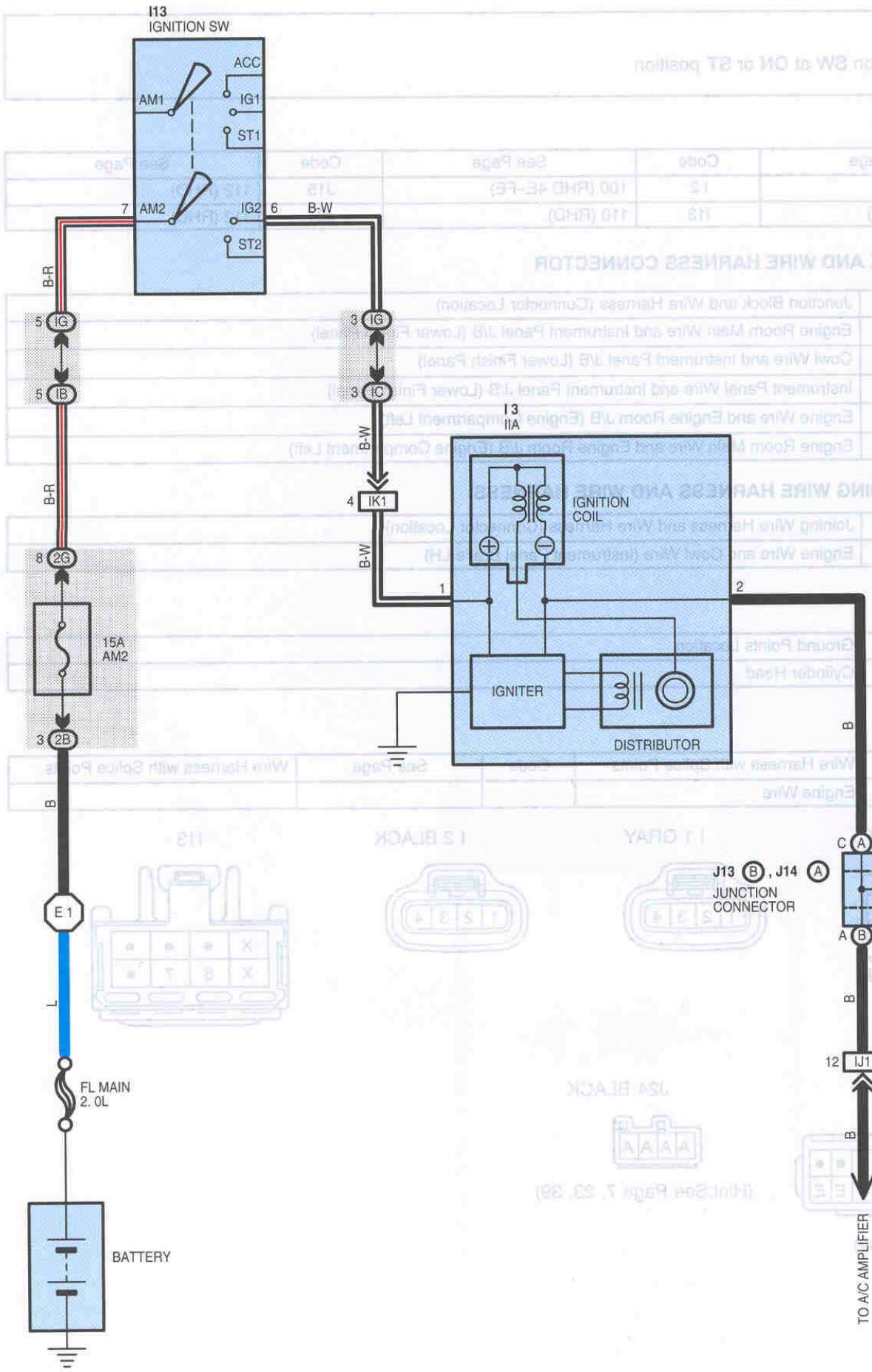
I13



J15



(Hint:See Page 7, 23, 39)


I13
IGNITION SW
ACC
AM1
IG1
ST1
7
AM2
IG2
6
B-W
ST2
B-R
5 IG
5 IB
B-R
8 2G
15A
AM2
3 2B
B
E 1
L
FL MAIN
2. 0L
BATTERY
3 IG
3 IC
B-W
4 IK1
B-W
I3
IIA
IGNITION
COIL
1
2
IGNITER
DISTRIBUTOR
B
C A
J13 B , J14 A
JUNCTION
CONNECTOR
A B
A B
B
B
12 IJ1
B
B
TO A/C AMPLIFIER
TO TACHOMETER
[COMB. METER]

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)	I13		84 (LHD)	J14	A	86 (LHD)
	78 (LHD 2E)	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

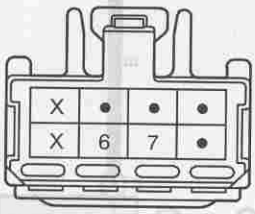
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
IK1	134 (LHD)	Engine Wire and Cowl Wire (Instrument Panel Brace RH)

: SPLICE POINTS

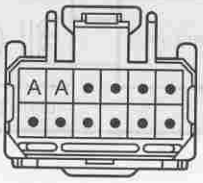
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	125 (LHD 4A-F)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire

I 3 DARK GRAY

I13

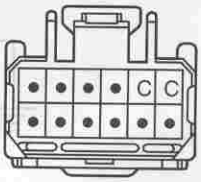


J13 (B) BLACK



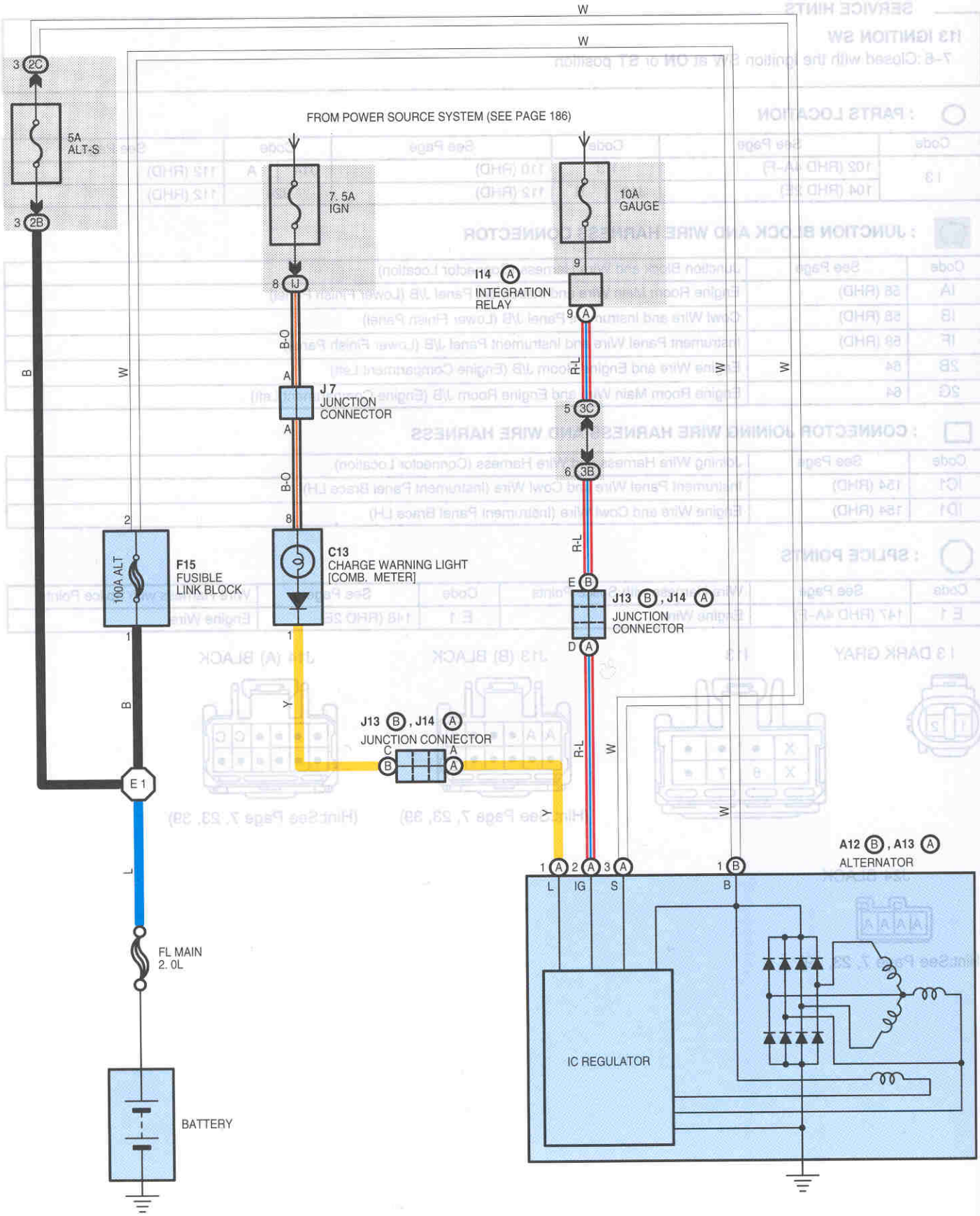
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

CHARGING(LHD)



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)	F15		76 (LHD 4A-F)
		72 (LHD 4A-FE)			76 (LHD 4A-F)			78 (LHD 2E)
		74 (LHD 4E-FE)			78 (LHD 2E)			80 (LHD 2C-E)
		76 (LHD 4A-F)			80 (LHD 2C-E)			82 (LHD 2C)
		78 (LHD 2E)			82 (LHD 2C)	I14	A	84 (LHD)
		80 (LHD 2C-E)	C13		84 (LHD)	J 7		86 (LHD)
		82 (LHD 2C)	F15		70 (LHD 7A-FE)	J13	B	86 (LHD)
A13	A	70 (LHD 7A-FE)			72 (LHD 4A-FE)	J14	A	86 (LHD)
		72 (LHD 4A-FE)			74 (LHD 4E-FE)			

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

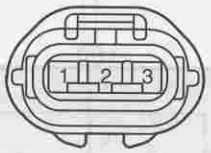
Code	See Page	Junction Block and Wire Harness (Connector Location)
IJ	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2C		
3B	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3C		

⬡ : SPLICE POINTS

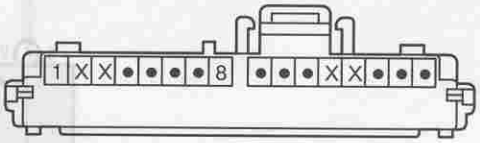
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				

A12 (B)

A13 (A) GRAY



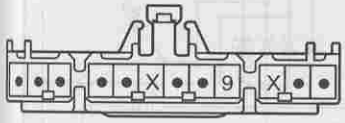
C13



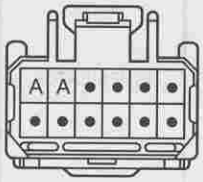
F15

(See Page 64)

I14 (A)

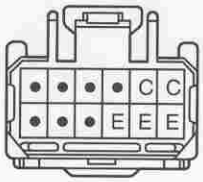


J 7



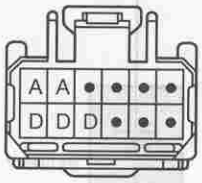
(Hint:See Page 7, 23, 39)

J13 (B) BLACK

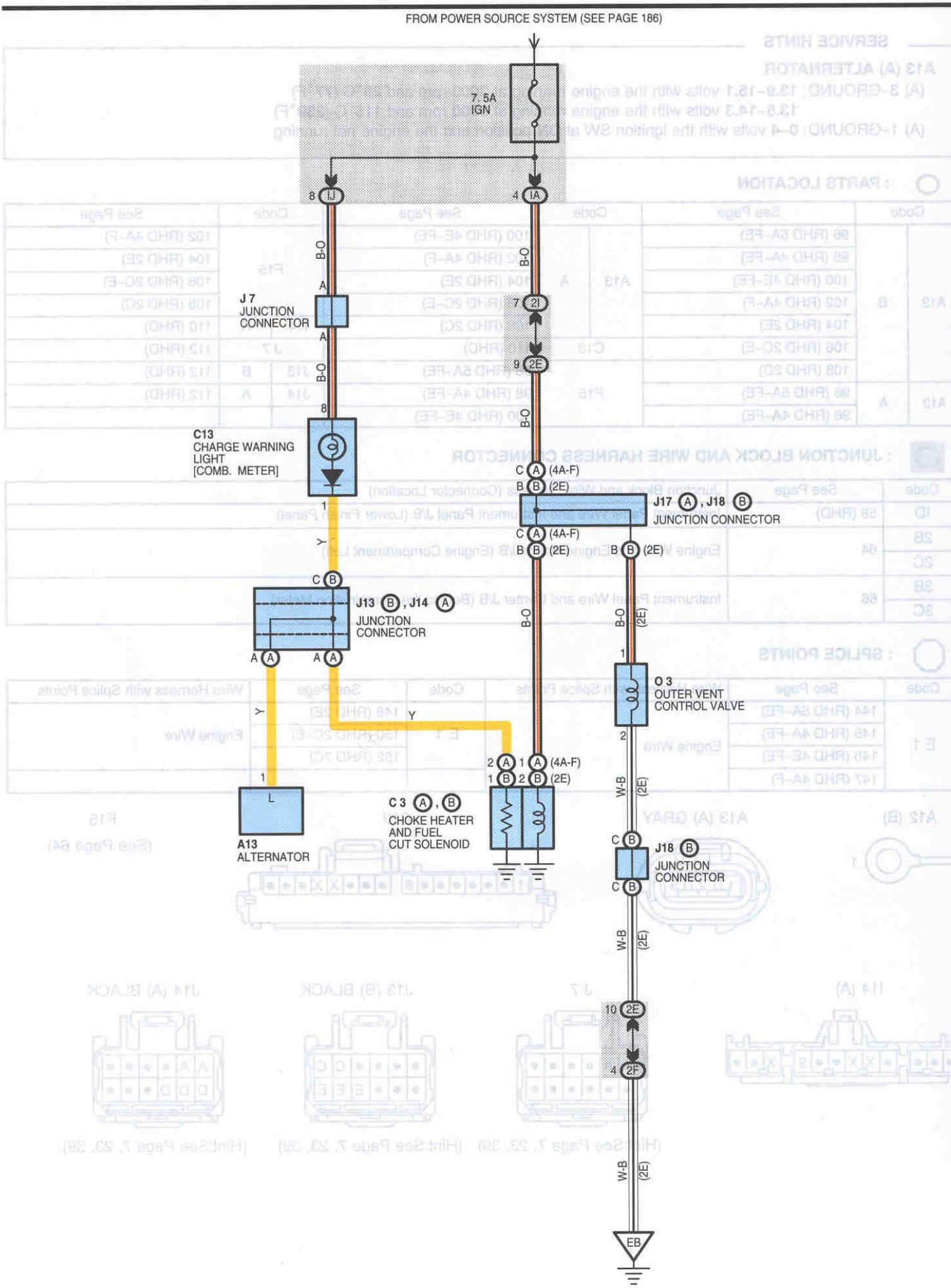


(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)


FROM POWER SOURCE SYSTEM (SEE PAGE 186)
7.5A
IGN
8 IJ
4 IA
B-O
A
J 7
JUNCTION
CONNECTOR
A
B-O
8
C13
CHARGE WARNING
LIGHT
[COMB. METER]
1
Y
C B
J13 B , J14 A
JUNCTION
CONNECTOR
A A A A
Y
1
L
A13
ALTERNATOR
7 2I
9 2E
B-O
C A (4A-F)
B B (2E)
J17 A , J18 B
JUNCTION CONNECTOR
C A (4A-F)
B B (2E)
B B (2E)
B-O
B-O
(2E)
1
O 3
OUTER VENT
CONTROL VALVE
2
W-B
(2E)
2 A 1 A (4A-F)
1 B 2 B (2E)
C 3 A , B
CHOKE HEATER
AND FUEL
CUT SOLENOID
C B
J18 B
JUNCTION
CONNECTOR
C B
W-B
(2E)
10 2E
4 2F
W-B
(2E)
EB

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)			

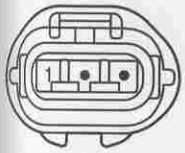
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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		

▽ : GROUND POINTS

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

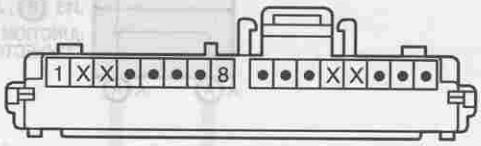
A13 GRAY



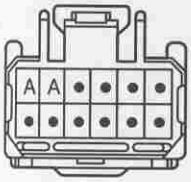
C 3 (A) DARK GRAY

C 3 (B) DARK GRAY

C13

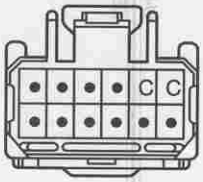


J 7



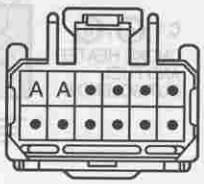
(Hint:See Page 7, 23, 39)

J13 (B) BLACK



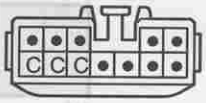
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



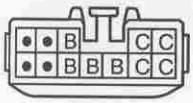
(Hint:See Page 7, 23, 39)

J17 (A)



(Hint:See Page 7, 23, 39)

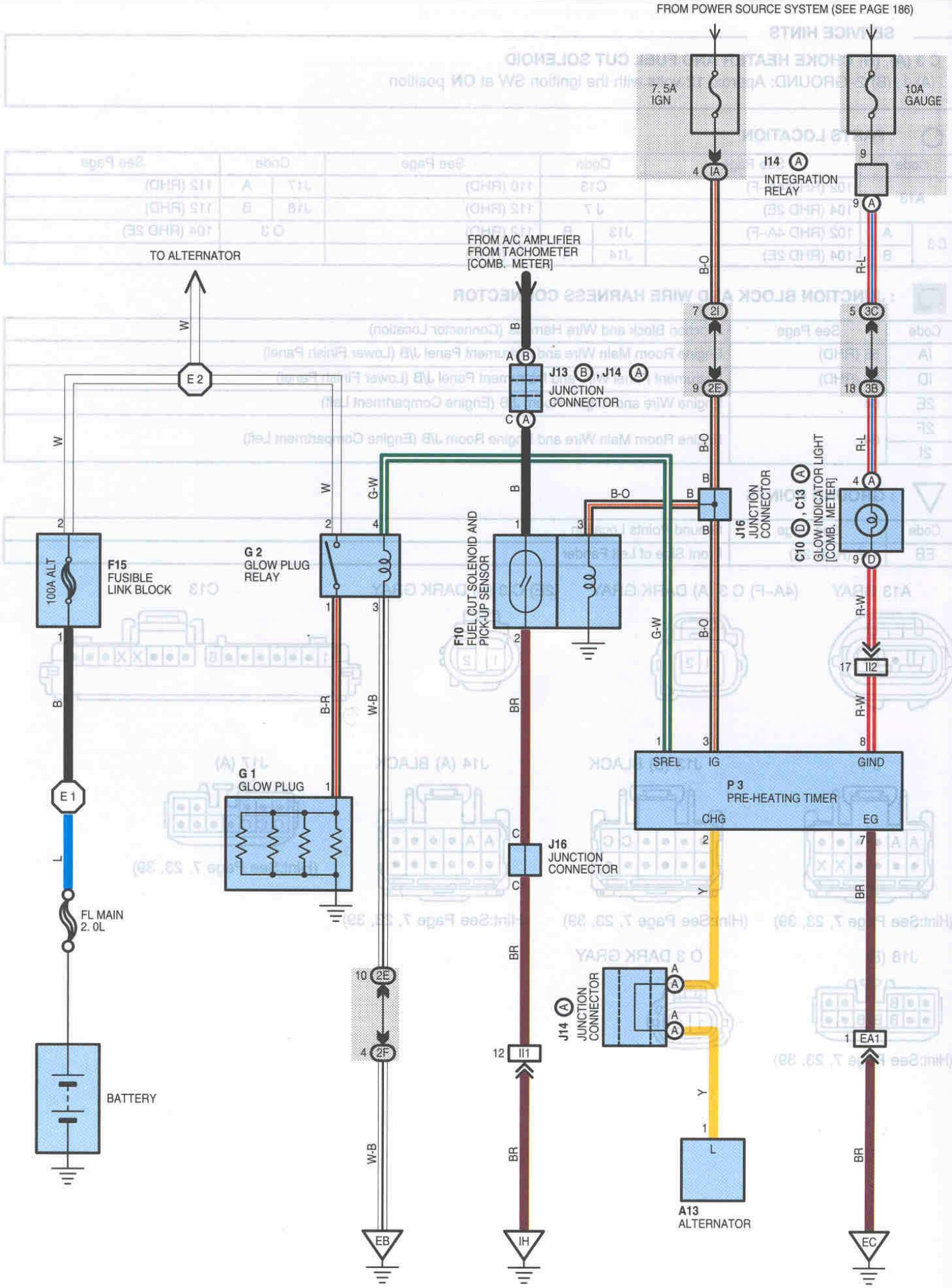
J18 (B)



(Hint:See Page 7, 23, 39)

O 3 DARK GRAY

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)
IA	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

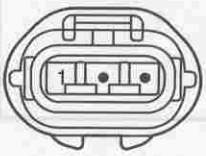
Code	See Page	Ground Points Location
EB	130 (LHD 2C)	Front Side of Left Fender
EC	130 (LHD 2C)	Intake Manifold
IH	132 (LHD)	Instrument Panel Brace RH

⬡ : SPLICE POINTS

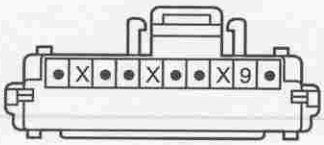
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	130 (LHD 2C)	Engine Wire	E 2	130 (LHD 2C)	Engine Wire

GLOW PLUG(LHD 2C)

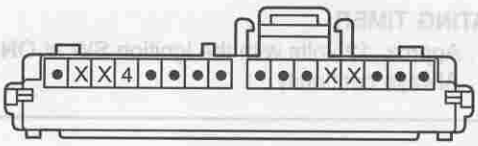
A13 GRAY



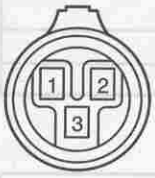
C10 (D) GRAY



C13 (A)



F10 GRAY



F15

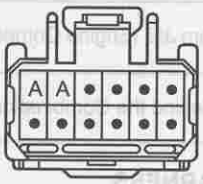
(See Page 64)

G 1

G 2 GRAY

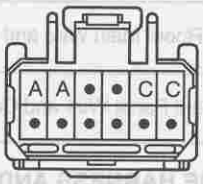
I14 (A)

J13 (B) BLACK



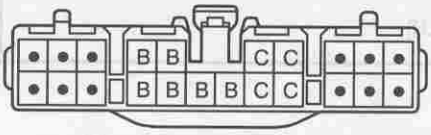
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

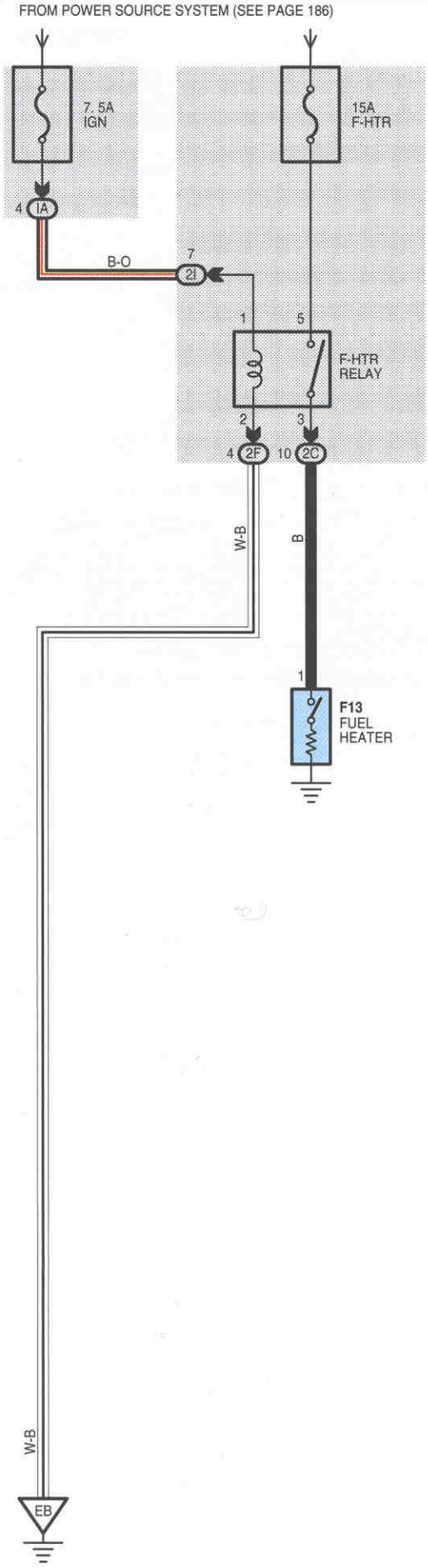
J16



(Hint:See Page 7, 23, 39)

P 3 DARK GRAY

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

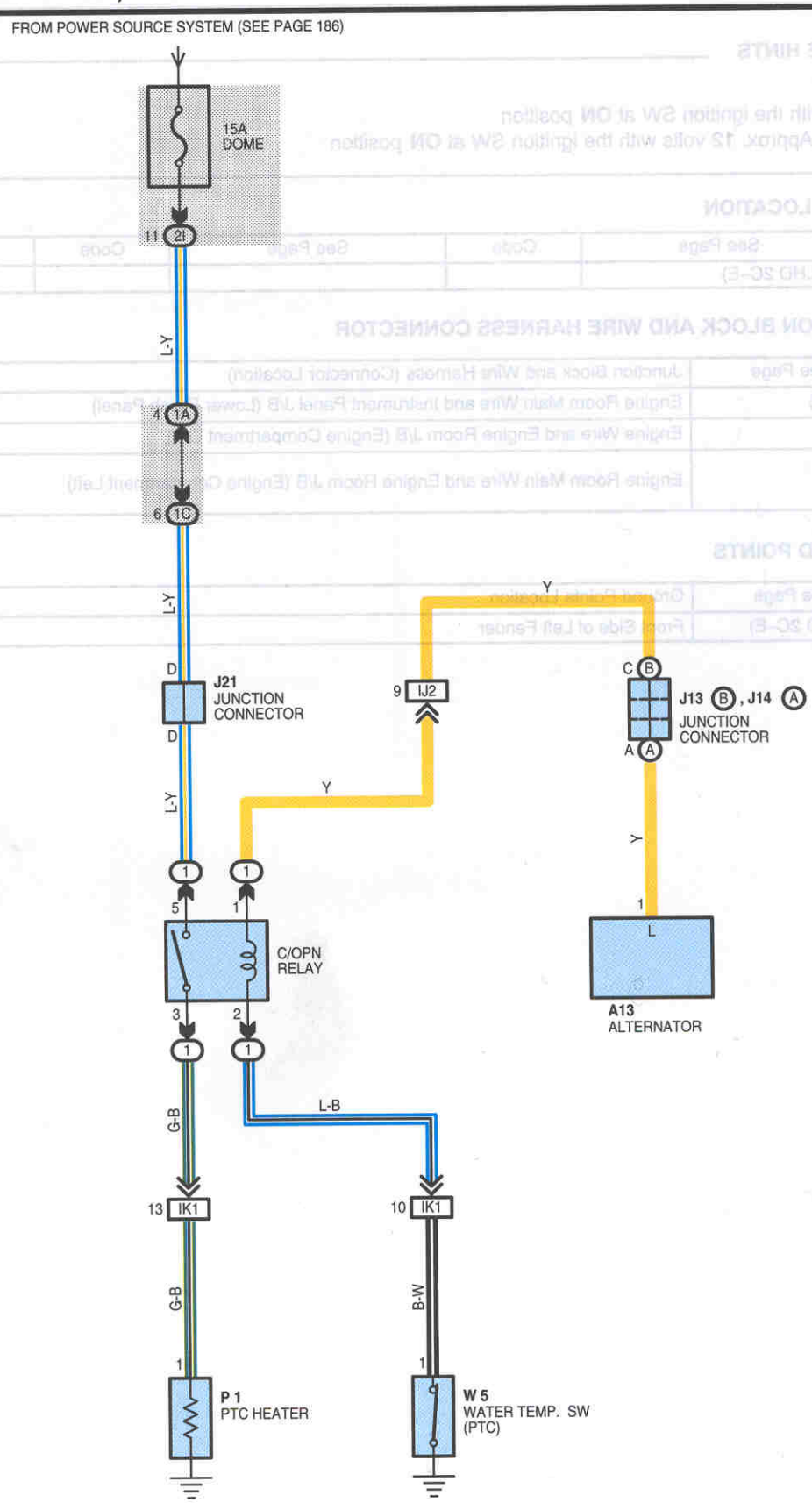
Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	56 (LHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
2C	64	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	64	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		

▽ : GROUND POINTS

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

F13 BLACK

PTC HEATER(LHD 2E)



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)

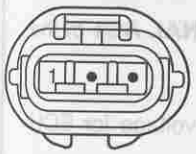
▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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)

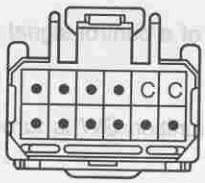
▢ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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

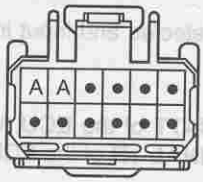


J13 (B) BLACK



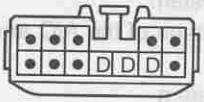
(Hint:See Page 7,23,39)

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.

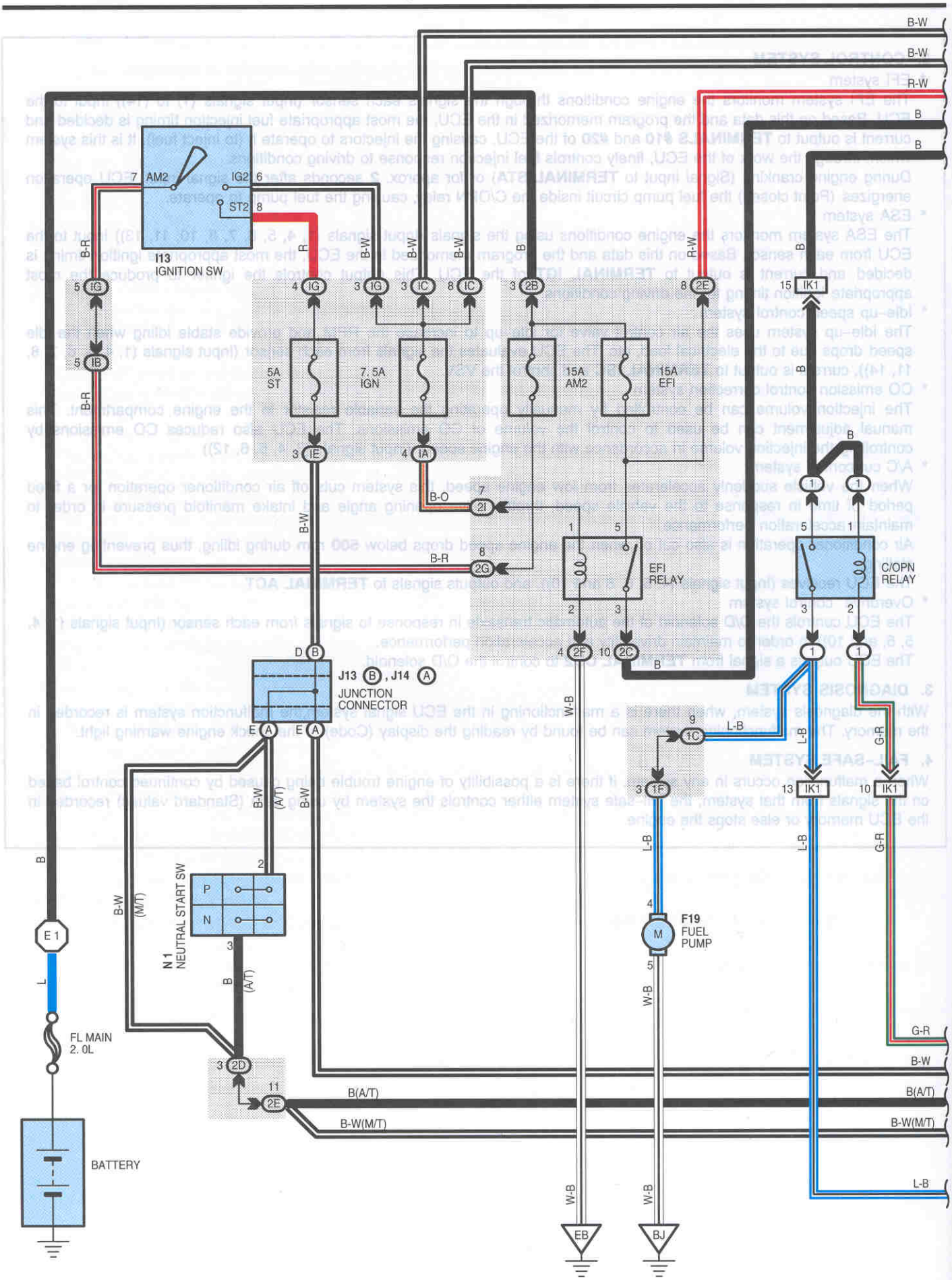
The ECU outputs a signal from **TERMINAL OD2** to control the O/D solenoid.

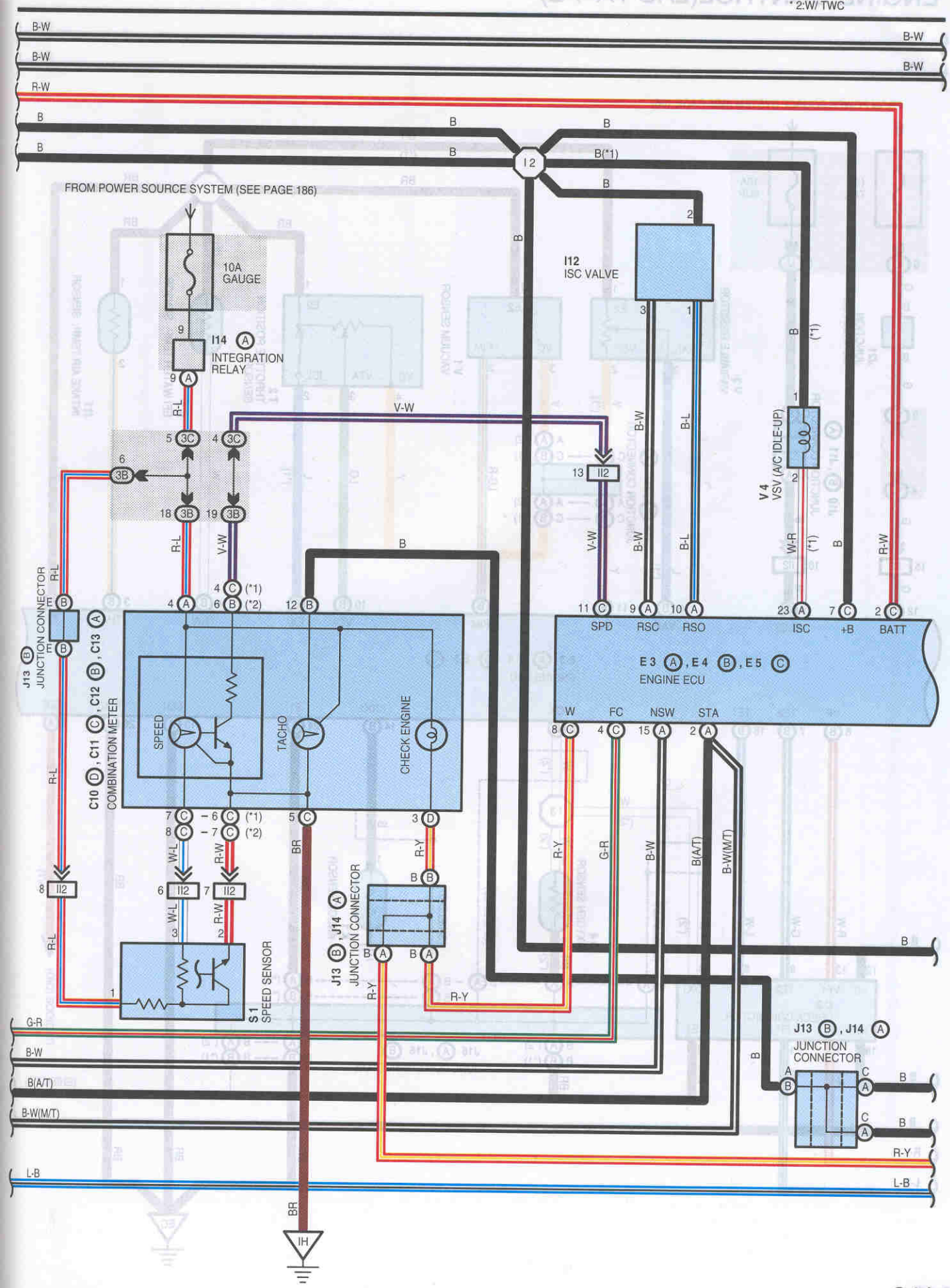
3. DIAGNOSIS SYSTEM

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.

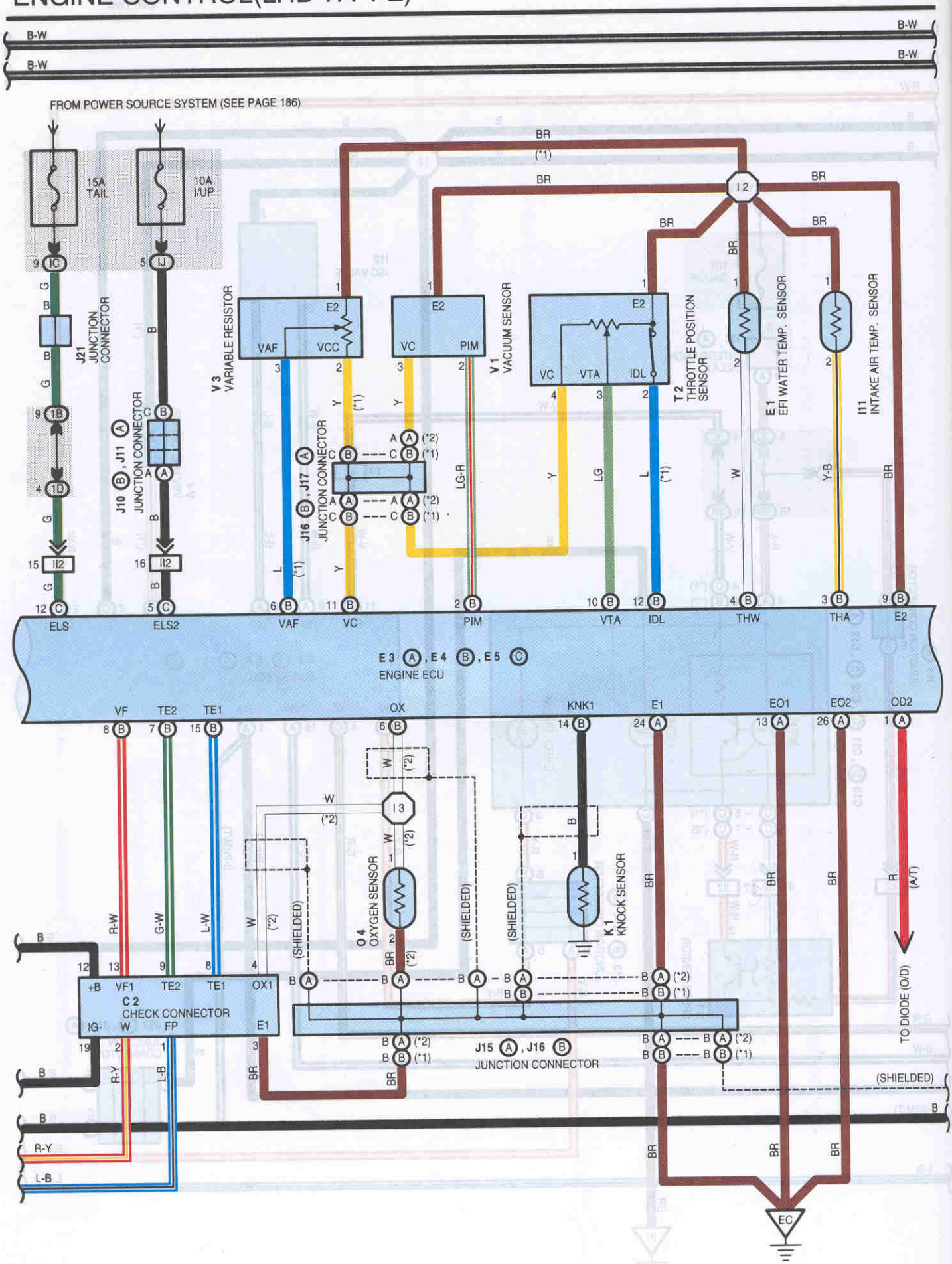
4. FAIL-SAFE SYSTEM

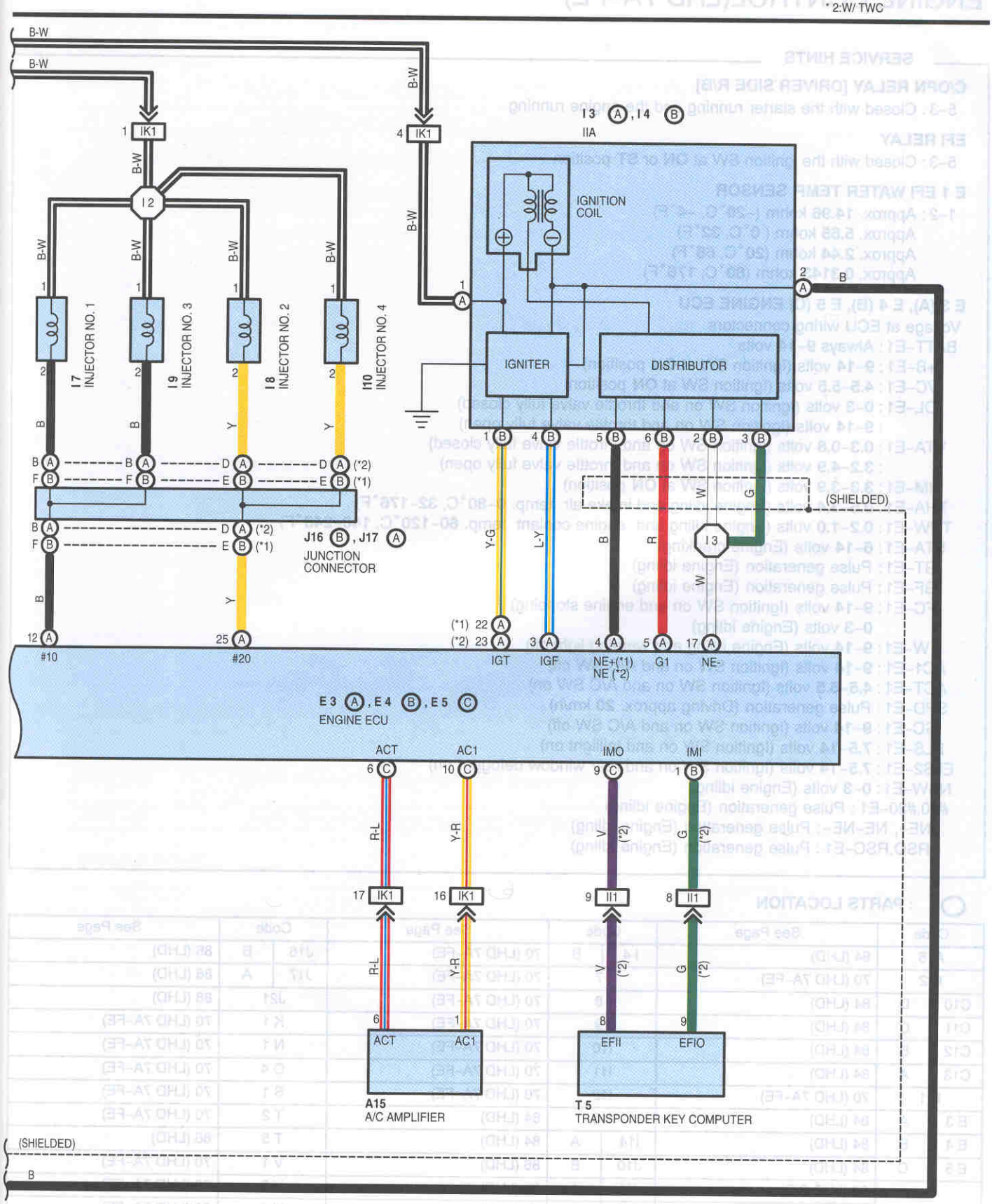
When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.


I13
IGNITION SW
AM2
IG2
ST2
5A
ST
7.5A
IGN
15A
AM2
15A
EFI
EFI
RELAY
C/OPN
RELAY
J13 B, J14 A
JUNCTION
CONNECTOR
N1
NEUTRAL START SW
P
N
F19
FUEL
PUMP
E1
FL MAIN
2.0L
BATTERY
EB
BJ
B-W
R-W
B
B-R
R
B-O
L-B
G-R
W-B
B(A/T)
B-W(M/T)
(A/T)
(M/T)


* 1:W/O TWC
* 2:W/ TWC
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A GAUGE
I14 INTEGRATION RELAY
I12 ISC VALVE
V4 VSV (A/C IDLE-UP)
J13 JUNCTION CONNECTOR
C10, C11, C12, C13 COMBINATION METER
SPEED
TACHO
CHECK ENGINE
E3, E4, E5 ENGINE ECU
SPD
RSC
RSO
ISC
+B
BATT
W
FC
NSW
STA
S1 SPEED SENSOR
J13, J14 JUNCTION CONNECTOR
I2
IH

ENGINE CONTROL(LHD 7A-FE)




*1:W/O TWC
*2:W/ TWC
B-W
IK1
I2
I7 INJECTOR NO. 1
I9 INJECTOR NO. 3
I8 INJECTOR NO. 2
I10 INJECTOR NO. 4
I3 A, I4 B
IIA
IGNITION COIL
IGNITER
DISTRIBUTOR
J16 B, J17 A
JUNCTION CONNECTOR
(SHIELDED)
I3
#10
#20
IGT
IGF
NE+(*1)
NE (*2)
G1
NE-
E3 A, E4 B, E5 C
ENGINE ECU
ACT
AC1
IMO
IMI
II1
EFII
EFIO
A15
A/C AMPLIFIER
T5
TRANSPONDER KEY COMPUTER

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)

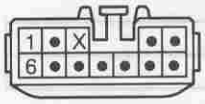
: GROUND POINTS

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

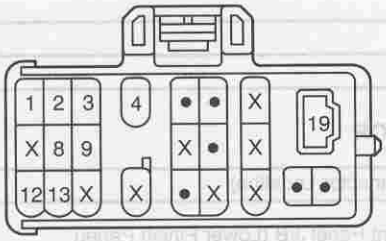
: SPLICE POINTS

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)				

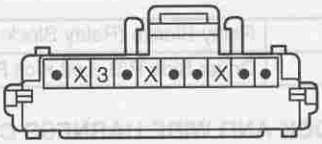
A15 BLACK



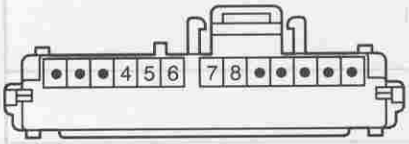
C 2 BLACK



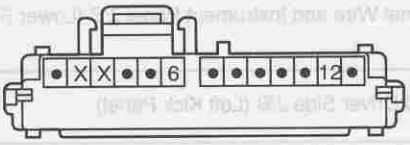
C10 (D) GRAY



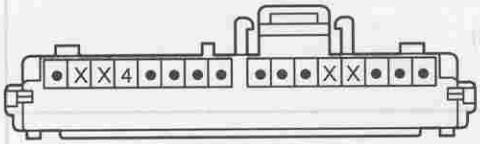
C11 (C) BLUE



C12 (B) BROWN

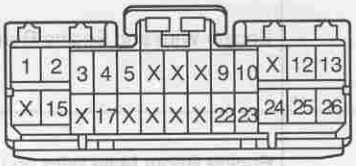


C13 (A)

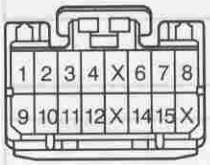


E 1 DARK GRAY

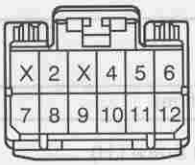
E 3 (A) DARK GRAY



E 4 (B) DARK GRAY



E 5 (C) DARK GRAY



F19 DARK GRAY

I 3 (A) DARK GRAY

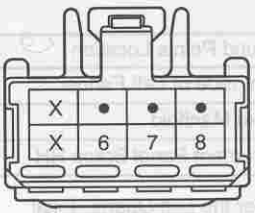
I 4 (B) DARK GRAY

I 7, I 8, I 9, 10 GRAY

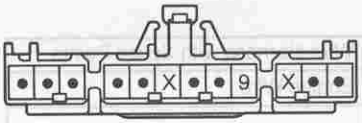
I11 BLACK

I12 GRAY

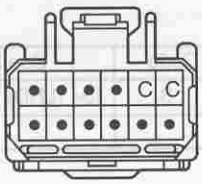
I13



I14 (A)

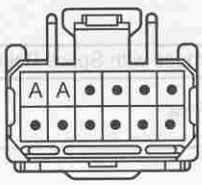


J10 (B)



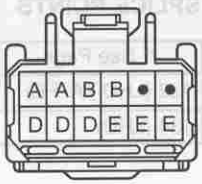
(Hint:See Page 7, 23, 39)

J11 (A)



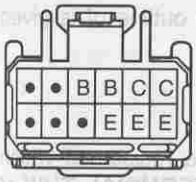
(Hint:See Page 7, 23, 39)

J13 (B) BLACK



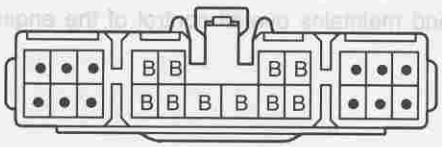
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



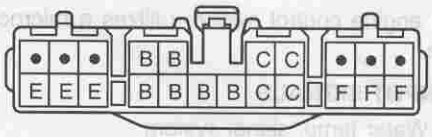
(Hint:See Page 7, 23, 39)

J15 (A)



(Hint:See Page 7, 23, 39)

J16 (B)

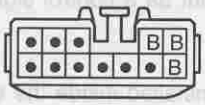


(Hint:See Page 7, 23, 39)

J17 (A)

(Hint:See Page 7, 23, 39)

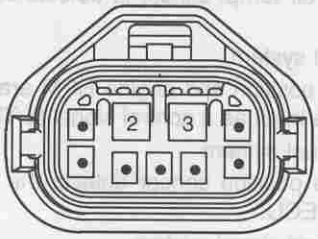
J21 BLACK



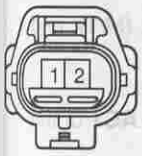
(Hint:See Page 7, 23, 39)

K 1 DARK GRAY

N 1 GRAY



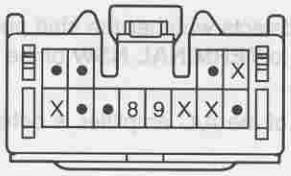
O 4 DARK GRAY



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

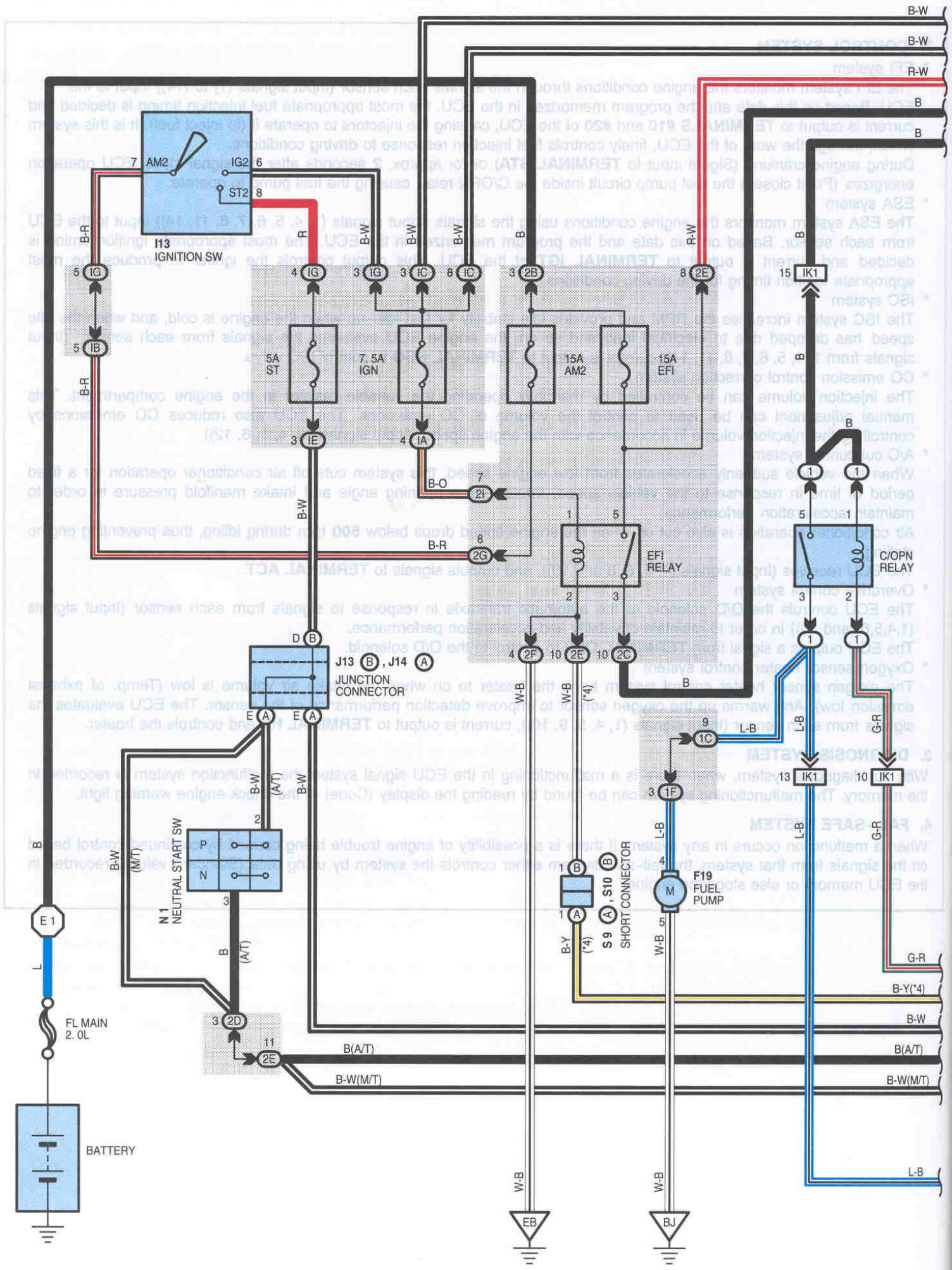
The oxygen sensor heater control system turns the heater to on when the intake air volume is low (Temp. of exhaust emission low). And warms up the oxygen sensor to improve detection performance of the sensor. The ECU evaluates the signals from each sensor (Input signals (1, 4, 5, 9, 10)), current is output to **TERMINAL HT** and controls the heater.

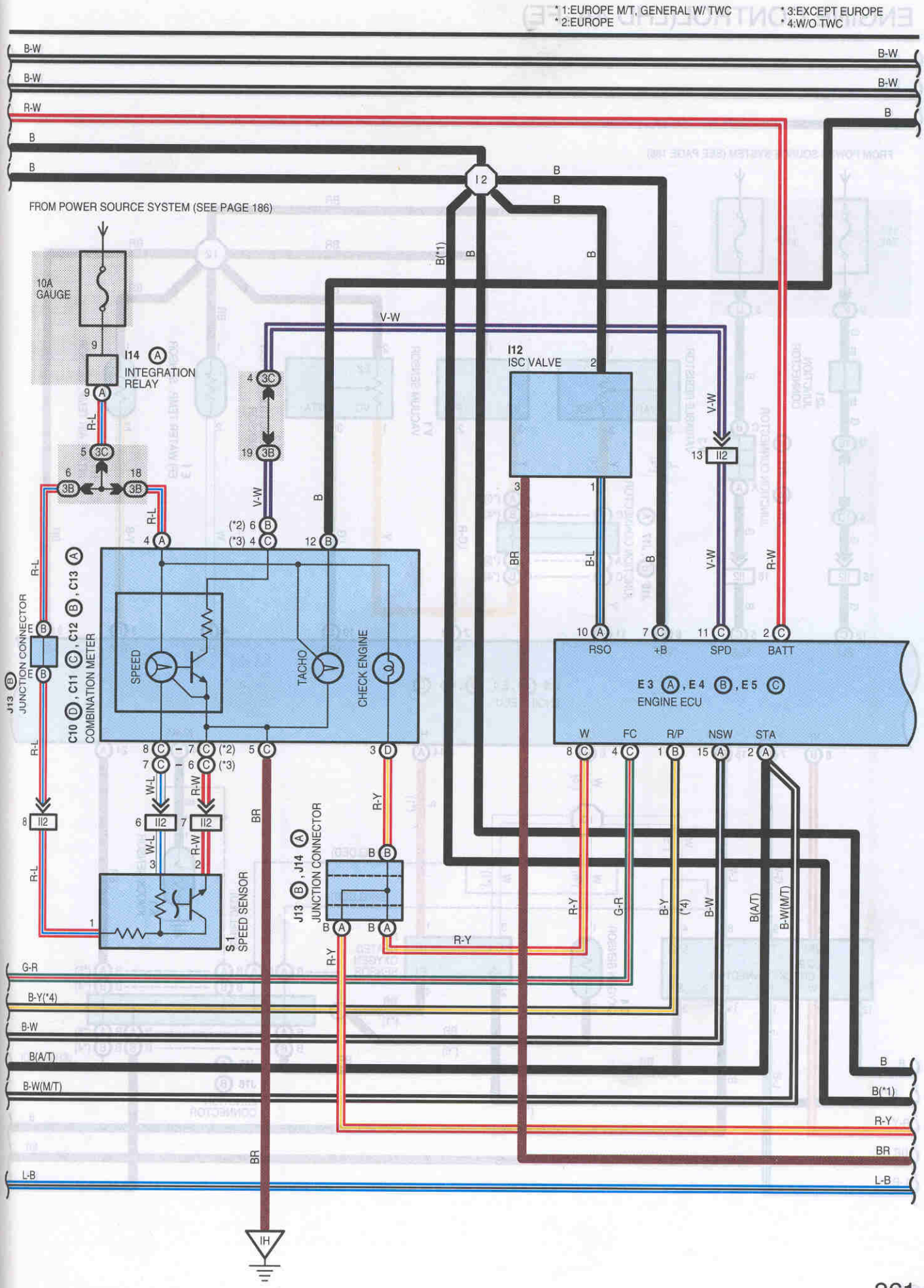
3. DIAGNOSIS SYSTEM

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.

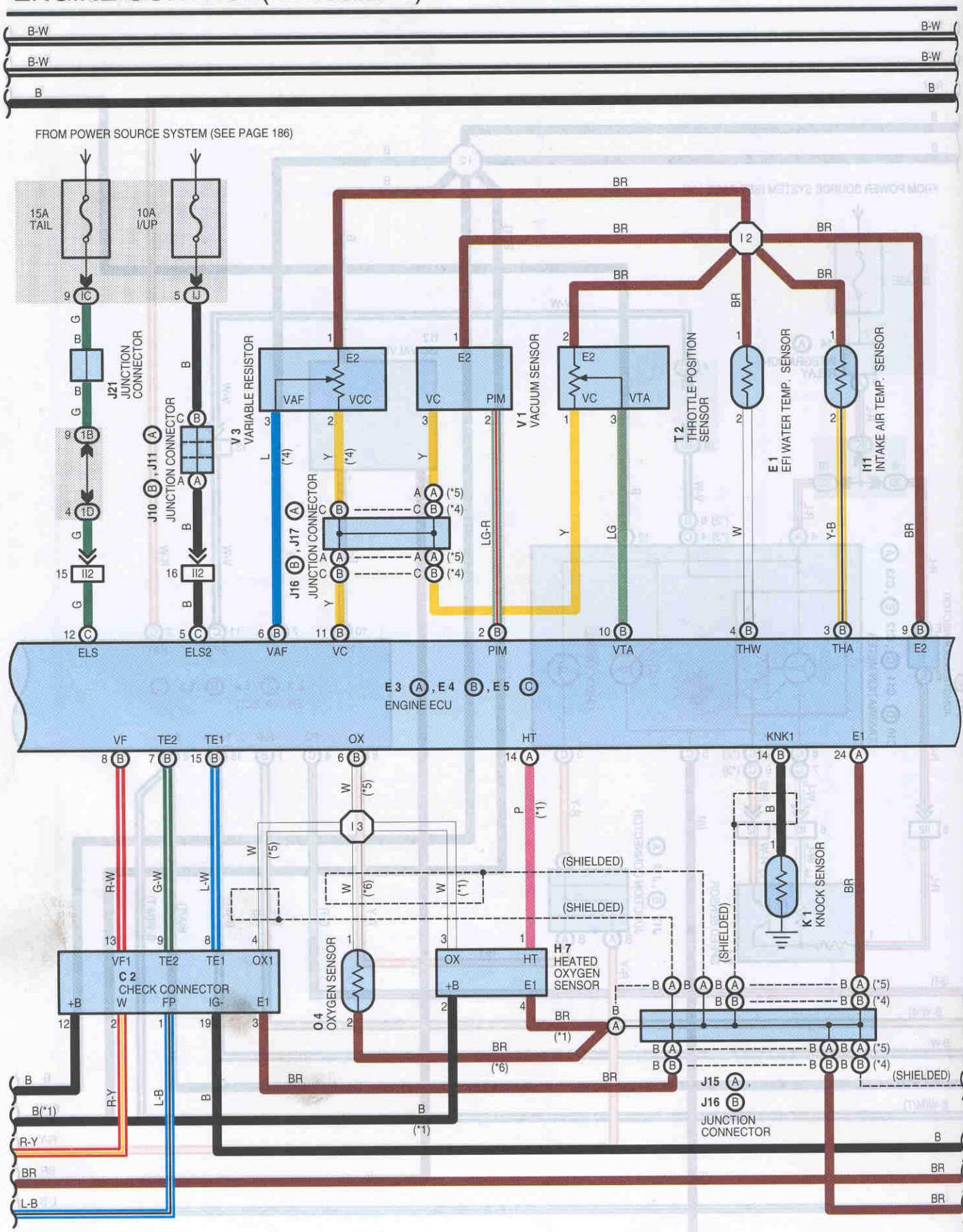
4. FAIL-SAFE SYSTEM

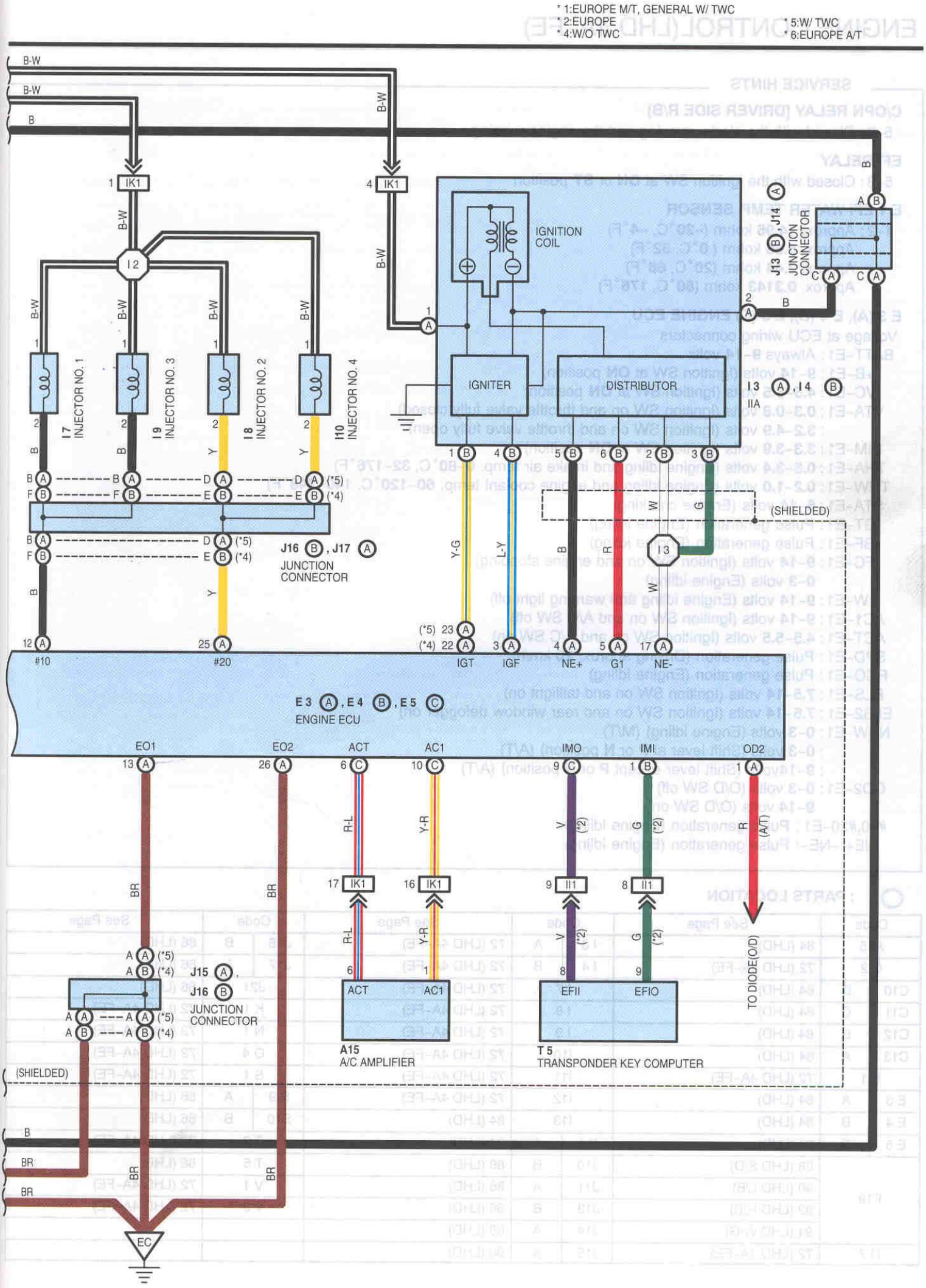
When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.


I13
IGNITION SW
AM2
IG2
ST2
5A
ST
7.5A
IGN
15A
AM2
15A
EFI
EFI
RELAY
C/OPN
RELAY
J13 B , J14 A
JUNCTION
CONNECTOR
N 1
NEUTRAL START SW
P
N
S 9 A , S10 B
SHORT CONNECTOR
F19
FUEL
PUMP
E 1
FL MAIN
2. 0L
BATTERY
EB
BJ
B-W
R-W
B
B-R
B-O
W-B
B-Y
L-B
G-R
B-Y(*4)
B(A/T)
B-W(M/T)
L


*1:EUROPE M/T, GENERAL W/ TWC
*2:EUROPE
*3:EXCEPT EUROPE
*4:W/O TWC
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A GAUGE
I14 INTEGRATION RELAY
I12 ISC VALVE
J13 JUNCTION CONNECTOR
C10, C11, C12, C13 COMBINATION METER
SPEED
TACHO
CHECK ENGINE
E3, E4, E5 ENGINE ECU
RSO
+B
SPD
BATT
W
FC
R/P
NSW
STA
S1 SPEED SENSOR
J13, J14 JUNCTION CONNECTOR
IH

ENGINE CONTROL(LHD 4A-FE)




* 1:EUROPE M/T, GENERAL W/ TWC
* 2:EUROPE
* 4:W/O TWC
* 5:W/ TWC
* 6:EUROPE A/T
IGNITION COIL
IGNITER
DISTRIBUTOR
I3 A, I4 B
IIA
J13 B, J14 A
JUNCTION CONNECTOR
I7 INJECTOR NO. 1
I9 INJECTOR NO. 3
I8 INJECTOR NO. 2
I10 INJECTOR NO. 4
J16 B, J17 A
JUNCTION CONNECTOR
(SHIELDED)
#10
#20
IGT
IGF
NE+
G1
NE-
E3 A, E4 B, E5 C
ENGINE ECU
EO1
EO2
ACT
AC1
IMO
IMI
OD2
TO DIODE(O/D)
J15 A, J16 B
JUNCTION CONNECTOR
A15
A/C AMPLIFIER
T5
TRANSPONDER KEY COMPUTER
EFII
EFIO
EC

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)
: **9-14**volts (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)

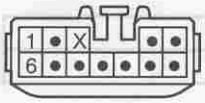
: GROUND POINTS

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

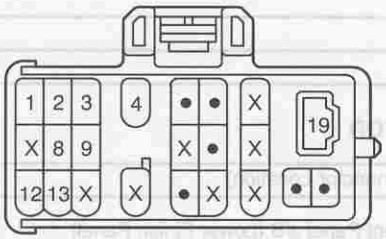
: SPLICE POINTS

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)				

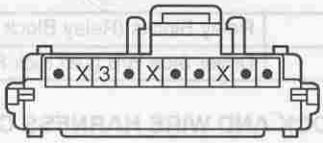
A15 BLACK



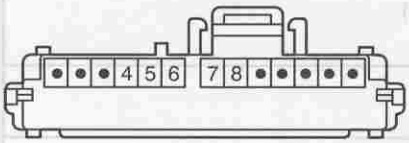
C 2 BLACK



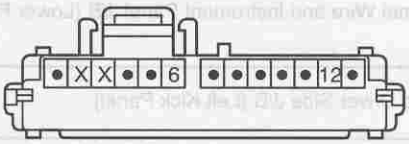
C10 (D) GRAY



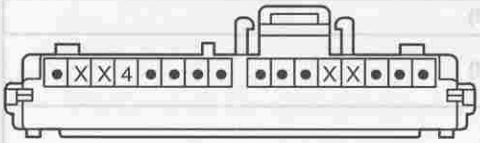
C11 (C) BLUE



C12 (B) BROWN

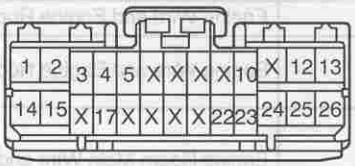


C13 (A)

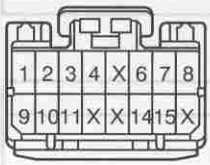


E 1 DARK GRAY

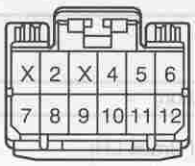
E 3 (A) DARK GRAY



E 4 (B) DARK GRAY



E 5 (C) DARK GRAY



F19 DARK GRAY

H 7 DARK GRAY

I 3 (A) DARK GRAY

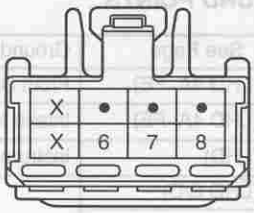
I 4 (B)

I 7, I 8, I 9, I10 GRAY

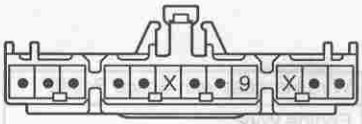
I11 BLACK

I12 GRAY

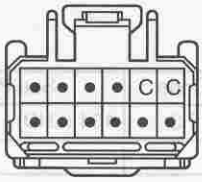
I13



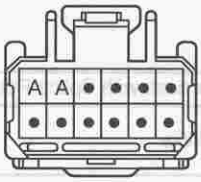
I14 (A)



J10 (B)

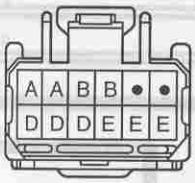


J11 (A)



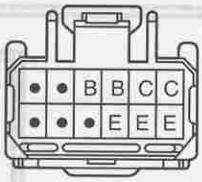
(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

J13 (B) BLACK



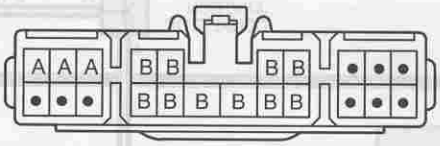
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



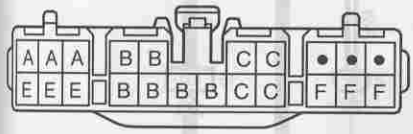
(Hint:See Page 7, 23, 39)

J15 (A)



(Hint:See Page 7, 23, 39)

J16 (B)

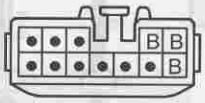


(Hint:See Page 7, 23, 39)

J17 (A)

(Hint:See Page 7, 23, 39)

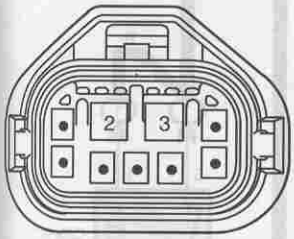
J21 BLACK



(Hint:See Page 7, 23, 39)

K 1 DARK GRAY

N 1 GRAY



O 4 DARK GRAY

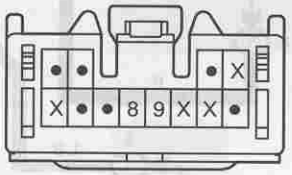
S 1 BLACK

S 9 (A) GRAY

S10 (B) GRAY

T 2 BLACK

T 5



V 1 BLACK

V 3 BLACK

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.

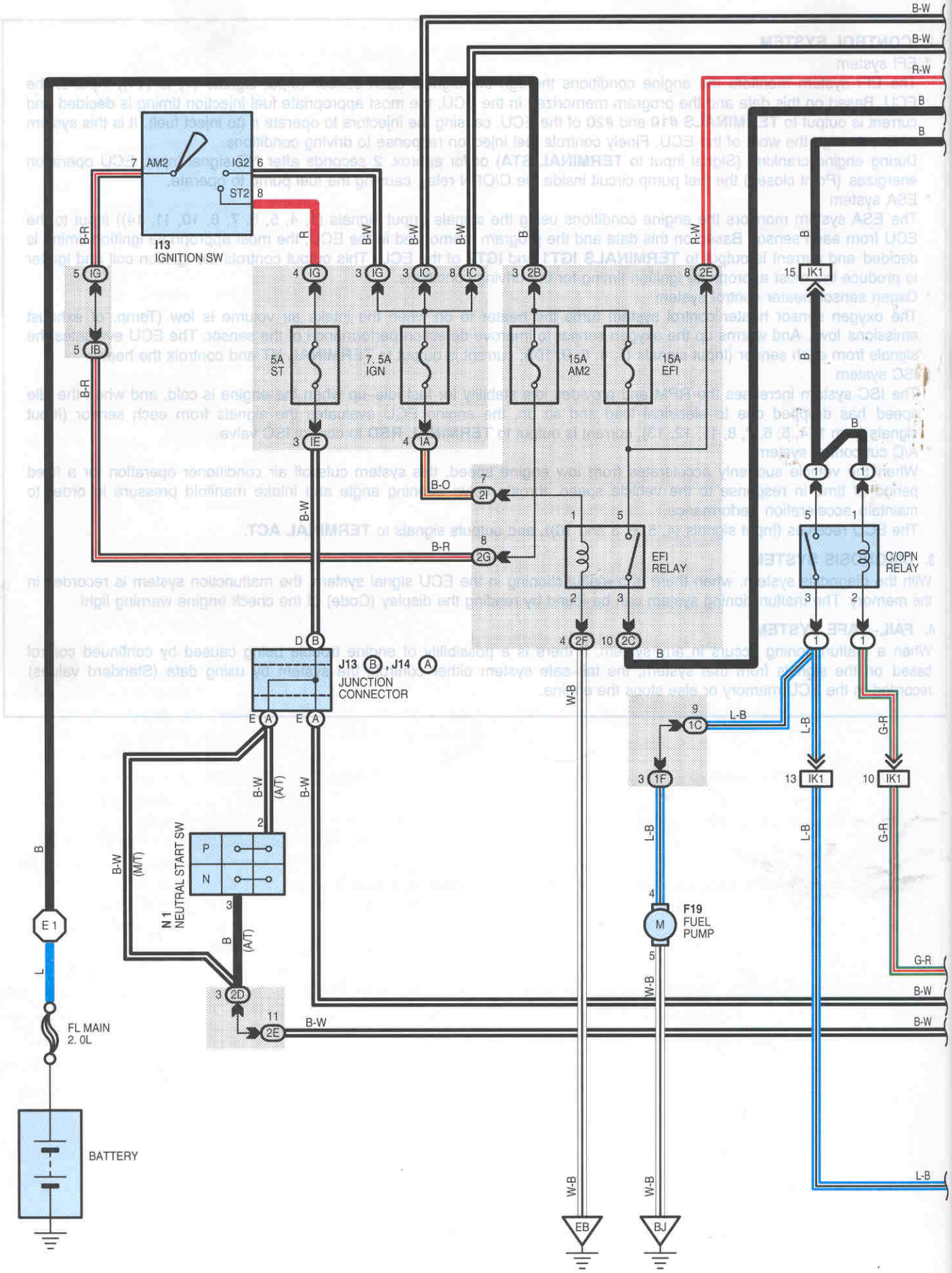
The ECU receives (Input signals (4, 5, 6, 8 and 10)), and outputs signals to **TERMINAL ACT**.

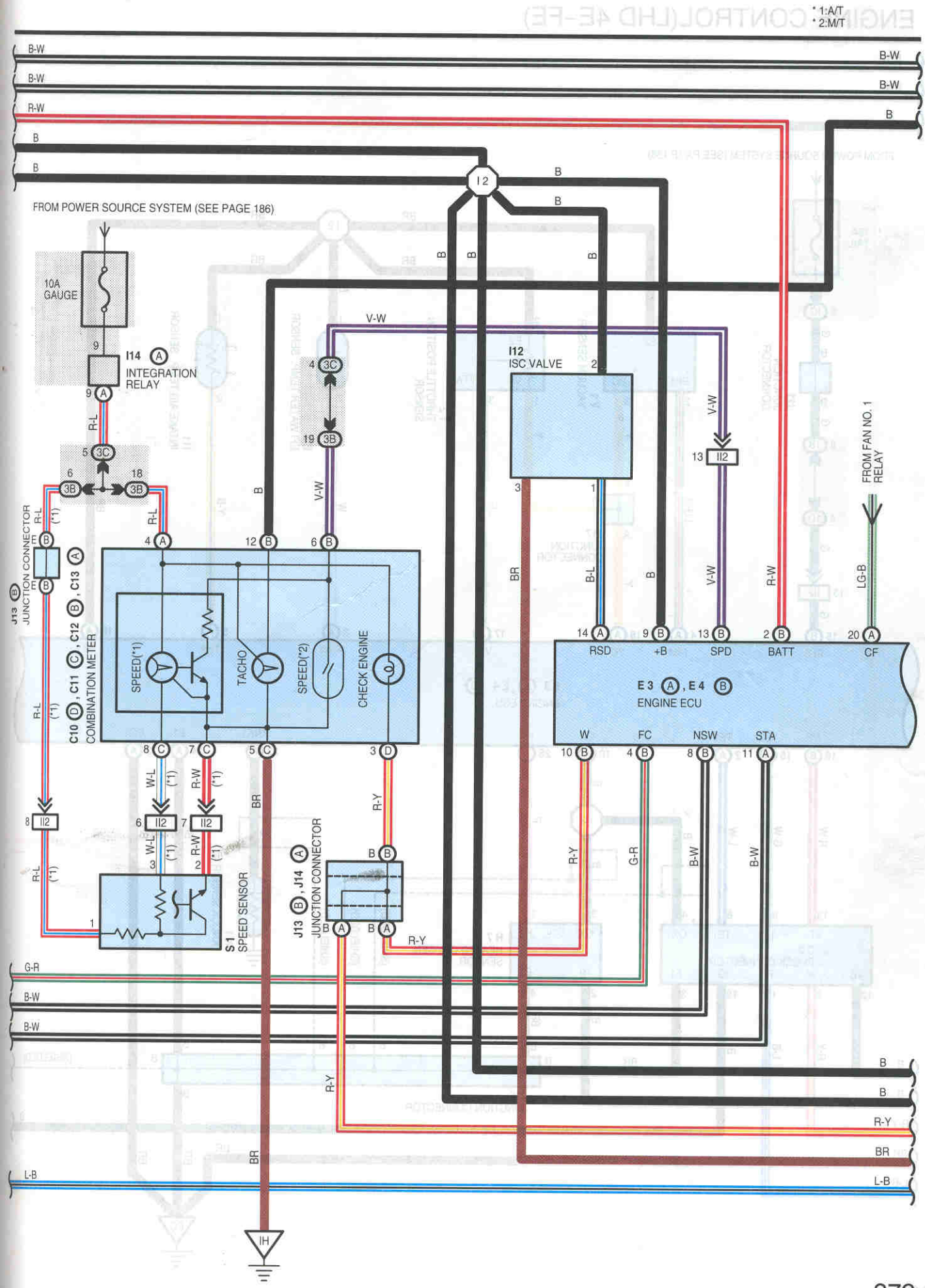
3. DIAGNOSIS SYSTEM

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.

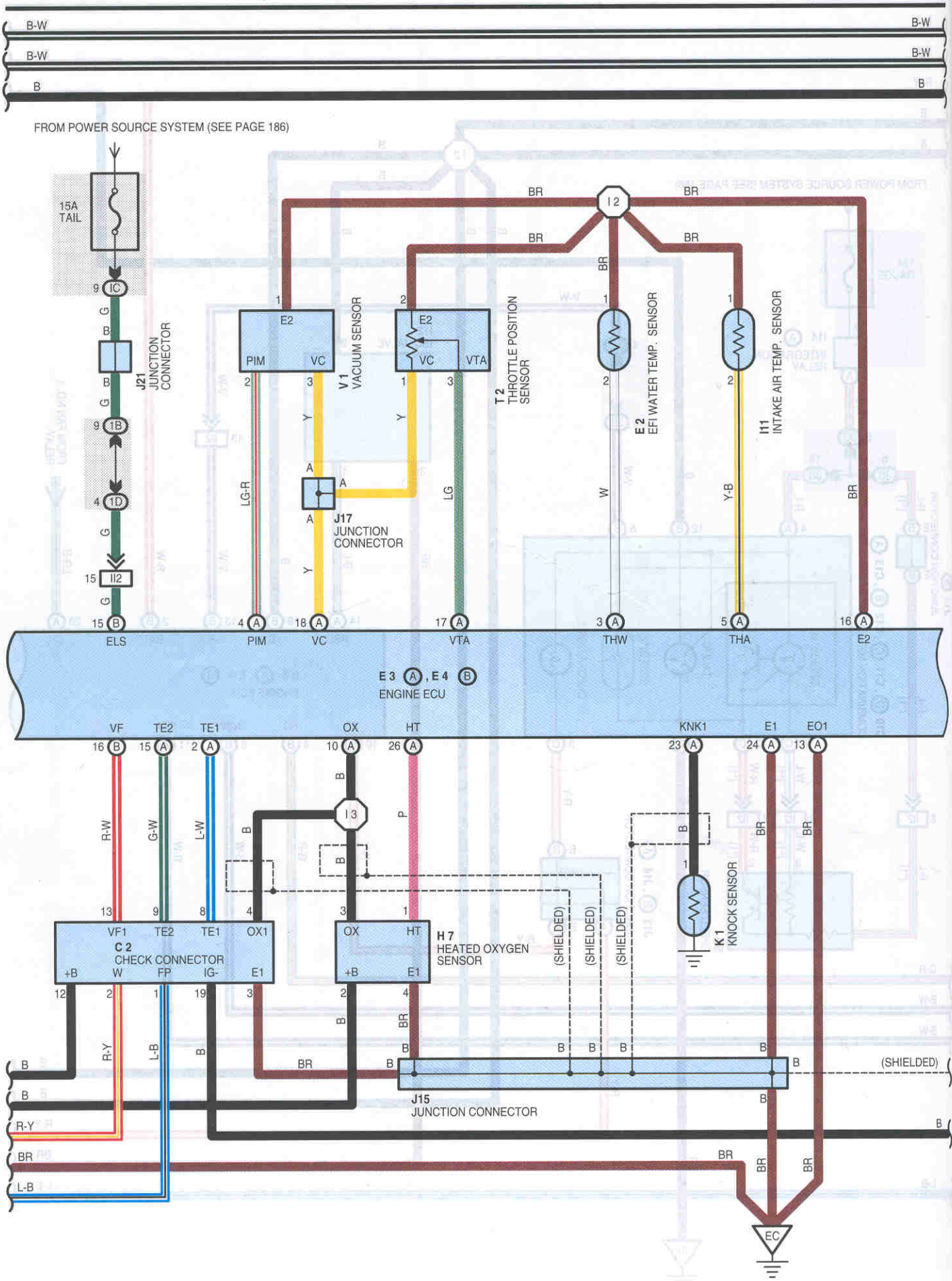
4. FAIL-SAFE SYSTEM

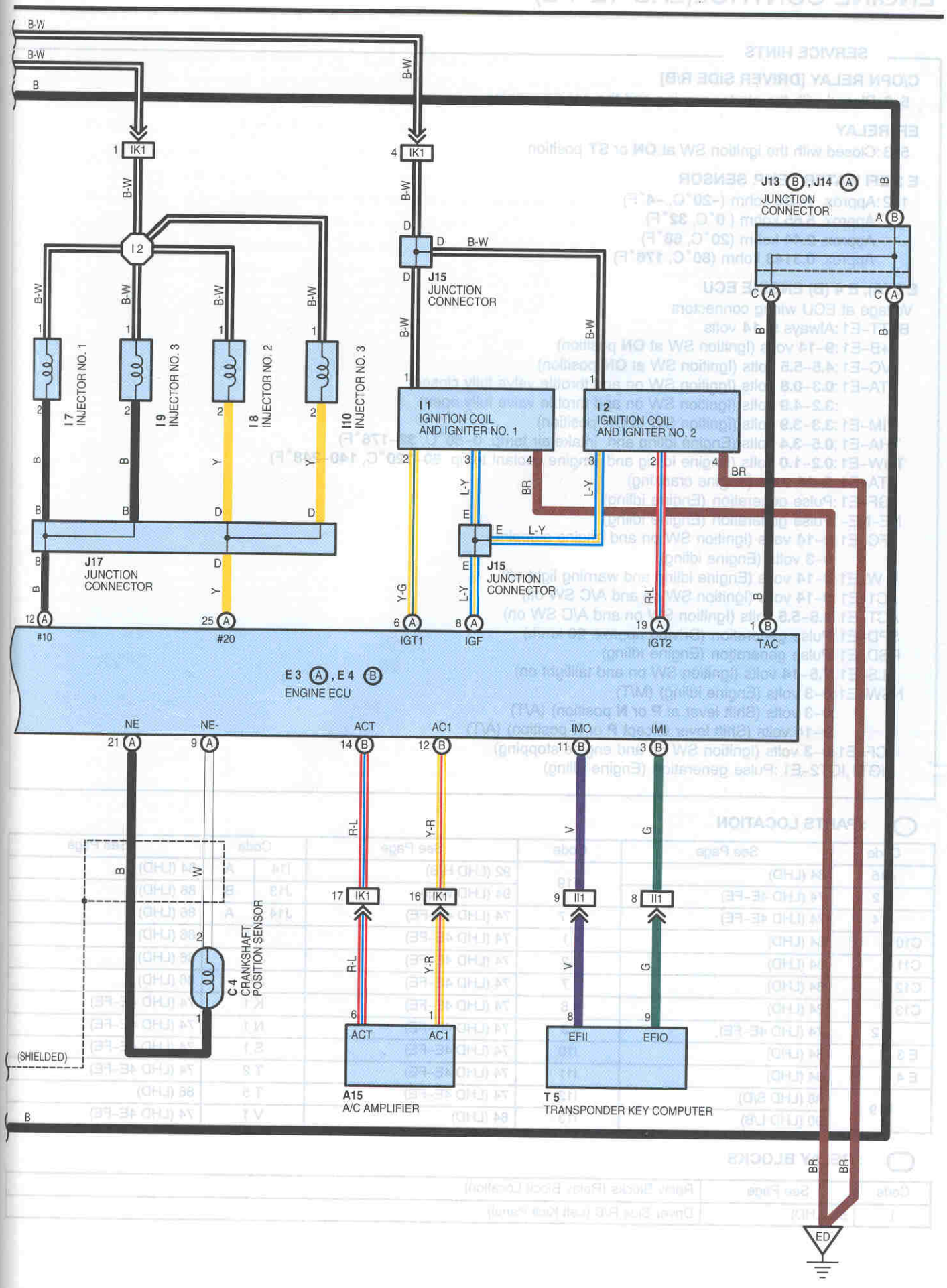
When a malfunctioning occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail-safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.


I13
IGNITION SW
AM2
IG2
ST2
5A
ST
7.5A
IGN
15A
AM2
15A
EFI
EFI
RELAY
C/OPN
RELAY
J13 B, J14 A
JUNCTION
CONNECTOR
N1
NEUTRAL START SW
P
N
F19
FUEL
PUMP
E1
FL MAIN
2.0L
BATTERY
EB
BJ


*1:A/T
*2:M/T
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
GAUGE
I14 (A)
INTEGRATION
RELAY
I12
ISC VALVE
FROM FAN NO. 1
RELAY
J13 (B)
JUNCTION CONNECTOR
C10 (D), C11 (C), C12 (B), C13 (A)
COMBINATION METER
SPEED(*1)
TACHO
SPEED(*2)
CHECK ENGINE
E3 (A), E4 (B)
ENGINE ECU
RSD
+B
SPD
BATT
CF
W
FC
NSW
STA
S1
SPEED SENSOR
J13 (B), J14 (A)
JUNCTION CONNECTOR
B-W
R-W
B
R-L
V-W
B-L
BR
R-Y
G-R
LG-B
L-B
IH

ENGINE CONTROL(LHD 4E-FE)




B-W
B
IK1
I2
I7 INJECTOR NO. 1
I9 INJECTOR NO. 3
I8 INJECTOR NO. 2
I10 INJECTOR NO. 3
J17 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
I1 IGNITION COIL AND IGNITER NO. 1
I2 IGNITION COIL AND IGNITER NO. 2
J13 B, J14 A JUNCTION CONNECTOR
E3 A, E4 B ENGINE ECU
#10
#20
IGT1
IGF
IGT2
TAC
NE
NE-
ACT
AC1
IMO
IMI
C4 CRANKSHAFT POSITION SENSOR
(SHIELDED)
A15 A/C AMPLIFIER
T5 TRANSPONDER KEY COMPUTER
EFII
EFIO
ED

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)

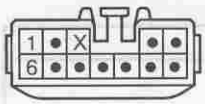
: GROUND POINTS

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

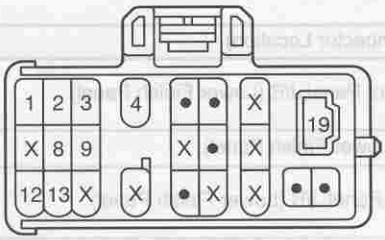
: SPLICE POINTS

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)				

A15 BLACK

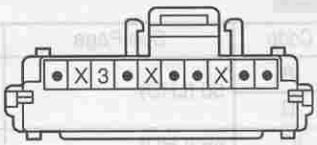


C 2 BLACK

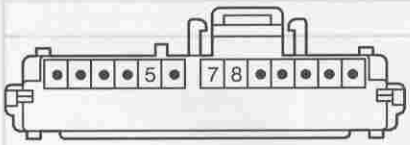


C 4 DARK GRAY

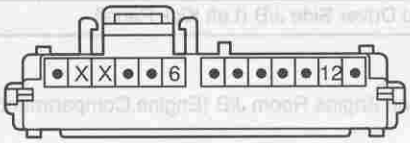
C10 (D) GRAY



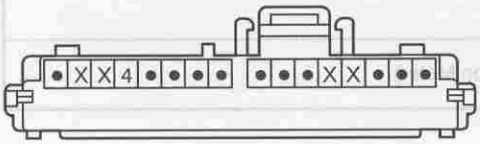
C11 (C) BLUE



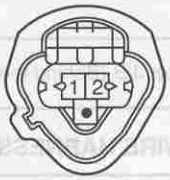
C12 (B) BROWN



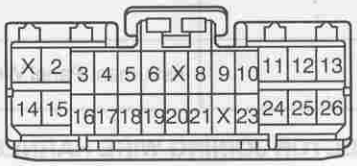
C13 (A)



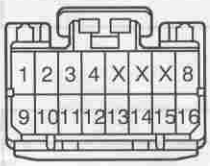
E 2 DARK GRAY



E 3 (A) DARK GRAY



E 4 (B) DARK GRAY



F19 DARK GRAY

H 7 DARK GRAY

I 1 GRAY

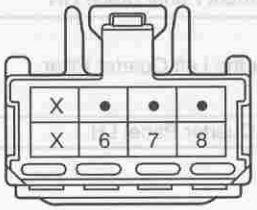
I 2 BLACK

I 7, I 8, I 9, I10 GRAY

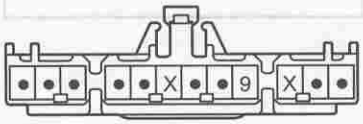
I11 BLACK

I12 GRAY

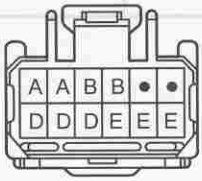
I13



I14 (A)

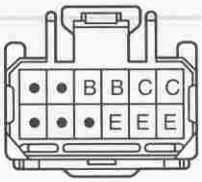


J13 (B) BLACK



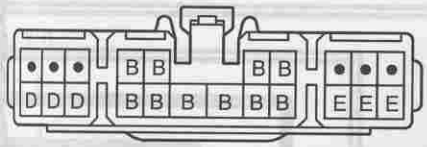
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

J15

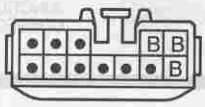


(Hint:See Page 7, 23, 39)

J17

(Hint:See Page 7, 23, 39)

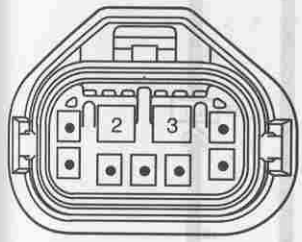
J21 BLACK



(Hint:See Page 7, 23, 39)

K 1 DARK GRAY

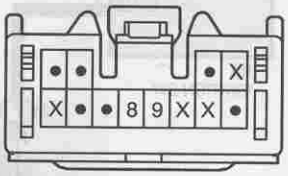
N 1 GRAY



S 1 BLACK

T 2 BLACK

T 5



V 1 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 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

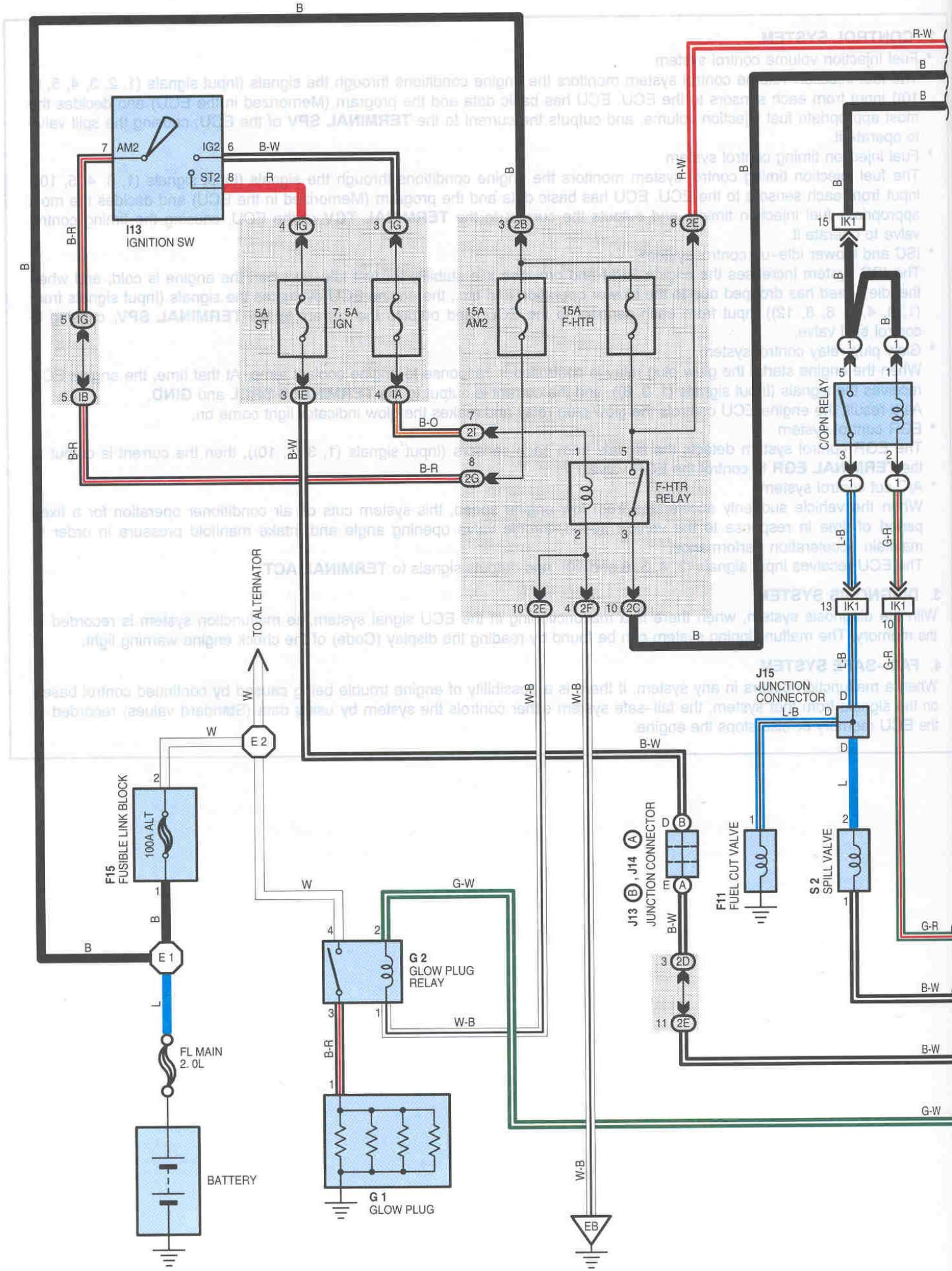
* Fuel injection volume control system
  The fuel injection volume control system monitors the engine conditions through the signals (Input signals (1, 2, 3, 4, 5, 9, 10)) input from each sensors to the ECU. ECU has basic data and the program (Memorized in the ECU) and decides the most appropriate fuel 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**.

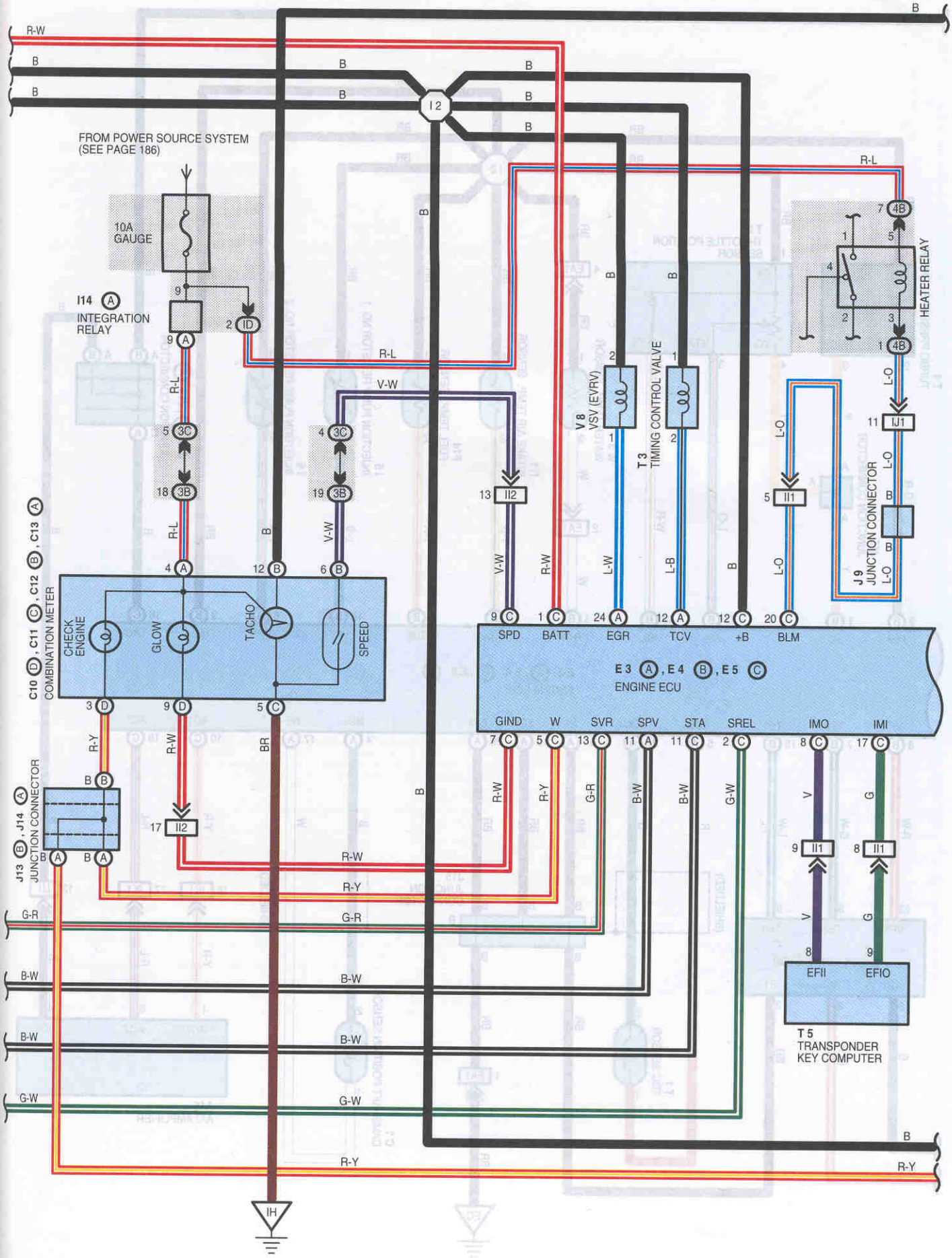
3. DIAGNOSIS SYSTEM

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.

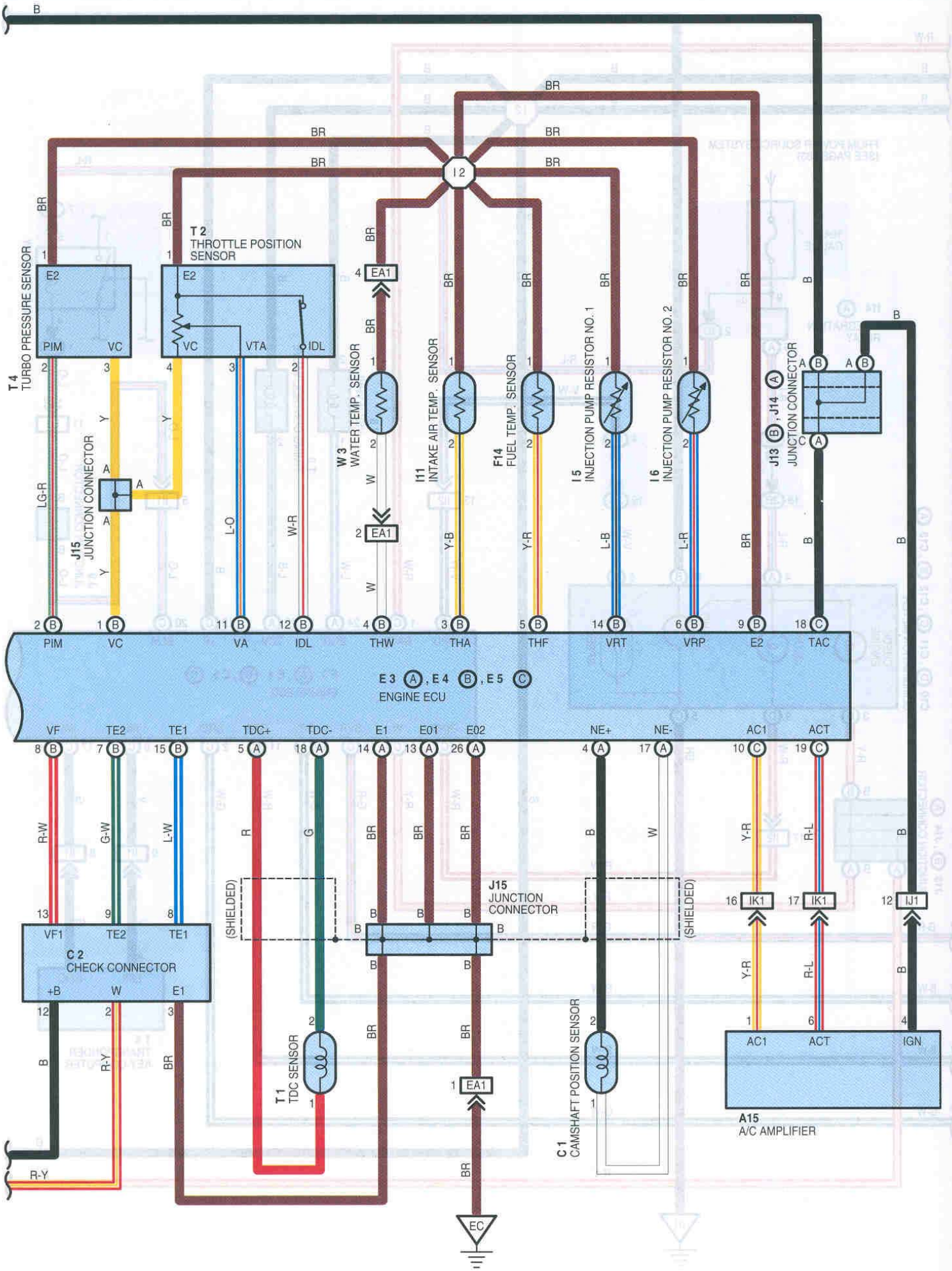
4. FAIL-SAFE SYSTEM

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.


I3
IGNITION SW
AM2
IG2
ST2
5A
ST
7.5A
IGN
15A
AM2
15A
F-HTR
F-HTR
RELAY
C/OPN RELAY
J15
JUNCTION
CONNECTOR
J13 B, J14 A
JUNCTION CONNECTOR
F11
FUEL CUT VALVE
S2
SPILL VALVE
TO ALTERNATOR
E2
E1
F15
FUSIBLE LINK BLOCK
100A ALT
FL MAIN
2.0L
BATTERY
G2
GLOW PLUG
RELAY
G1
GLOW PLUG
EB


FROM POWER SOURCE SYSTEM
(SEE PAGE 186)
10A
GAUGE
I14 A
INTEGRATION
RELAY
HEATER RELAY
V 8
VSV (EVRV)
T 3
TIMING CONTROL VALVE
J 9
JUNCTION CONNECTOR
C10 D, C11 C, C12 B, C13 A
COMBINATION METER
CHECK
ENGINE
GLOW
TACHO
SPEED
E 3 A, E 4 B, E 5 C
ENGINE ECU
SPD
BATT
EGR
TCV
+B
BLM
GIND
W
SVR
SPV
STA
SREL
IMO
IMI
J13 B, J14 A
JUNCTION CONNECTOR
EFII
EFIO
T 5
TRANSPONDER
KEY COMPUTER
IH

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	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		
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)

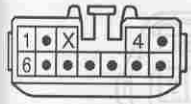
: GROUND POINTS

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

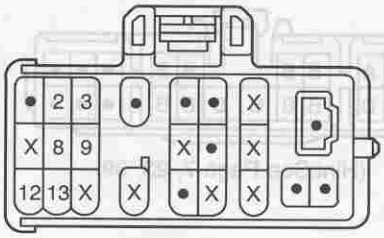
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	128 (LHD 2C-E)	Engine Wire	I 2	134 (LHD)	Engine Wire
E 2					

A15 BLACK

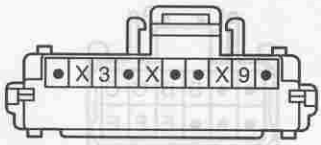


C 1 GARY

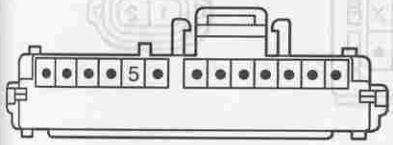
C 2 BLACK



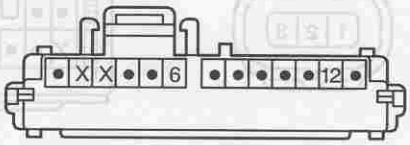
C10 (D) GRAY



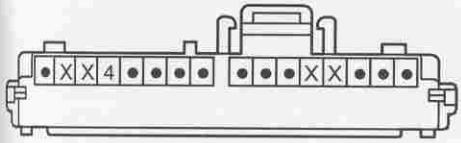
C11 (C) BLUE



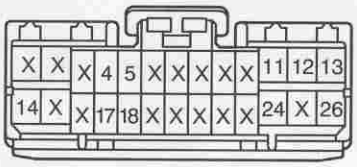
C12 (B) BROWN



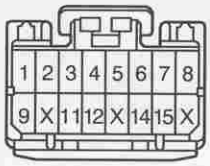
C13 (A)



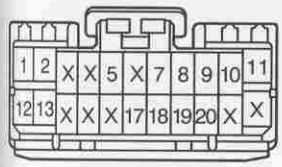
E 3 (A) DARK GRAY



E 4 (B) DARK GRAY



E 5 (C) DARK GRAY



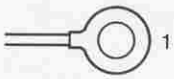
F11 GRAY

F14 DARK GRAY

F15

(See Page 64)

G 1



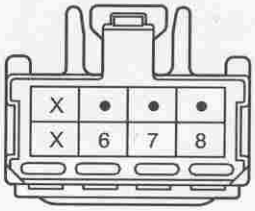
G 2 GRAY

I 5 DARK GRAY

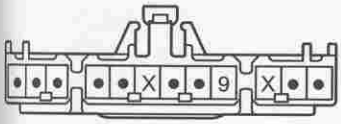
I 6 BROWN

I11 BLACK

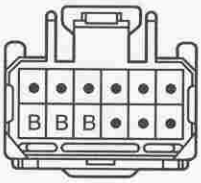
I13



I14 (A)

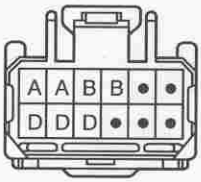


J 9 GRAY



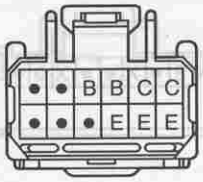
(Hint:See Page 7, 23, 39)

J13 (B) BLACK



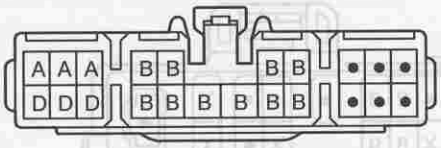
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

J15



(Hint:See Page 7, 23, 39)

S 2 GRAY

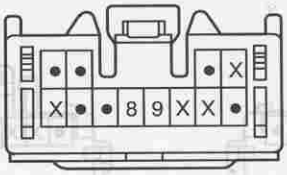
T 1 BLACK

T 2 BLACK

T 3 DARK GRAY

T 4 BLACK

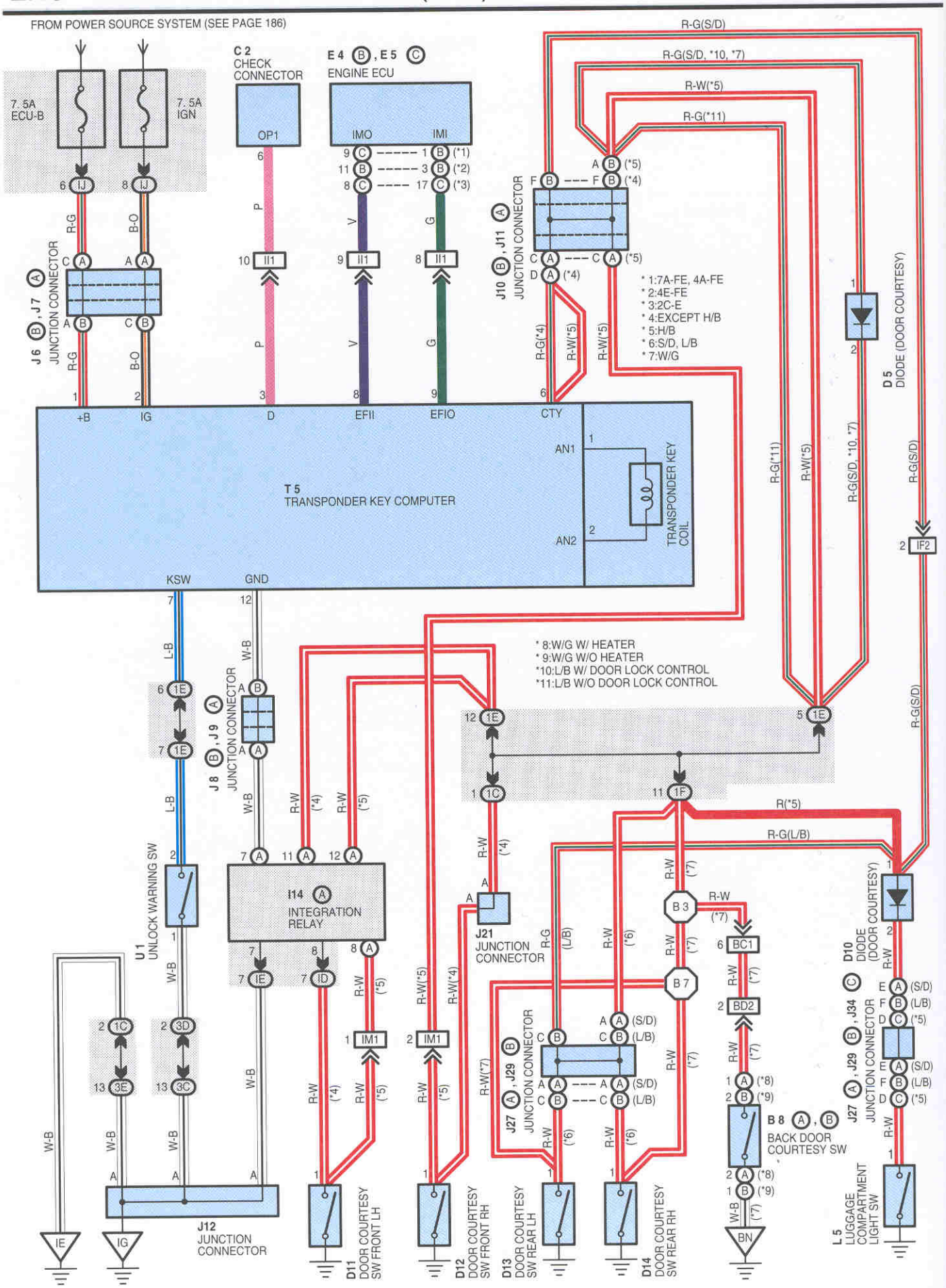
T 5



V 8 BROWN

W 3 GREEN

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)			92 (LHD H/B)
		90 (LHD L/B)	I14	A	86 (LHD)	T 5		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)			

▢ : 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

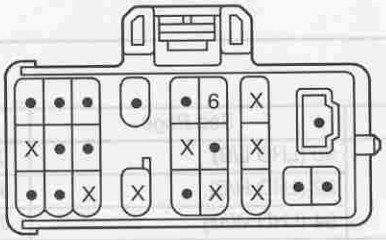
: SPLICE POINTS

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)

C 2 BLACK

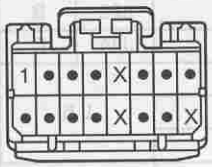


D 5 BLACK

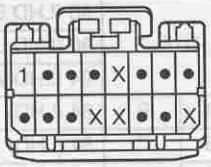
D10 BLACK

D11, D12, D13, D14

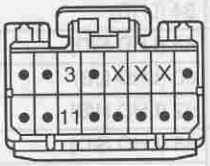
(7A-FE) E 4 (B) DARK GRAY



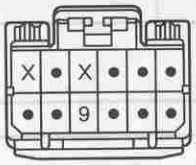
(4A-FE) E 4 (B) DARK GRAY



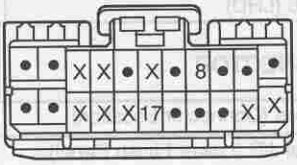
(4E-FE) E 4 (B) DARK GRAY



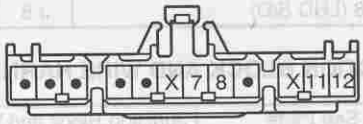
(7A-FE, 4A-FE) E 5 (C) DARK GRAY



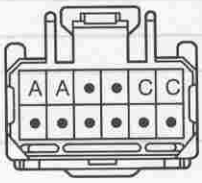
(2C-E) E 5 (C) DARK GRAY



I14 (A)

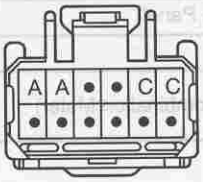


J 6 (B)



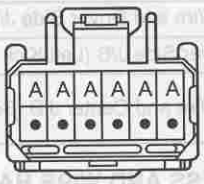
(Hint:See Page 7, 23, 39)

J 7 (A)



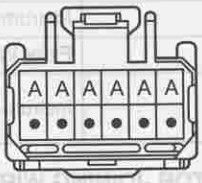
(Hint:See Page 7, 23, 39)

J 8 (B) GRAY



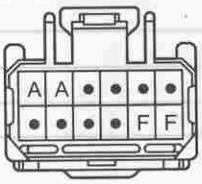
(Hint:See Page 7, 23, 39)

J 9 (A) GRAY



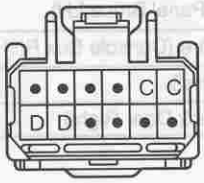
(Hint:See Page 7, 23, 39)

J10 (B)



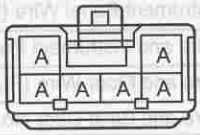
(Hint:See Page 7, 23, 39)

J11 (A)



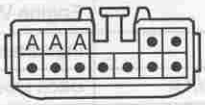
(Hint:See Page 7, 23, 39)

J12



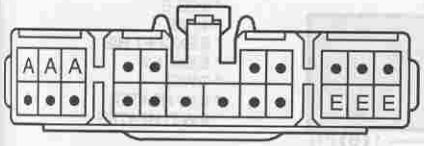
(Hint:See Page 7, 23, 39)

J21 BLACK



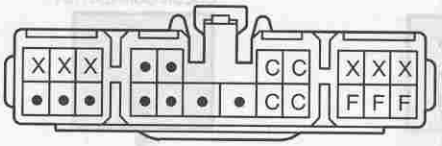
(Hint:See Page 7, 23, 39)

J27 (A)

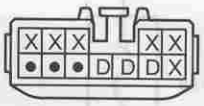


(Hint:See Page 7, 23, 39)

J29 (B) DARK GRAY

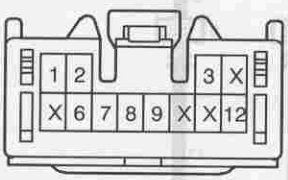


J34 (C) BLACK

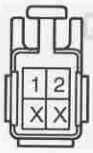


L 5 GRAY

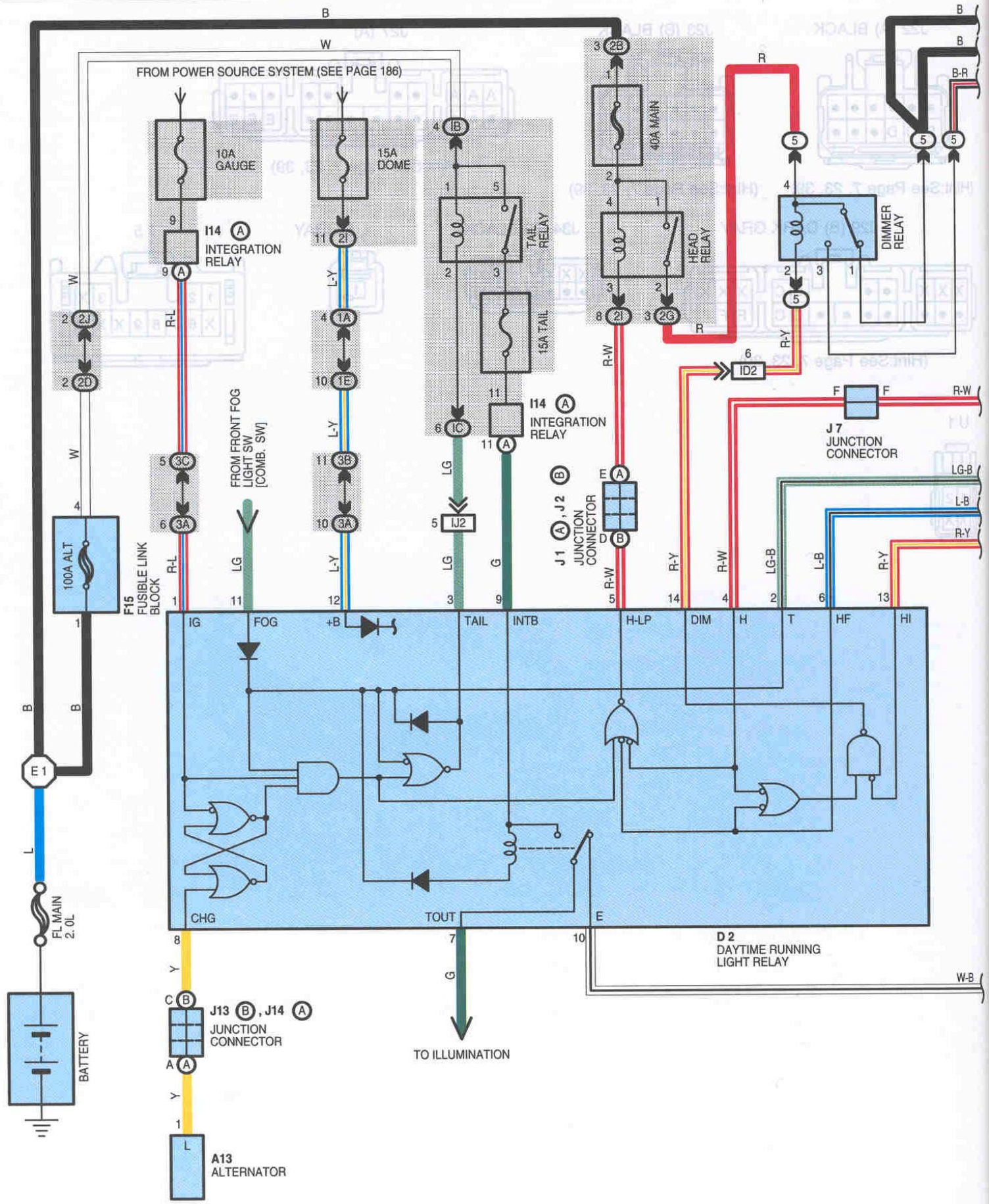
T 5

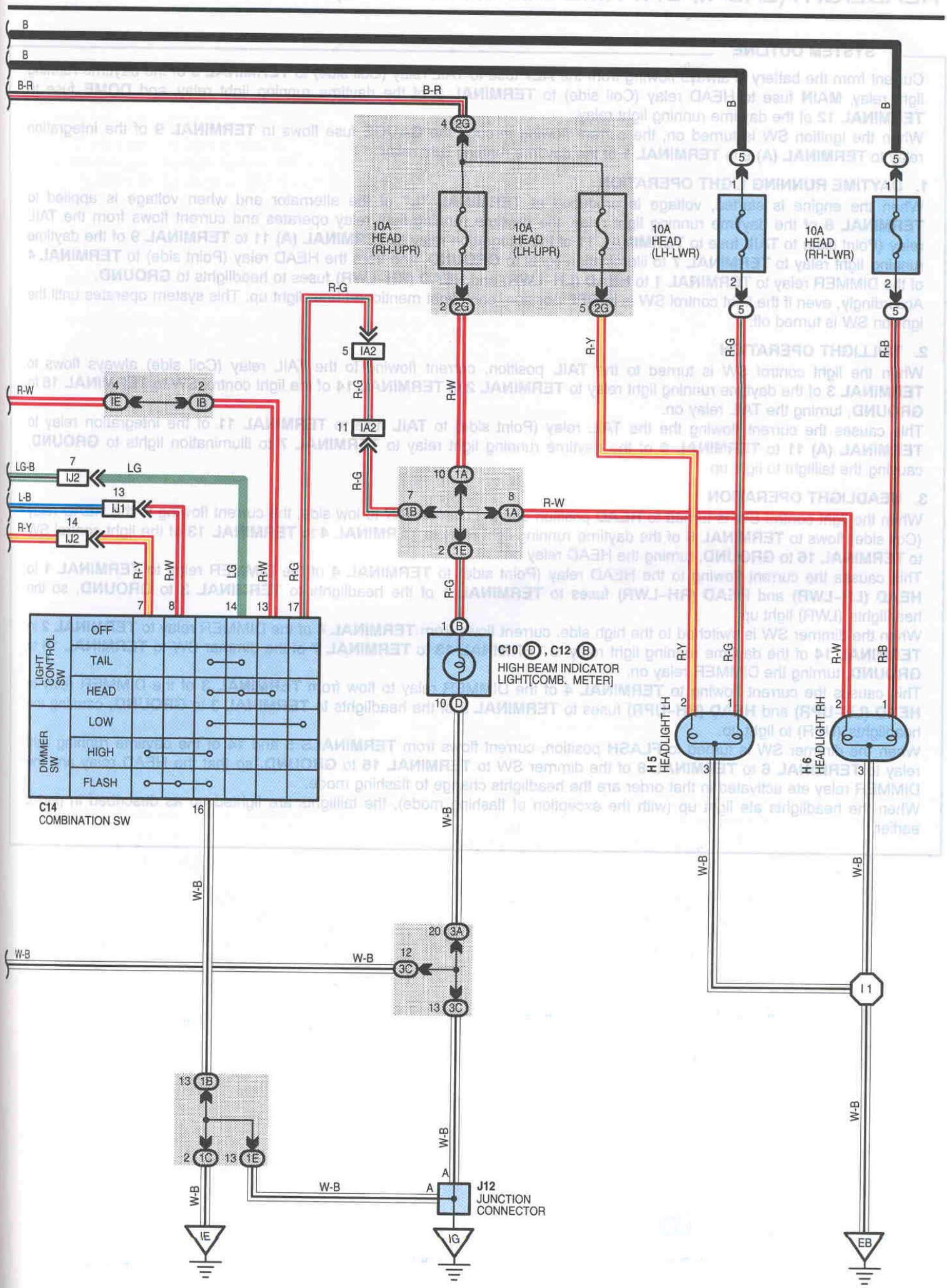


U 1



HEADLIGHT(LHD w/ DAYTIME RUNNING LIGHT)




B
B
B-R
B-R
10A
HEAD
(RH-UPR)
10A
HEAD
(LH-UPR)
10A
HEAD
(LH-LWR)
10A
HEAD
(RH-LWR)
R-G
R-Y
R-G
R-B
R-W
R-W
R-G
R-G
R-W
LG-B
LG
L-B
R-Y
R-Y
R-W
LG
R-W
R-G
R-G
R-W
R-Y
R-G
R-W
R-B
LIGHT CONTROL SW
OFF
TAIL
HEAD
DIMMER SW
LOW
HIGH
FLASH
C14
COMBINATION SW
C10 D , C12 B
HIGH BEAM INDICATOR
LIGHT[COMB. METER]
H5
HEADLIGHT LH
H6
HEADLIGHT RH
W-B
W-B
W-B
W-B
W-B
W-B
W-B
W-B
W-B
J12
JUNCTION
CONNECTOR
IE
IG
EB

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 **DOME** 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
A13		70 (LHD 7A-FE)
		72 (LHD 4A-FE)
		74 (LHD 4E-FE)
		80 (LHD 2C-E)
C10	D	84 (LHD)
C12	B	84 (LHD)
C14		84 (LHD)
D 2		84 (LHD)
F15		70 (LHD 7A-FE)

Code	See Page
F15	72 (LHD 4A-FE)
	74 (LHD 4E-FE)
	80 (LHD 2C-E)
H 5	70 (LHD 7A-FE)
	72 (LHD 4A-FE)
	74 (LHD 4E-FE)
	80 (LHD 2C-E)
H 6	70 (LHD 7A-FE)
	72 (LHD 4A-FE)

Code		See Page
H 6		74 (LHD 4E-FE)
		80 (LHD 2C-E)
I14	A	84 (LHD)
J 1	A	86 (LHD)
J 2	B	86 (LHD)
J 7		86 (LHD)
J12		86 (LHD)
J13	B	86 (LHD)
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		

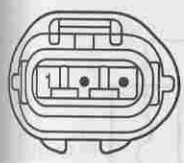
: GROUND POINTS

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

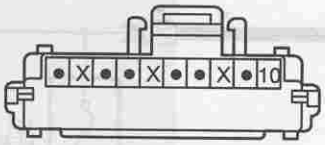
: SPLICE POINTS

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)				

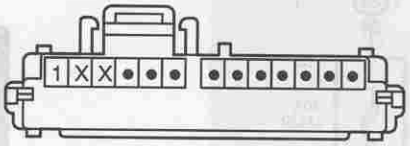
A13 GRAY



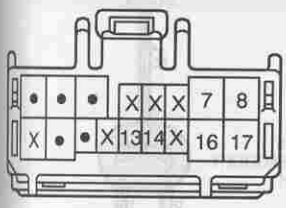
C10 (D) GRAY



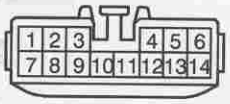
C12 (B) BROWN



C14



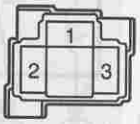
D 2 BLUE



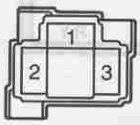
F15

(See Page 64)

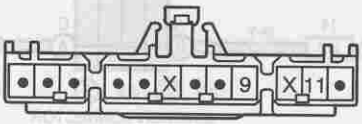
(Europe) H 5, H 6 BROWN



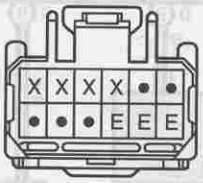
(Except Europe) H 5, H 6 GRAY



I14 (A)

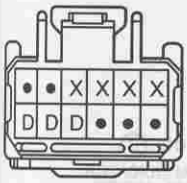


J 1 (A) BLACK



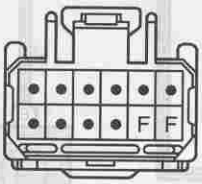
(Hint:See Page 7, 23, 39)

J 2 (B) BLACK



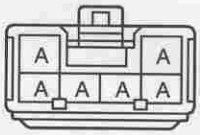
(Hint:See Page 7, 23, 39)

J 7



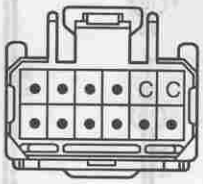
(Hint:See Page 7, 23, 39)

J12



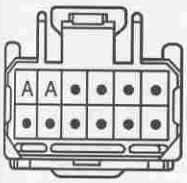
(Hint:See Page 7, 23, 39)

J13 (B) BLACK



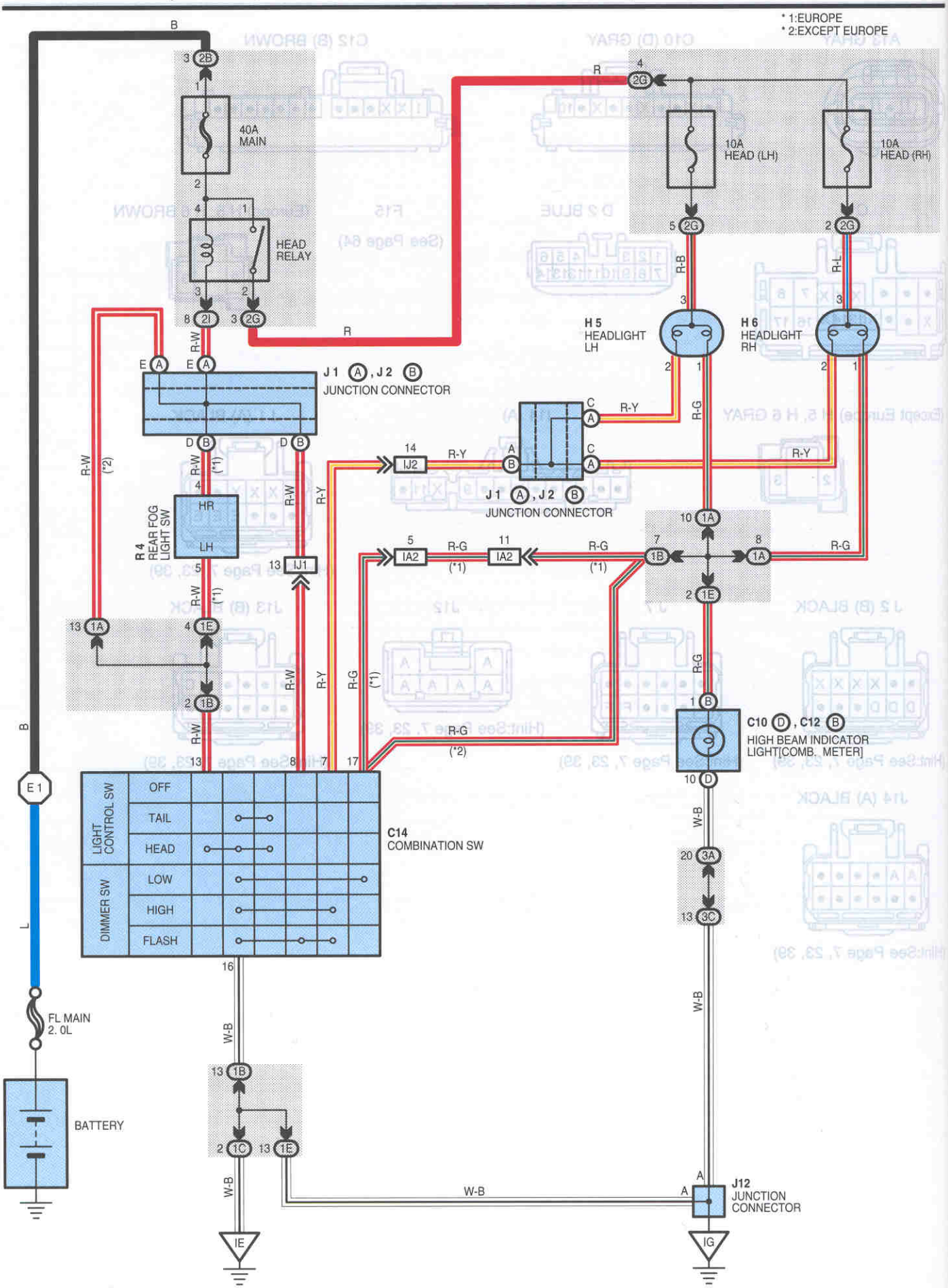
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



(Hint:See Page 7, 23, 39)

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

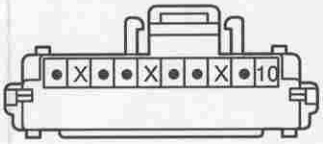
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

⬡ : SPLICE POINTS

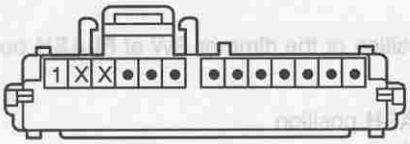
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A-FE)			128 (LHD 2C-E)	
	124 (LHD 4E-FE)			130 (LHD 2C)	
	125 (LHD 4A-F)				

HEADLIGHT(LHD w/o DAYTIME RUNNING LIGHT)

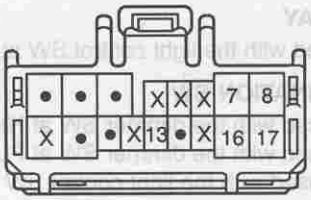
C10 (D) GRAY



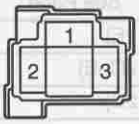
C12 (B) BROWN



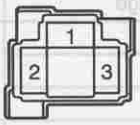
C14



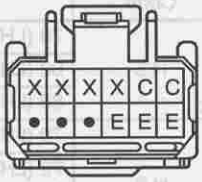
(Europe) H 5, H 6 BROWN



(Except Europe) H 5, H 6 GRAY

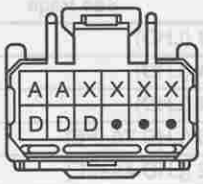


J 1 (A) BLACK



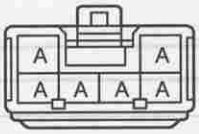
(Hint:See Page 7, 23, 39)

J 2 (B) BLACK



(Hint:See Page 7, 23, 39)

J12

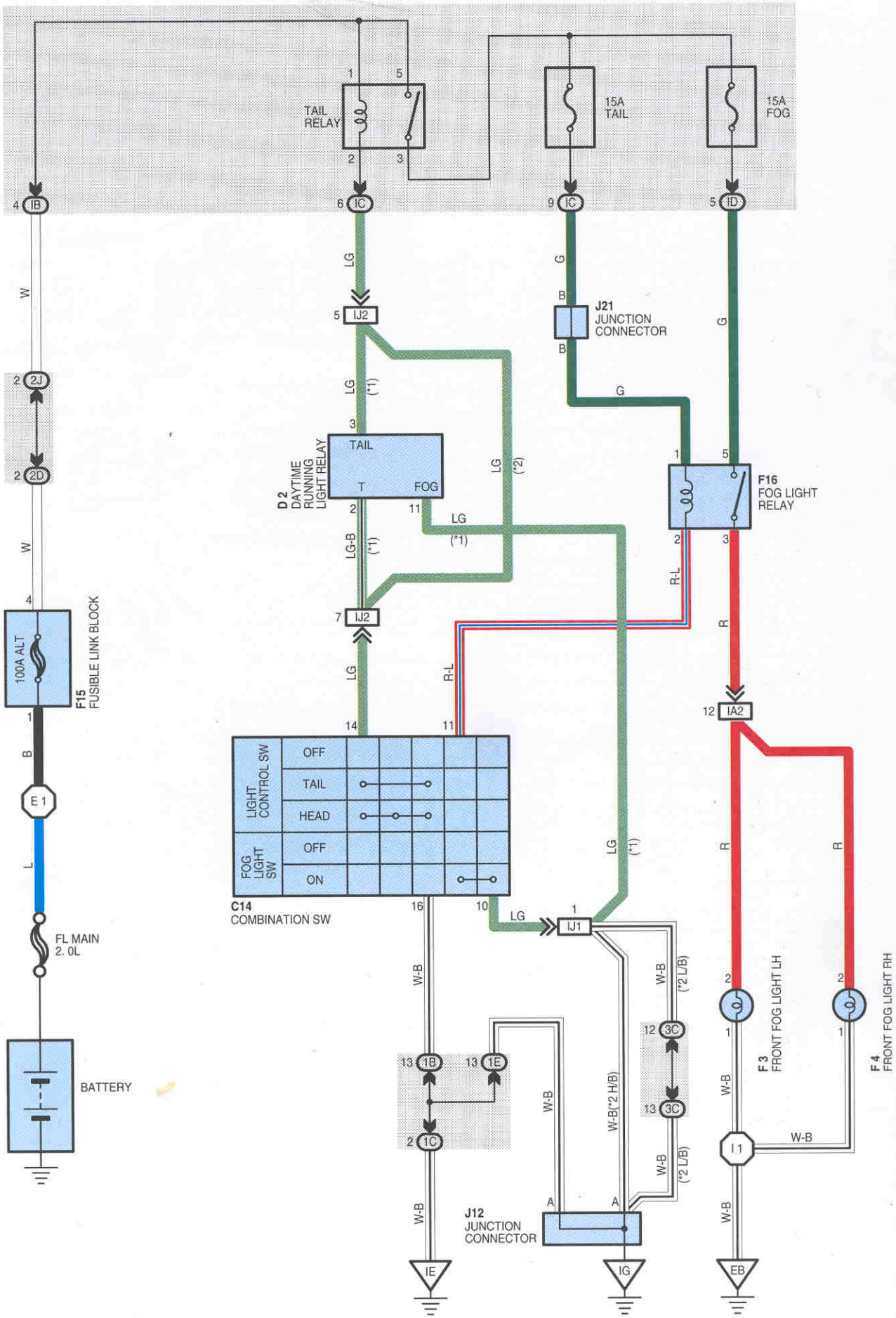


(Hint:See Page 7, 23, 39)

R 4 BLACK

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		
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)
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		

▽ : GROUND POINTS

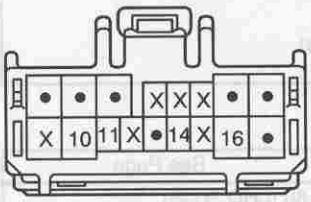
Code	See Page	Ground Points Location
EB	123 (LHD 4A-FE)	Front Side of Left Fender
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

⬡ : SPLICE POINTS

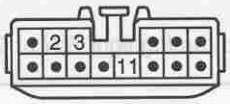
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	123 (LHD 4A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	124 (LHD 4E-FE)		I 1	134 (LHD)	Engine Room Main Wire

FRONT FOG LIGHT(LHD)

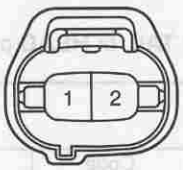
C14



D 2 BLUE



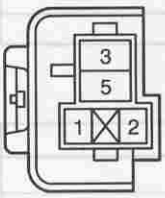
F 3, F 4 BLACK



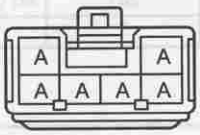
F15

(See Page 64)

F16 BROWN

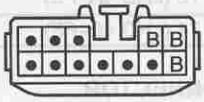


J12



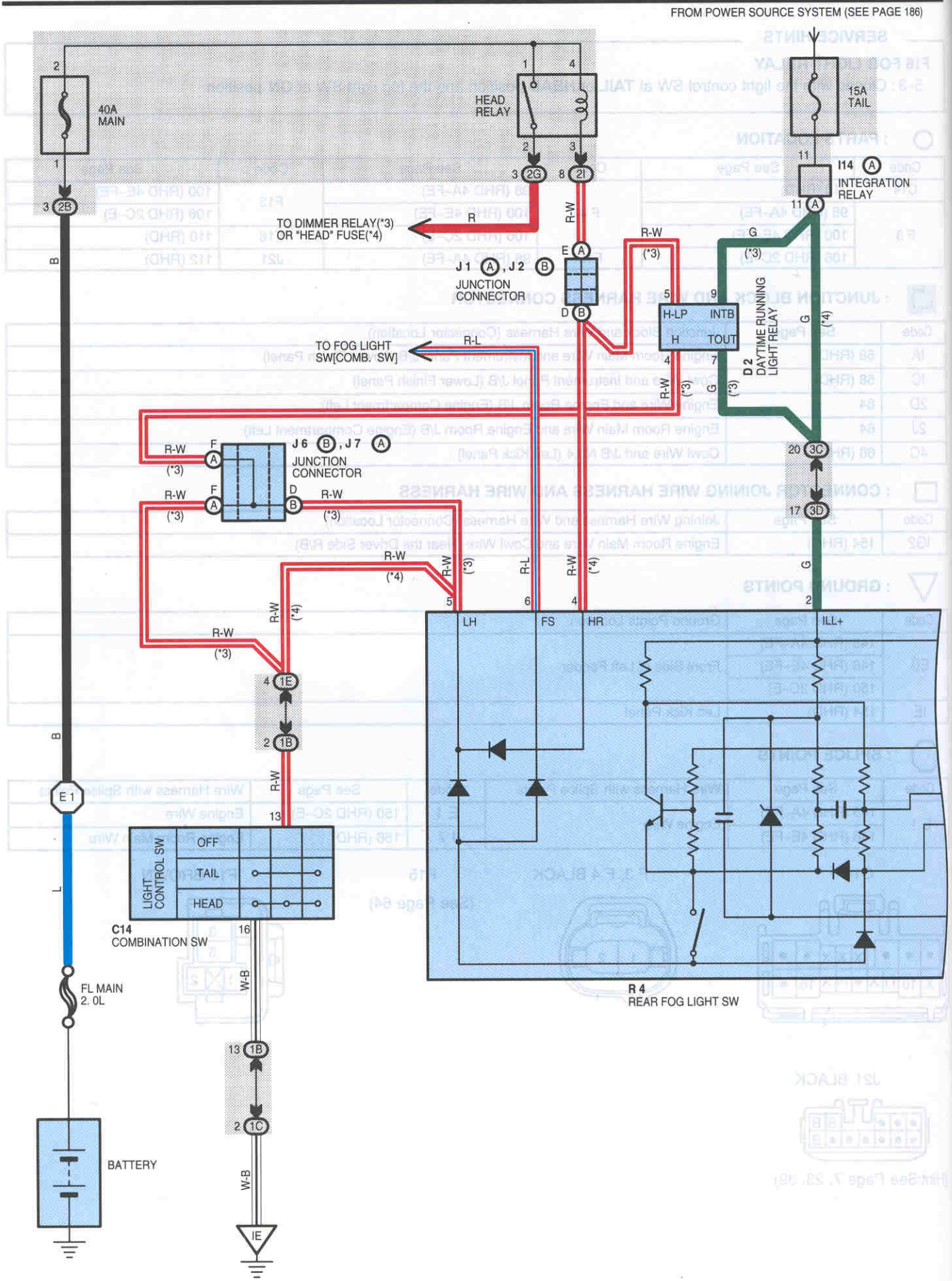
(Hint:See Page 64)

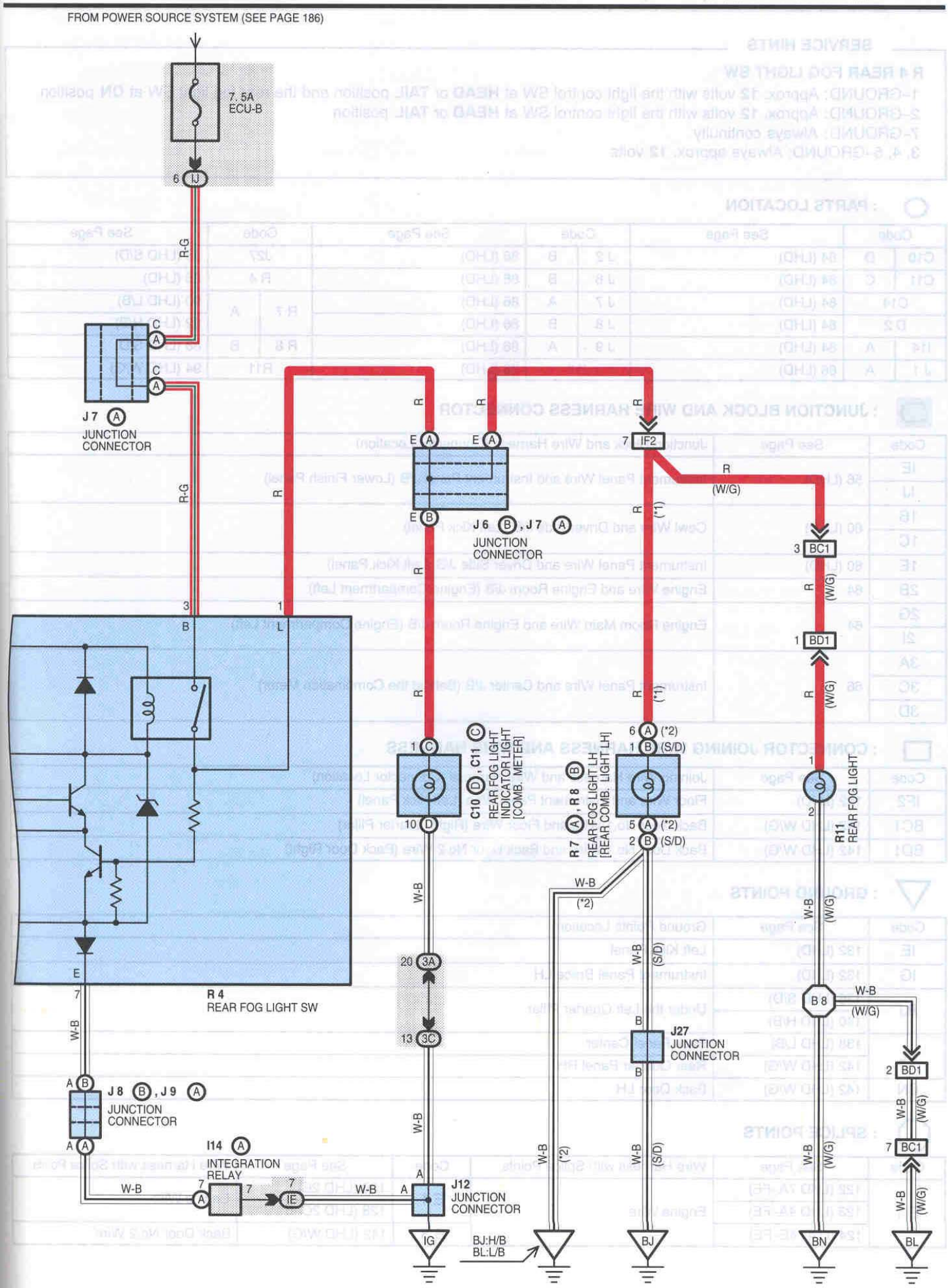
J21 BLACK



(Hint:See Page 64)

REAR FOG LIGHT(LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 186)
7.5A
ECU-B
6 IJ
R-G
J7 A
JUNCTION
CONNECTOR
R-G
R
E A
E A
E B
J6 B, J7 A
JUNCTION
CONNECTOR
7 IF2
R
(W/G)
(*1)
3 BC1
1 BD1
(W/G)
3
B
1
L
R4
REAR FOG LIGHT SW
E
7
W-B
1 C
10 D
C10 D, C11 C
REAR FOG LIGHT
INDICATOR LIGHT
[COMB. METER]
6 A (*2)
1 B (S/D)
5 A (*2)
2 B (S/D)
R7 A, R8 B
REAR FOG LIGHT LH
[REAR COMB. LIGHT LH]
1
2
R11
REAR FOG LIGHT
W-B
(*2)
(S/D)
20 3A
13 3C
B 8
W-B
(W/G)
J27
JUNCTION
CONNECTOR
2 BD1
7 BC1
A B
J8 B, J9 A
JUNCTION
CONNECTOR
A A
I14 A
INTEGRATION
RELAY
7 A
7
7 IE
W-B
A
J12
JUNCTION
CONNECTOR
IG
BJ:H/B
BL:L/B
BJ
BN
BL

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)
D 2		84 (LHD)	J 8	B	86 (LHD)			92 (LHD H/B)
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)

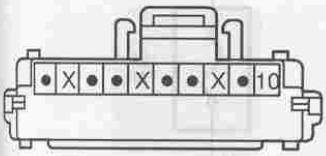
▽ : GROUND POINTS

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

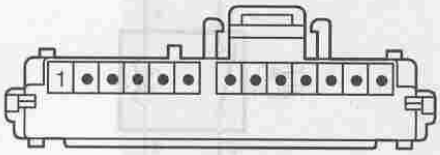
: SPLICE POINTS

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

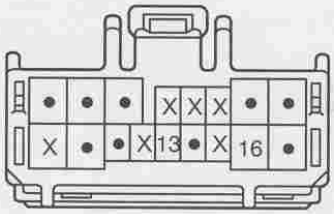
C10 (D) GARY



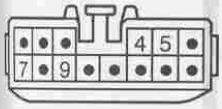
C11 (C) BLUE



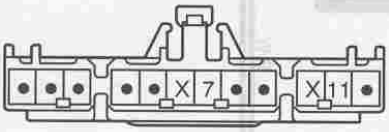
C14



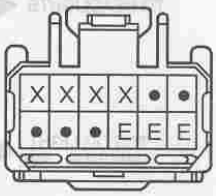
D 2 BLUE



I14 (A)

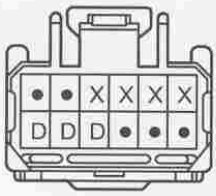


J 1 (A) BLACK



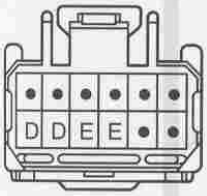
(Hint:See Page 7, 23, 39)

J 2 (B) BLACK



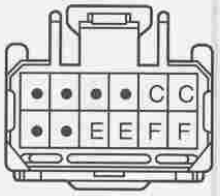
(Hint:See Page 7, 23, 39)

J 6 (B)



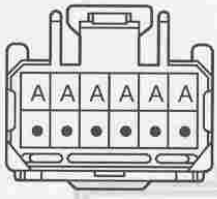
(Hint:See Page 7, 23, 39)

J 7 (A)



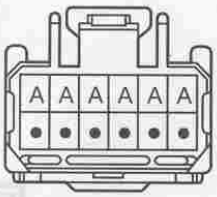
(Hint:See Page 7, 23, 39)

J 8 (B) GRAY



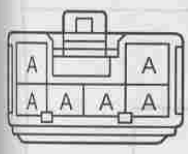
(Hint:See Page 7, 23, 39)

J 9 (A) GRAY



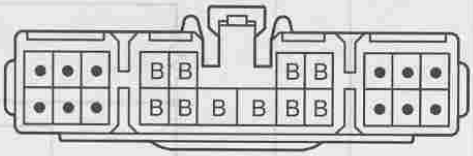
(Hint:See Page 7, 23, 39)

J12



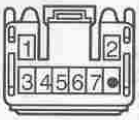
(Hint:See Page 7, 23, 39)

J27

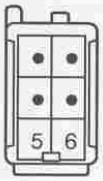


(Hint:See Page 7, 23, 39)

R 4 BLACK



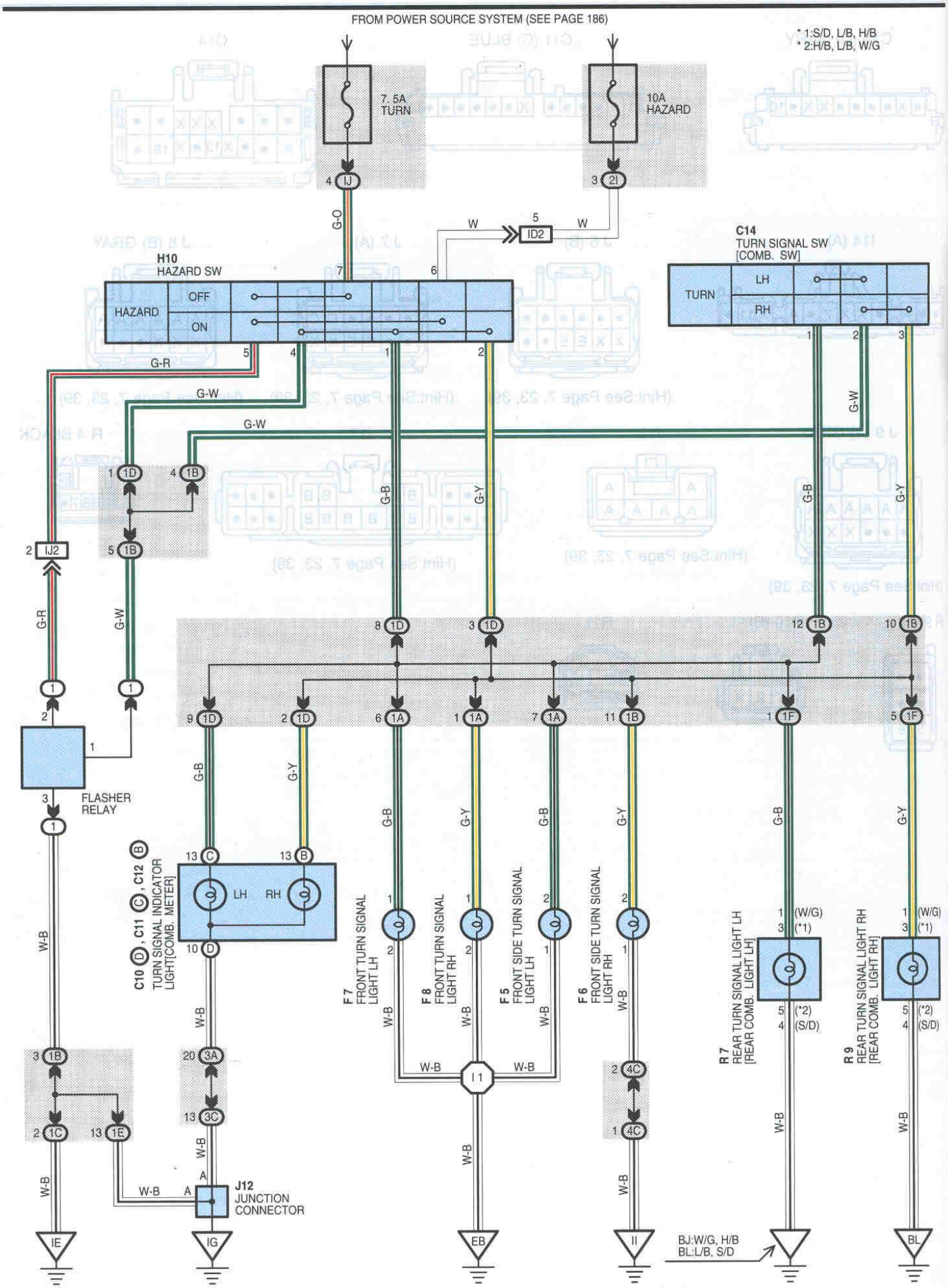
R 7 (A)



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)
		82 (LHD 2C)		82 (LHD 2C)	R 9	88 (LHD S/D)
F 6		70 (LHD 7A-FE)	F 8	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		
1D	60 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
1E		
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		
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)

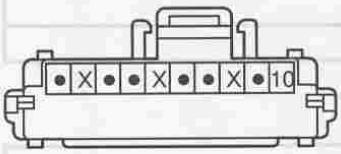
: GROUND POINTS

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

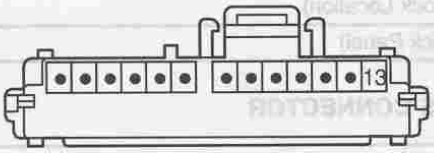
: SPLICE POINTS

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

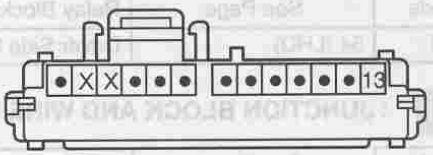
C10 (D) GRAY



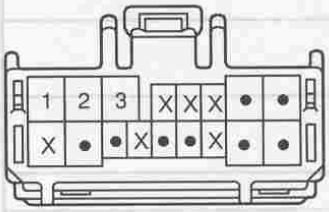
C11 (C) BLUE



C12 (B) BROWN

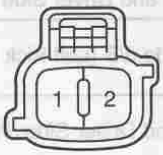


C14

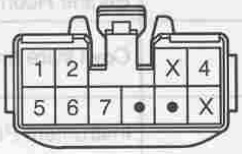


F 5, F 6 GRAY

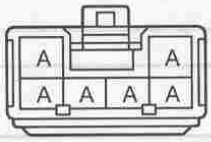
F 7, F 8 GRAY



H10 BLACK

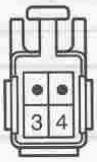


J12

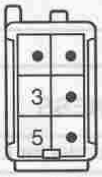


(Hint:See Page 7, 23, 39)

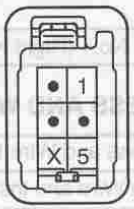
(S/D) R 7



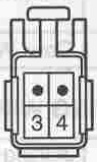
(L/B, H/B) R 7



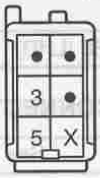
(W/G) R 7



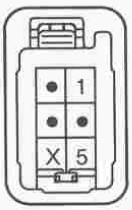
(S/D) R 9



(L/B, H/B) R 9

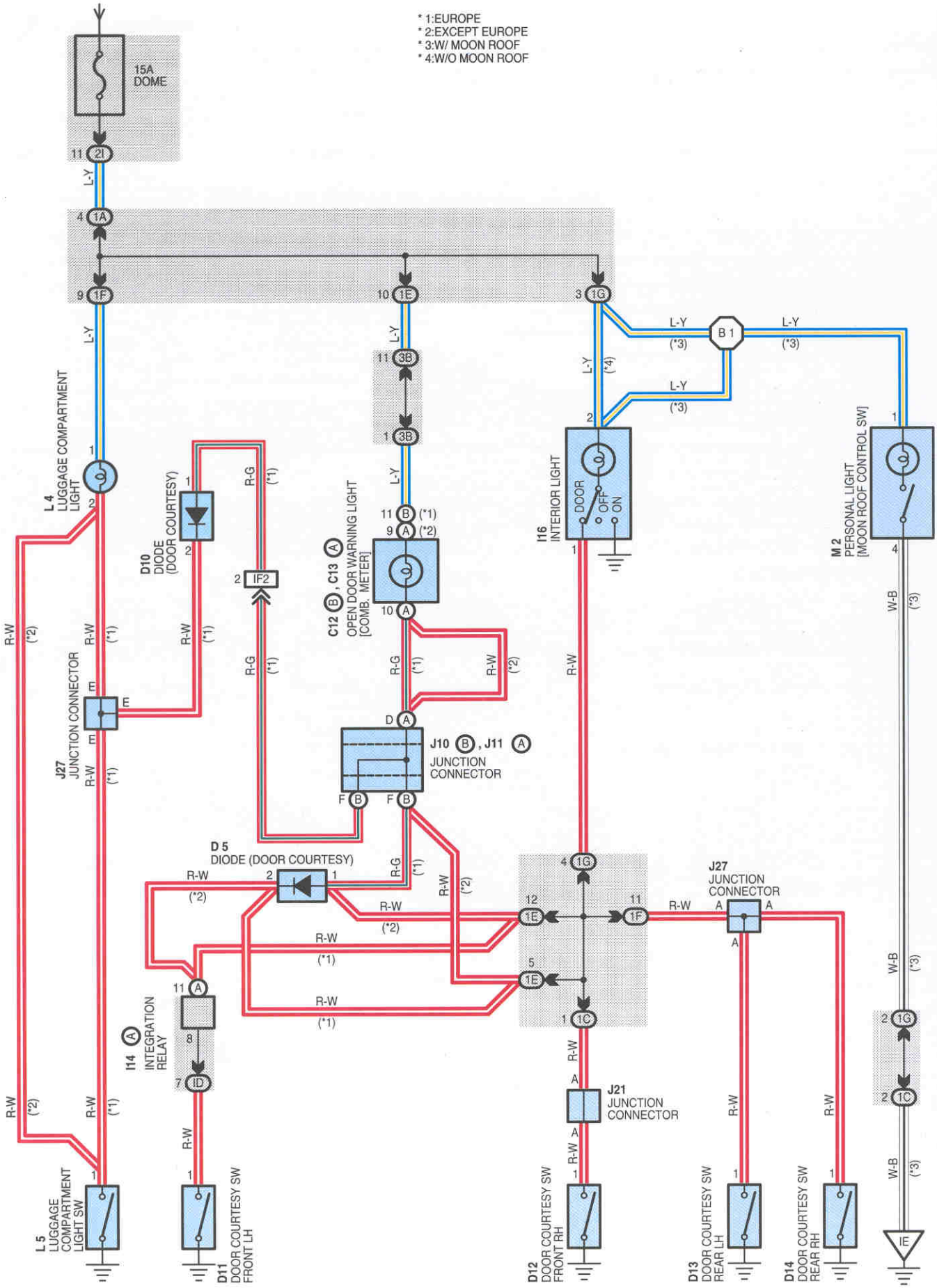


(W/G) R 9



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

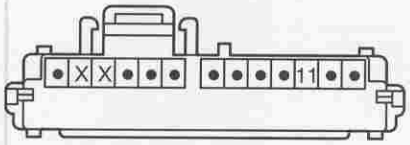
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

⬡ : SPLICE POINTS

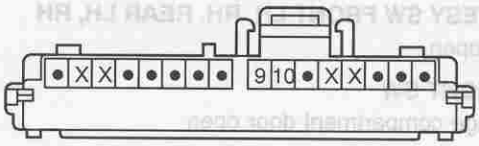
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	136 (LHD S/D)	Roof Wire			

INTERIOR LIGHT(LHD S/D)

C12 (B) BROWN



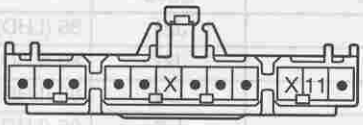
C13 (A)



D 5, D10 BLACK

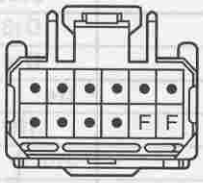
D11, D12, D13, D14

I14 (A)



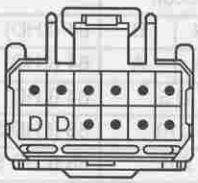
I16

J10 (B)



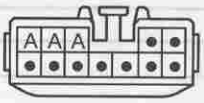
(Hint:See Page 7, 23, 39)

J11 (A)



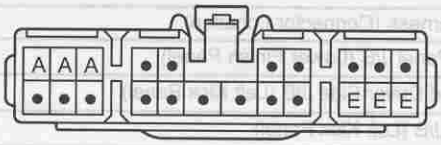
(Hint:See Page 7, 23, 39)

J21 BLACK



(Hint:See Page 7, 23, 39)

J27



(Hint:See Page 7, 23, 39)

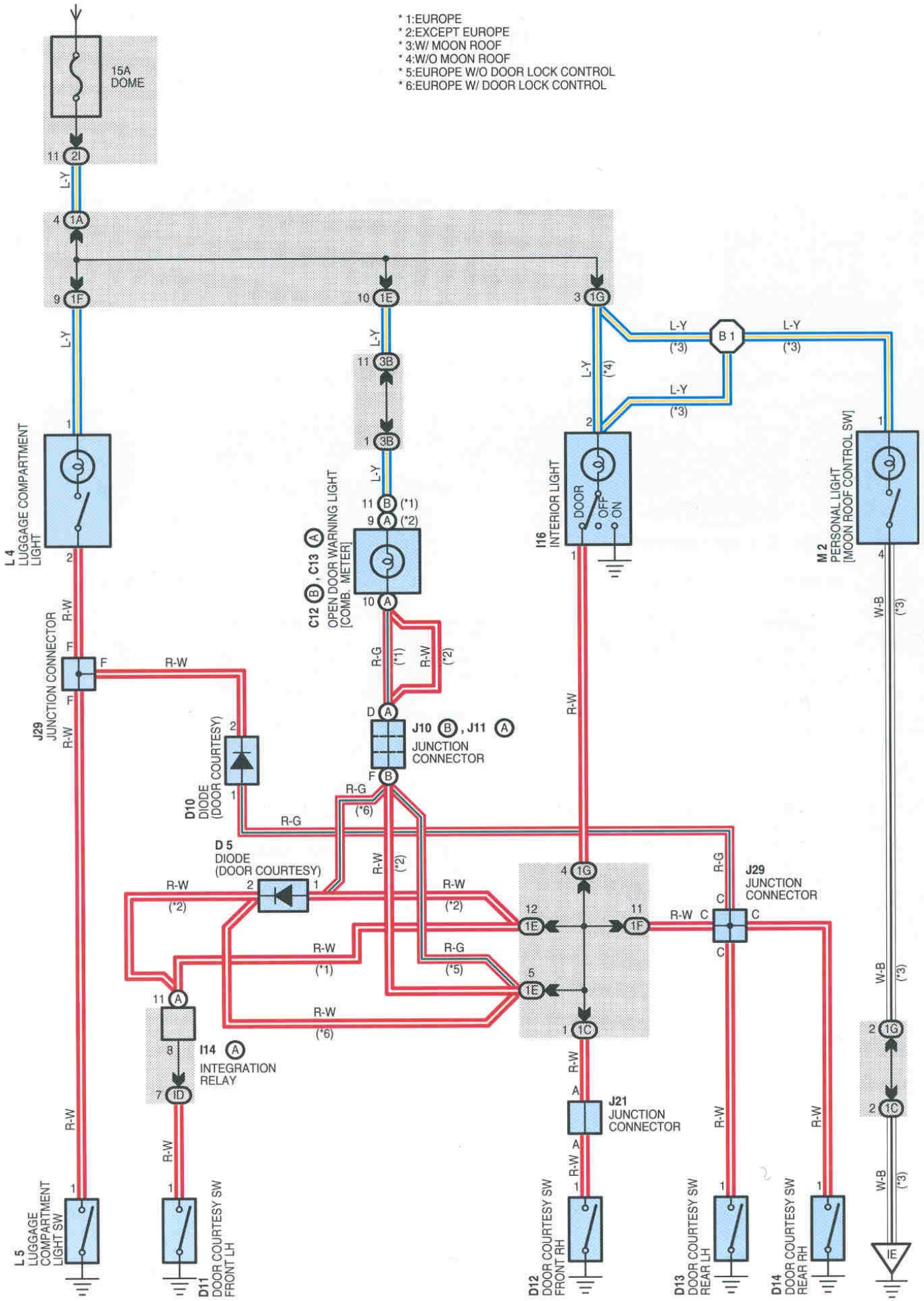
L 4 GRAY

L 5 GRAY

M 2

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

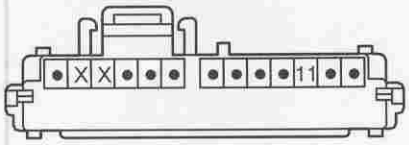
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

⬡ : SPLICE POINTS

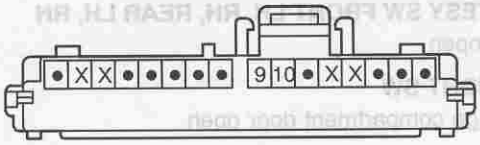
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	138 (LHD L/B)	Roof Wire			

INTERIOR LIGHT(LHD L/B)

C12 (B) BROWN



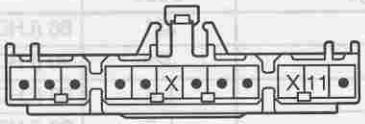
C13 (A)



D 5, D10 BLACK

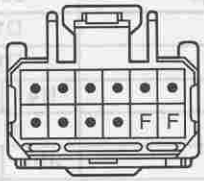
D11, D12, D13, D14

I14 (A)



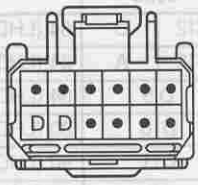
I16

J10 (B)



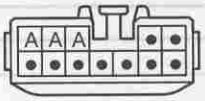
(Hint:See Page 7, 23, 39)

J11 (A)



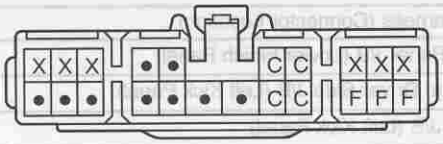
(Hint:See Page 7, 23, 39)

J21 BLACK



(Hint:See Page 7, 23, 39)

J29 DARK GRAY



(Hint:See Page 7, 23, 39)

L 4

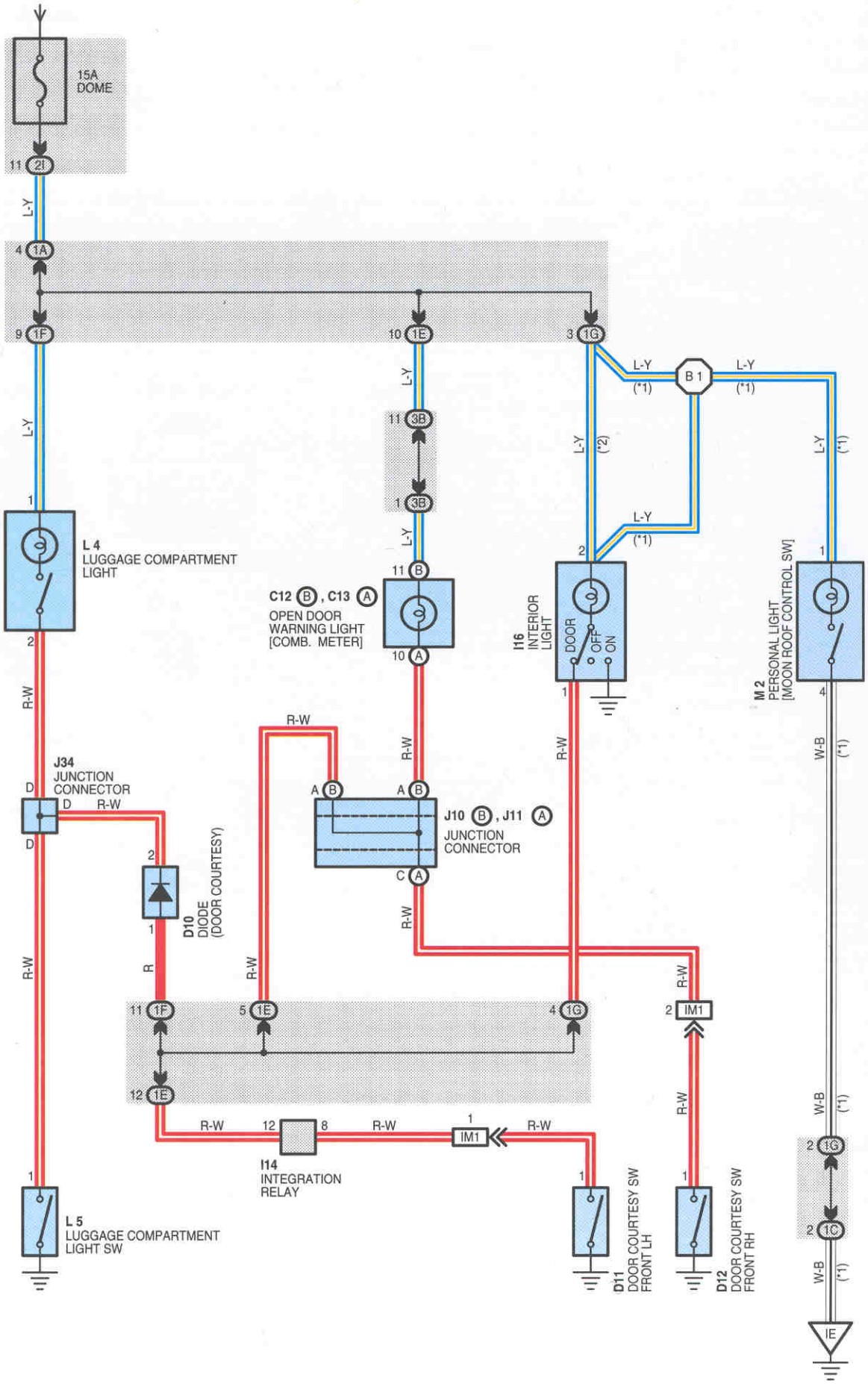
L 5 GRAY

M 2

INTERIOR LIGHT(LHD H/B)

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

FROM POWER SOURCE SYSTEM (SEE PAGE 186)



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

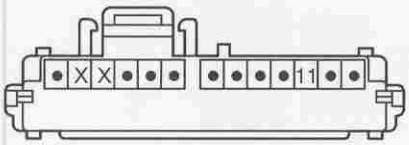
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel

⬡ : SPLICE POINTS

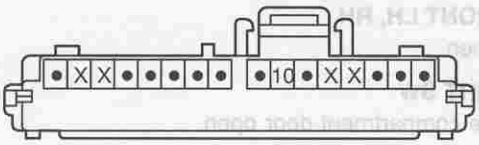
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	140 (LHD H/B)	Roof Wire			

INTERIOR LIGHT(LHD H/B)

C12 (B) BROWN



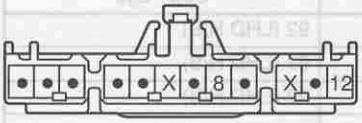
C13 (A)



D10 BLACK

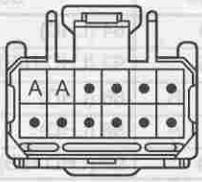
D11, D12

I14



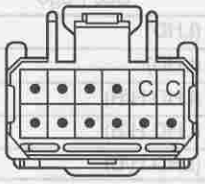
I16

J10 (B)



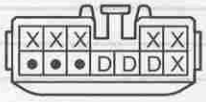
(Hint:See Page 7, 23, 39)

J11 (A)



(Hint:See Page 7, 23, 39)

J34 BLACK



(Hint:See Page 7, 23, 39)

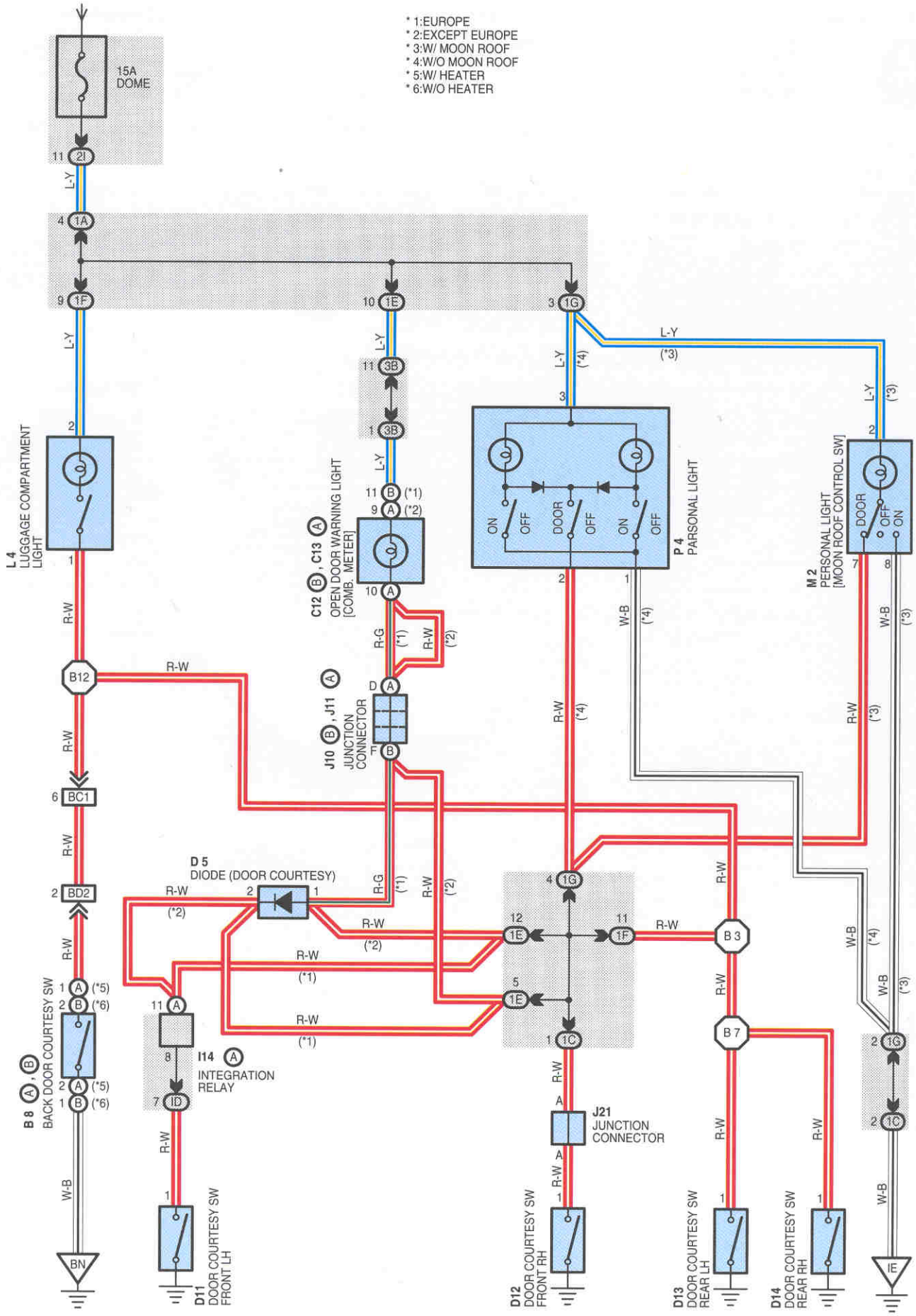
L 4

L 5 GRAY

M 2

INTERIOR LIGHT(LHD W/G)

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

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

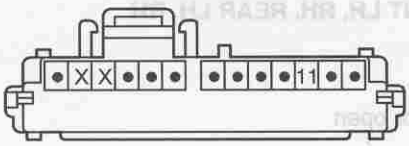
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 3	142 (LHD W/G)	Floor Wire	B12	142 (LHD W/G)	Floor Wire
B 7					

INTERIOR LIGHT(LHD W/G)

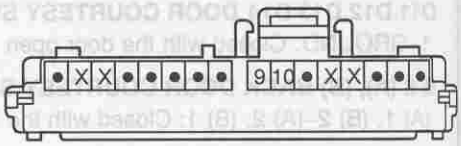
B 8 (A)

B 8 (B)

C12 (B) BROWN

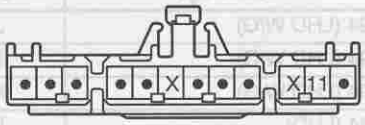


C13 (A)

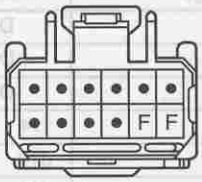


D 5 BLACK D11, D12, D13, D14

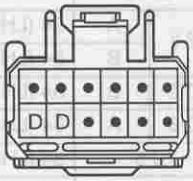
I14 (A)



J10 (B)

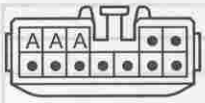


J11(A)



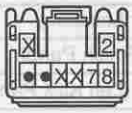
(Hint:See Page 7, 23, 39) (Hint:See Page 7, 23, 39)

J21 BLACK

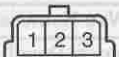


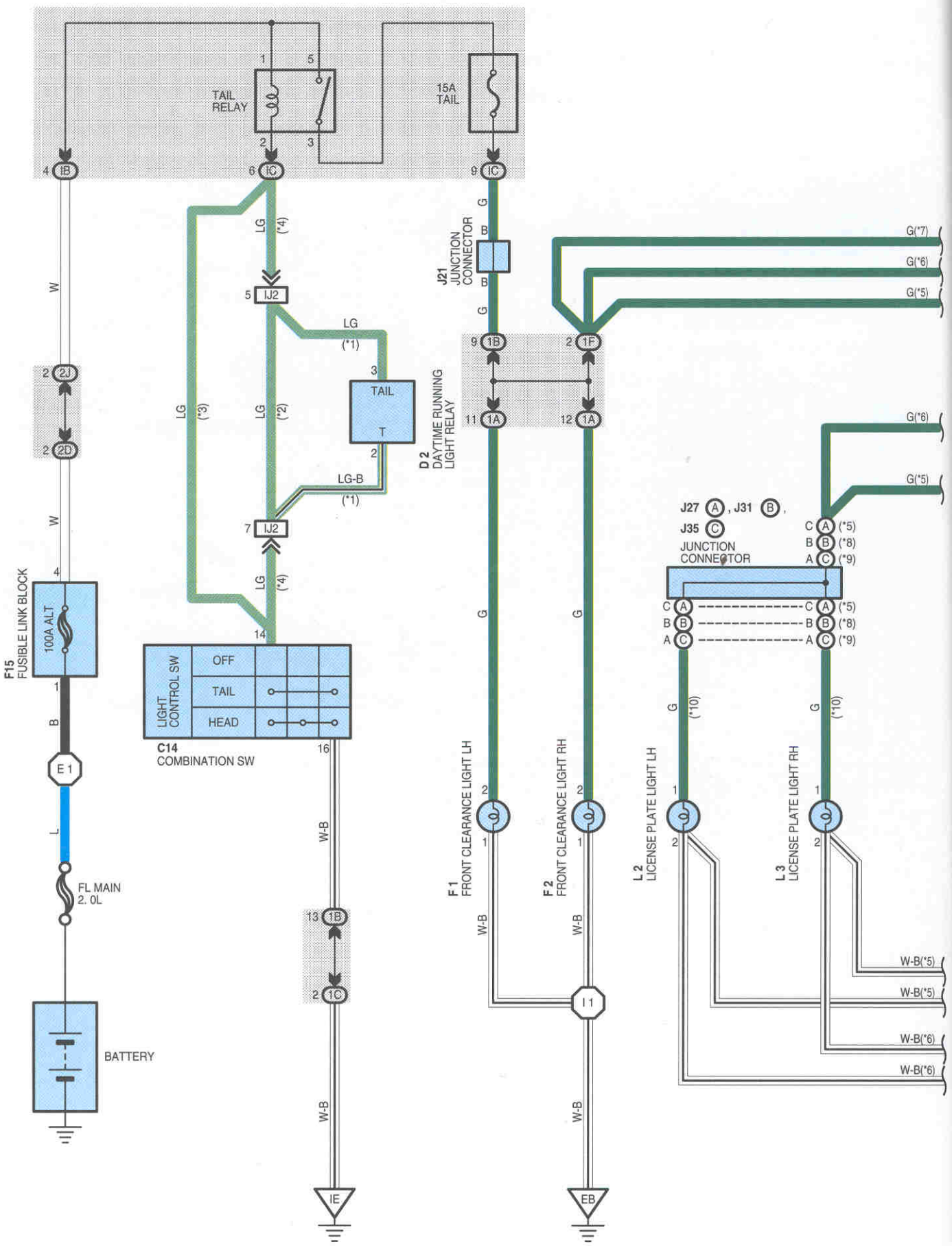
L 4

M 2

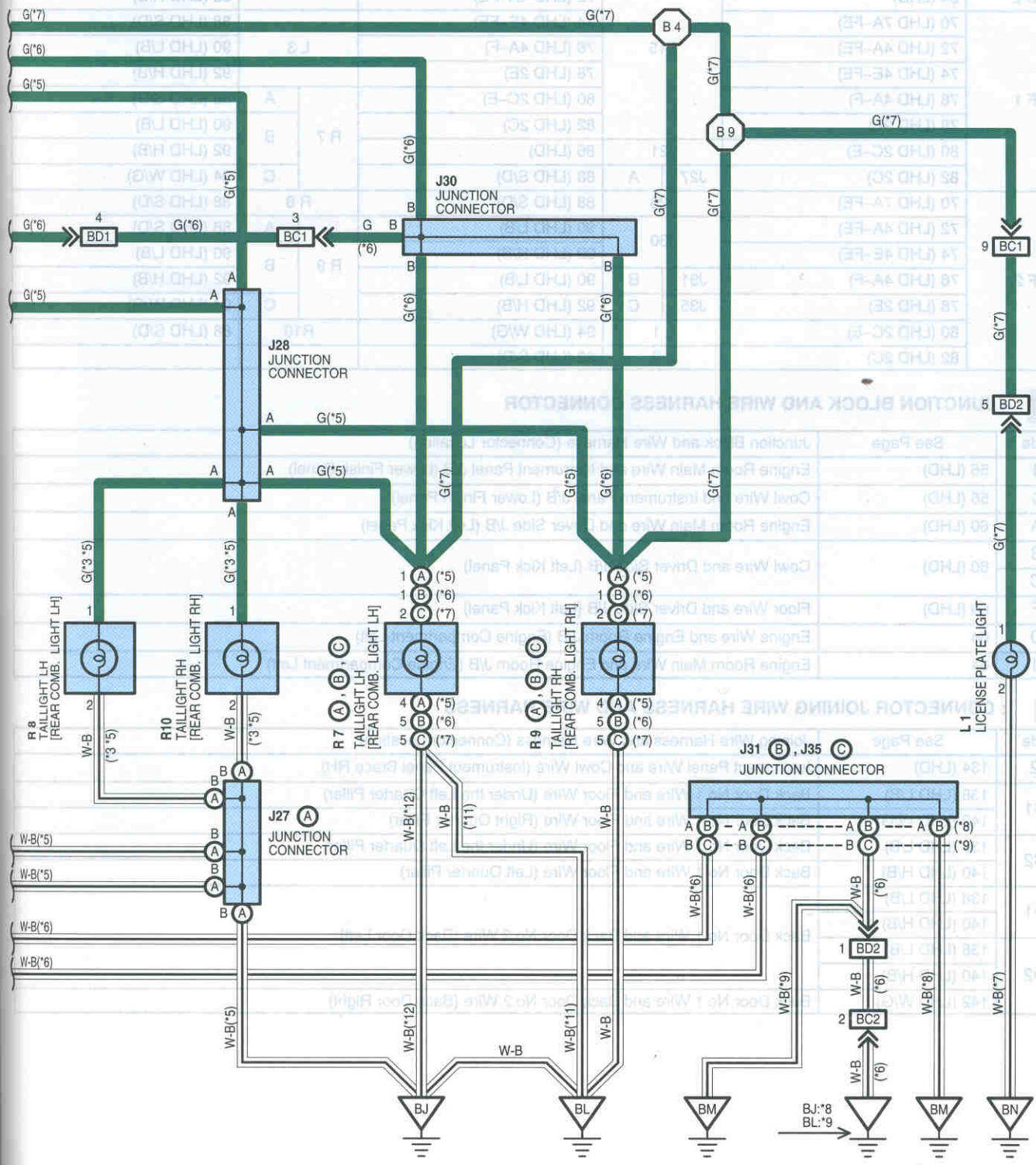


P 4




TAIL RELAY
15A TAIL
J21 JUNCTION CONNECTOR
D2 DAYTIME RUNNING LIGHT RELAY
TAIL
T
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
LIGHT CONTROL SW
OFF
TAIL
HEAD
C14 COMBINATION SW
J27 A, J31 B, J35 C JUNCTION CONNECTOR
F1 FRONT CLEARANCE LIGHT LH
F2 FRONT CLEARANCE LIGHT RH
L2 LICENSE PLATE LIGHT LH
L3 LICENSE PLATE LIGHT RH
E1
I1
IE
EB
G(*7)
G(*6)
G(*5)
W-B(*5)
W-B(*6)

* 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



TAILLIGHT(LHD)

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)	F15	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)	R 7 B	90 (LHD L/B)
	80 (LHD 2C–E)	J21	86 (LHD)		92 (LHD H/B)
	82 (LHD 2C)	J27 A	88 (LHD S/D)	R 7 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)	R 9 A	88 (LHD S/D)
	74 (LHD 4E–FE)		92 (LHD H/B)	R 9 B	90 (LHD L/B)
	76 (LHD 4A–F)	J31 B	90 (LHD L/B)		92 (LHD H/B)
	78 (LHD 2E)	J35 C	92 (LHD H/B)	R 9 C	94 (LHD W/G)
	80 (LHD 2C–E)	L 1	94 (LHD W/G)	R10	88 (LHD S/D)
	82 (LHD 2C)	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

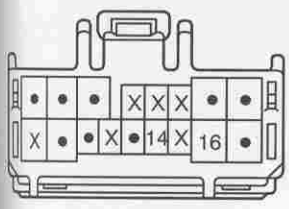
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
BC1	138 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter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

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)	
	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
	140 (LHD H/B)	Back Door LH
BN	142 (LHD W/G)	

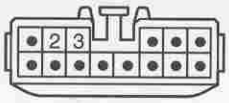
: SPLICE POINTS

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

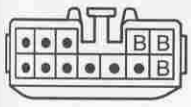


F 1, F 2 GRAY

F15

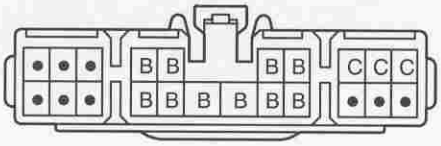
(See Page 64)

J21 BLACK



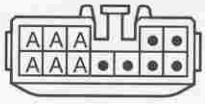
(Hint:See Page 7, 23, 39)

J27 (A)



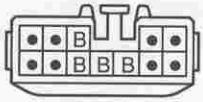
(Hint:See Page 7, 23, 39)

J28



(Hint:See Page 7, 23, 39)

J30 GRAY

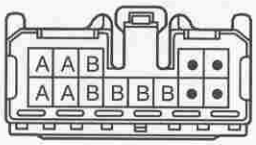


(Hint:See Page 7, 23, 39)

J31 (B)

(Hint:See Page 7, 23, 39)

J35 (C)



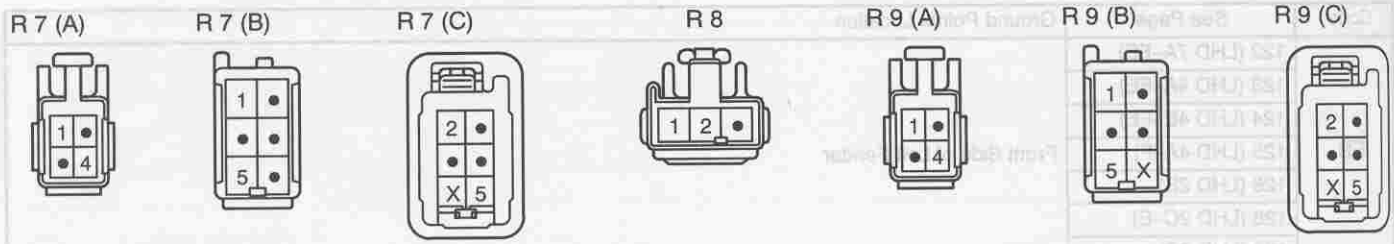
(Hint:See Page 7, 23, 39)

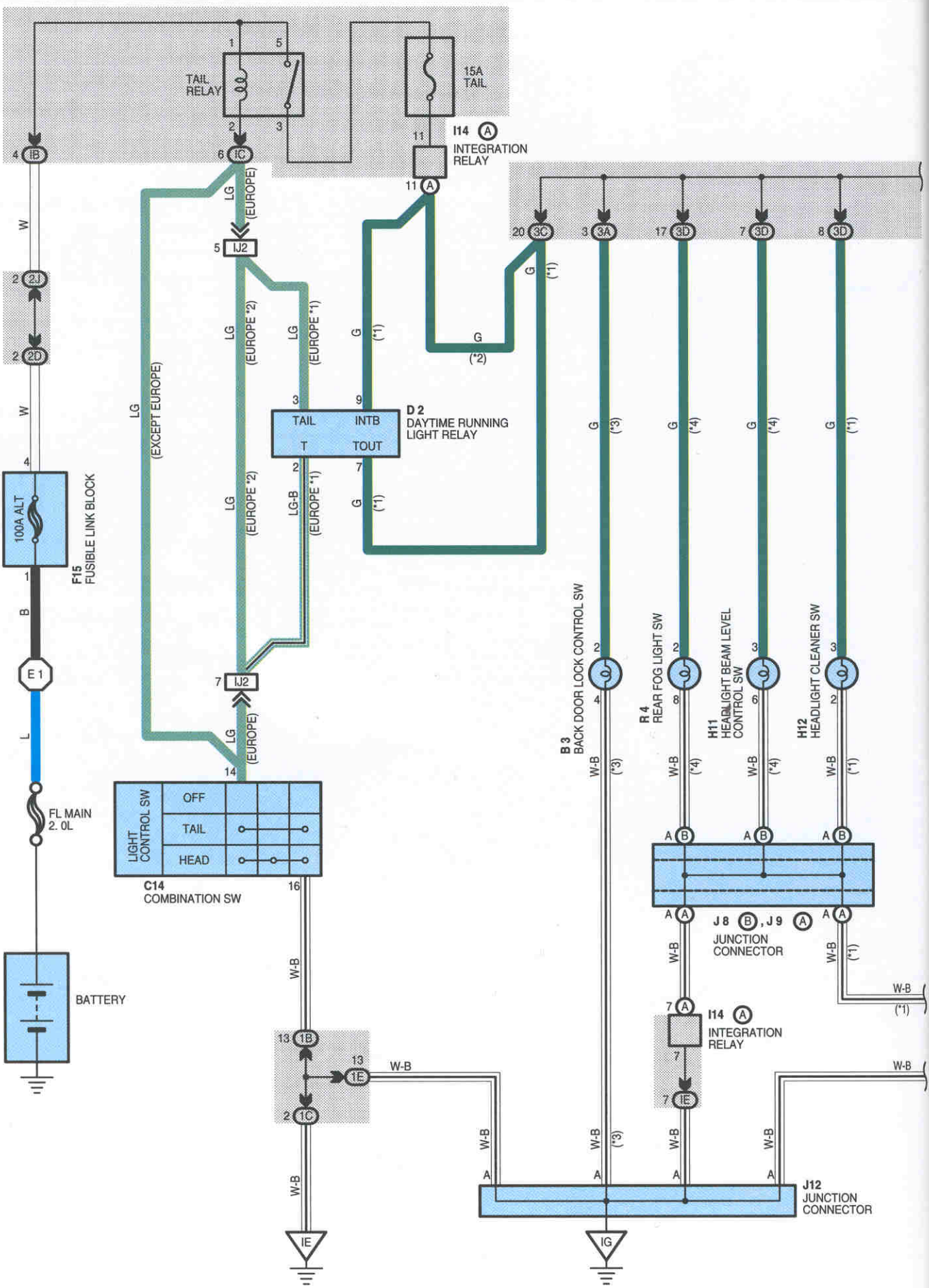
L 1 GRAY

(S/D, H/B) L 2, L 3 GRAY

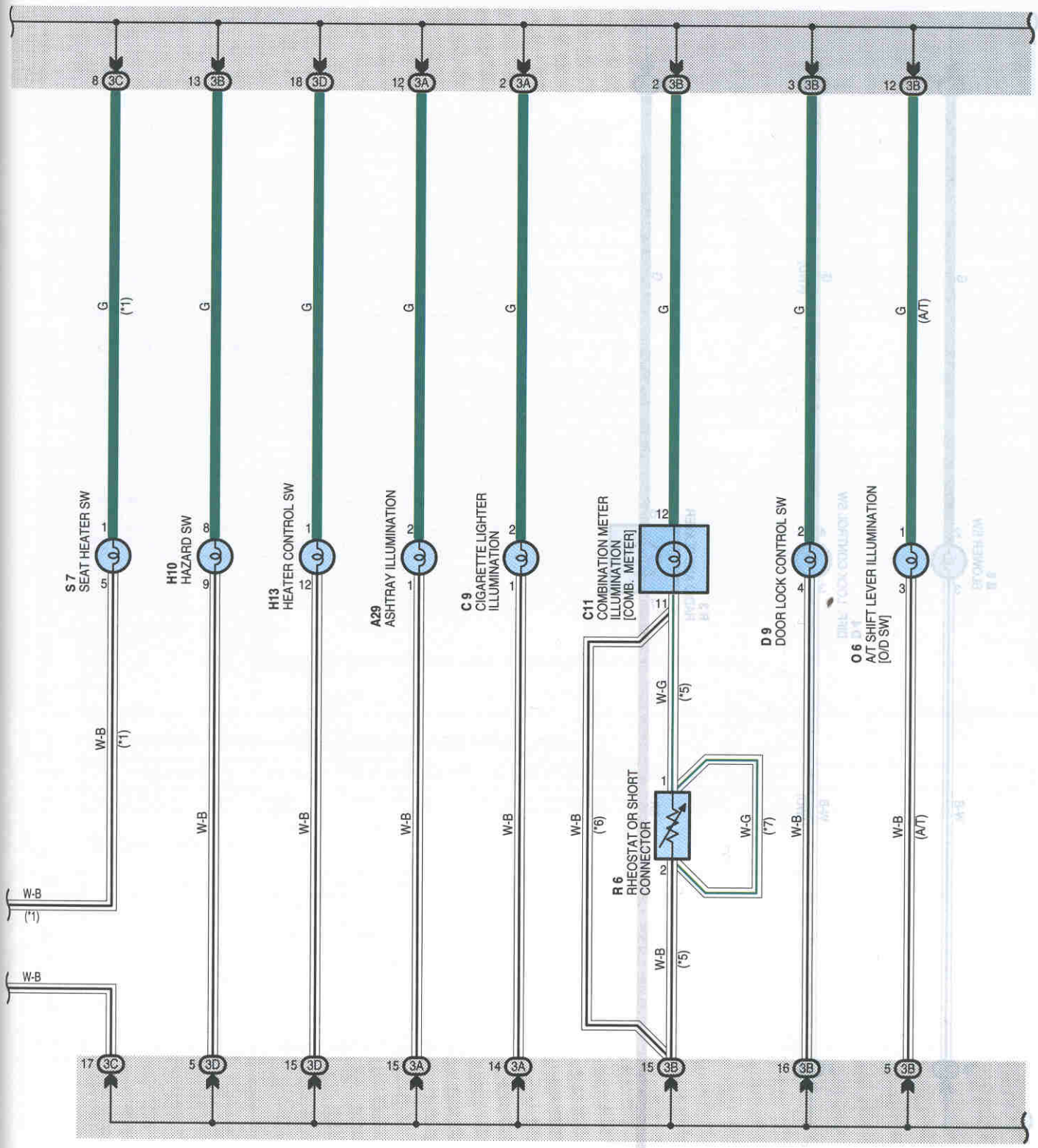
(L/B) L 2, L 3

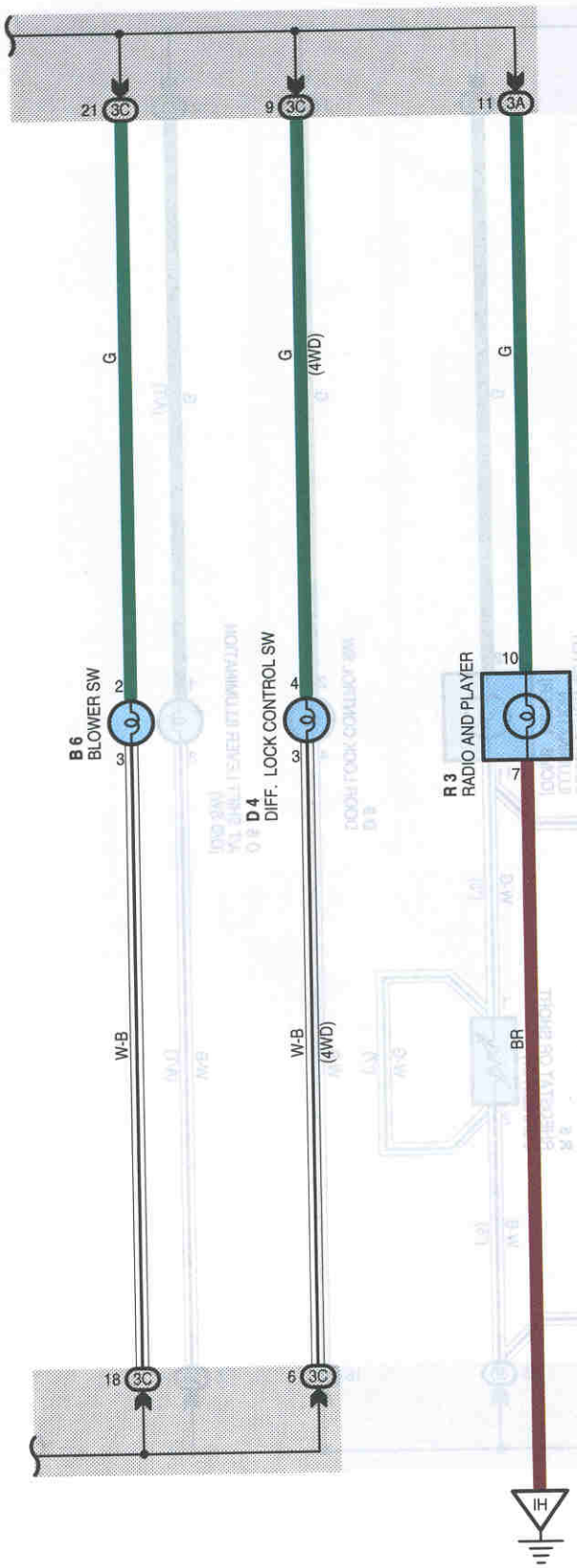
TAILLIGHT(LHD)




TAIL RELAY
15A TAIL
I14 A
INTEGRATION RELAY
1B
1C
2J
2D
W
LG
(EUROPE)
IJ2
(EXCEPT EUROPE)
(EUROPE *2)
(EUROPE *1)
LG-B
G
(*1)
(*2)
D 2
DAYTIME RUNNING LIGHT RELAY
TAIL
INTB
T
TOUT
3C
3A
3D
(*3)
(*4)
100A ALT
F15
FUSIBLE LINK BLOCK
B
E 1
L
FL MAIN 2. 0L
BATTERY
LIGHT CONTROL SW
OFF
TAIL
HEAD
C14
COMBINATION SW
W-B
1E
IE
IG
B 3
BACK DOOR LOCK CONTROL SW
R 4
REAR FOG LIGHT SW
H11
HEADLIGHT BEAM LEVEL CONTROL SW
H12
HEADLIGHT CLEANER SW
J 8 B , J 9 A
JUNCTION CONNECTOR
J12
JUNCTION CONNECTOR

* 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




21
3C
9
3C
11
3A
G
G
(4WD)
G
B 6
BLOWER SW
2
3
D 4
DIFF. LOCK CONTROL SW
4
3
R 3
RADIO AND PLAYER
10
7
W-B
W-B
(4WD)
BR
18
3C
6
3C
IH

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

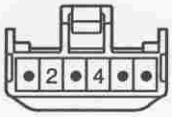
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH

⬡ : SPLICE POINTS

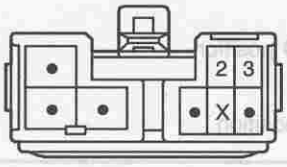
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A–FE)	Engine Wire	E 1	126 (LHD 2E)	Engine Wire
	123 (LHD 4A–FE)			128 (LHD 2C–E)	
	124 (LHD 4E–FE)			130 (LHD 2C)	
	125 (LHD 4A–F)				

A29 BLACK

B 3

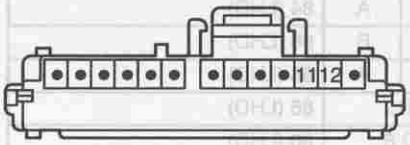


B 6 BLACK

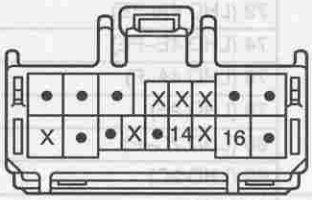


C 9 GRAY

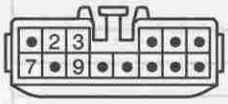
C11 BLUE



C14

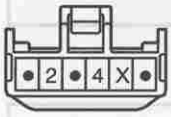


D 2 BLUE



D 4 BLACK

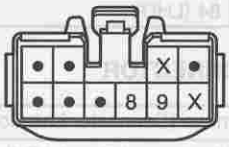
D 9 BLACK



F15

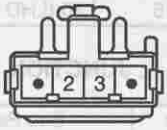
(See Page 64)

H10 BLACK

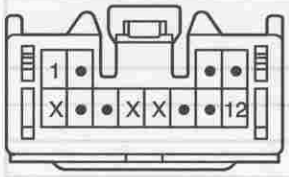


H11

H12 BLACK

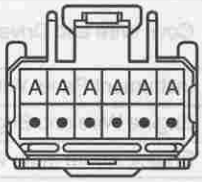


H13



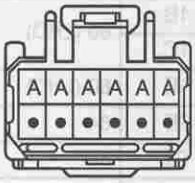
I14 (A)

J 8 (B) GRAY



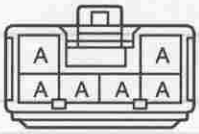
(Hint:See Page 7,23,39)

J 9 (A) GRAY



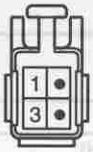
(Hint:See Page 7,23,39)

J12

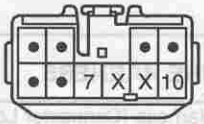


(Hint:See Page 7,23,39)

O 6 BLUE



R 3



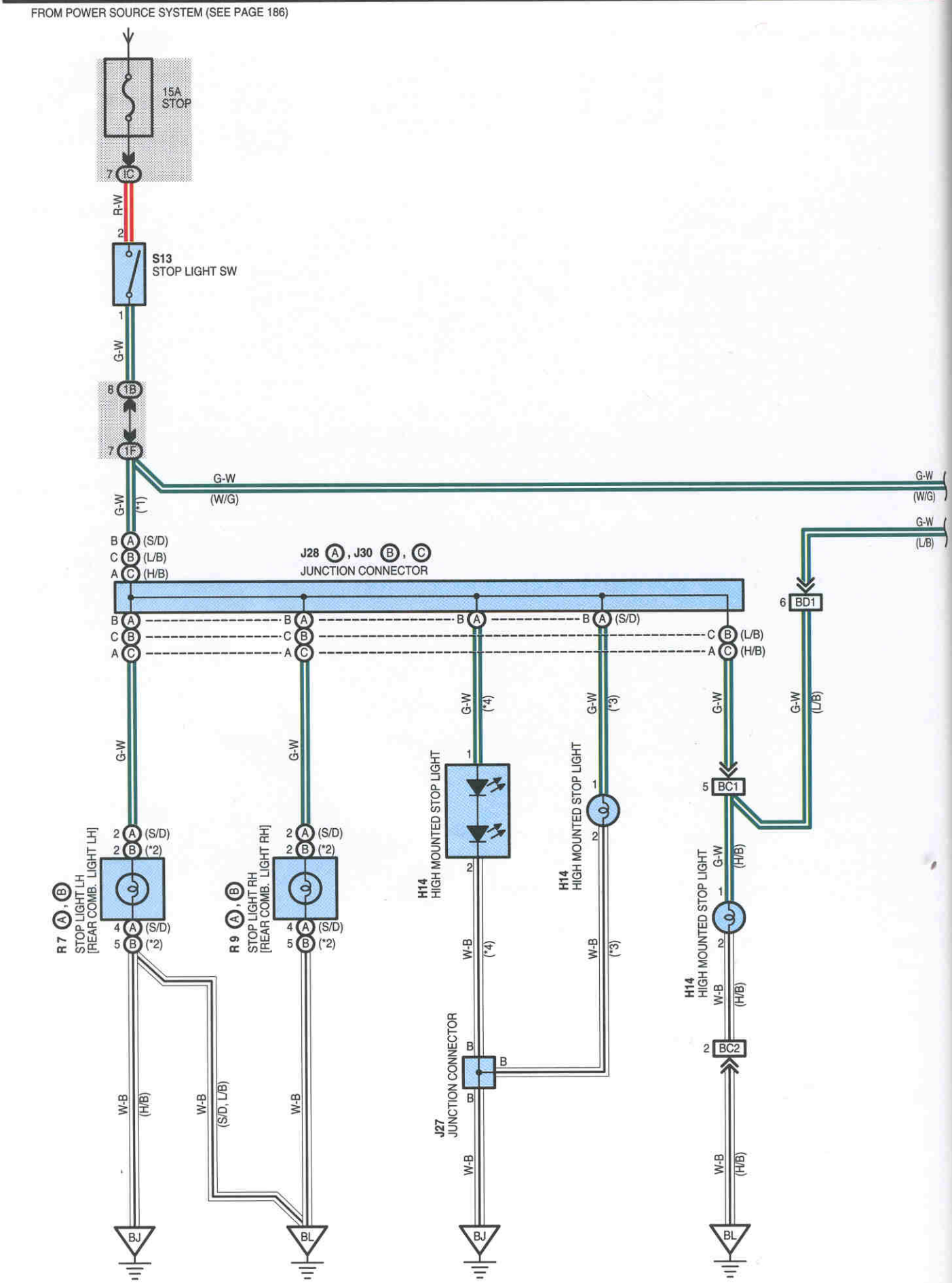
R 4 BLACK

(w/ Rheostat) R 6 BLACK

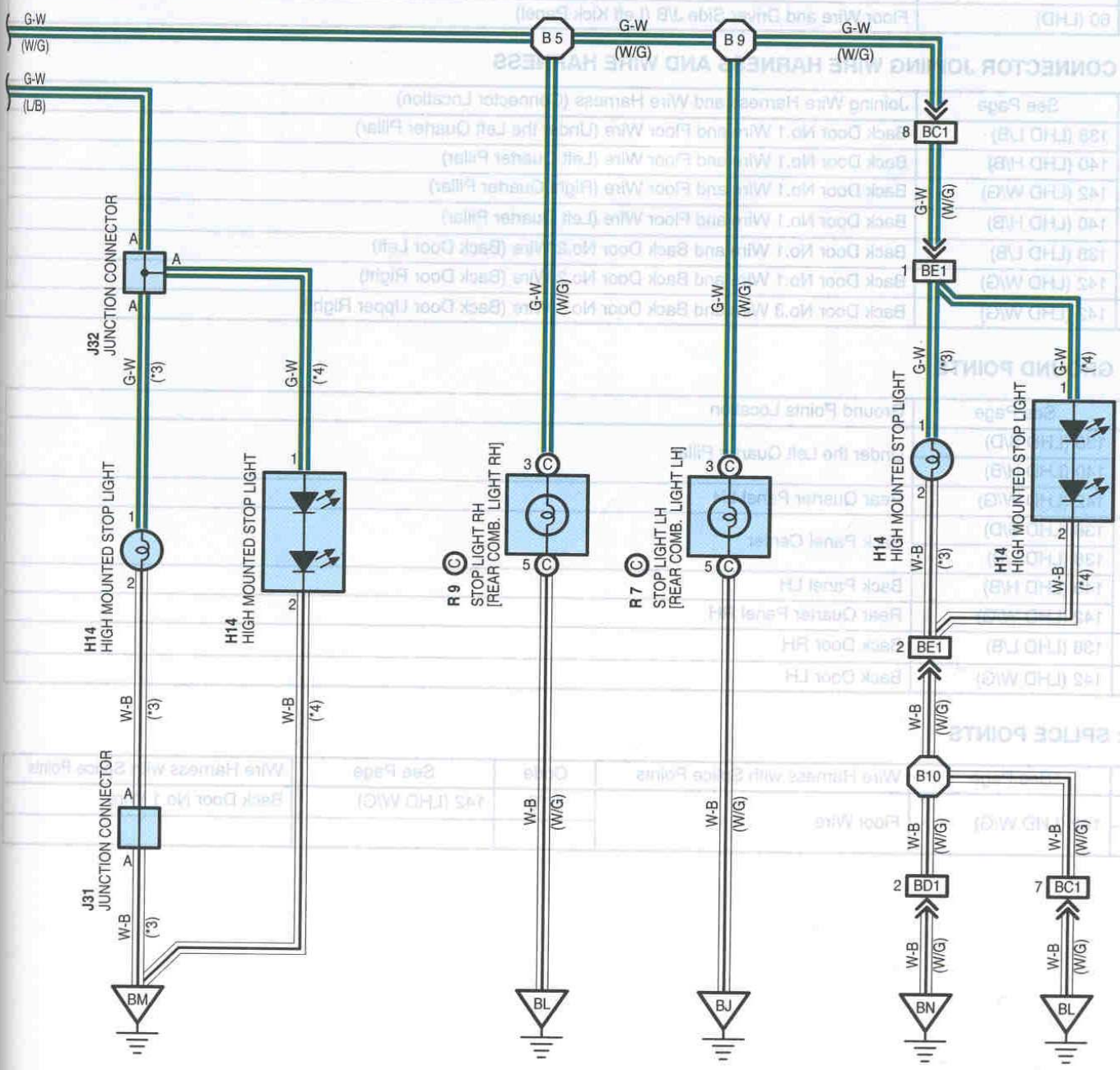
(w/o Rheostat) R 6

S 7 BLUE

STOP LIGHT(LHD)



* 1:EXCEPT W/G
* 2:L/B, H/B
* 3:W/O REAR SPOILER
* 4:W/ REAR SPOILER



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	A	88 (LHD S/D)
		90 (LHD L/B)	J31		90 (LHD L/B)		B	90 (LHD L/B)
		92 (LHD H/B)	J32		90 (LHD L/B)			92 (LHD H/B)
		94 (LHD W/G)	R 7	A	88 (LHD S/D)		C	94 (LHD W/G)
J27		88 (LHD S/D)		B	90 (LHD L/B)	S13		86 (LHD)
J28	A	88 (LHD S/D)			92 (LHD H/B)			
J30	B	90 (LHD L/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					

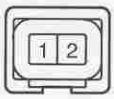
* 1:W/ REAR SPOILER
* 2:W/O REAR SPOILER

(S/D *1) H14 BLACK

(S/D *2) H14

(L/B *1) H14 BLACK

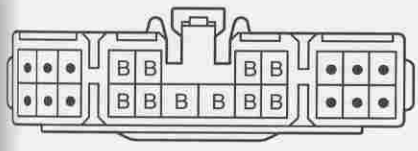
(L/B *2) H14 GRAY



(H/B) H14 GRAY

(W/G) H14 GRAY

J27

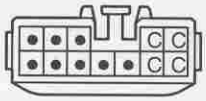


(Hint:See Page 7, 23, 39)

J28 (A)

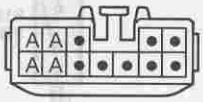
(Hint:See Page 7, 23, 39)

J30 (B) GRAY



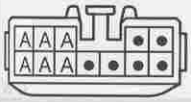
(Hint:See Page 7, 23, 39)

J30 (C) GRAY



(Hint:See Page 7, 23, 39)

J31

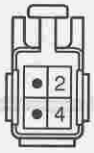


(Hint:See Page 7, 23, 39)

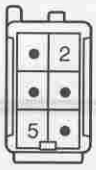
J32 BLACK

(Hint:See Page 7, 23, 39)

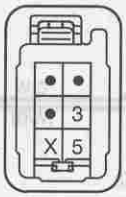
R 7 (A)



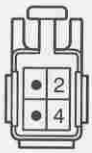
R 7 (B)



R 7 (C)

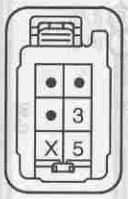


R 9 (A)

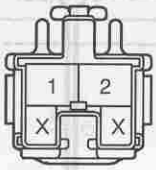


R 9 (B)

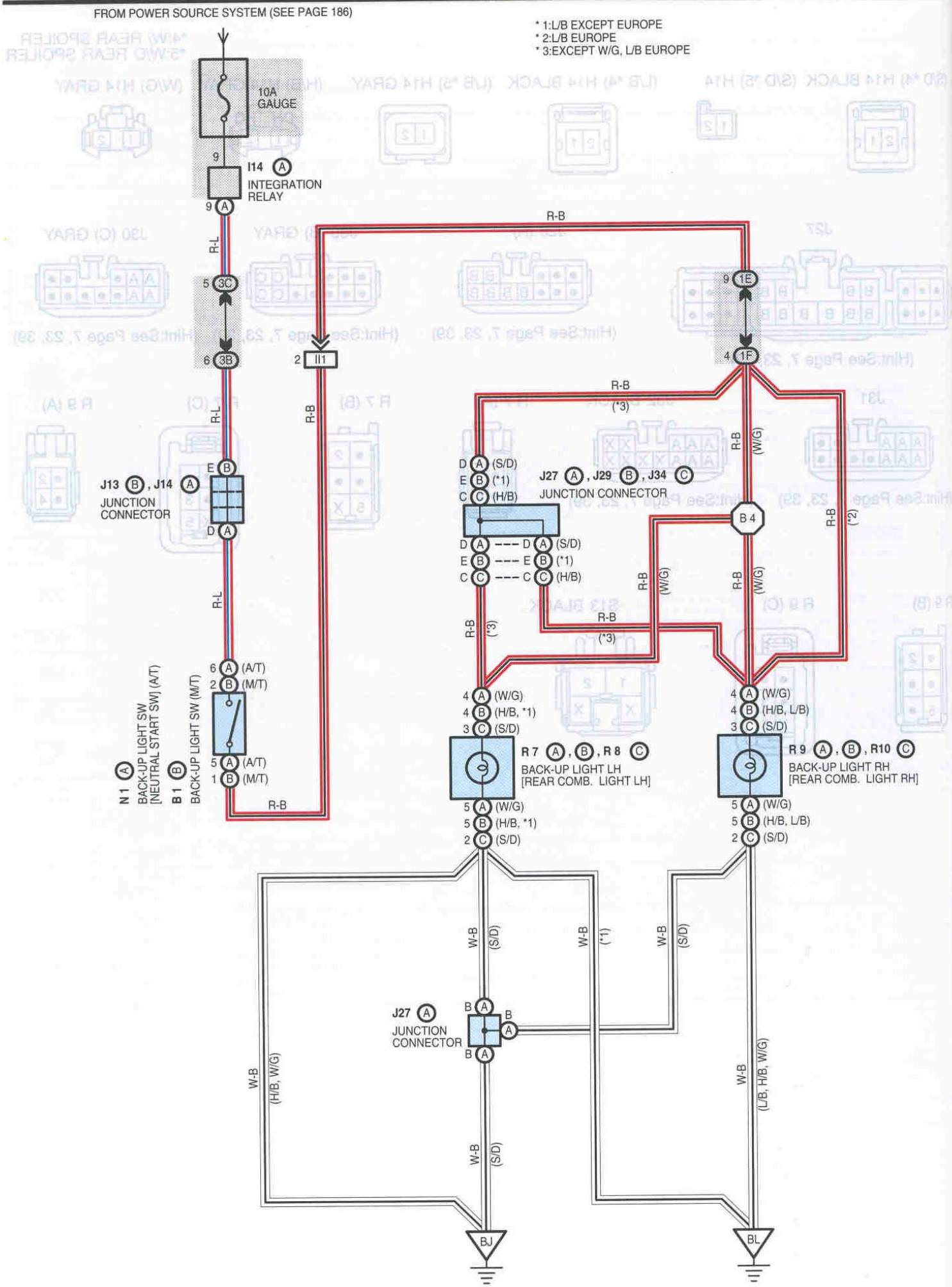
R 9 (C)



S13 BLACK



BACK-UP LIGHT(LHD)



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	A	94 (LHD W/G)
		72 (LHD 4A-FE)	J27	A	88 (LHD S/D)		B	90 (LHD L/B)
		74 (LHD 4E-FE)	J29	B	90 (LHD L/B)			92 (LHD H/B)
		76 (LHD 4A-F)	J34	C	92 (LHD H/B)	R 8	C	88 (LHD S/D)
		78 (LHD 2E)	N 1	A	70 (LHD 7A-FE)	R 9	A	94 (LHD W/G)
		80 (LHD 2C-E)			72 (LHD 4A-FE)		B	90 (LHD L/B)
		82 (LHD 2C)			74 (LHD 4E-FE)			92 (LHD H/B)
I14	A	84 (LHD)			76 (LHD 4A-F)	R10	C	88 (LHD S/D)
J13	B	86 (LHD)			78 (LHD 2E)			

: 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)
I1	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)	Rear Quarter Panel LH
BL	138 (LHD L/B)	Back Panel Center
	140 (LHD H/B)	Back Panel LH
	142 (LHD W/G)	Rear Quarter Panel RH

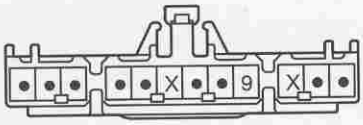
⬡ : SPLICE POINTS

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

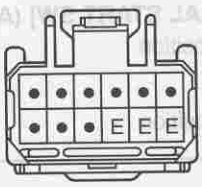
BACK-UP LIGHT(LHD)

B 1 (B) GRAY

I14 (A)

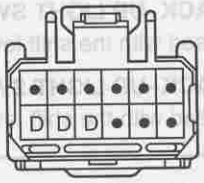


J13 (B) BLACK



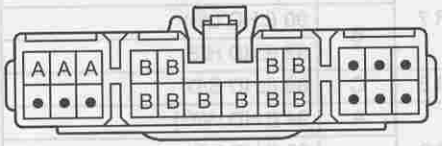
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



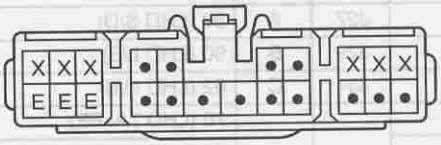
(Hint:See Page 7, 23, 39)

J27 (A)



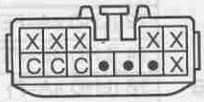
(Hint:See Page 7, 23, 39)

J29 (B) DARK GRAY



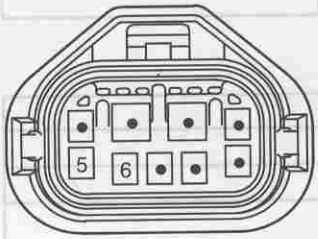
(Hint:See Page 7, 23, 39)

J34 (C) BLACK

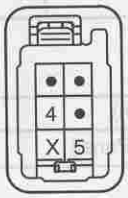


(Hint:See Page 7, 23, 39)

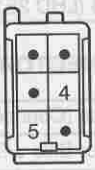
N 1 (A) GRAY



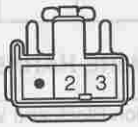
R 7 (A)



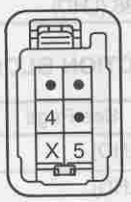
R 7 (B)



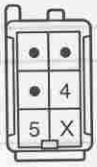
R 8 (C)



R 9 (A)

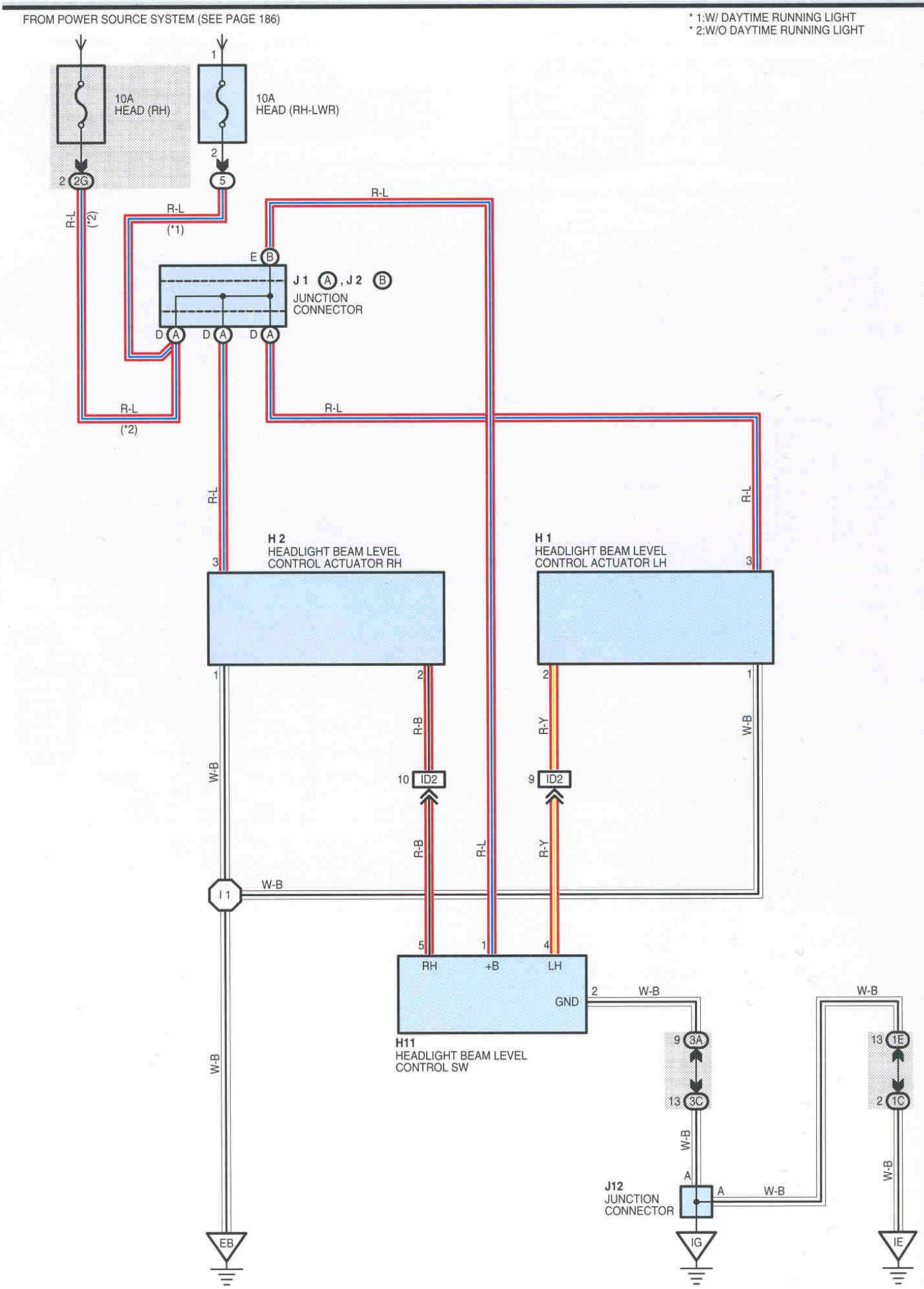


R 9 (B)



R10 (C)

HEADLIGHT BEAM LEVEL CONTROL(LHD)



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	86 (LHD)
	74 (LHD 4E-FE)		74 (LHD 4E-FE)	J 2	B	86 (LHD)
	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

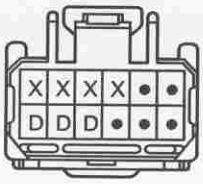
⬡ : SPLICE POINTS

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

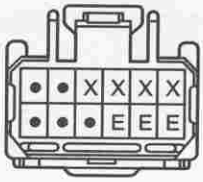
H11

J 1 (A) BLACK



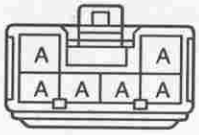
(Hint:See Page 7, 23, 39)

J 2 (B) BLACK



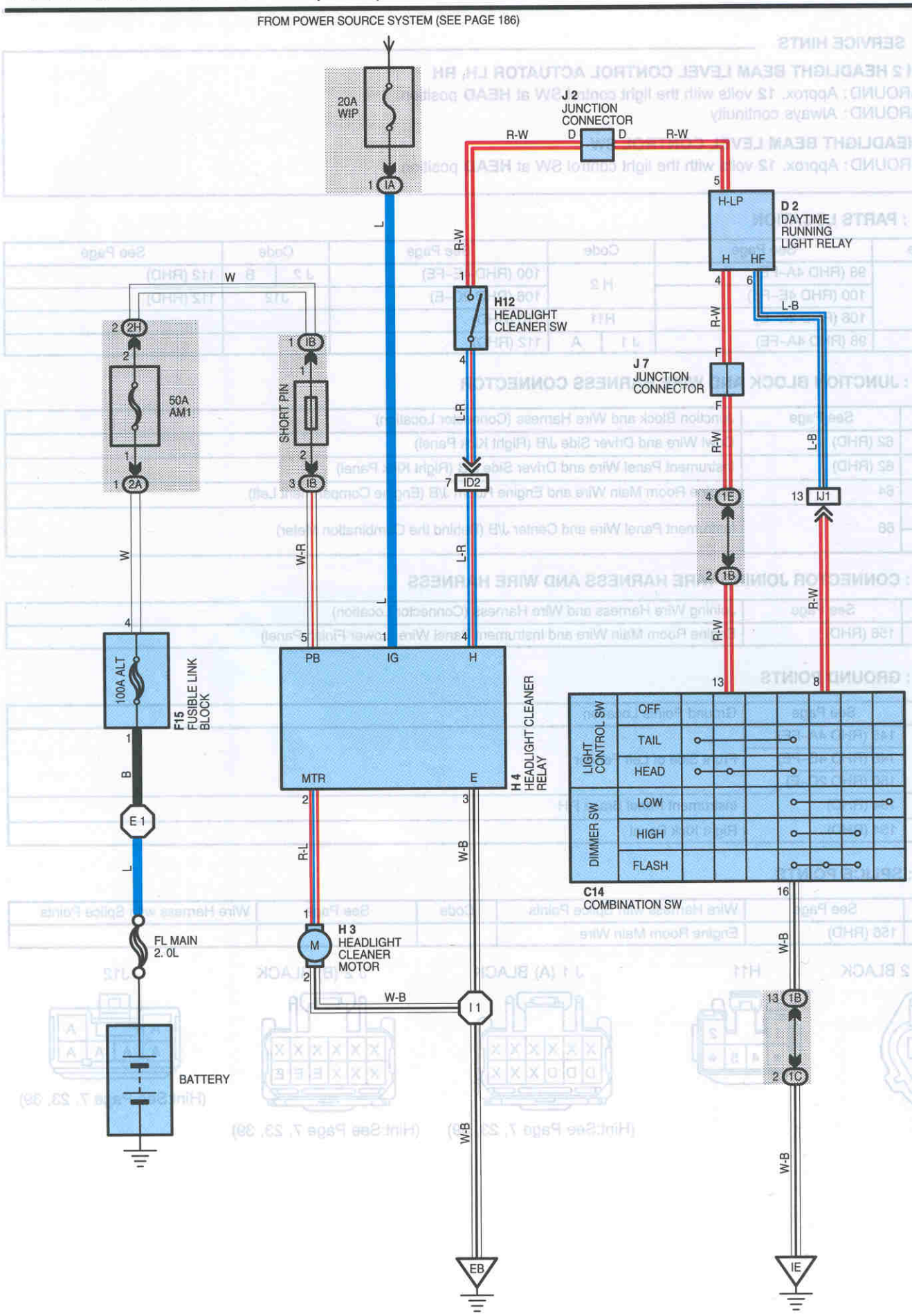
(Hint:See Page 7, 23, 39)

J12



(Hint:See Page 7, 23, 39)

HEADLIGHT CLEANER(LHD)



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)	H 4	70 (LHD 7A-FE)	J 7	86 (LHD)
	80 (LHD 2C-E)		72 (LHD 4A-FE)		

◎ : 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

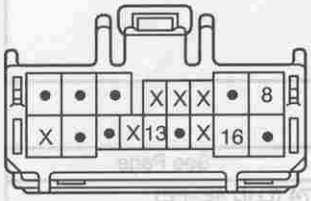
Code	See Page	Ground Points Location
EB	122 (LHD 7A-FE)	Front Side of Left Fender
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel

⬡ : SPLICE POINTS

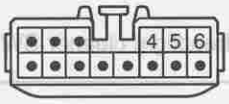
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	123 (LHD 4A-FE)		I 1	134 (LHD)	Engine Room Main Wire
	124 (LHD 4E-FE)				

HEADLIGHT CLEANER(LHD)

C14



D 2 BLUE



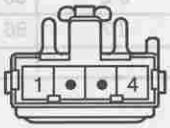
F15

(See Page 64)

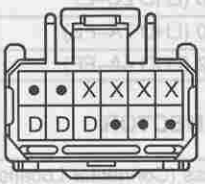
H 3 GRAY

H 4 BLACK

H12 BLACK

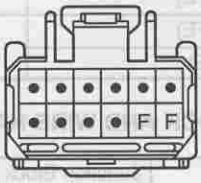


J 2 BLACK



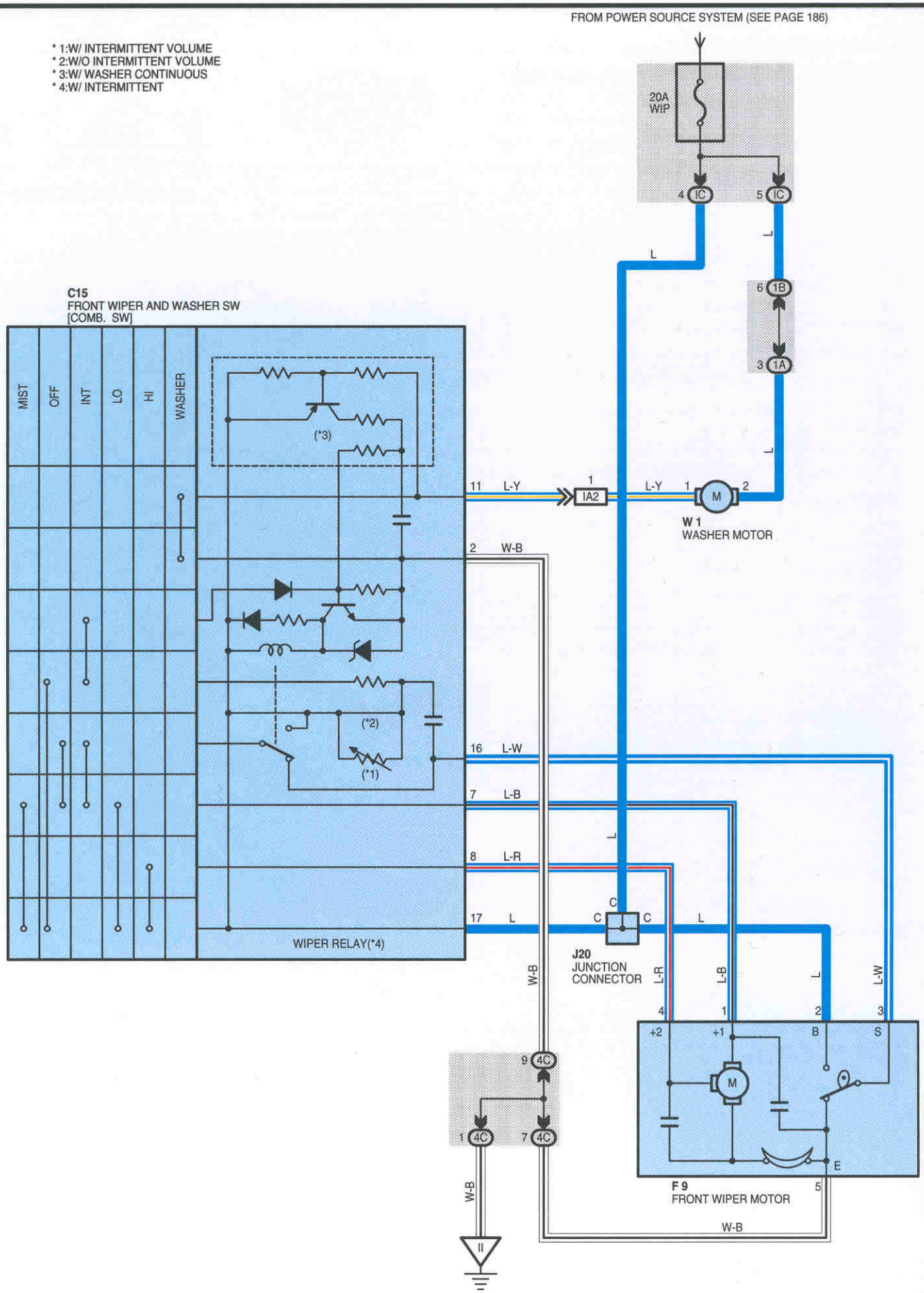
(Hint:See Page 7, 23, 39)

J 7



(Hint:See Page 7, 23, 39)

FRONT WIPER AND WASHER(LHD)



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	86 (LHD)		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)		

: 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)

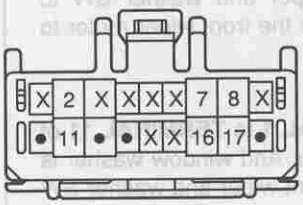
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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

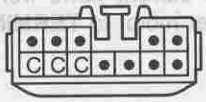
Code	See Page	Ground Points Location
II	132 (LHD)	Right Kick Panel

C15 BLACK



F 9 BLACK

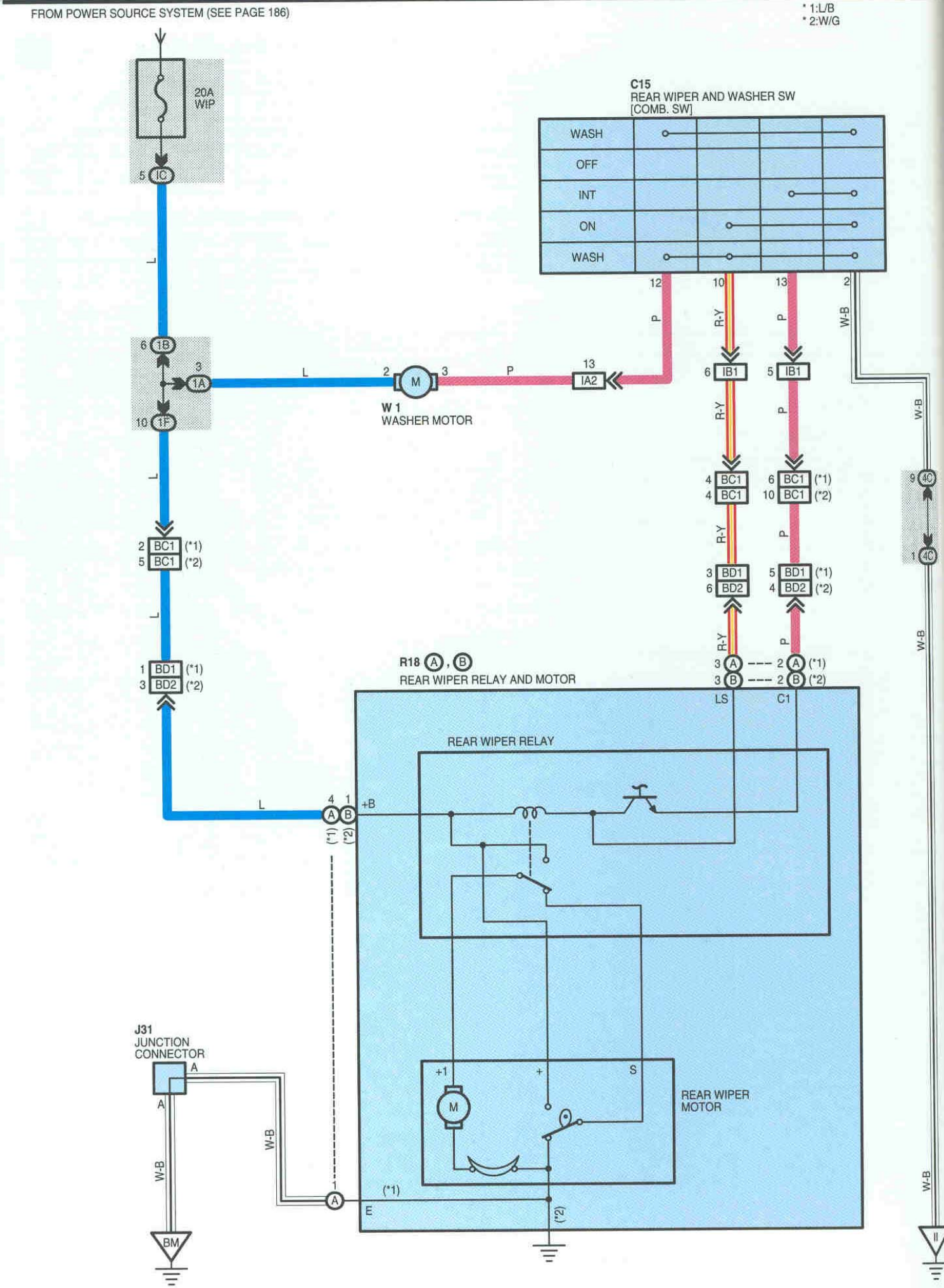
J20 BLACK



(Hint:See Page 7,23,39)

W 1 BLACK

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



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)

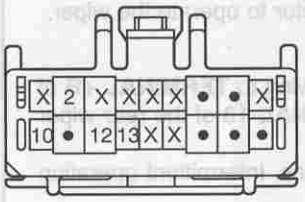
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)

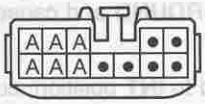
▽ : **GROUND POINTS**

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

C15 BLACK



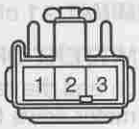
J31



(Hint:See Page 7,23,39)

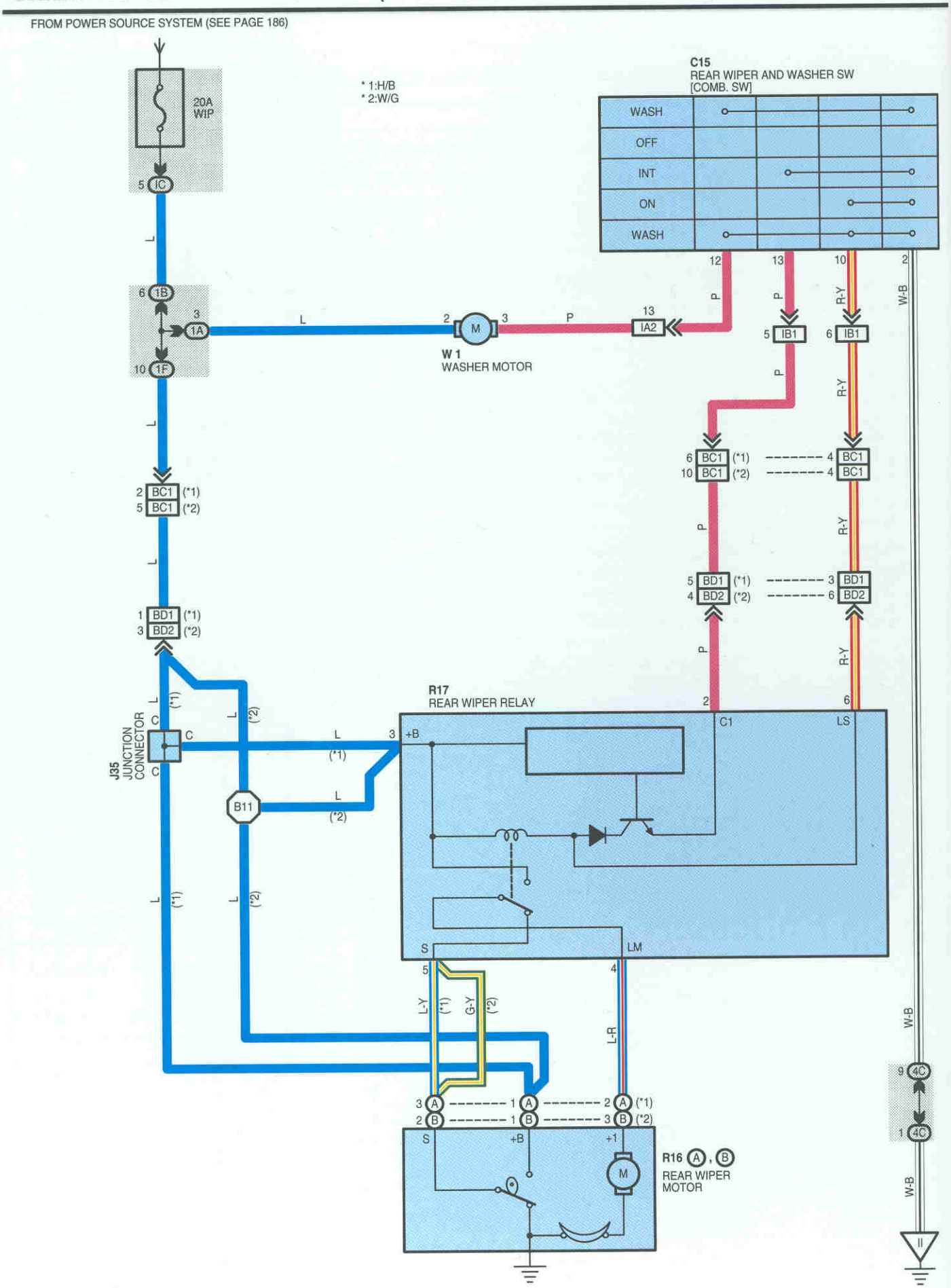
R18 (A) BLACK

R18 (B)



W 1 BLACK

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



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)

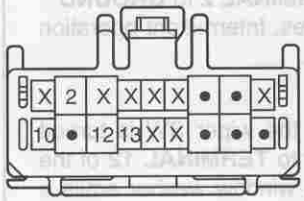
: GROUND POINTS

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

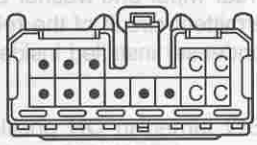
: SPLICE POINTS

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			

C15 BLACK

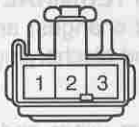


J35



(Hint:See Page 7,23,39)

R16 (A)

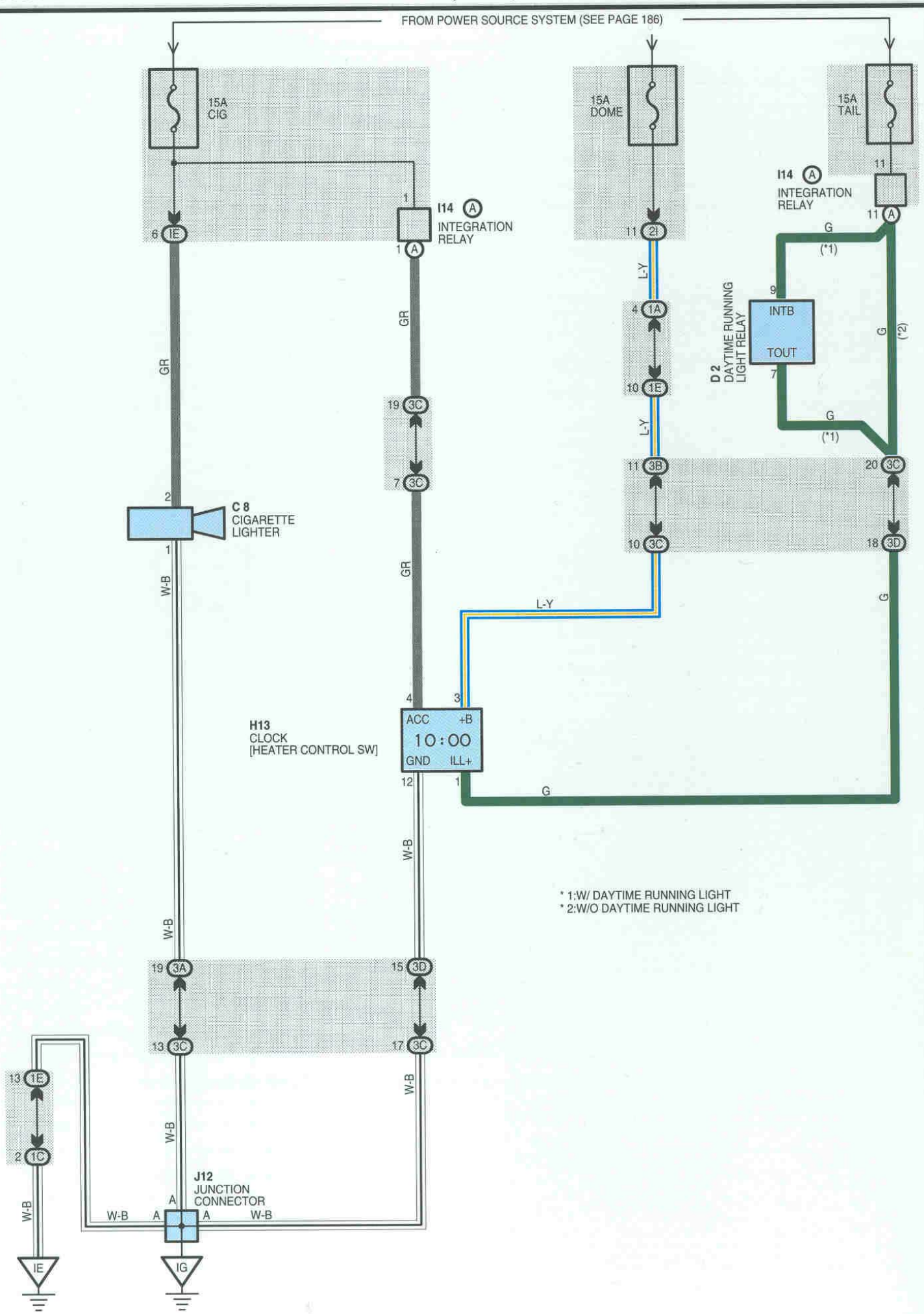


R16 (B)

R17

W 1 BLACK

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

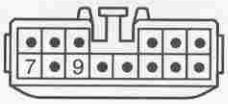
Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1A	60 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
1C	60 (LHD)	Cowl Wire and Driver Side J/B (Left Kick Panel)
1E	60 (LHD)	Instrument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

▽ : GROUND POINTS

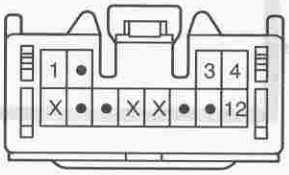
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

C 8

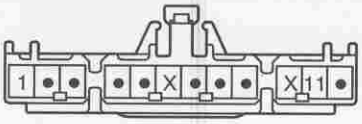
D 2 BLUE



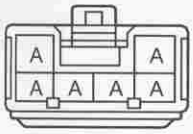
H13



I14 (A)



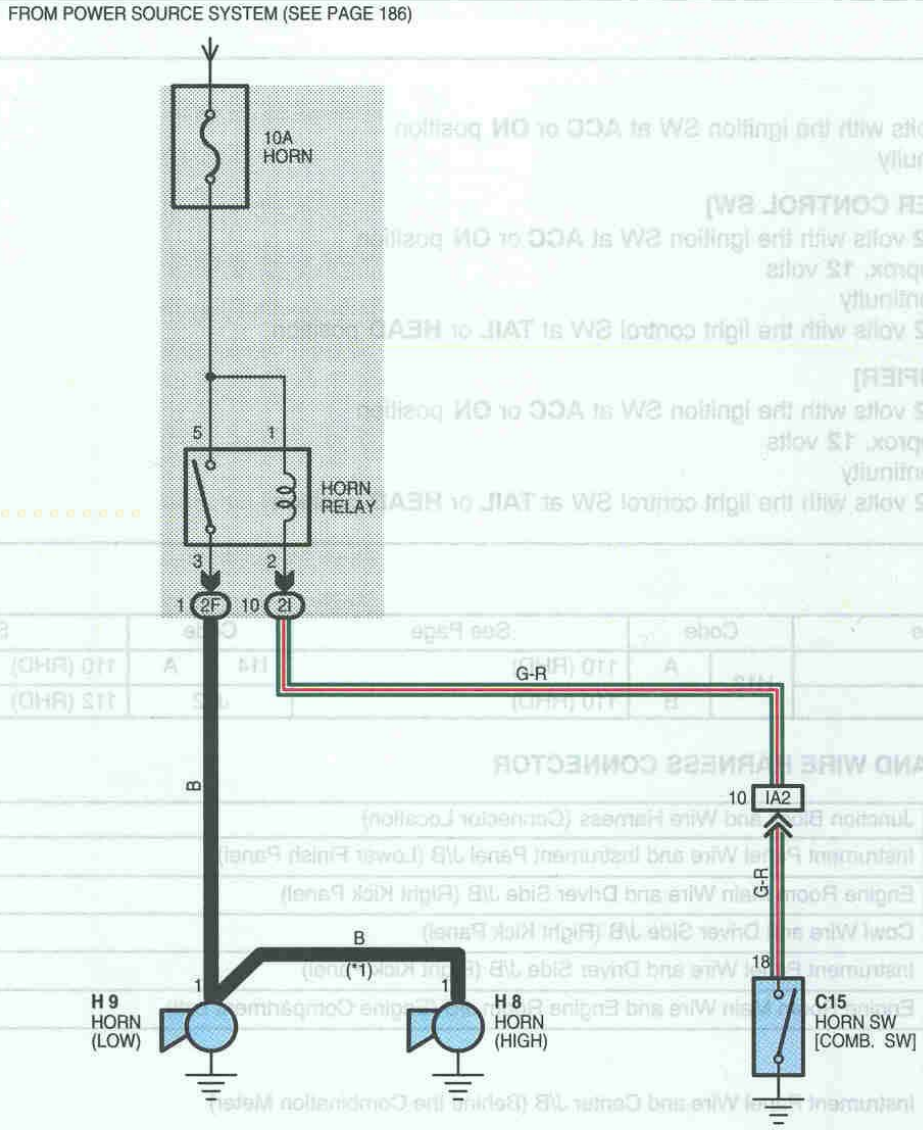
J12



(Hint:See Page 7, 23, 39)

HORN(LHD)

* 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)	H 9	78 (LHD 2E)
H 8	70 (LHD 7A-FE)	H 9	70 (LHD 7A-FE)		80 (LHD 2C-E)
	72 (LHD 4A-FE)		72 (LHD 4A-FE)		82 (LHD 2C)
	76 (LHD 4A-F)		74 (LHD 4E-FE)		
	78 (LHD 2E)		76 (LHD 4A-F)		

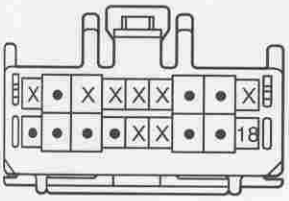
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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

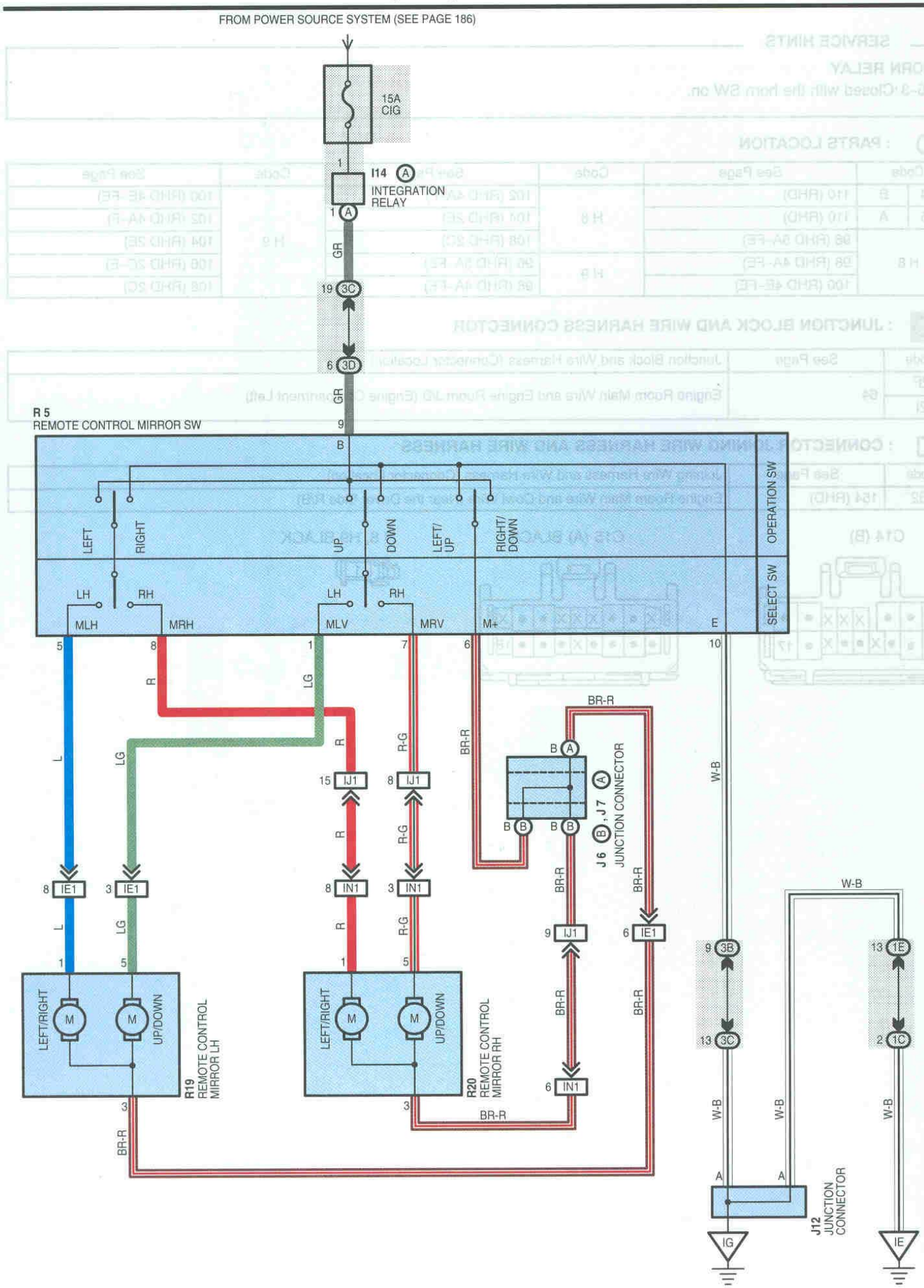
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (LHD)	Engine Room Main Wire and Cowl Wire (Near the Driver Side R/B)

C15 BLACK



H 8, H9 BLACK

REMOTE CONTROL MIRROR(LHD)



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** votls 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		

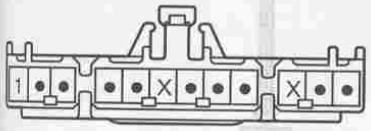
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)

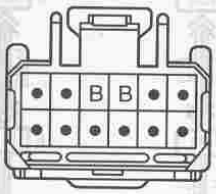
▽ : GROUND POINTS

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

I14 (A)

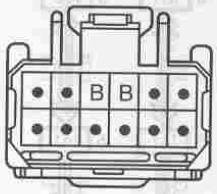


J 6 (B)



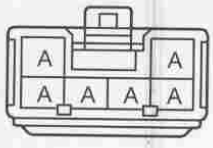
(Hint:See Page 7, 23, 39)

J 7 (A)



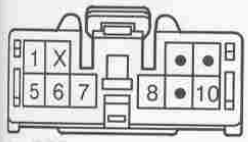
(Hint:See Page 7, 23, 39)

J12

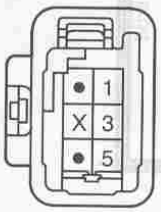


(Hint:See Page 7, 23, 39)

R 5

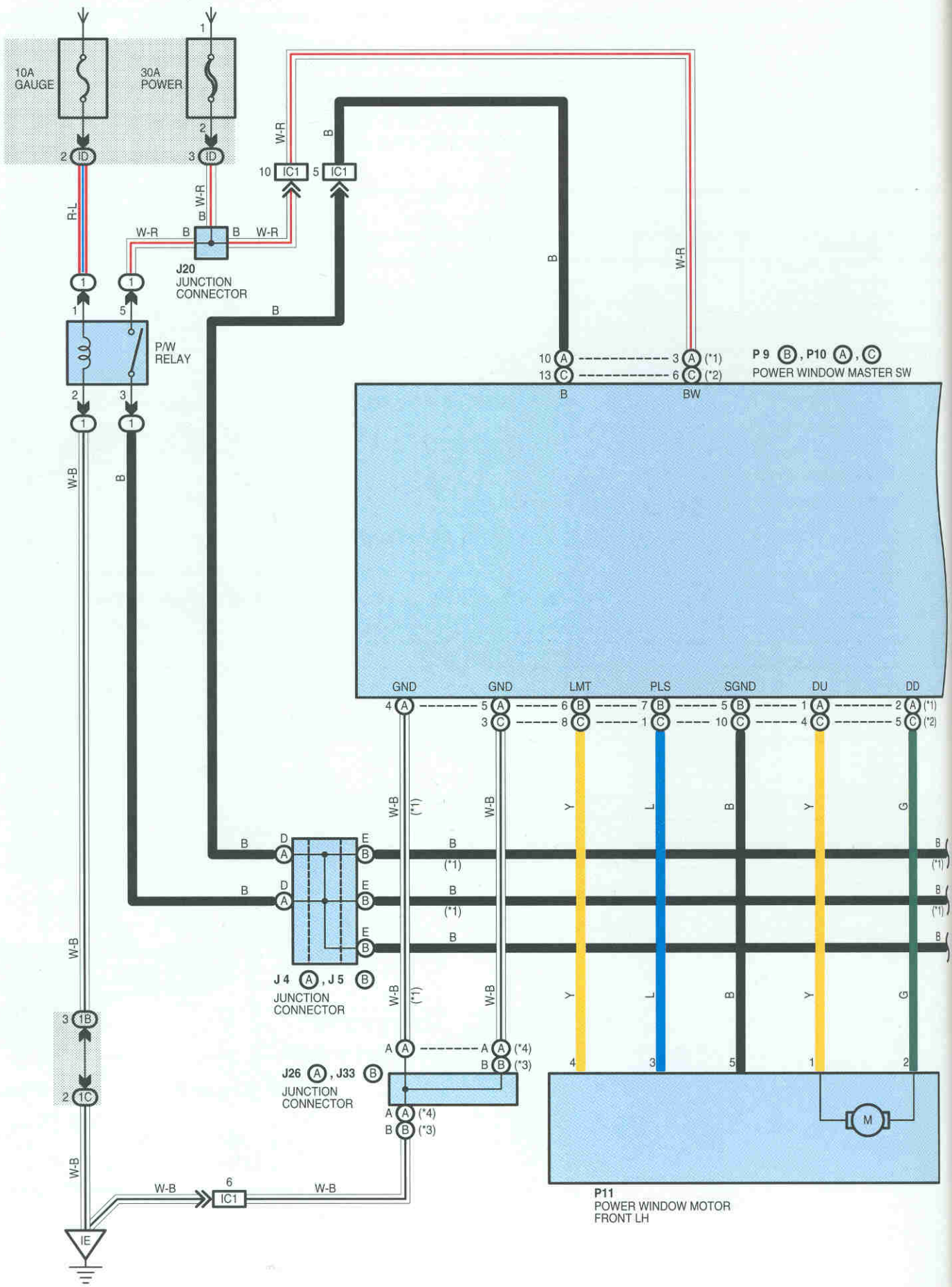


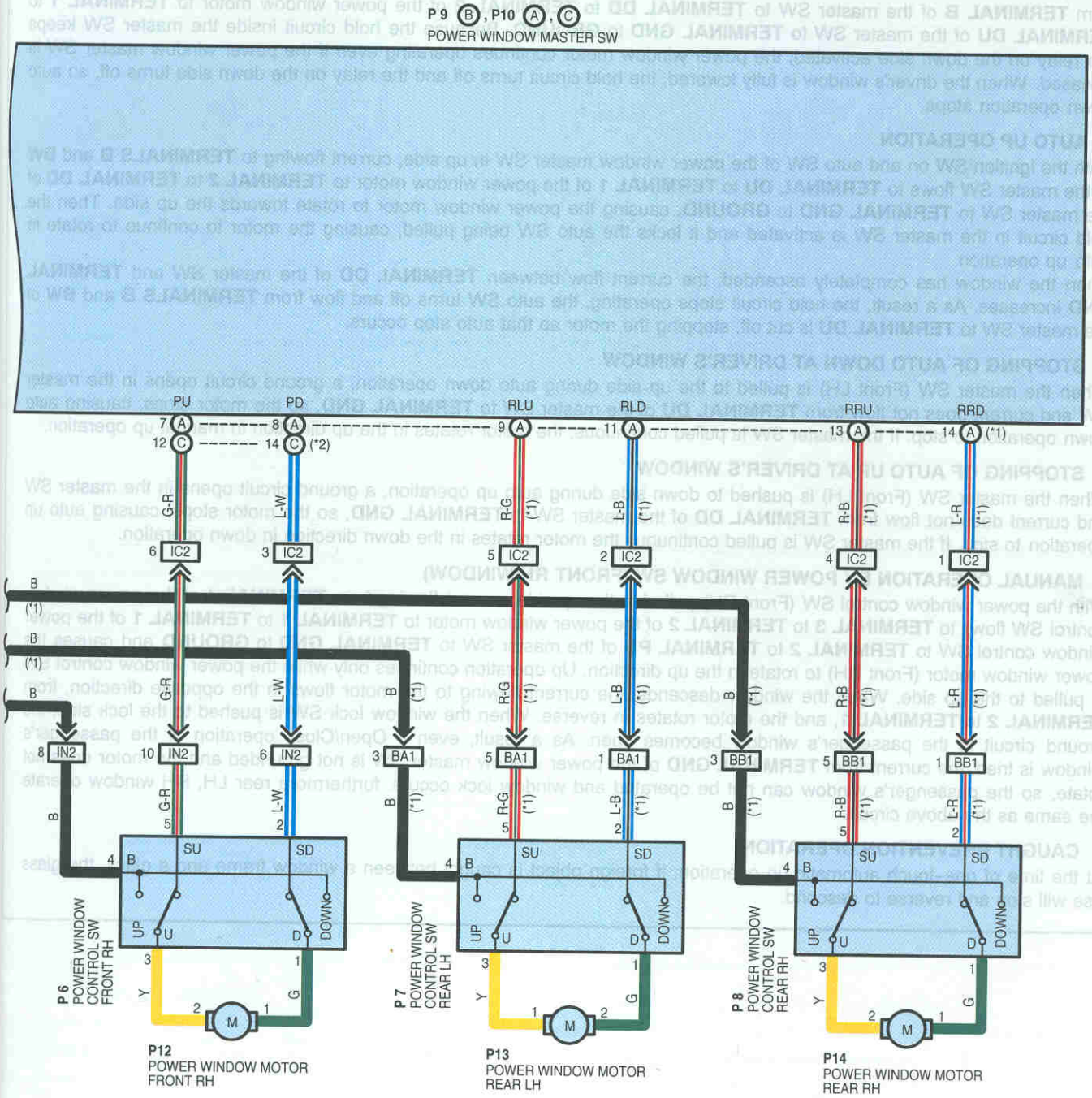
R19, R20



POWER WINDOW(LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 186)




P 9 B, P10 A, C
POWER WINDOW MASTER SW
PU
PD
RLU
RLD
RRU
RRD
IC2
IN2
BA1
BB1
SU
SD
UP
DOWN
P6
POWER WINDOW CONTROL SW FRONT RH
P7
POWER WINDOW CONTROL SW REAR LH
P8
POWER WINDOW CONTROL SW REAR RH
P12
POWER WINDOW MOTOR FRONT RH
P13
POWER WINDOW MOTOR REAR LH
P14
POWER WINDOW MOTOR REAR RH

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)	P11	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)	P12	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)	P10	A	88 (LHD S/D)		94 (LHD W/G)
P 6		88 (LHD S/D)			90 (LHD L/B)	P13	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)
		94 (LHD W/G)			90 (LHD L/B)	P14	88 (LHD S/D)
P 7		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)	P11		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

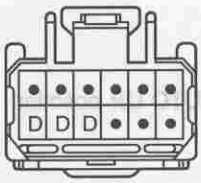
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (LHD)	Front Door LH Wire and Cowl Wire (Near the Driver Side J/B)
IC2		
IN2	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	136 (LHD S/D)	Rear Door LH Wire and Cowl Wire (Under the Left Center Pillar)
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

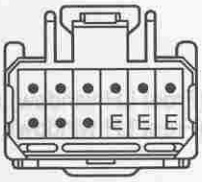
POWER WINDOW(LHD)

J 4 (A) BLACK



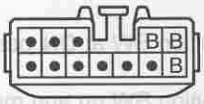
(Hint:See Page 7,23,39)

J 5 (B) BLACK



(Hint:See Page 7,23,39)

J20 BLACK



(Hint:See Page 7,23,39)

J26 (A)

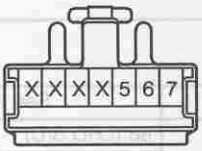
(Hint:See Page 7,23,39)

J33 (B)

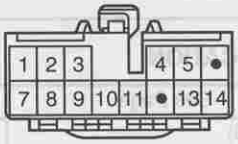
(Hint:See Page 7,23,39)

P 6, P 7, P 8

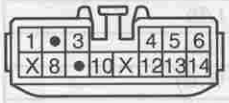
P 9 (B)



P10 (A)



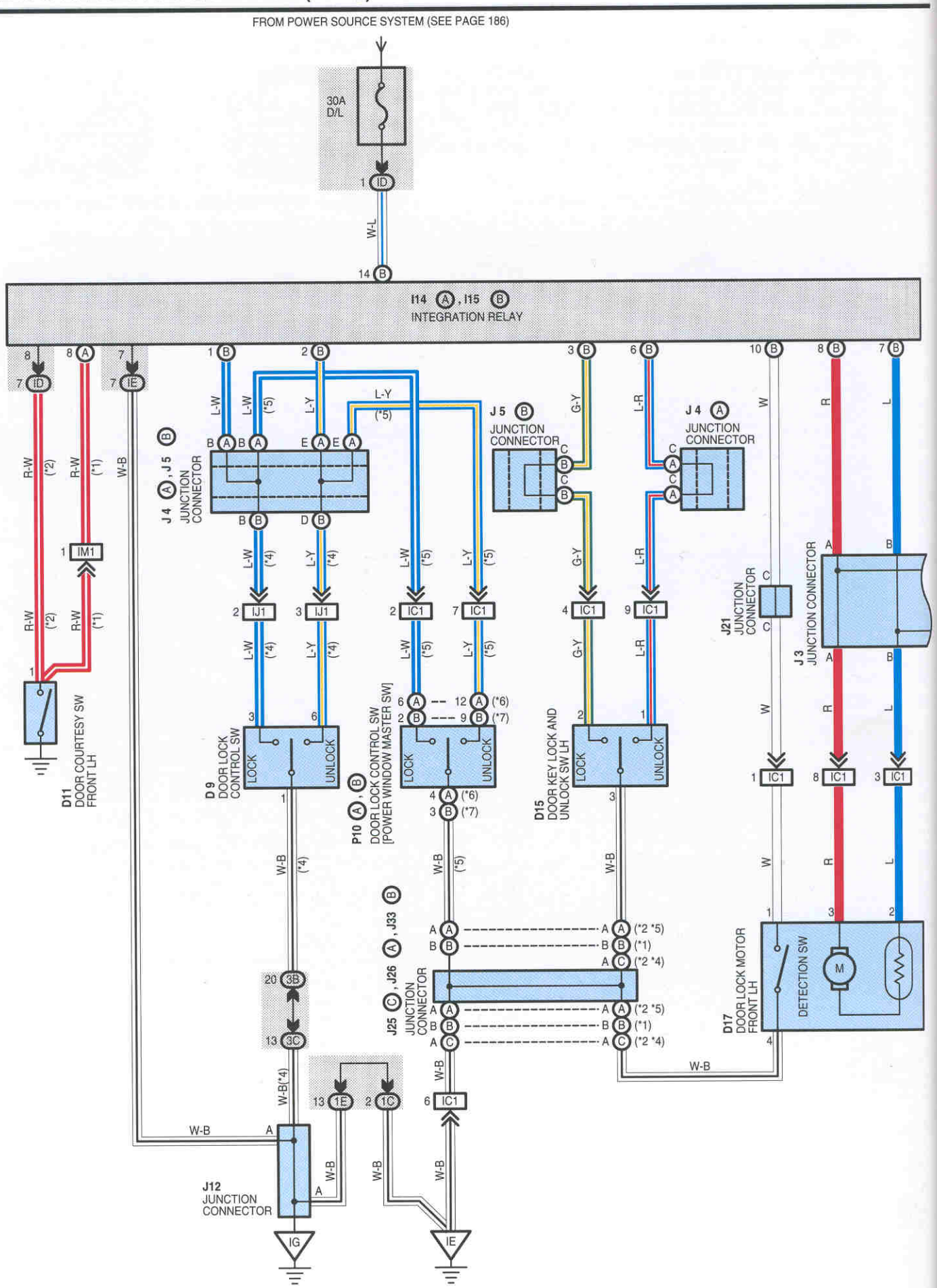
P10 (C)



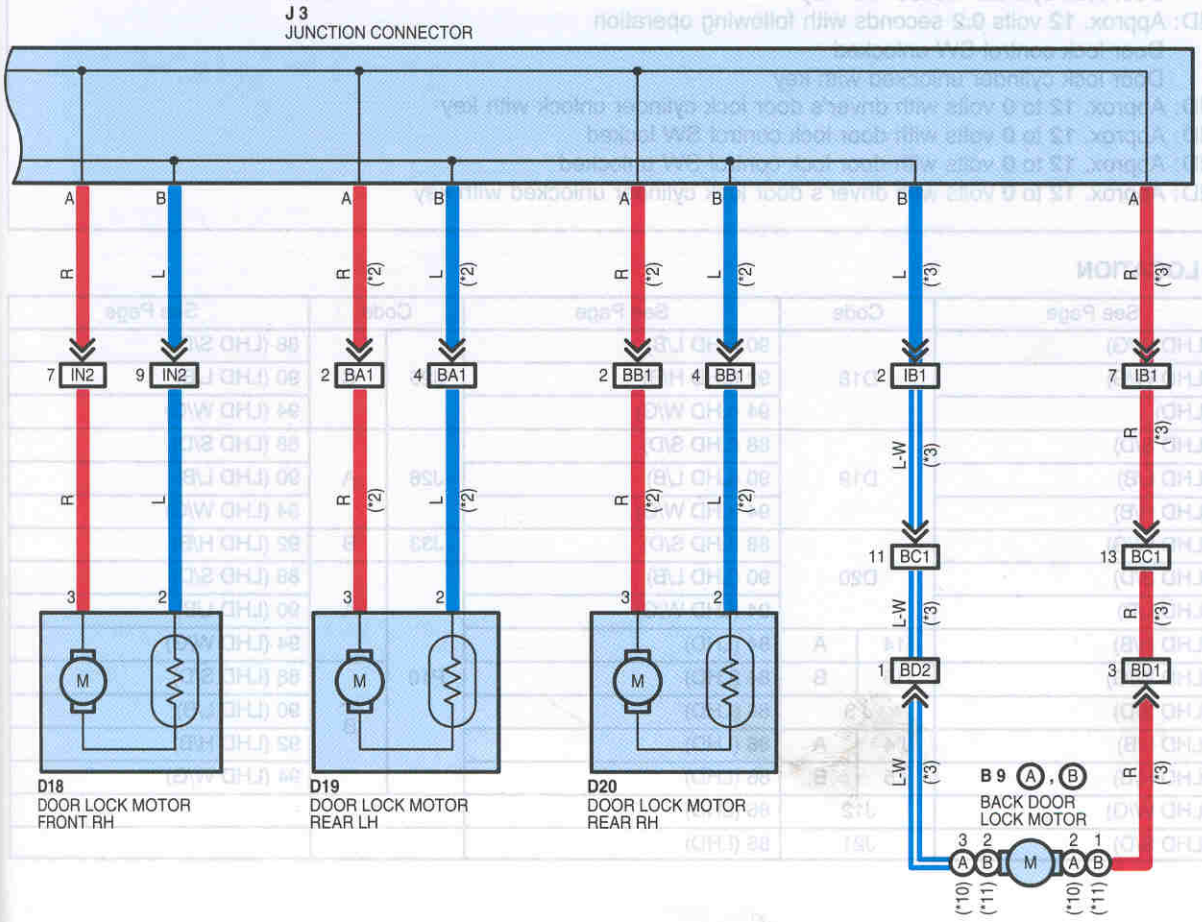
P11

P12, P13, P14

DOOR LOCK CONTROL(LHD)



* 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



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	C	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	A	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	B	92 (LHD H/B)
D15		88 (LHD S/D)			90 (LHD L/B)	P10	A	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)		B	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

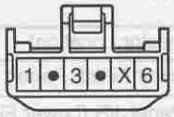
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

DOOR LOCK CONTROL(LHD)

B 9 (A) BLACK

B 9 (B)

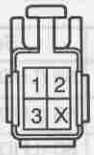
D 9 BLACK



D11 (Except H/B)

D15 GRAY

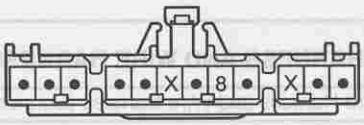
(H/B) D15



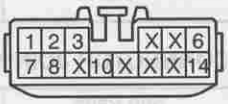
D17 BLACK

D18, D19, D20 BLACK

I14 (A)



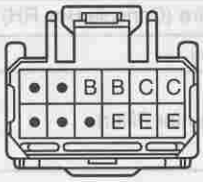
I15 (B) ORANGE



J 3

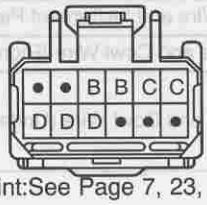
(Hint:See Page 7, 23, 39)

J 4 (A) BLACK



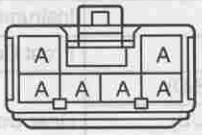
(Hint:See Page 7, 23, 39)

J 5 (B) BLACK



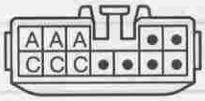
(Hint:See Page 7, 23, 39)

J12



(Hint:See Page 7, 23, 39)

J21 BLACK



(Hint:See Page 7, 23, 39)

J25 (C) BLACK

(Hint:See Page 7, 23, 39)

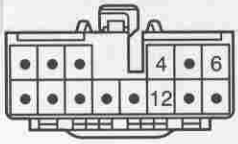
J26 (A)

(Hint:See Page 7, 23, 39)

J33 (B)

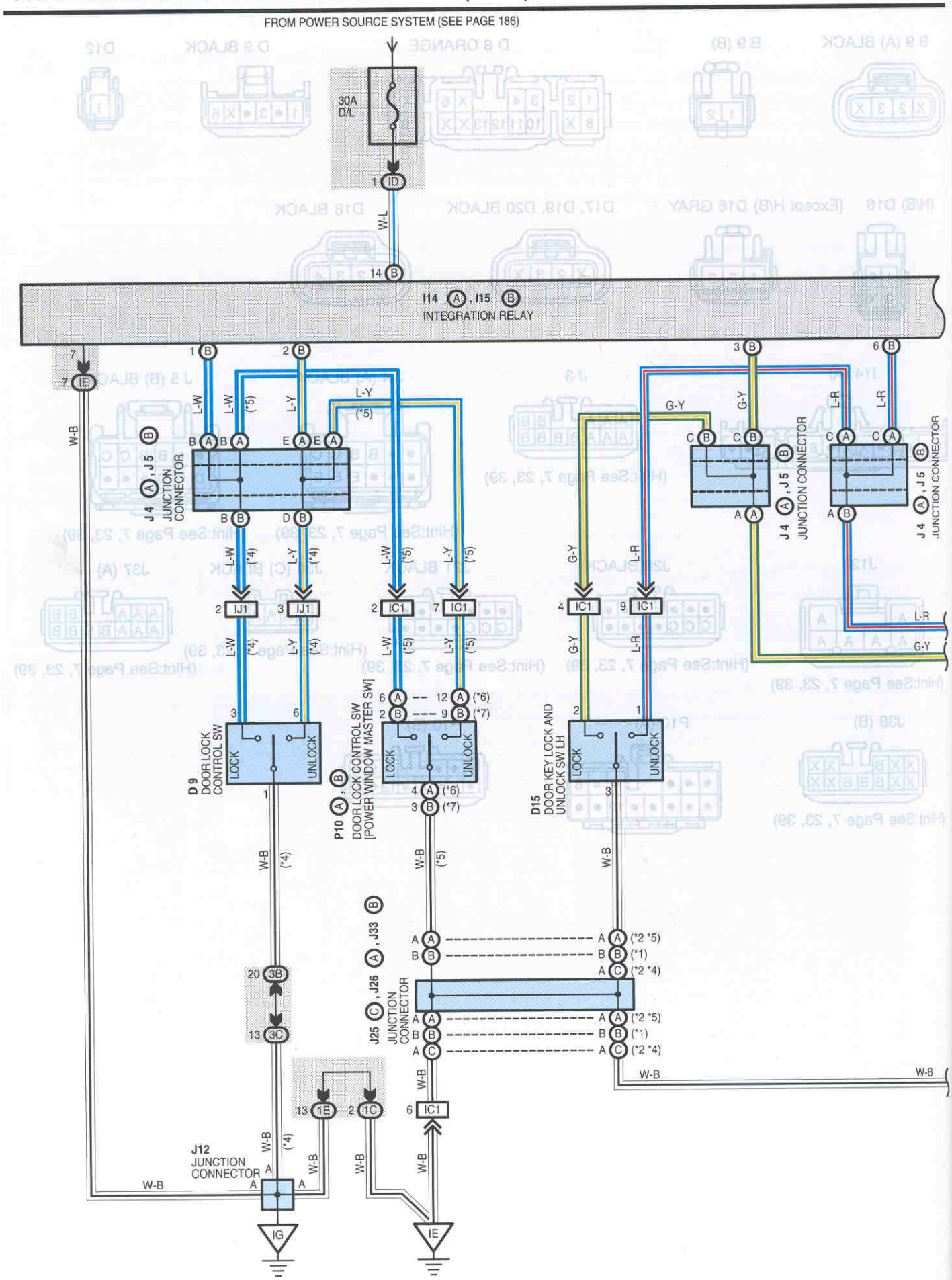
(Hint:See Page 7, 23, 39)

P10 (A)

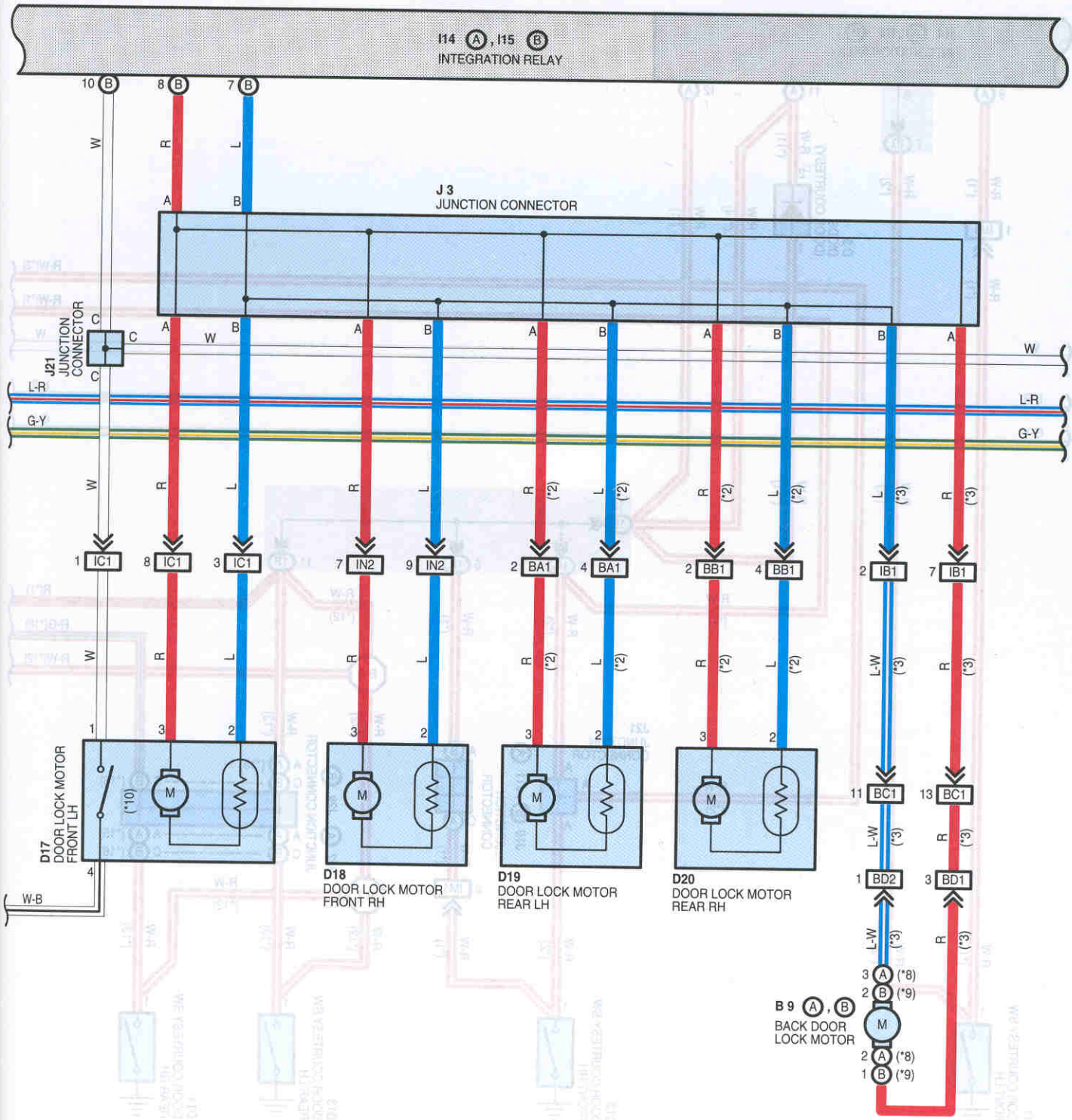


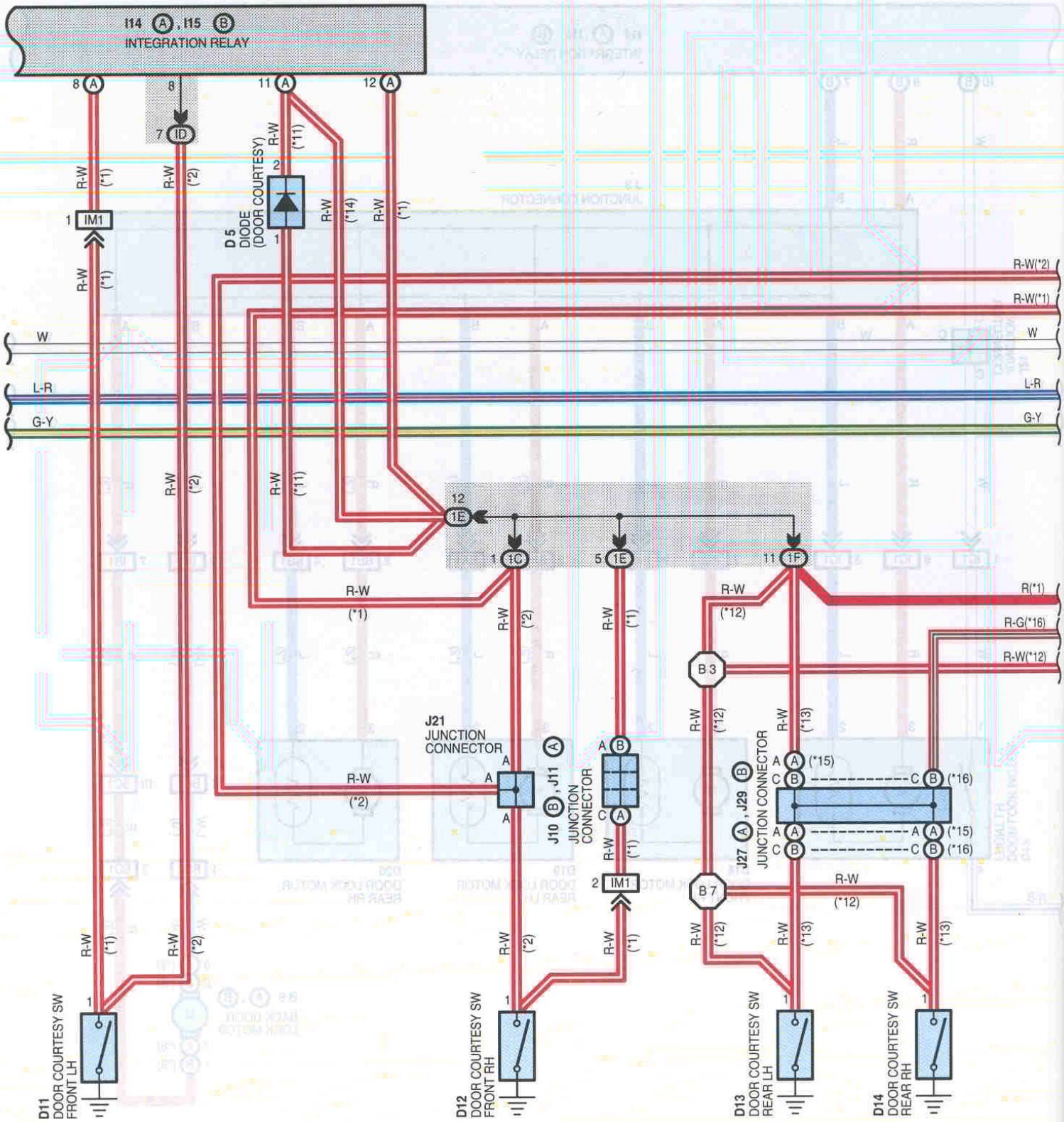
P10 (B)

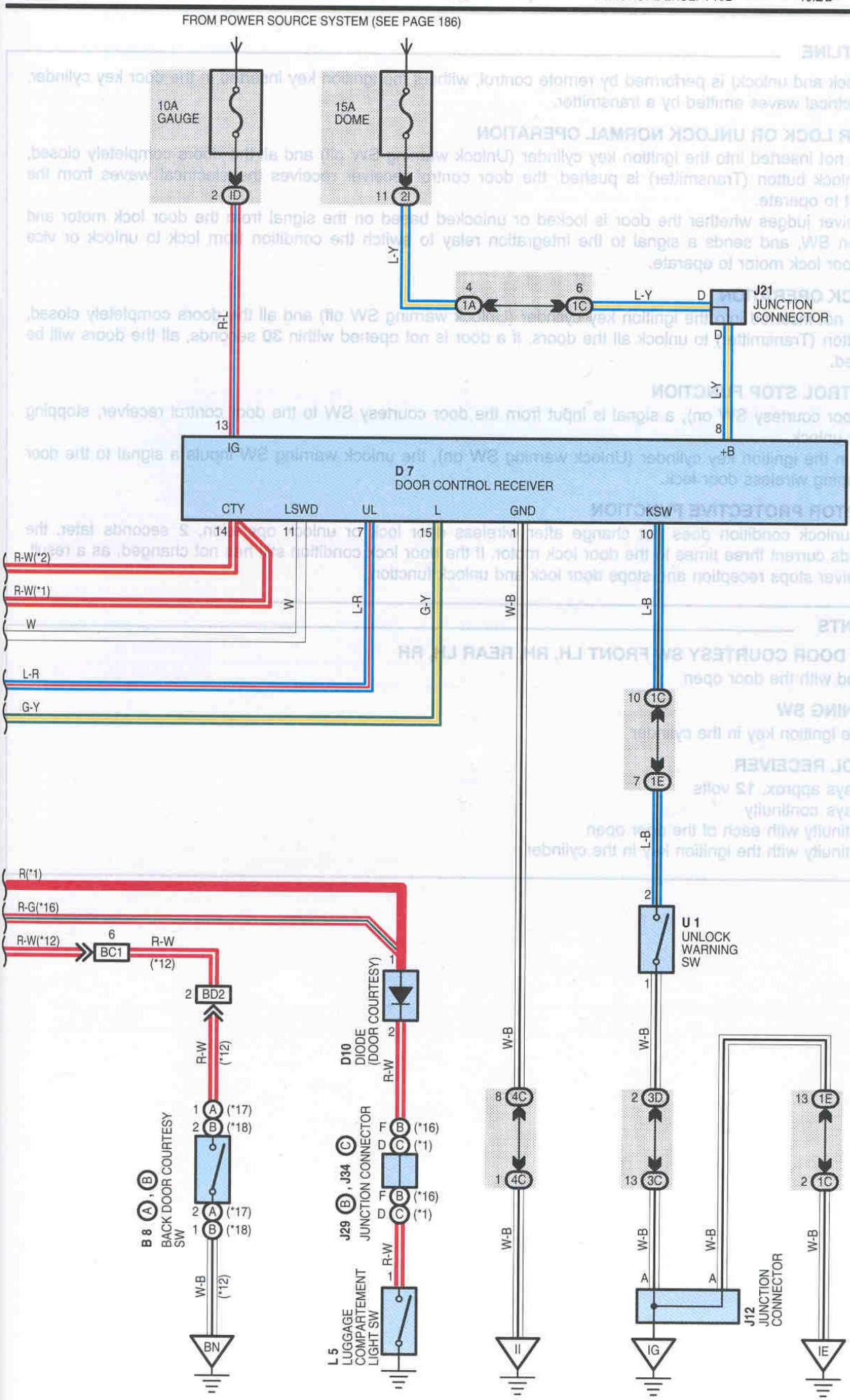
WIRELESS DOOR LOCK CONTROL(LHD)



* 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
* 8:W/ HEATER
* 9:W/O HEATER
*10:DETECTION SW




I14 A , I15 B
INTEGRATION RELAY
8 A
8
7 ID
11 A
12 A
R-W
(*1)
(*2)
(*11)
(*14)
1 IM1
D 5
DIODE
(DOOR COURTESY)
2
1
R-W(*2)
R-W(*1)
W
L-R
G-Y
12
1E
1 1C
5 1E
11 1F
R(*1)
R-G(*16)
R-W(*12)
B 3
B 7
J21
JUNCTION
CONNECTOR
J10 B , J11 A
JUNCTION
CONNECTOR
J27 A , J29 B
JUNCTION CONNECTOR
(*12)
(*13)
(*15)
(*16)
2 IM1
D11
DOOR COURTESY SW
FRONT LH
D12
DOOR COURTESY SW
FRONT RH
D13
DOOR COURTESY SW
REAR LH
D14
DOOR COURTESY SW
REAR RH


* 1:H/B
* 2:EXCEPT H/B
*11:EXCEPT EUROPE
*12:W/G
*13:S/D, L/B
*14:EUROPE EXCEPT H/B
*15:S/D
*16:L/B
*17:W/G W/ HEATER
*18:W/G W/O HEATER
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A GAUGE
15A DOME
J21 JUNCTION CONNECTOR
D 7 DOOR CONTROL RECEIVER
IG
+B
CTY
LSWD
UL
L
GND
KSW
R-W(*2)
R-W(*1)
W
L-R
G-Y
W-B
L-B
L-Y
R-L
R(*1)
R-G(*16)
R-W(*12)
BC1
R-W (*12)
BD2
D10 DIODE (DOOR COURTESY)
U 1 UNLOCK WARNING SW
B 8 BACK DOOR COURTESY SW
J29 , J34 JUNCTION CONNECTOR
L 5 LUGGAGE COMPARTEMENT LIGHT SW
J12 JUNCTION CONNECTOR
BN
II
IG
IE

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
B 8	A	94 (LHD W/G)
	B	94 (LHD W/G)
B 9	A	94 (LHD W/G)
	B	94 (LHD W/G)
D 5		84 (LHD)
D 7		84 (LHD)
D 9		84 (LHD)
D10		90 (LHD L/B)
		92 (LHD H/B)
D11		88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
D12		88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
D13		88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
D14		88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
D15		88 (LHD S/D)

Code		See Page
D15		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
D17		88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
D18		88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
D19		88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
D20		88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
I14	A	84 (LHD)
I15	B	84 (LHD)
J 3		86 (LHD)
J 4	A	86 (LHD)
J 5	B	86 (LHD)
J10	B	86 (LHD)
J11	A	86 (LHD)

Code		See Page
J12		86 (LHD)
J21		86 (LHD)
J25	C	88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
J26	A	88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
J27	A	88 (LHD S/D)
J29	B	90 (LHD L/B)
J33	B	92 (LHD H/B)
J34	C	92 (LHD H/B)
L 5		90 (LHD L/B)
		92 (LHD H/B)
P10	A	88 (LHD S/D)
		90 (LHD L/B)
		94 (LHD W/G)
	B	88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
U 1		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

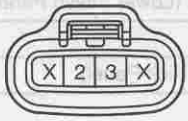
: SPLICE POINTS

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)

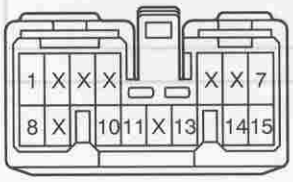
B 9 (A) BLACK



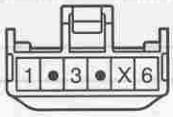
B 9 (B)

D 5 BLACK

D 7



D 9 BLACK

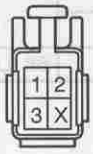


D10 BLACK

D11, D12

D13, D14

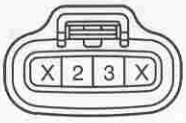
(H/B) D15



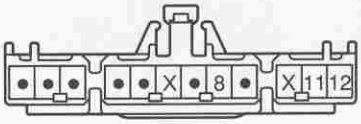
(Except H/B) D15 GRAY

D17 BLACK

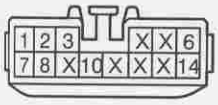
D18, D19, D20 BLACK



I14 (A)



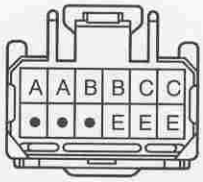
I15 (B) ORANGE



J 3

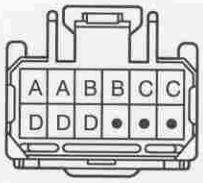
(Hint:See Page 7,23,39)

J 4 (A) BLACK



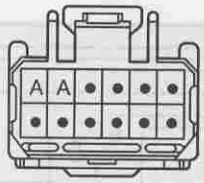
(Hint:See Page 7,23,39)

J 5 (B) BLACK



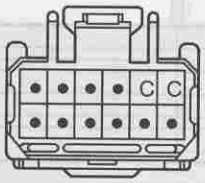
(Hint:See Page 7,23,39)

J10 (B)



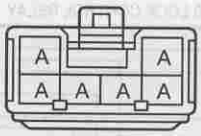
(Hint:See Page 7,23,39)

J11 (A)



(Hint:See Page 7,23,39)

J12



(Hint:See Page 7,23,39)

J21 BLACK

(Hint:See Page 7,23,39)

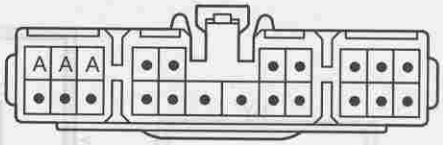
J25 (C) BLACK

(Hint:See Page 7,23,39)

J26 (A)

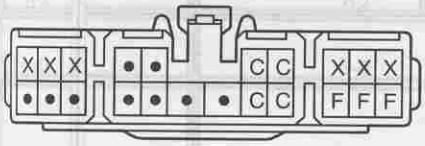
(Hint:See Page 7,23,39)

J27 (A)



(Hint:See Page 7,23,39)

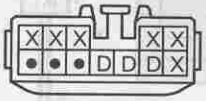
J29 (B) DARK GRAY



J33 (B)

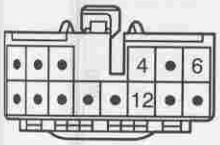
(Hint:See Page 7,23,39)

J34 (C) BLACK

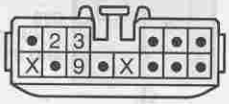


L 5 GRAY

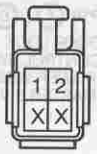
P10 (A)



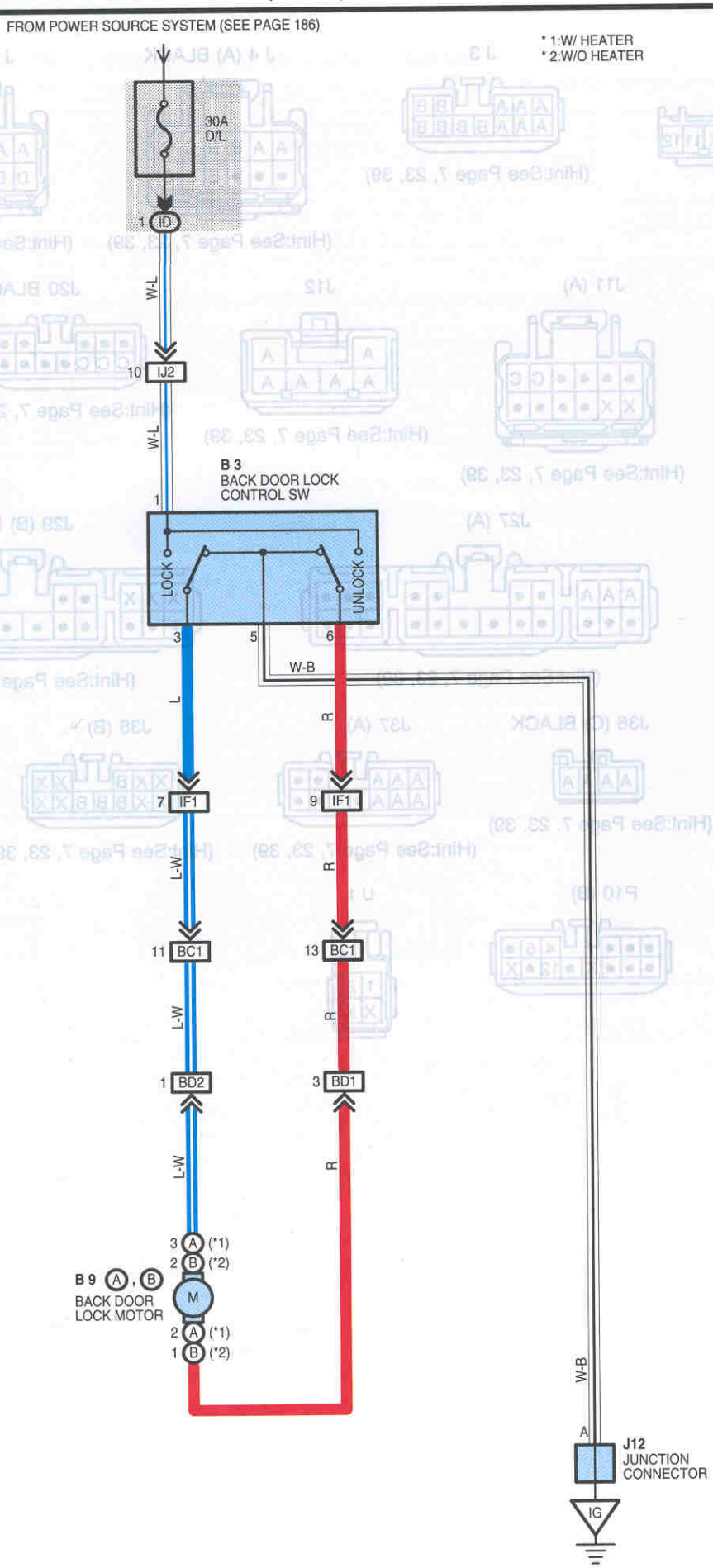
P10 (B)



U 1



BACK DOOR LOCK CONTROL(LHD)



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

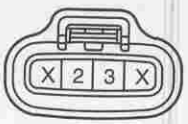
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF1	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IJ2	134 (LHD)	Instrument Panel Wire and Cowl Wire (Instrument Panel Brace RH)
BC1	142 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Right Quarter Pillar)
BD1	142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

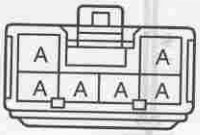
B 3

B 9 (A) BLACK



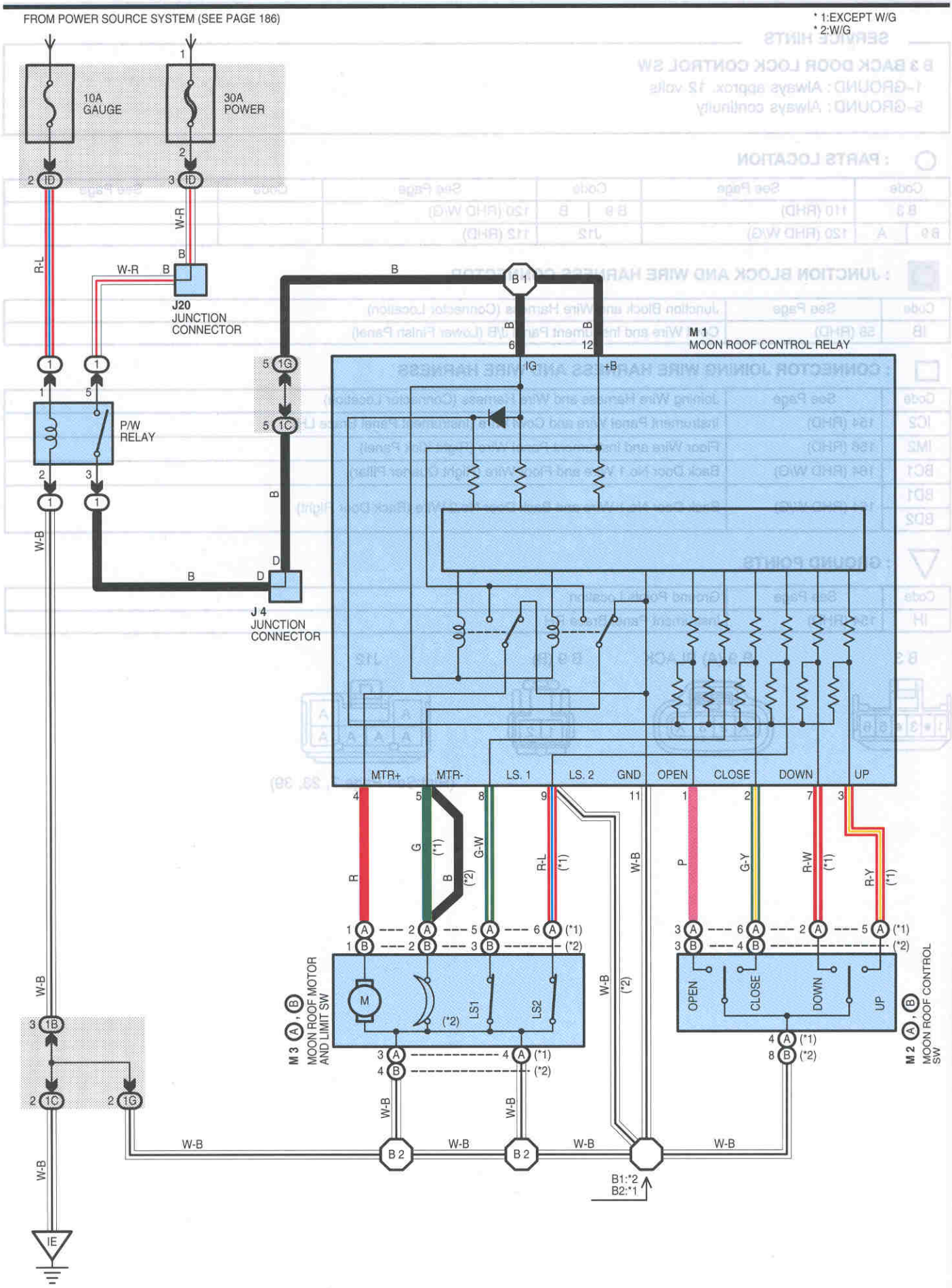
B 9 (B)

J12



(Hint:See Page 7, 23, 39)

MOON ROOF(LHD)



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** postiion, 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.)

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

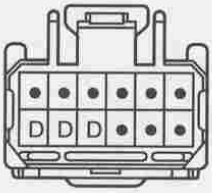
: GROUND POINTS

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

: SPLICE POINTS

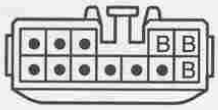
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 1	136 (LHD S/D)	Roof Wire	B 2	136 (LHD S/D)	Roof Wire
	138 (LHD L/B)			138 (LHD L/B)	
	140 (LHD H/B)			140 (LHD H/B)	
	142 (LHD W/G)			142 (LHD W/G)	

J 4 BLACK



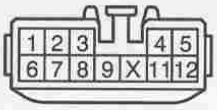
(Hint:See Page 7, 23, 39)

J20 BLACK

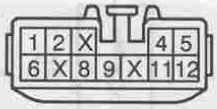


(Hint:See Page 7, 23, 39)

(Except W/G) M 1



(W/G) M 1



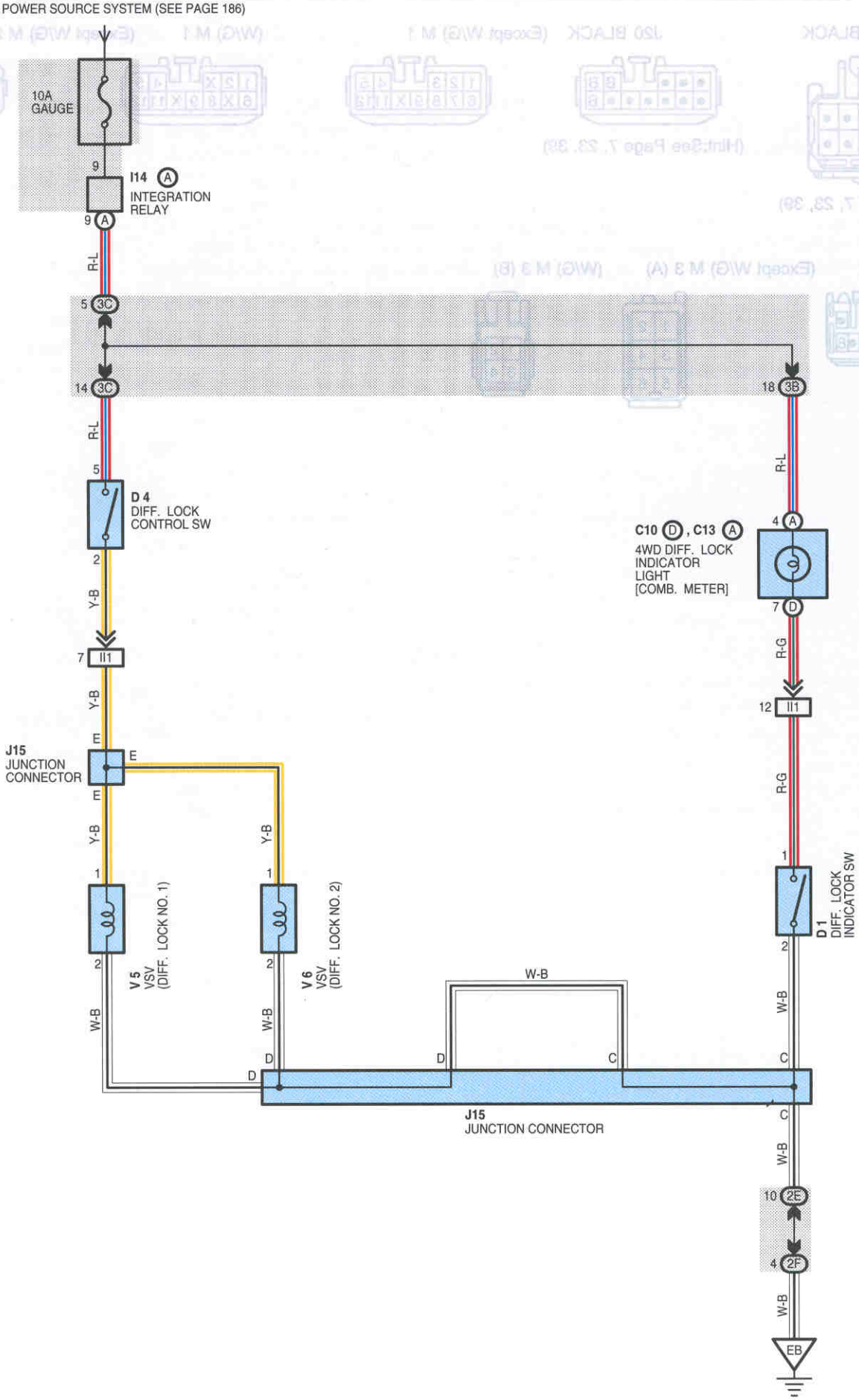
M 2 (A)

M 2 (B)

M 3 (A)

M 3 (B)

4WD(LHD)


FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
GAUGE
9
I14 A
INTEGRATION
RELAY
9 A
R-L
5 3C
14 3C
18 3B
R-L
5
D 4
DIFF. LOCK
CONTROL SW
2
Y-B
7 I1
Y-B
E
J15
JUNCTION
CONNECTOR
E
E
Y-B
1
V 5
VSV
(DIFF. LOCK NO. 1)
2
W-B
Y-B
1
V 6
VSV
(DIFF. LOCK NO. 2)
2
W-B
D
D
W-B
D
C
C
J15
JUNCTION CONNECTOR
C
W-B
10 2E
4 2F
W-B
EB
R-L
4 A
C10 D , C13 A
4WD DIFF. LOCK
INDICATOR
LIGHT
[COMB. METER]
7 D
R-G
12 I1
R-G
1
D 1
DIFF. LOCK
INDICATOR SW
2
W-B
C

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		

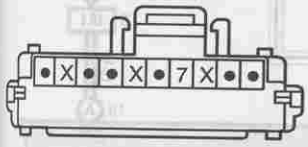
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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

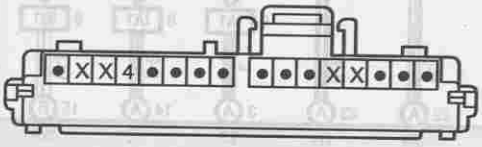
▽ : GROUND POINTS

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

C10 (D) GRAY



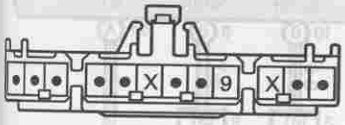
C13 (A)



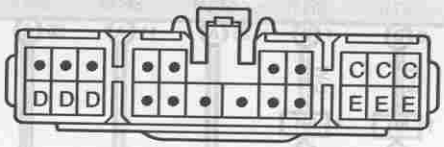
D 1 GRAY

D 4 BLACK

I14 (A)



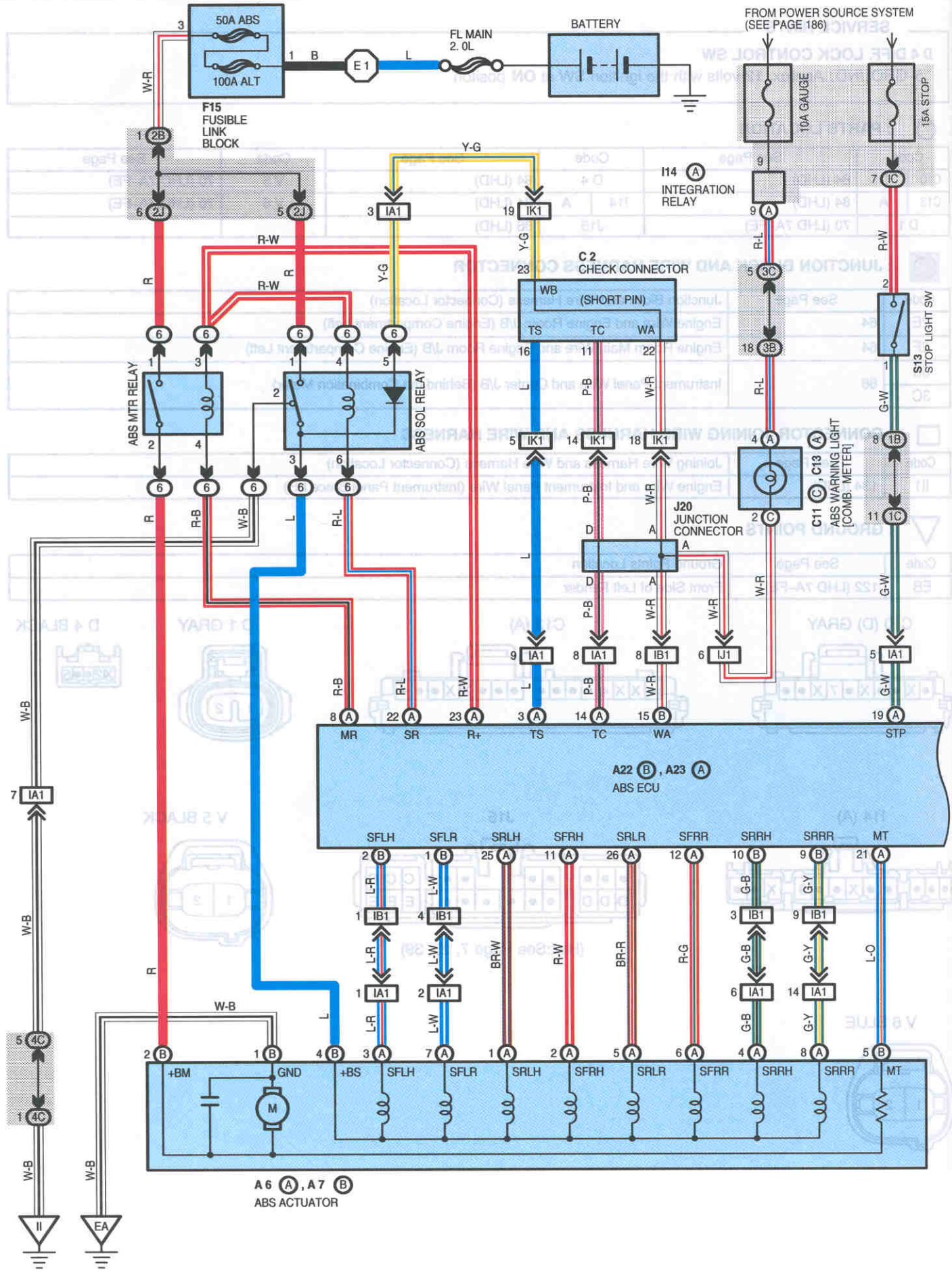
J15

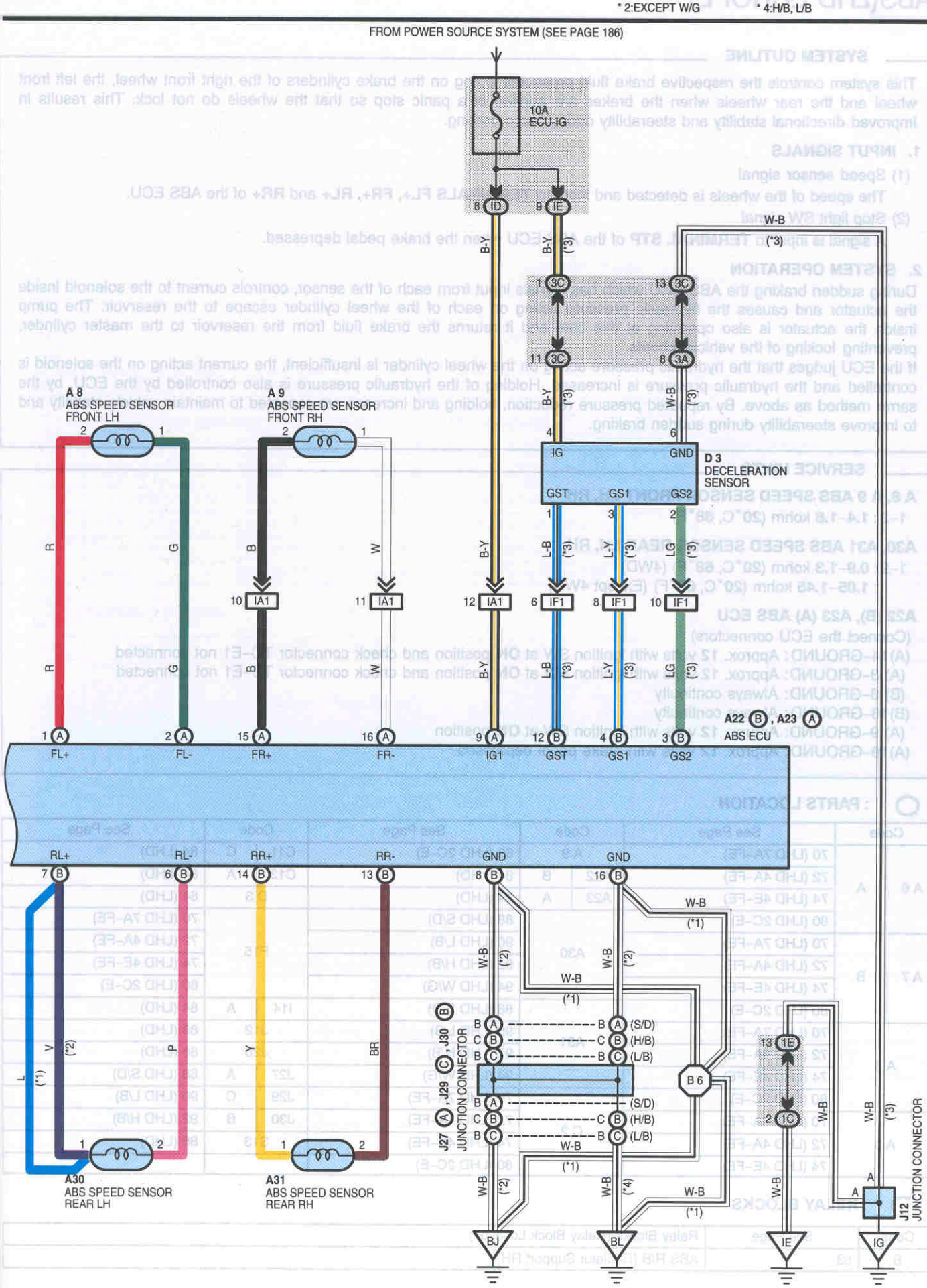


(Hint:See Page 7, 23, 39)

V 5 BLACK

V 6 BLUE


50A ABS
100A ALT
F15
FUSIBLE
LINK
BLOCK
FL MAIN
2. 0L
BATTERY
E 1
FROM POWER SOURCE SYSTEM
(SEE PAGE 186)
10A GAUGE
15A STOP
I14 A
INTEGRATION
RELAY
C 2
CHECK CONNECTOR
(SHORT PIN)
WB
TS
TC
WA
ABS MTR RELAY
ABS SOL RELAY
S13
STOP LIGHT SW
J20
JUNCTION
CONNECTOR
C11 C, C13 A
ABS WARNING LIGHT
[COMB. METER]
MR
SR
R+
TS
TC
WA
STP
A22 B, A23 A
ABS ECU
SFLH
SFLR
SRLH
SFRH
SRLR
SFRR
SRRH
SRRR
MT
+BM
GND
+BS
M
A6 A, A7 B
ABS ACTUATOR


* 1:W/G
* 2:EXCEPT W/G
* 3:4WD
* 4:H/B, L/B
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
ECU-IG
A 8
ABS SPEED SENSOR
FRONT LH
A 9
ABS SPEED SENSOR
FRONT RH
D 3
DECELERATION
SENSOR
IG
GND
GST
GS1
GS2
IA1
IF1
A22 B , A23 A
ABS ECU
FL+
FL-
FR+
FR-
IG1
RL+
RL-
RR+
RR-
A30
ABS SPEED SENSOR
REAR LH
A31
ABS SPEED SENSOR
REAR RH
J27 A , J29 C , J30 B
JUNCTION CONNECTOR
J12
JUNCTION CONNECTOR
B 6
BJ
BL
IE
IG

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)
A 7	B	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)
		80 (LHD 2C-E)	A31		88 (LHD S/D)	I14	A	84 (LHD)
A 8		70 (LHD 7A-FE)			90 (LHD L/B)	J12		86 (LHD)
		72 (LHD 4A-FE)			92 (LHD H/B)	J20		86 (LHD)
		74 (LHD 4E-FE)			94 (LHD W/G)	J27	A	88 (LHD S/D)
		80 (LHD 2C-E)	C 2		70 (LHD 7A-FE)	J29	C	90 (LHD L/B)
A 9		70 (LHD 7A-FE)			72 (LHD 4A-FE)	J30	B	92 (LHD H/B)
		72 (LHD 4A-FE)			74 (LHD 4E-FE)	S13		86 (LHD)
		74 (LHD 4E-FE)			80 (LHD 2C-E)			

⬭ : 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		
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)
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)
3A	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3B		
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)
IF1	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
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)	
	124 (LHD 4E-FE)	
	128 (LHD 2C-E)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
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
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

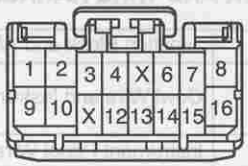
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E 1	122 (LHD 7A-FE)	Engine Wire	E 1	128 (LHD 2C-E)	Engine Wire
	123 (LHD 4A-FE)		B 6	142 (LHD W/G)	Floor Wire
	124 (LHD 4E-FE)				

A 6 (A) GRAY

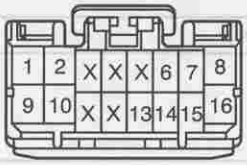
A 7 (B) GRAY

A 8, A 9 GRAY

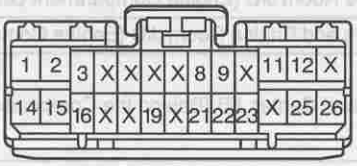
(4WD) A22 (B) GRAY



(Except 4WD) A22 (B) GRAY

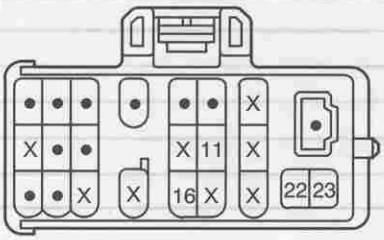


A23 (A) GRAY

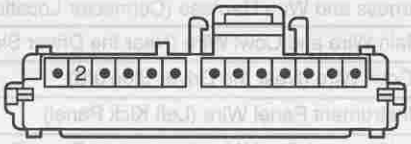


A30, A31 GRAY

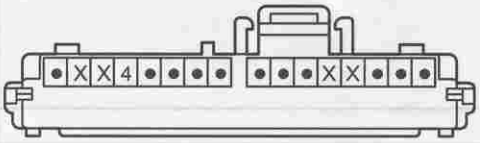
C 2 BLACK



C11 (C) BLUE



C13 (A)

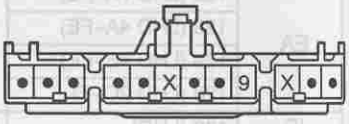


D 3 GRAY

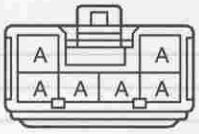
F15

(See Page 64)

I14 (A)



J12

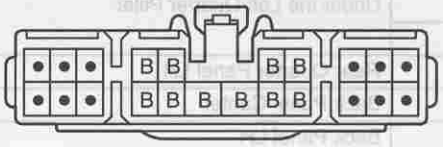


(Hint:See Page 7, 23, 39)

J20 BLACK

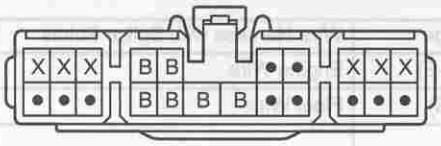
(Hint:See Page 7, 23, 39)

J27 (A)



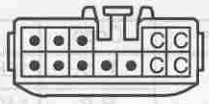
(Hint:See Page 7, 23, 39)

J29 (C) DARK GRAY



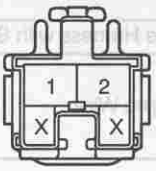
(Hint:See Page 7, 23, 39)

J30 (B) GRAY

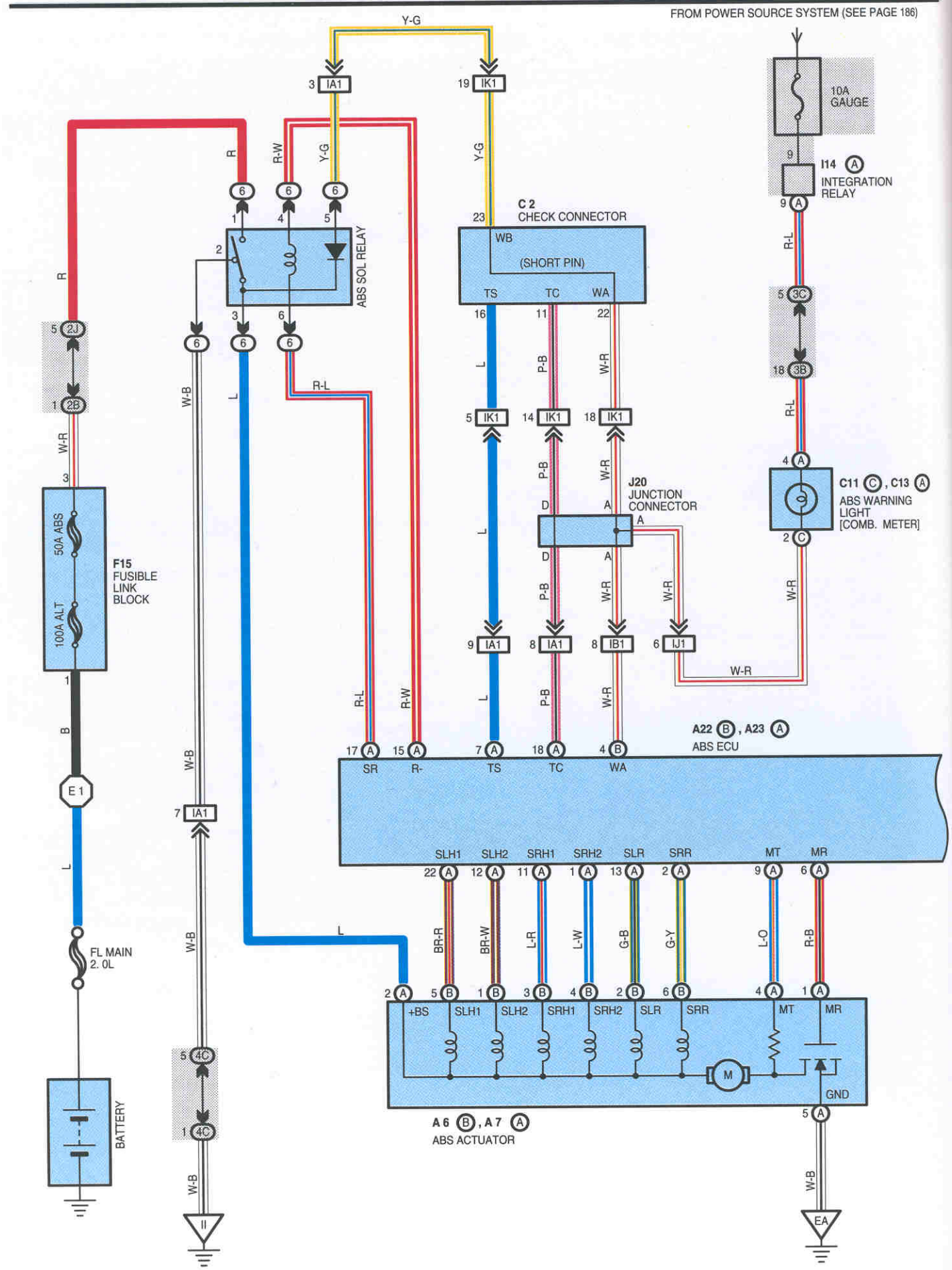


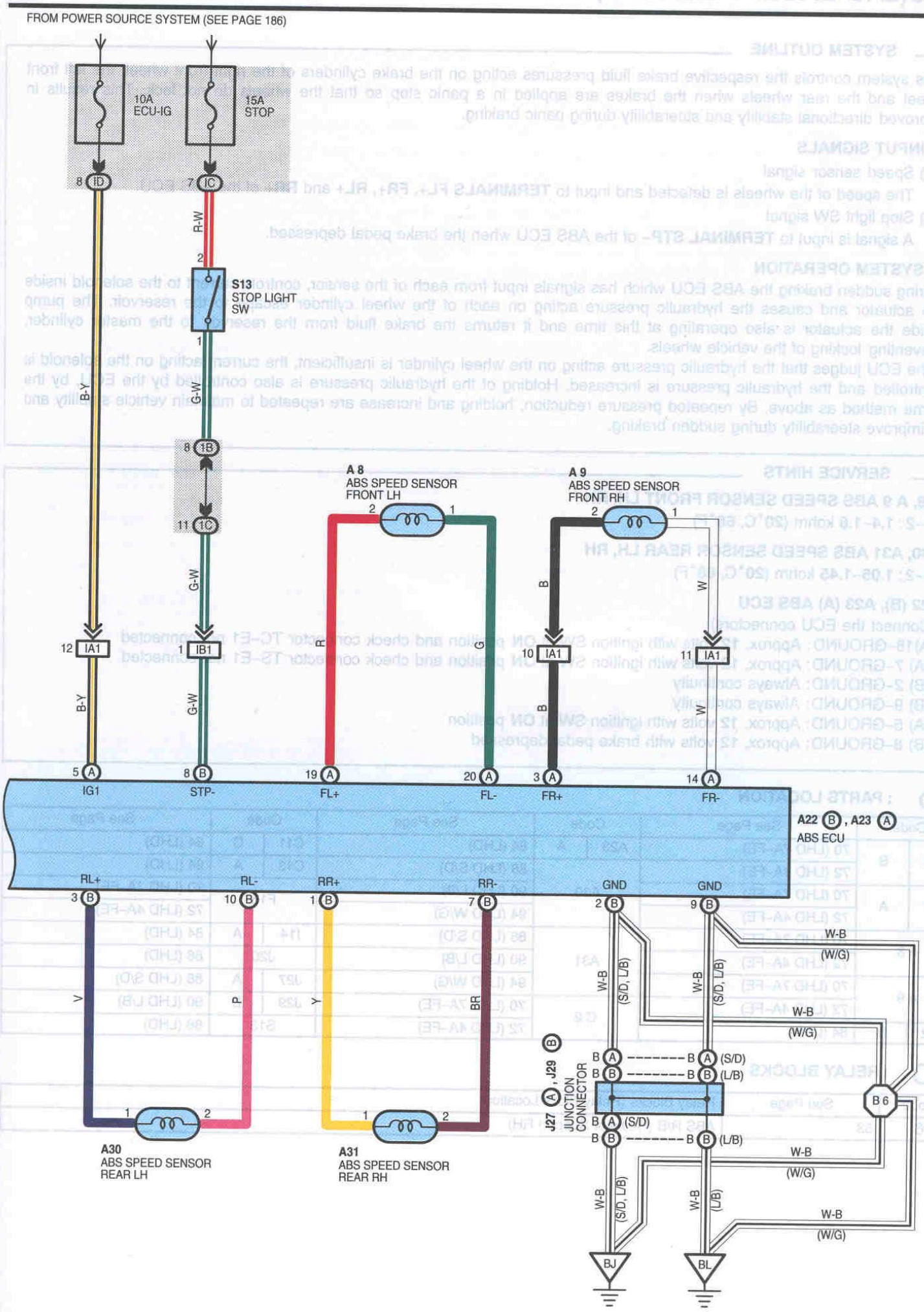
(Hint:See Page 7, 23, 39)

S13 BLACK



ABS(LHD EXCEPT EUROPE)




FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
ECU-IG
15A
STOP
8 1D
7 1C
R-W
2
S13
STOP LIGHT
SW
1
B-Y
G-W
8 1B
11 1C
G-W
12 IA1
1 IB1
B-Y
G-W
A 8
ABS SPEED SENSOR
FRONT LH
2
1
R
G
A 9
ABS SPEED SENSOR
FRONT RH
2
1
B
W
10 IA1
11 IA1
B
W
5 A
IG1
8 B
STP-
19 A
FL+
20 A
FL-
3 A
FR+
14 A
FR-
A22 B , A23 A
ABS ECU
RL+
RL-
RR+
RR-
GND
GND
3 B
10 B
1 B
7 B
2 B
9 B
V
P
Y
BR
W-B
(W/G)
W-B
(S/D, L/B)
W-B
(S/D, L/B)
W-B
(W/G)
B A
B B
B A (S/D)
B B (L/B)
J29 B
J27 A
JUNCTION
CONNECTOR
B 6
B A (S/D)
B B
B B (L/B)
W-B
(W/G)
W-B
(S/D, L/B)
W-B
(L/B)
W-B
(W/G)
1
2
A30
ABS SPEED SENSOR
REAR LH
1
2
A31
ABS SPEED SENSOR
REAR RH
BJ
BL

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)	A30		88 (LHD S/D)	C13	A	84 (LHD)
A 7	A	70 (LHD 7A–FE)			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)	J20		86 (LHD)
A 9		70 (LHD 7A–FE)			94 (LHD W/G)	J27	A	88 (LHD S/D)
		72 (LHD 4A–FE)	C 2		70 (LHD 7A–FE)	J29	B	90 (LHD L/B)
A22	B	84 (LHD)			72 (LHD 4A–FE)	S13		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)

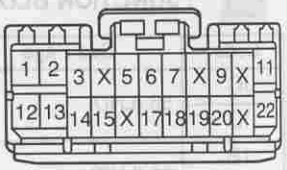
A 6 (B) GRAY

A 7 (A) BLACK

A 8, A 9 GRAY

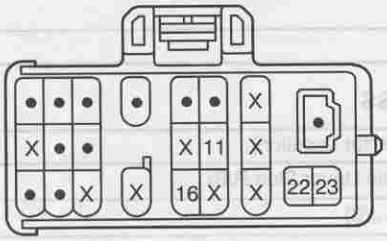
A22 (B) GRAY

A23 (A) GRAY

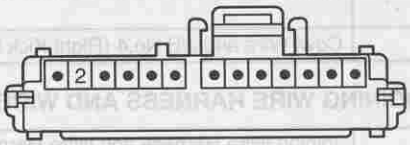


A30, A31 GRAY

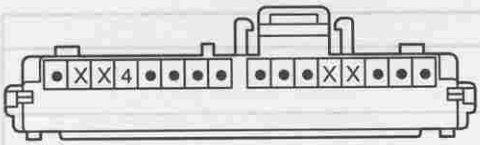
C 2 BLACK



C11 (C) BLUE



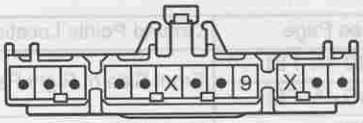
C13 (A)



F15

(See Page 64)

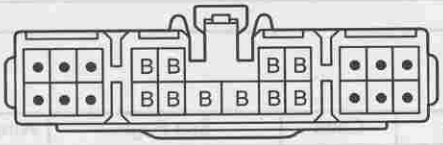
I14 (A)



J20 BLACK

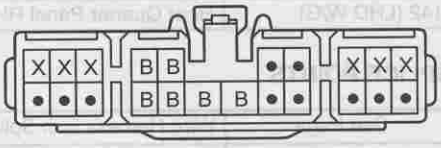
(See Page 7, 23, 39)

J27 (A)



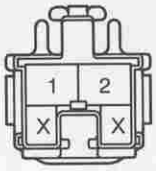
(See Page 7, 23, 39)

J29 (B) DRAK GRAY



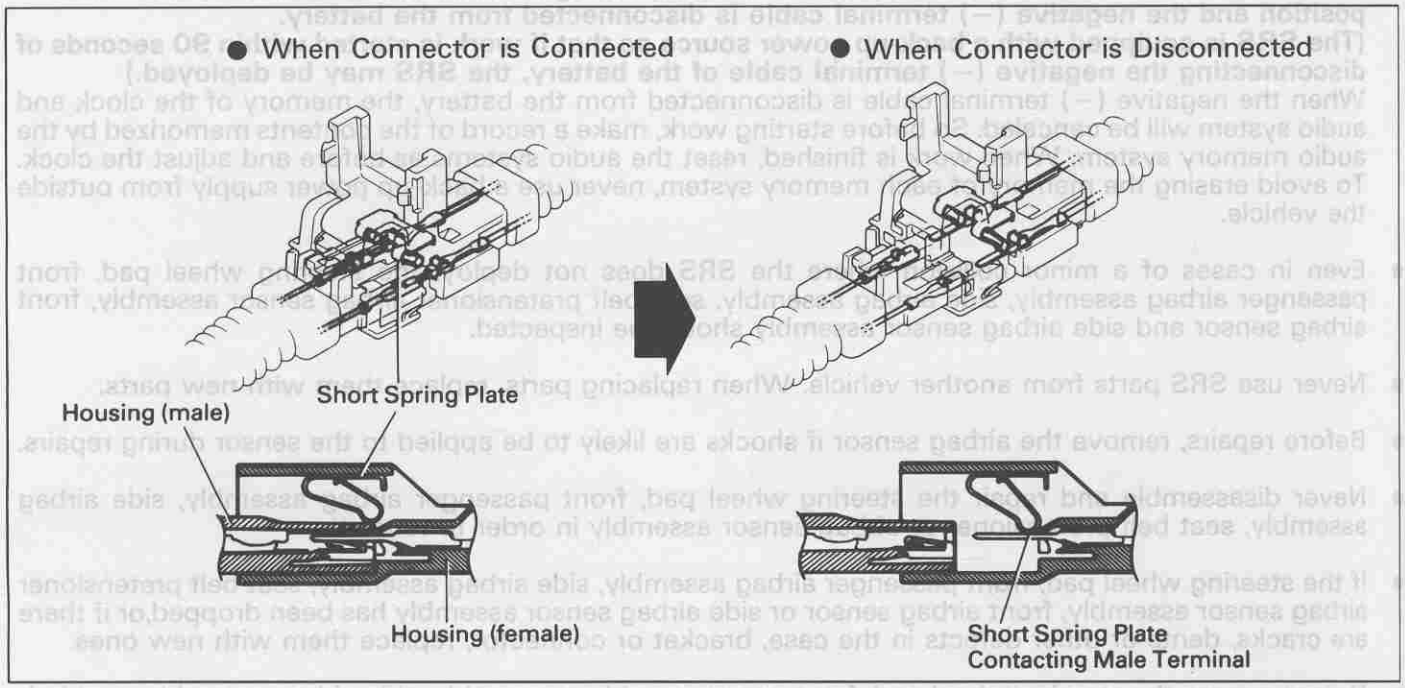
(See Page 7, 23, 39)

S13 BLACK

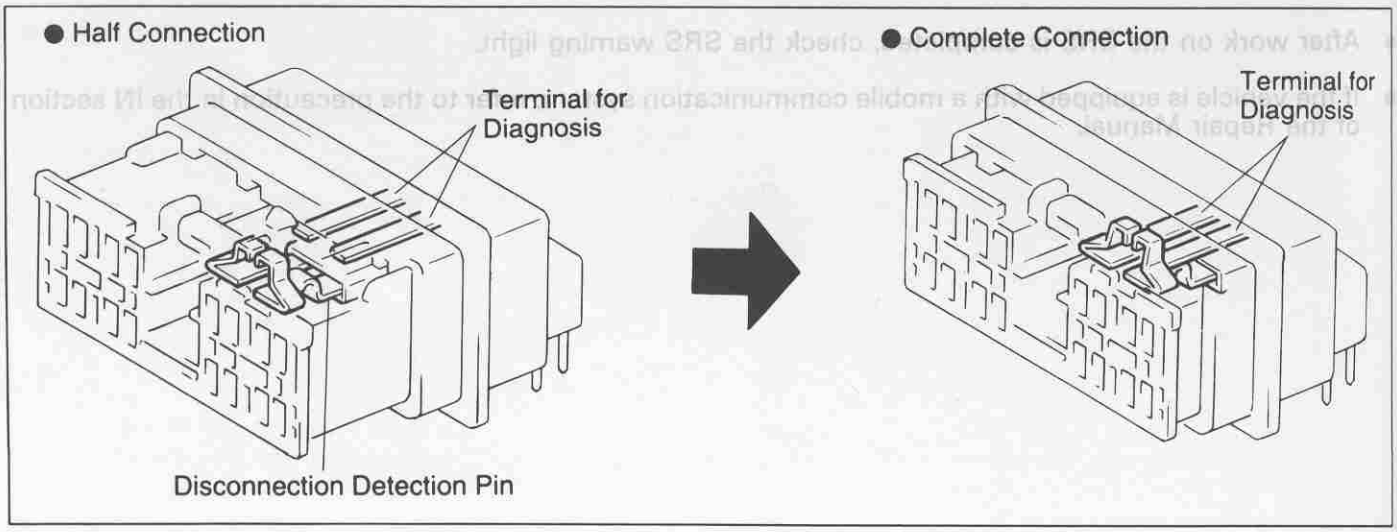


The SRS has connectors which possess the functions described below:

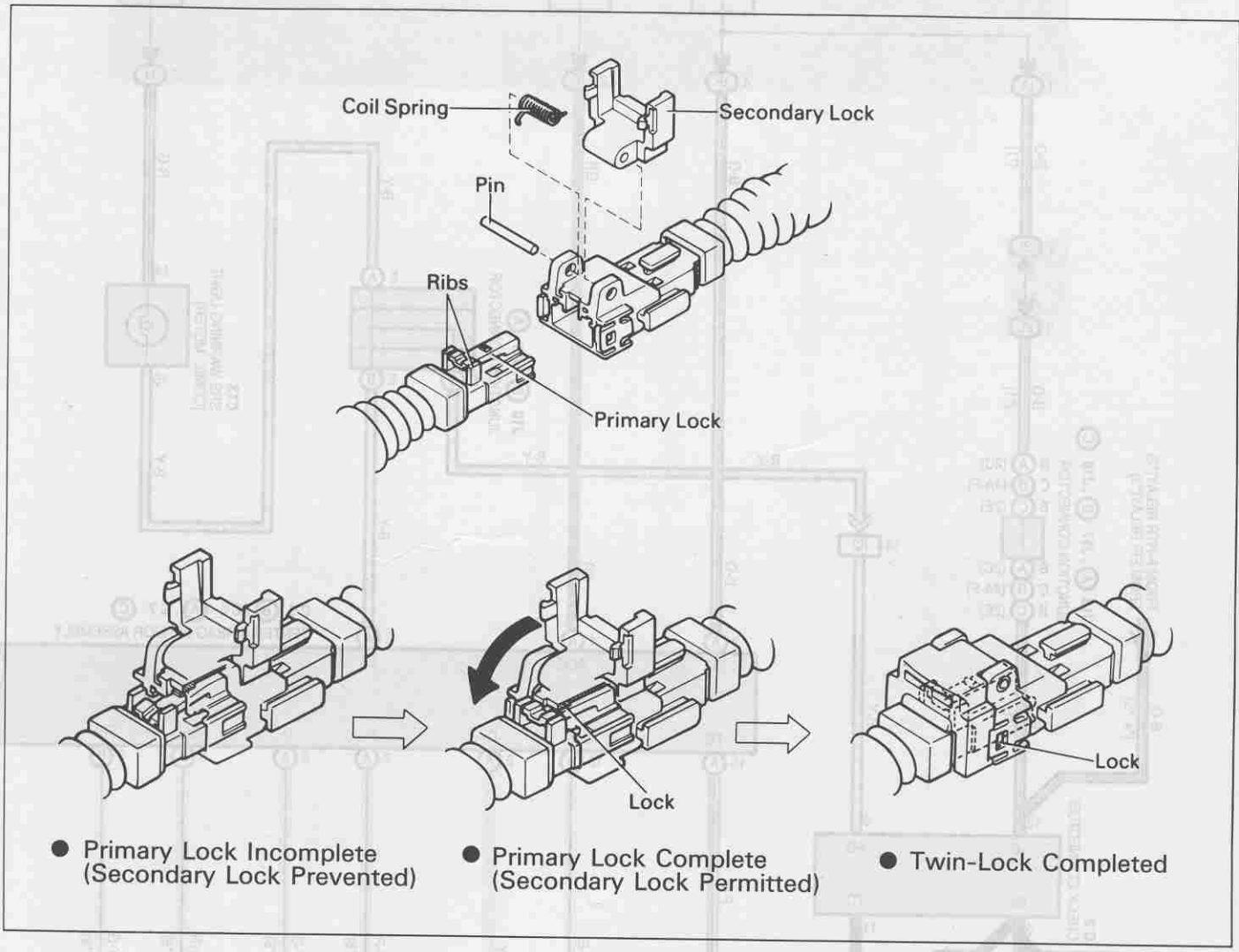
1. SRS ACTIVATION PREVENTION MECHANISM
Each connector contains a short spring plate. When the connector is disconnected, the short spring plate automatically connects the power source and grounding terminals of the squib.

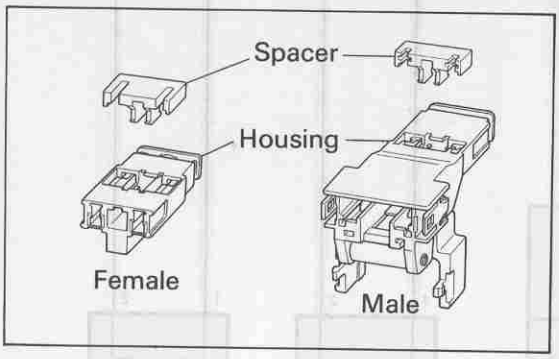


2. ELECTRICAL CONNECTION CHECK MECHANISM
This mechanism electrically checks if connectors are connected correctly and completely.
The electrical connection check mechanism is designed so that the disconnection detection pin connects with the diagnosis terminals when the connector housing lock is locked.



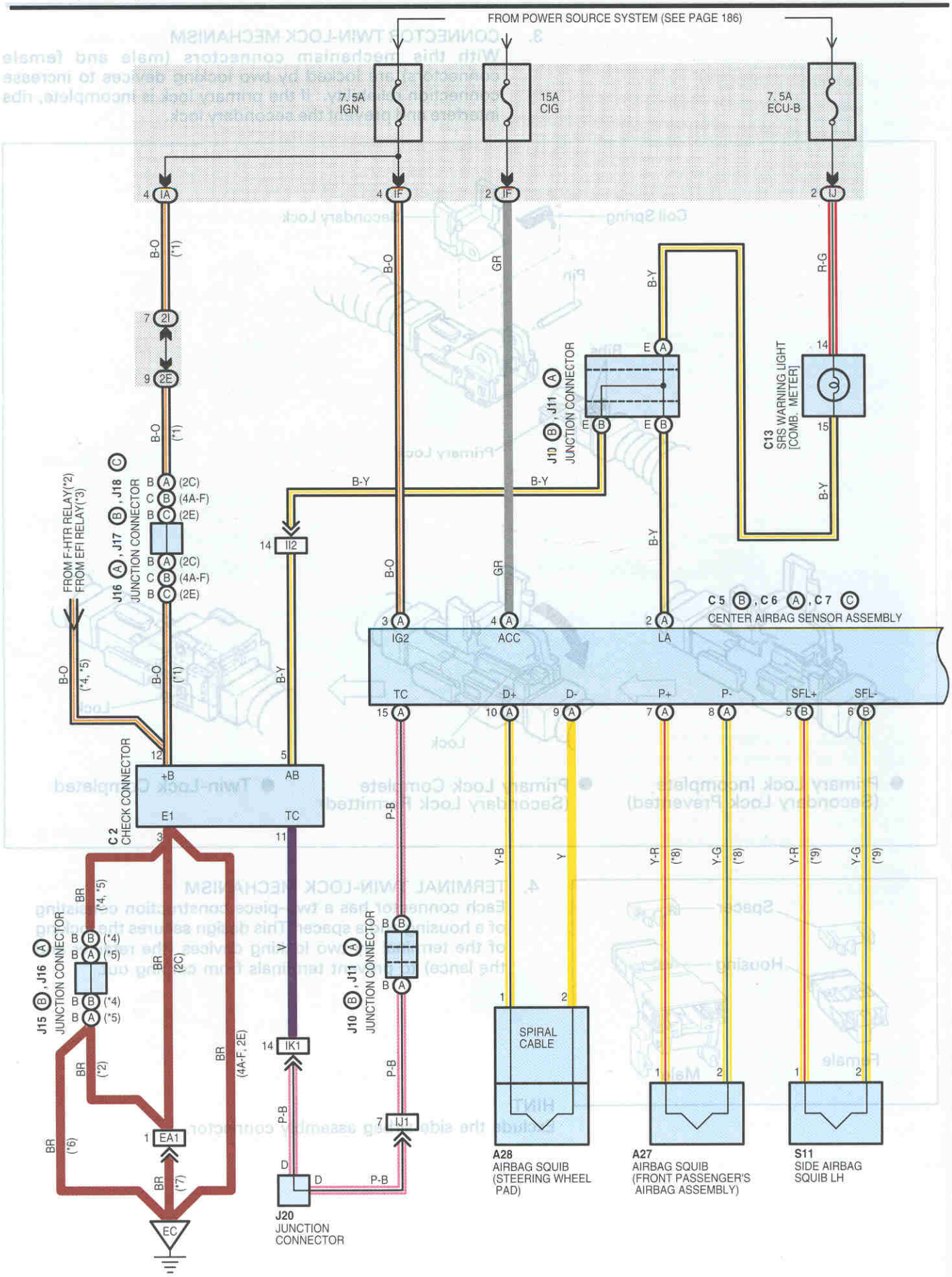
3. CONNECTOR TWIN-LOCK MECHANISM
With this mechanism connectors (male and female connectors) are locked by two locking devices to increase connection reliability. If the primary lock is incomplete, ribs interfere and prevent the secondary lock.

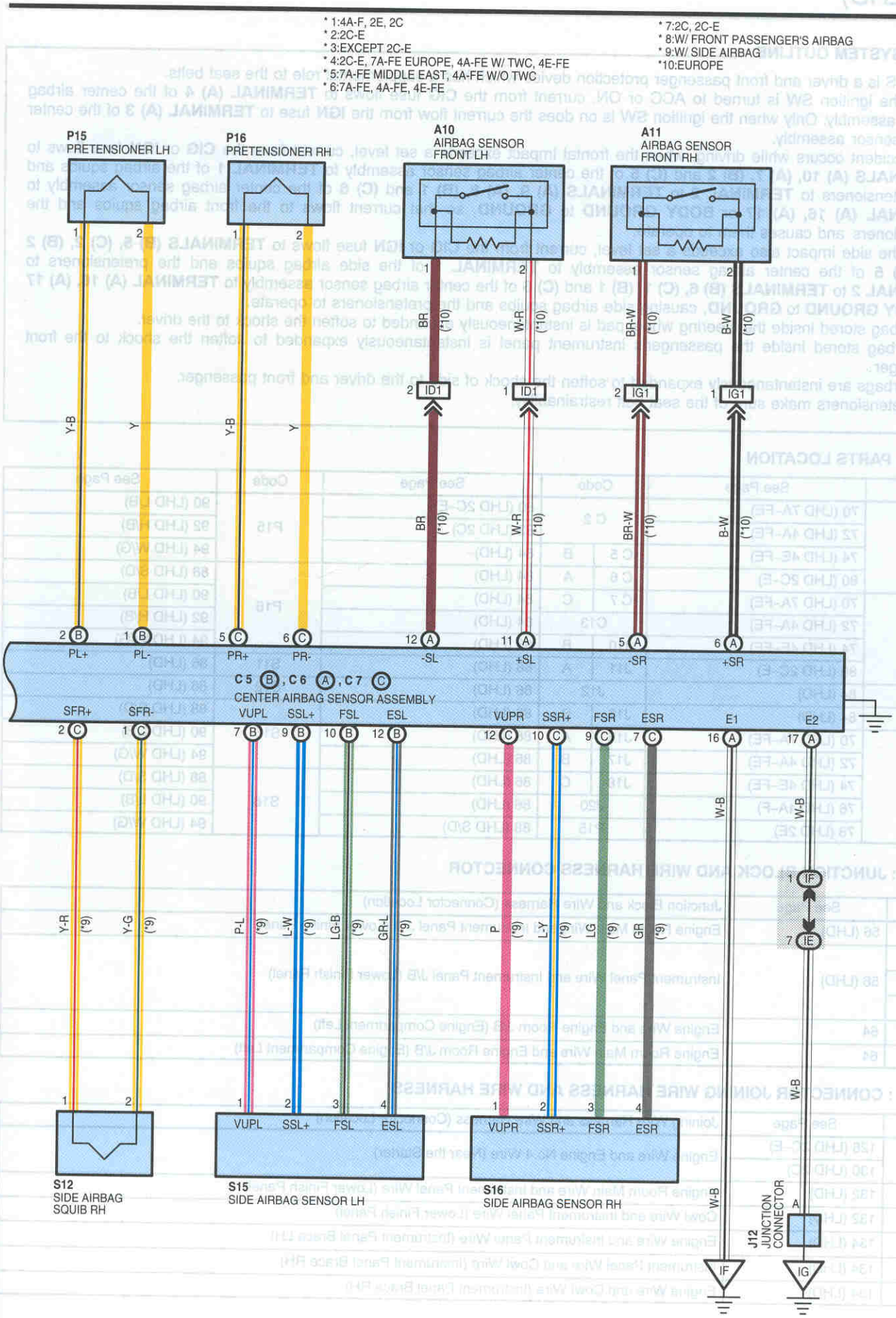




4. TERMINAL TWIN-LOCK MECHANISM
Each connector has a two-piece construction consisting of a housing and a spacer. This design secures the locking of the terminal by two locking devices (the retainer and the lance) to prevent terminals from coming out.

HINT:
Exclude the side airbag assembly connector.


FROM POWER SOURCE SYSTEM (SEE PAGE 186)
7.5A IGN
15A CIG
7.5A ECU-B
J10 (B), J11 (A) JUNCTION CONNECTOR
C13 SRS WARNING LIGHT [COMB. METER]
C5 (B), C6 (A), C7 (C) CENTER AIRBAG SENSOR ASSEMBLY
IG2
ACC
LA
TC
D+
D-
P+
P-
SFL+
SFL-
FROM F-HTR RELAY(*2)
FROM EFI RELAY(*3)
J16 (A), J17 (B), J18 (C) JUNCTION CONNECTOR
C2 CHECK CONNECTOR
+B
E1
AB
J15 (B), J16 (A) JUNCTION CONNECTOR
SPIRAL CABLE
A28 AIRBAG SQUIB (STEERING WHEEL PAD)
A27 AIRBAG SQUIB (FRONT PASSENGER'S AIRBAG ASSEMBLY)
S11 SIDE AIRBAG SQUIB LH
J20 JUNCTION CONNECTOR
EC


* 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
P15
PRETENSIONER LH
P16
PRETENSIONER RH
A10
AIRBAG SENSOR
FRONT LH
A11
AIRBAG SENSOR
FRONT RH
ID1
IG1
PL+
PL-
PR+
PR-
-SL
+SL
-SR
+SR
C5 B, C6 A, C7 C
CENTER AIRBAG SENSOR ASSEMBLY
SFR+
SFR-
VUPL
SSL+
FSL
ESL
VUPR
SSR+
FSR
ESR
E1
E2
IF
IE
S12
SIDE AIRBAG
SQUIB RH
S15
SIDE AIRBAG SENSOR LH
S16
SIDE AIRBAG SENSOR RH
J12
JUNCTION
CONNECTOR

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	84 (LHD)		94 (LHD W/G)
	80 (LHD 2C-E)	C 6	A	84 (LHD)	P16	88 (LHD S/D)
A11	70 (LHD 7A-FE)	C 7	C	84 (LHD)		90 (LHD L/B)
	72 (LHD 4A-FE)	C13		84 (LHD)		92 (LHD H/B)
	74 (LHD 4E-FE)	J10	B	86 (LHD)		94 (LHD W/G)
	80 (LHD 2C-E)	J11	A	86 (LHD)	S11	86 (LHD)
A27	84 (LHD)	J12		86 (LHD)	S12	86 (LHD)
A28	84 (LHD)	J15	B	86 (LHD)		88 (LHD S/D)
C 2	70 (LHD 7A-FE)	J16	A	86 (LHD)	S15	90 (LHD L/B)
	72 (LHD 4A-FE)	J17	B	86 (LHD)		94 (LHD W/G)
	74 (LHD 4E-FE)	J18	C	86 (LHD)	S16	88 (LHD S/D)
	76 (LHD 4A-F)	J20		86 (LHD)		90 (LHD L/B)
	78 (LHD 2E)	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	56 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IF		
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

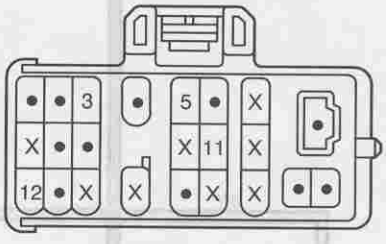
Code	See Page	Ground Points Location
EC	122 (LHD 7A-FE)	Intake Manifold
	123 (LHD 4A-FE)	
	124 (LHD 4E-FE)	
	125 (LHD 4A-F)	
	126 (LHD 2E)	
	128 (LHD 2C-E)	
	130 (LHD 2C)	
IF	132 (LHD)	Instrument Panel Brace LH
IG		

A10, A11 YELLOW

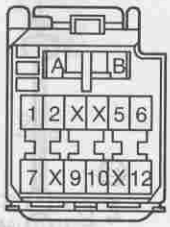
A27 YELLOW

A28 YELLOW

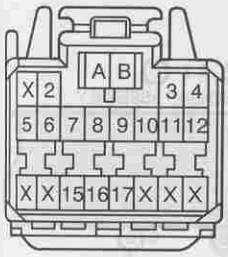
C 2 BLACK



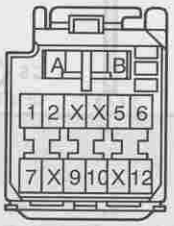
C 5 (B) YELLOW



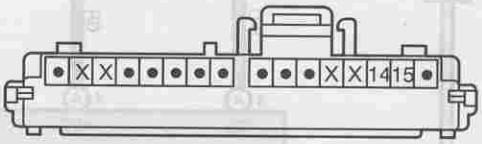
C 6 (A) YELLOW



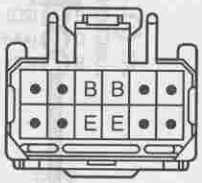
C 7 (C) YELLOW



C13

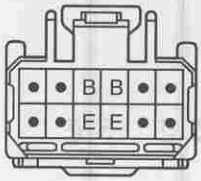


J10 (B)



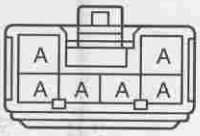
(Hint:See Page 7, 23, 39)

J11 (A)



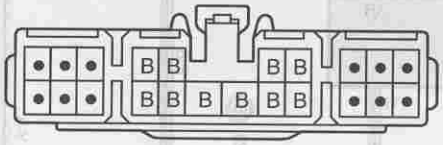
(Hint:See Page 7, 23, 39)

J12



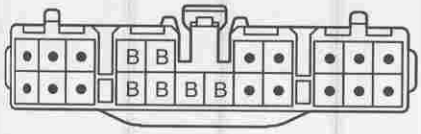
(Hint:See Page 7, 23, 39)

J15 (B)



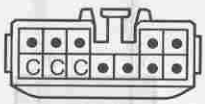
(Hint:See Page 7, 23, 39)

J16 (A)



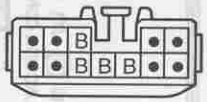
(Hint:See Page 7, 23, 39)

J17 (B)



(Hint:See Page 7, 23, 39)

J18 (C)

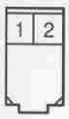


(Hint:See Page 7, 23, 39)

J20 BLACK

(Hint:See Page 7, 23, 39)

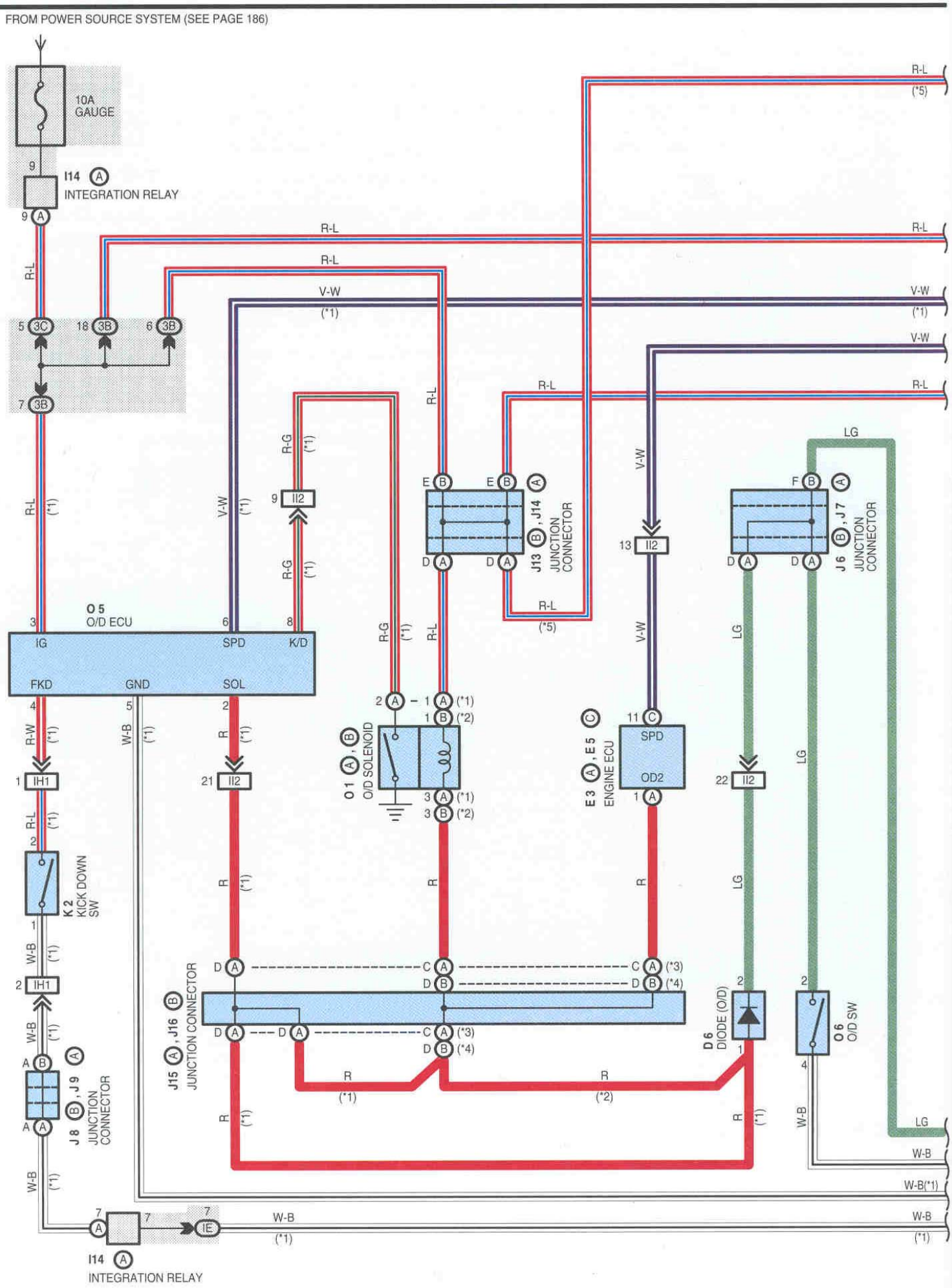
P15, P16 YELLOW



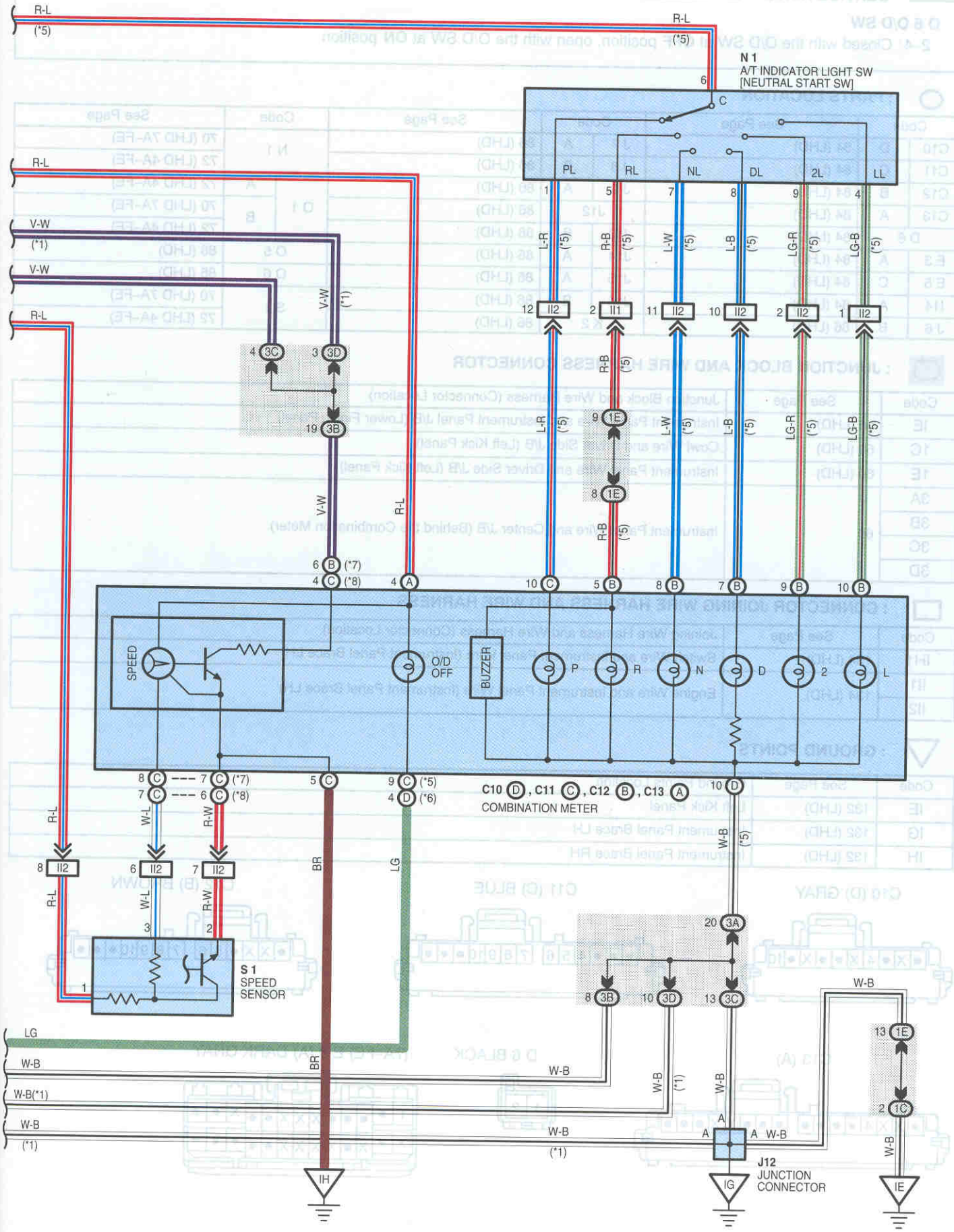
S11, S12 YELLOW

S15, S16 YELLOW

OVERDRIVE AND A/T INDICATOR(LHD)



* 1:EUROPE 4A-FE
* 2:EXCEPT EUROPE 4A-FE
* 3:W/ TWC
* 4:W/O TWC
* 5:W/ A/T INDICATOR
* 6:W/O A/T INDICATOR
* 7:EUROPE
* 8:EXCEPT EUROPE



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		

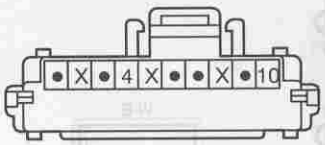
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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		

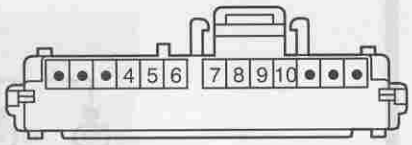
: GROUND POINTS

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

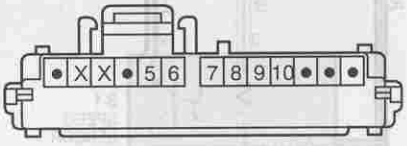
C10 (D) GRAY



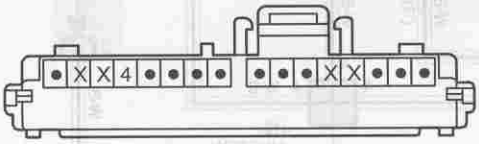
C11 (C) BLUE



C12 (B) BROWN

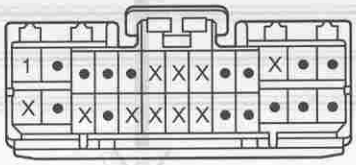


C13 (A)

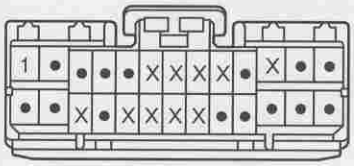


D 6 BLACK

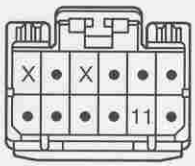
(7A-FE) E 3 (A) DARK GRAY



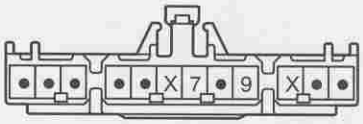
(4A-FE) E 3 (A) DARK GRAY



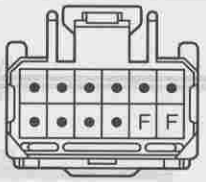
E 5 (C) DARK GRAY



I14 (A)

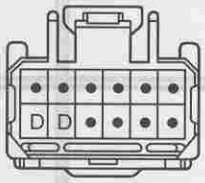


J 6 (B)



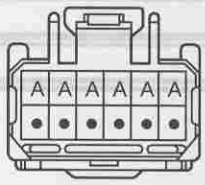
(Hint:See Page 7, 23, 39)

J 7 (A)



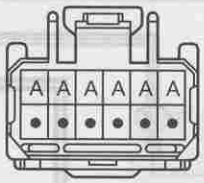
(Hint:See Page 7, 23, 39)

J 8 (B) GRAY



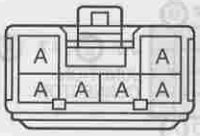
(Hint:See Page 7, 23, 39)

J 9 (A) GRAY



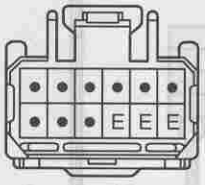
(Hint:See Page 7, 23, 39)

J12



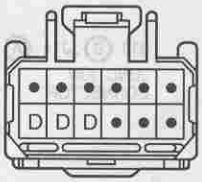
(Hint:See Page 7, 23, 39)

J13 (B) BLACK



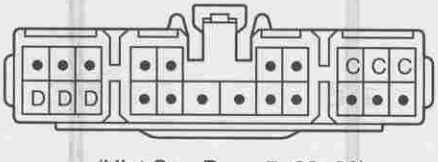
(Hint:See Page 7, 23, 39)

J14 (A) BLACK



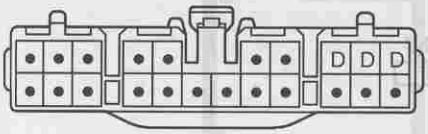
(Hint:See Page 7, 23, 39)

J15 (A)



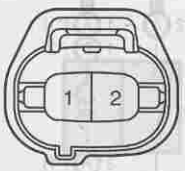
(Hint:See Page 7, 23, 39)

J16 (B)

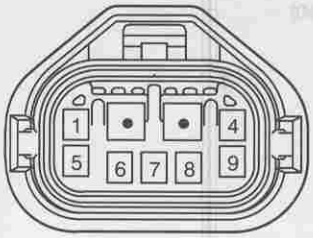


(Hint:See Page 7, 23, 39)

K 2 BLACK



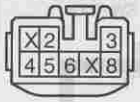
N 1 GRAY



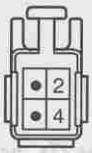
O 1 (A) BLACK

O 1 (B) BLACK

O 5 GRAY



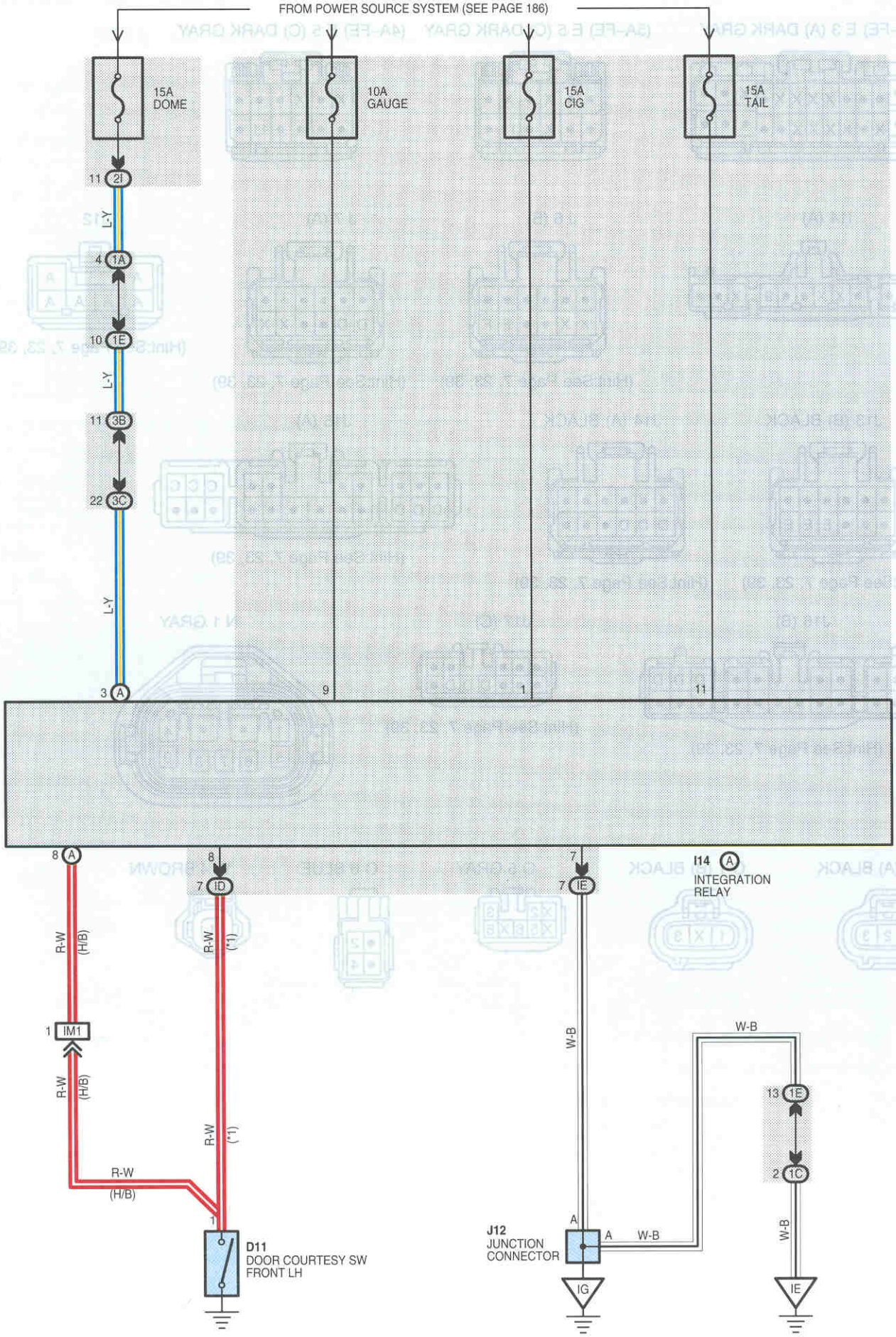
O 6 BLUE



S 1 BLACK

LIGHT REMINDER BUZZER(LHD)

* 1:L/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

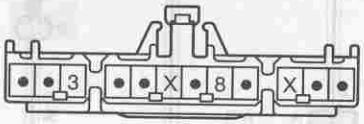
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)

▽ : GROUND POINTS

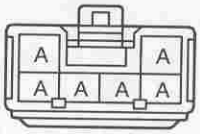
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH

D11

I14 (A)

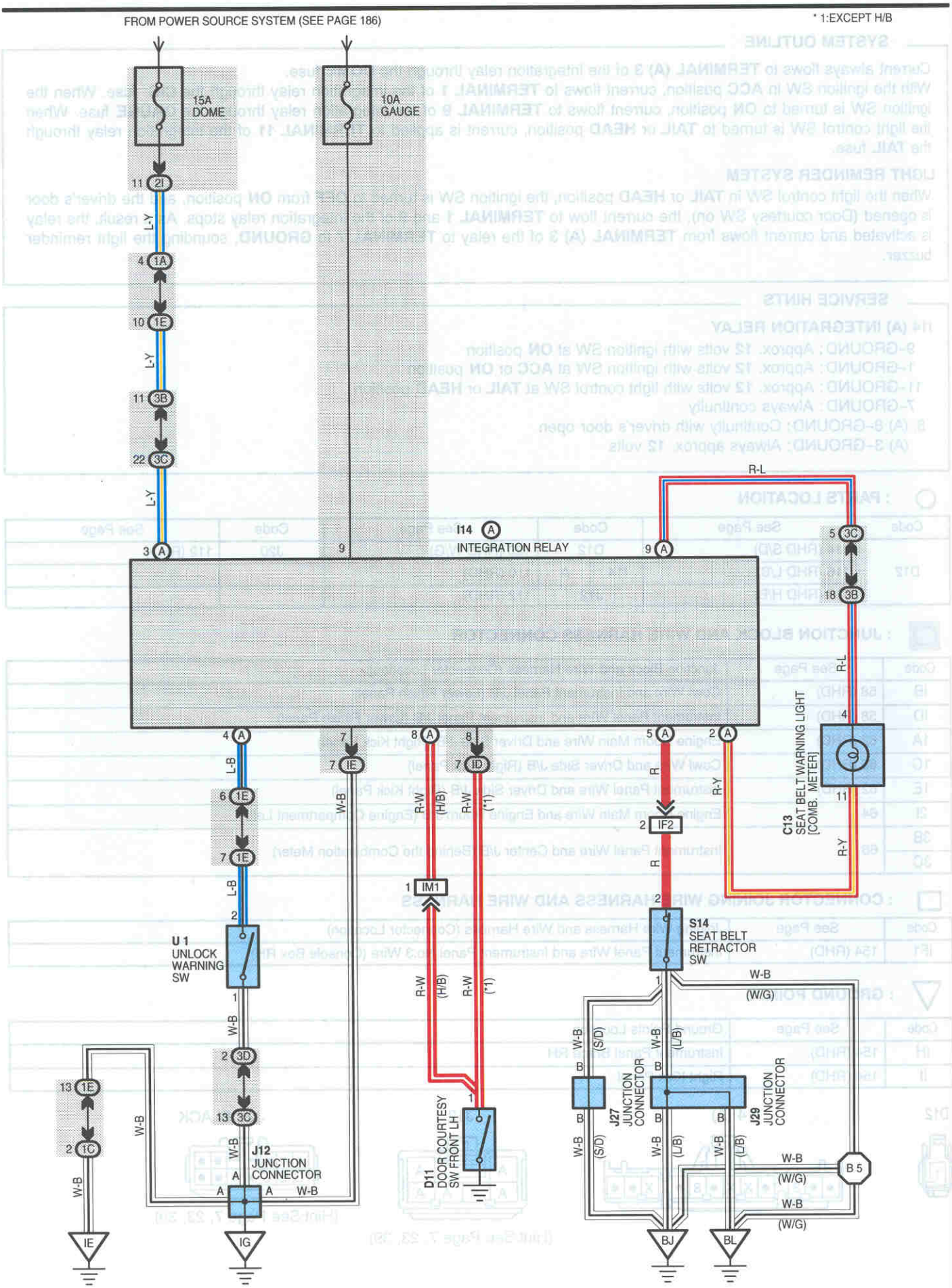


J12



(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)	S14	90 (LHD L/B)
D11	88 (LHD S/D)	J12	86 (LHD)		94 (LHD W/G)
	90 (LHD L/B)	J27	88 (LHD S/D)	U 1	86 (LHD)
	92 (LHD H/B)	J29	90 (LHD L/B)		
	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	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)
IM1	134 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Console Box RH)

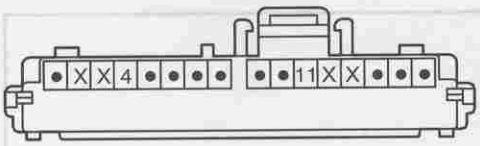
: GROUND POINTS

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

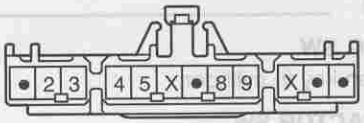
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B 5	142 (LHD W/G)	Floor Wire			

C13

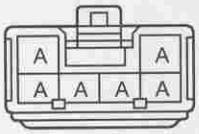


D11

I14 (A)

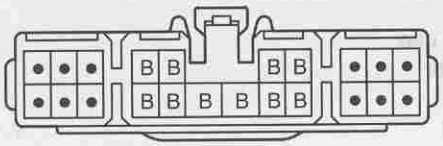


J12



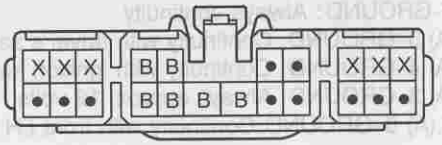
(Hint:See Page 7, 23, 39)

J27



(Hint:See Page 7, 23, 39)

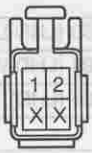
J29 DARK GRAY



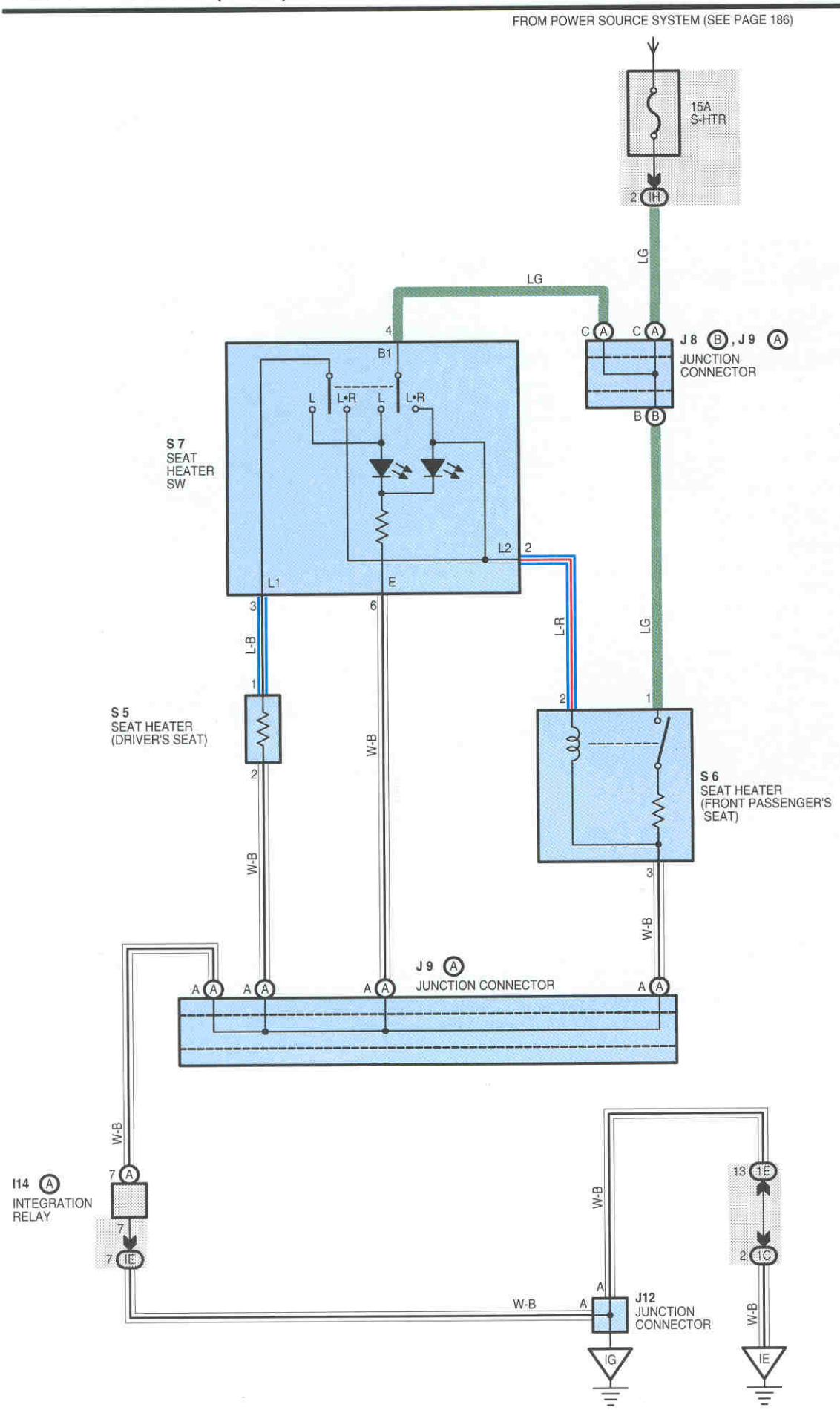
(Hint:See Page 7, 23, 39)

S14

U 1



SEAT HEATER(LHD)



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)		

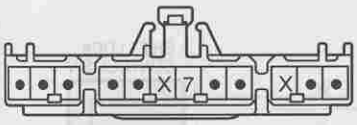
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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)

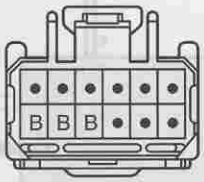
: GROUND POINTS

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

I14 (A)

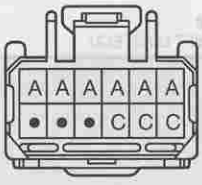


J 8 (B) GRAY



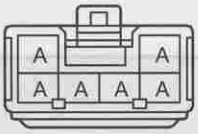
(Hint:See Page 7, 23, 39)

J 9 (A) GRAY



(Hint:See Page 7, 23, 39)

J12



(Hint:See Page 7, 23, 39)

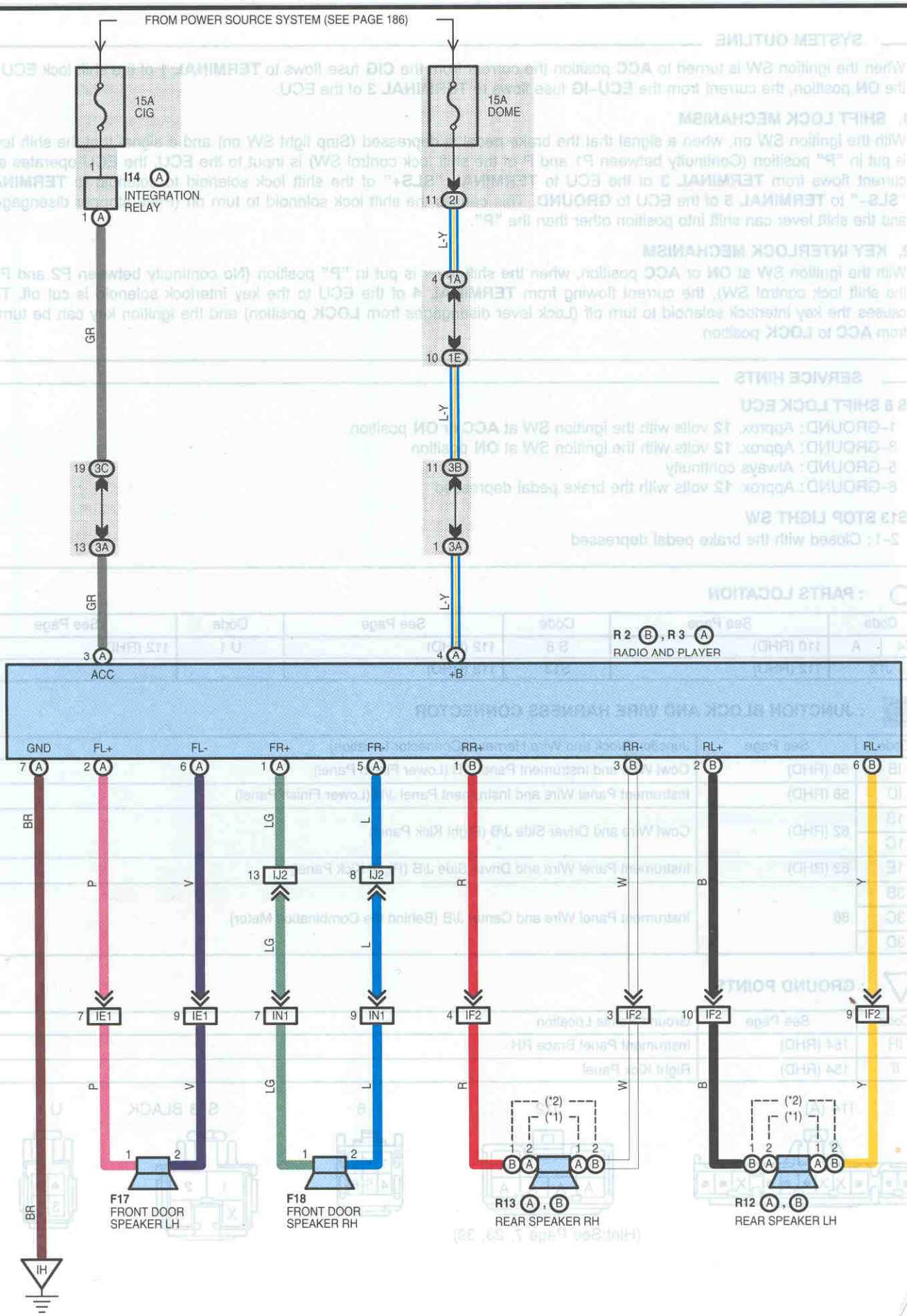
S 5

S 6

S 7 BLUE

RADIO AND PLAYER(LHD)

* 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** votls 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)			90 (LHD L/B)
	94 (LHD W/G)	R 3	A	86 (LHD)			92 (LHD H/B)
F18	88 (LHD S/D)	R12	A	88 (LHD S/D)		B	94 (LHD W/G)
	90 (LHD L/B)			90 (LHD L/B)			
	92 (LHD H/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

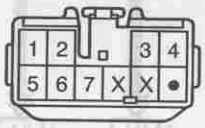
Code	See Page	Ground Points Location
IH	132 (LHD)	Instrument Panel Brace RH

F17, F18

I14 (A)

R 2 (B)

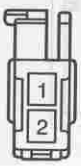
R 3 (A)



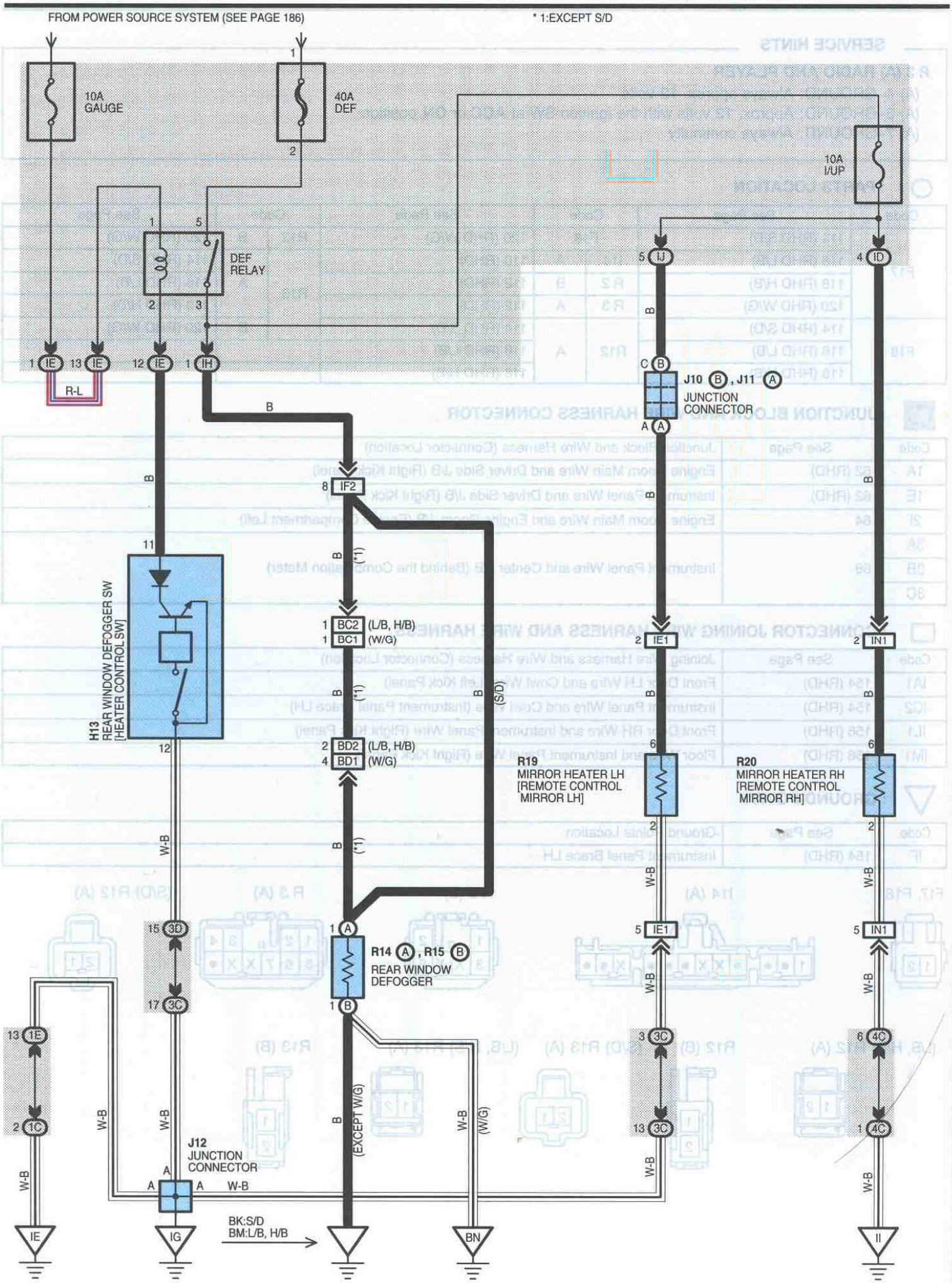
(S/D) R12 (A), R13 (A)

(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)	R19	92 (LHD H/B)
J10	B	86 (LHD)	R15	B	88 (LHD S/D)		94 (LHD W/G)
J11	A	86 (LHD)			90 (LHD L/B)	R20	88 (LHD S/D)
J12		86 (LHD)			92 (LHD H/B)		90 (LHD L/B)
R14	A	88 (LHD S/D)			94 (LHD W/G)		92 (LHD H/B)
		90 (LHD L/B)	R19		88 (LHD S/D)		94 (LHD W/G)
		92 (LHD H/B)			90 (LHD L/B)		

: 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)
IH		
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	66	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
3D		
4C	68 (LHD)	Cowl Wire and J/B No.4 (Right Kick Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

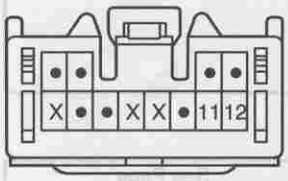
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IF2	132 (LHD)	Floor Wire and Instrument Panel Wire (Left Kick Panel)
IN1	134 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BC1	142 (LHD W/G)	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

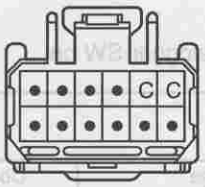
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
II	132 (LHD)	Right Kick Panel
BK	136 (LHD S/D)	Under the Right Quarter Pillar
BM	138 (LHD L/B)	Back Door RH
	140 (LHD H/B)	Back Door LH
BN	142 (LHD W/G)	

REAR WINDOW DEFOGGER AND MIRROR HEATER(LHD)

H13

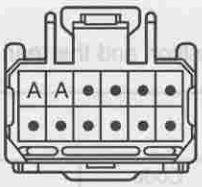


J10 (B)



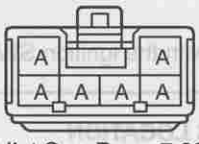
(Hint:See Page 7,23,39)

J11 (A)



(Hint:See Page 7,23,39)

J12



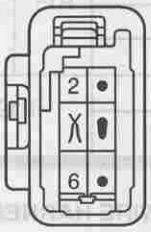
(Hint:See Page 7,23,39)

(S/D, W/G) R14 (A) BLACK

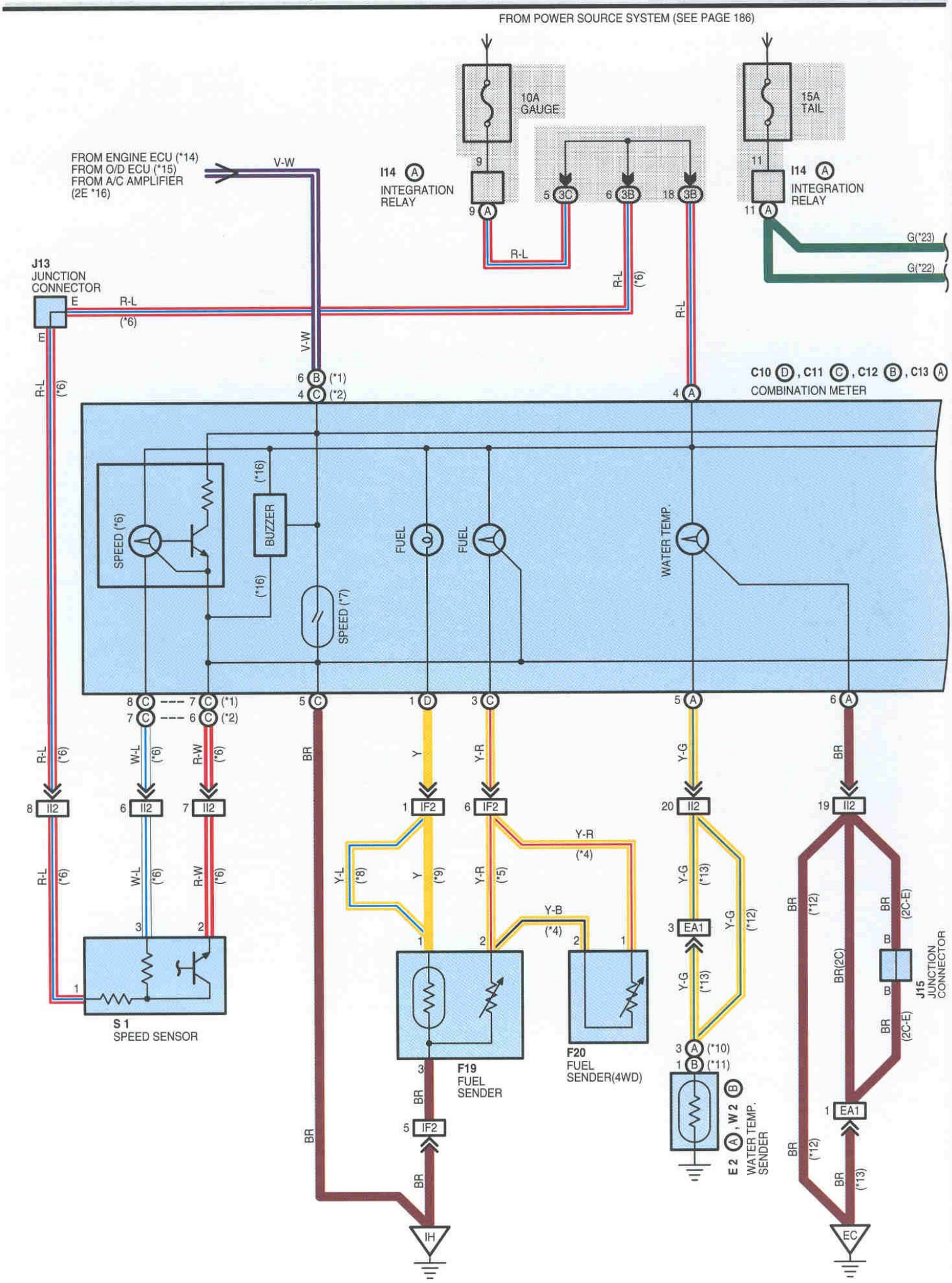
(L/B, H/B) R14 (A) BLACK

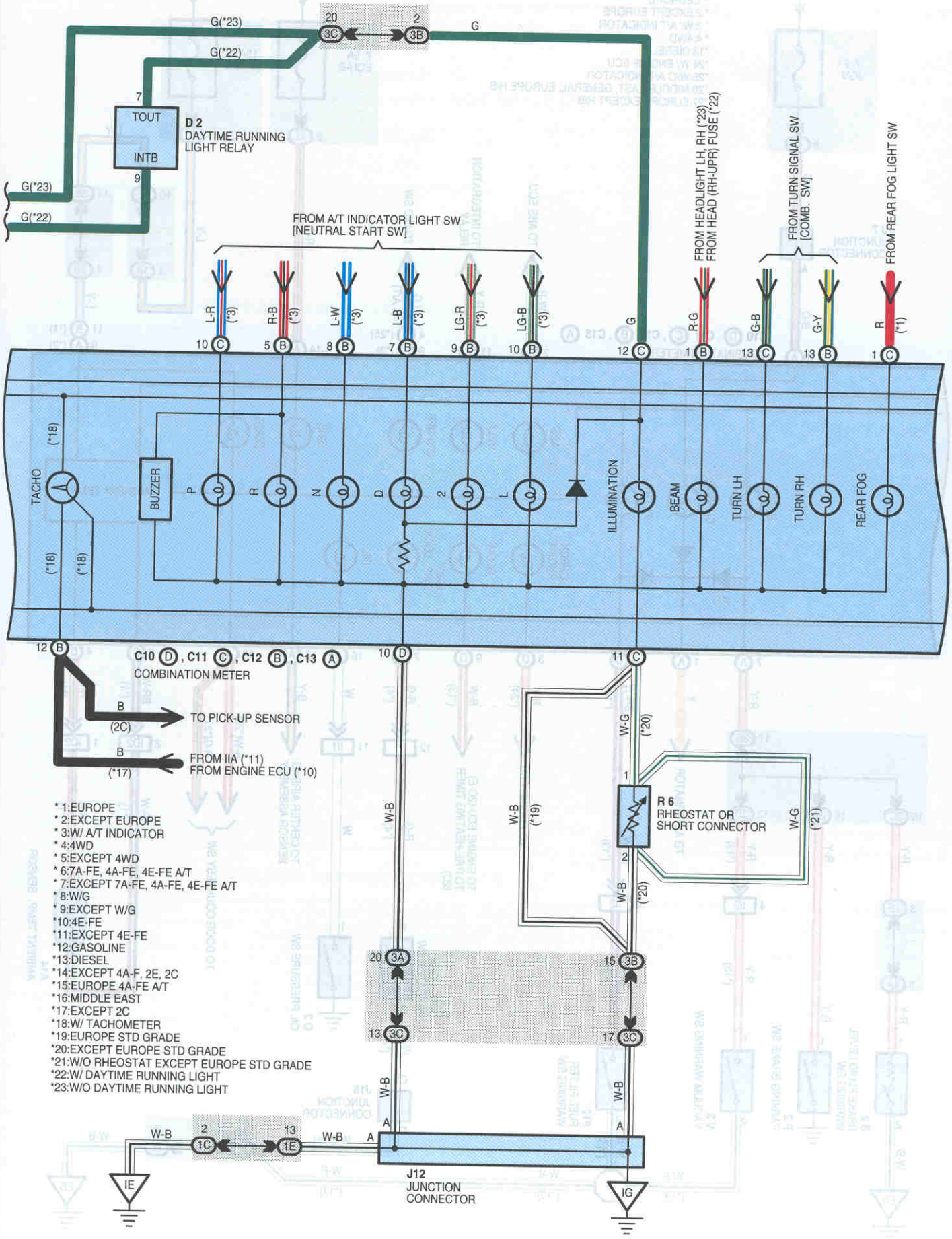
R15 (B) BLACK

R19, R20



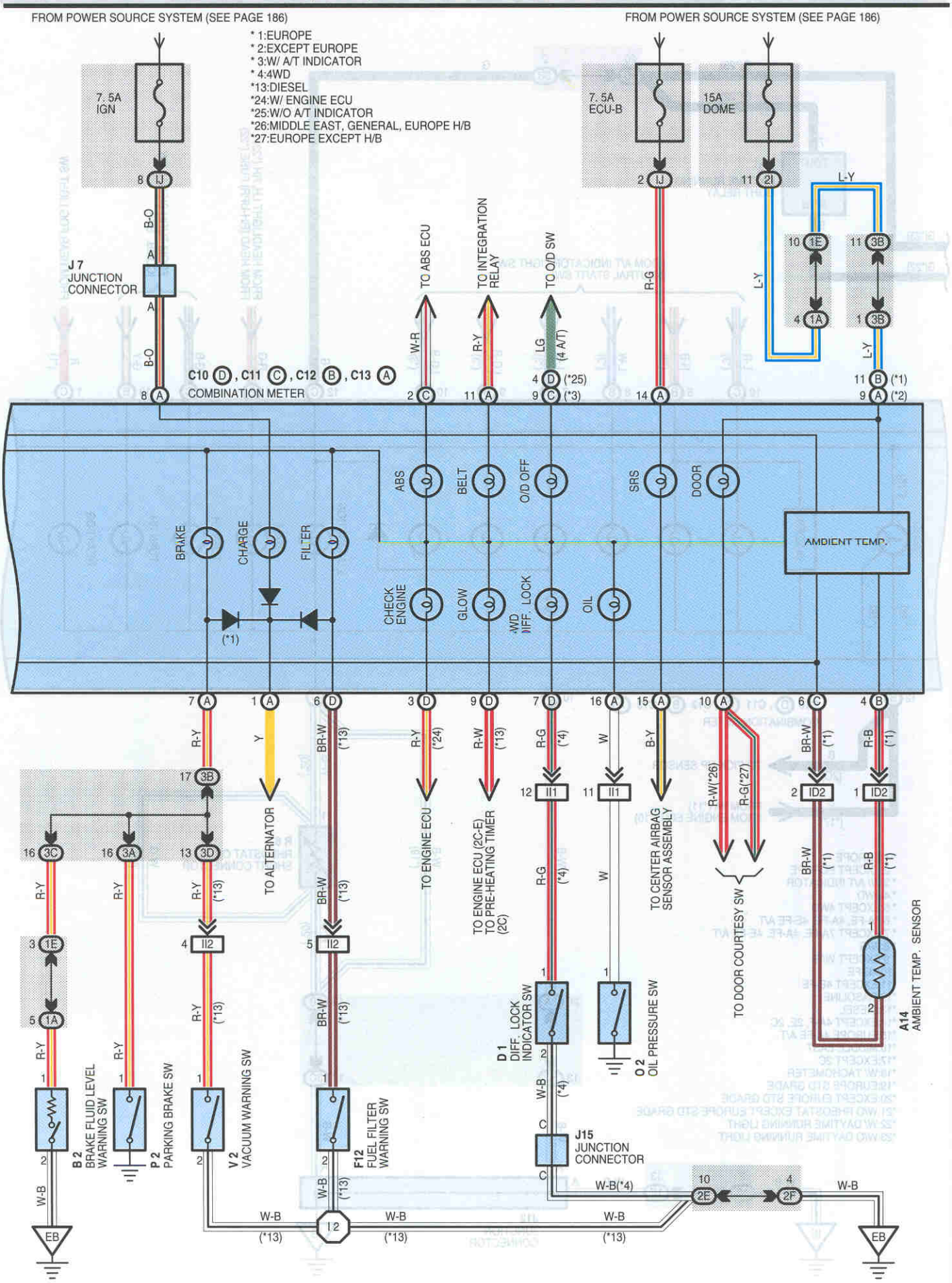
COMBINATION METER(LHD)





* 1:EUROPE
* 2:EXCEPT EUROPE
* 3:W/ A/T INDICATOR
* 4:4WD
* 5:EXCEPT 4WD
* 6:7A-FE, 4A-FE, 4E-FE A/T
* 7:EXCEPT 7A-FE, 4A-FE, 4E-FE A/T
* 8:W/G
* 9:EXCEPT W/G
*10:4E-FE
*11:EXCEPT 4E-FE
*12:GASOLINE
*13:DIESEL
*14:EXCEPT 4A-F, 2E, 2C
*15:EUROPE 4A-FE A/T
*16:MIDDLE EAST
*17:EXCEPT 2C
*18:W/ TACHOMETER
*19:EUROPE STD GRADE
*20:EXCEPT EUROPE STD GRADE
*21:W/O RHEOSTAT EXCEPT EUROPE STD GRADE
*22:W/ DAYTIME RUNNING LIGHT
*23:W/O DAYTIME RUNNING LIGHT

COMBINATION METER(LHD)



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

O 2 OIL PRESSURE SW

1–GROUND: Opened with the oil pressure above approx. **20** kpa (**2.8** psi, **0.2** kg/cm^2)

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
A14		70 (LHD 7A–FE)
		72 (LHD 4A–FE)
		74 (LHD 4E–FE)
		78 (LHD 2E)
		80 (LHD 2C–E)
B 2		70 (LHD 7A–FE)
		72 (LHD 4A–FE)
		74 (LHD 4E–FE)
		76 (LHD 4A–F)
		78 (LHD 2E)
		80 (LHD 2C–E)
		82 (LHD 2C)
C10	D	84 (LHD)
C11	C	84 (LHD)
C12	B	84 (LHD)
C13	A	84 (LHD)
D 1		70 (LHD 7A–FE)

Code		See Page
D 2		84 (LHD)
E 2	A	74 (LHD 4E–FE)
F12		80 (LHD 2C–E)
		82 (LHD 2C)
F19		88 (LHD S/D)
		90 (LHD L/B)
		92 (LHD H/B)
		94 (LHD W/G)
F20		94 (LHD W/G)
I14	A	84 (LHD)
J 7		86 (LHD)
J12		86 (LHD)
J13		86 (LHD)
J15		86 (LHD)
O 2		70 (LHD 7A–FE)
		72 (LHD 4A–FE)
		74 (LHD 4E–FE)

Code		See Page
O 2		76 (LHD 4A–F)
		78 (LHD 2E)
		80 (LHD 2C–E)
		82 (LHD 2C)
P 2		86 (LHD)
R 6		86 (LHD)
S 1		70 (LHD 7A–FE)
		72 (LHD 4A–FE)
		74 (LHD 4E–FE)
V 2		80 (LHD 2C–E)
		82 (LHD 2C)
W 2	B	70 (LHD 7A–FE)
		72 (LHD 4A–FE)
		76 (LHD 4A–F)
		78 (LHD 2E)
		80 (LHD 2C–E)
		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		

: 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)	
	128 (LHD 2C–E)	
	130 (LHD 2C)	
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH

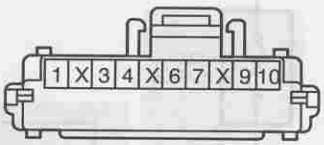
: SPLICE POINTS

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

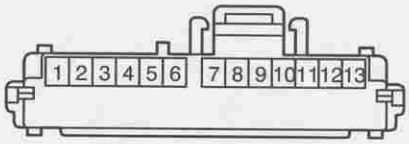
A14 BLACK

B 2

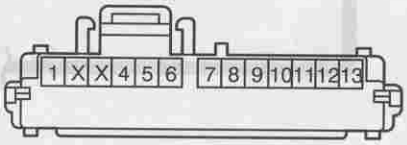
C10 (D) GRAY



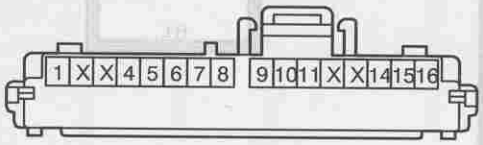
C11 (C) BLUE



C12 (B)

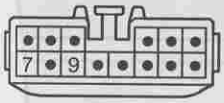


C13 (A)

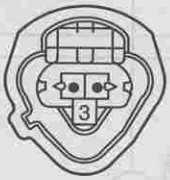


D 1 GRAY

D 2 BLUE



E 2 (A) DARK GRAY

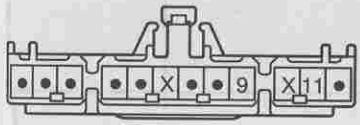


F12 GRAY

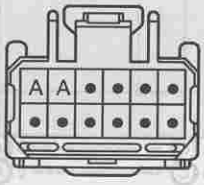
F19 DARK GRAY

F20

I14 (A)

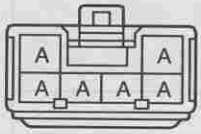


J 7



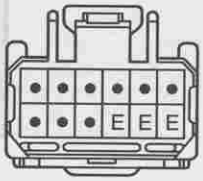
(Hint:See Page 7, 23, 39)

J12



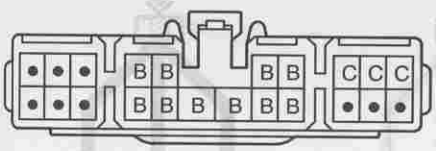
(Hint:See Page 7, 23, 39)

J13 BLACK



(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

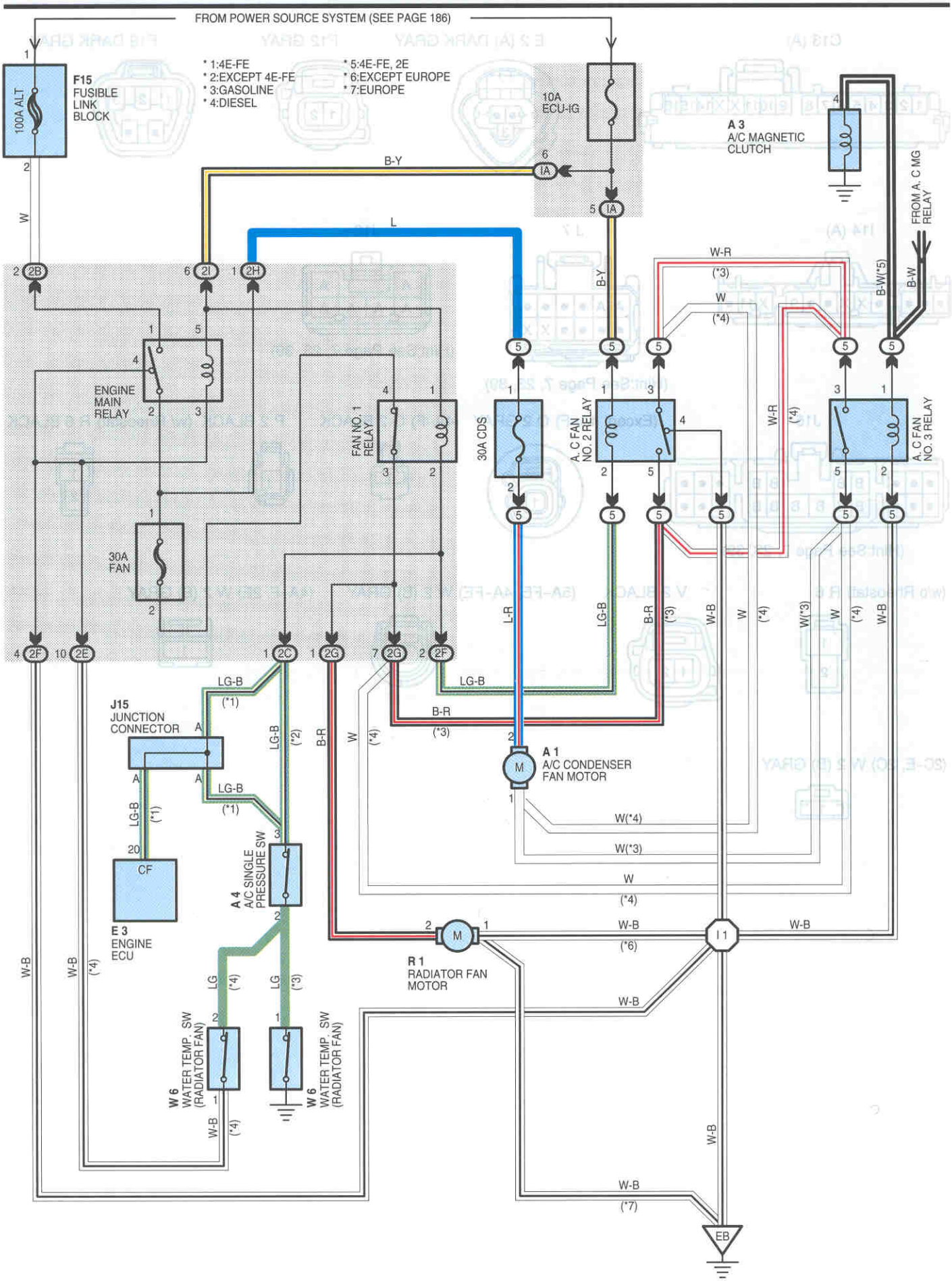
V 2 BLACK

(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)



SYSTEM OUTLINE

FAN MOTOR OPERATION

When the ignition SW is turned on, current from the **ECU-IG** fuse flows to the FAN NO.1 relay (Coil side) and the A.C FAN NO.2 relay (Coil side) to **TERMINAL 3** of the A/C single pressure SW to **TERMINAL 2** to **TERMINAL 1** (Gasoline) or **TERMINAL 2** (Diesel) of the water temp. SW (Radiator fan) to **GROUND**, and the FAN NO.1 relay is turned off and the A.C FAN NO.2 relay is turned on.

At the same time that this current flows, current from the **ECU-IG** fuse flows to the ENGINE MAIN relay (Coil side) to **GROUND**, causing the ENGINE MAIN relay to turned on. As a result, current from the **ALT** fuse flows to the **CDS** fuse and **FAN** fuse.

* Low speed operation (Gasoline)
  When the ignition SW is turned on and the A/C is activated, current flows from the A.C MG relay (Point side) to the A.C FAN NO.3 relay (Coil side) to **GROUND**, causing the A.C FAN NO.3 relay to turn on. As a result, current from the **CDS** fuse flows to **TERMINAL 2** of the A/C condenser fan motor to **TERMINAL 1** to the A.C FAN NO.3 relay (Point side) to the A.C FAN NO.2 relay (Point side) to **TERMINAL 2** of the radiator fan motor to **TERMINAL 1** to **GROUND**. As a result, the fans are activated at low speed.
  If the engine coolant temperature is approx. **90**°C (**194**°F) or less, and the refrigerant pressure is approx. **15.5** kg/cm^2 (**220** psi, **1520** kpa) or less, both the water temp. SW (Radiator fan) and the A/C single pressure SW are closed, so that the FAN NO.1 relay is turned off and the A.C FAN NO.2 relay is turned on. As a result, each fan motor operates at low speed.
* High speed operation(Gasoline)
  When, during A/C operation, the refrigerant pressure becomes higher than ordinary level (Approx. **15.5** kg/cm^2 (**220** psi, **1520** kpa)), the A/C single pressure SW is turned off. As a result, the FAN NO.1 relay is turned on and the A.C FAN NO.2 relay is turned off, and current flows from the **FAN** fuse to FAN NO.1 relay (Point side) to **TERMINAL 2** of the radiator fan motor to **TERMINAL 1** to **GROUND**, and current from the **CDS** fuse flows to **TERMINAL 2** of the A/C condenser fan motor to **TERMINAL 1** to A.C FAN NO.3 relay (Point side) to A.C FAN NO.2 relay (Point side) to **GROUND**, and the each fan motor in parallel, thus causing the fan motors to operate at high speed.
  Note that, because current flows in the same manner even if the engine coolant temperature is approx. **90**°C (**194**°F) or higher, the fan motors still operate at high speed.
* Low speed operation (Diesel)
  When the ignition SW is turned on and the A/C is activated, current flows from the A.C MG relay (Point side) to the A.C FAN NO.3 relay (Coil side) to **GROUND**, causing the A.C FAN NO.3 relay to turn on. As a result, current from the **CDS** fuse flows to **TERMINAL 2** of the A/C condenser fan motor to **TERMINAL 1** to the A.C FAN NO.2 relay (Point side) the A.C FAN NO.3 relay (Point side) to **TERMINAL 2** of the radiator fan motor to **TERMINAL 1** to **GROUND**. As a result, the fans are activated at low speed.
  If the engine coolant temperature is approx. **90**°C (**194**°F) or less, and the refrigerant pressure is approx. **15.5** kg/cm^2 (**220** psi, **1520** kpa) or less, both the water temp. SW (Radiator fan) and the A/C single pressure SW are closed, so that the FAN NO.1 relay is turned off and the A.C FAN NO.2 relay is turned on. As a result, each fan motor operates at low speed.
* High speed operation(Diesel)
  When, during A/C operation, the refrigerant pressure becomes higher than ordinary level (Approx. **15.5** kg/cm^2 (**220** psi, **1520** kpa)), the A/C single pressure SW is turned off. As a result, the FAN NO.1 relay is turned on and the A.C FAN NO.2 relay is turned off, and current flows from the **FAN** fuse to FAN NO.1 relay (Point side) to **TERMINAL 2** of the radiator fan motor to **TERMINAL 1** to **GROUND**, and current from the **CDS** fuse flows to **TERMINAL 2** of the A/C condenser fan motor to **TERMINAL 1** to A.C FAN NO.2 relay (Point side) to **GROUND**, and the each fan motor in parallel, thus causing the fan motors to operate at high speed.
  Note that, because current flows in the same manner even if the engine coolant temperature is approx. **90**°C (**194**°F) or higher, the fan motors still operate at high speed.

SERVICE HINTS

A 4 A/C SINGLE PRESSURE SW

3-2: Open above approx. **15.5** kg/cm^2 (**220** psi, **1520** kpa)
Close below approx. **12.5** kg/cm^2 (**178** psi, **1226** kpa)

W 6 WATER TEMP. SW (RADIATOR FAN)

point: Open above approx. **90**°C (**194**°F)
Closed below approx. **83**°C (**181.4**°F)

: 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)	F15	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)		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)
IA	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)	

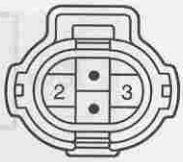
: SPLICE POINTS

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

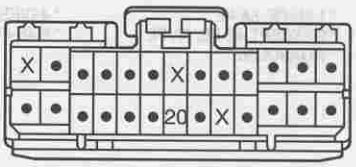
A 1 BLACK

A 3 GRAY

A 4 BLACK



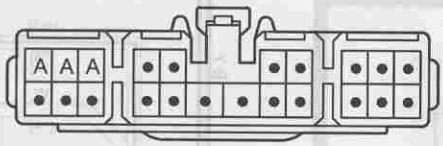
E 3 DARK GRAY



F15

(See Page 64)

J15

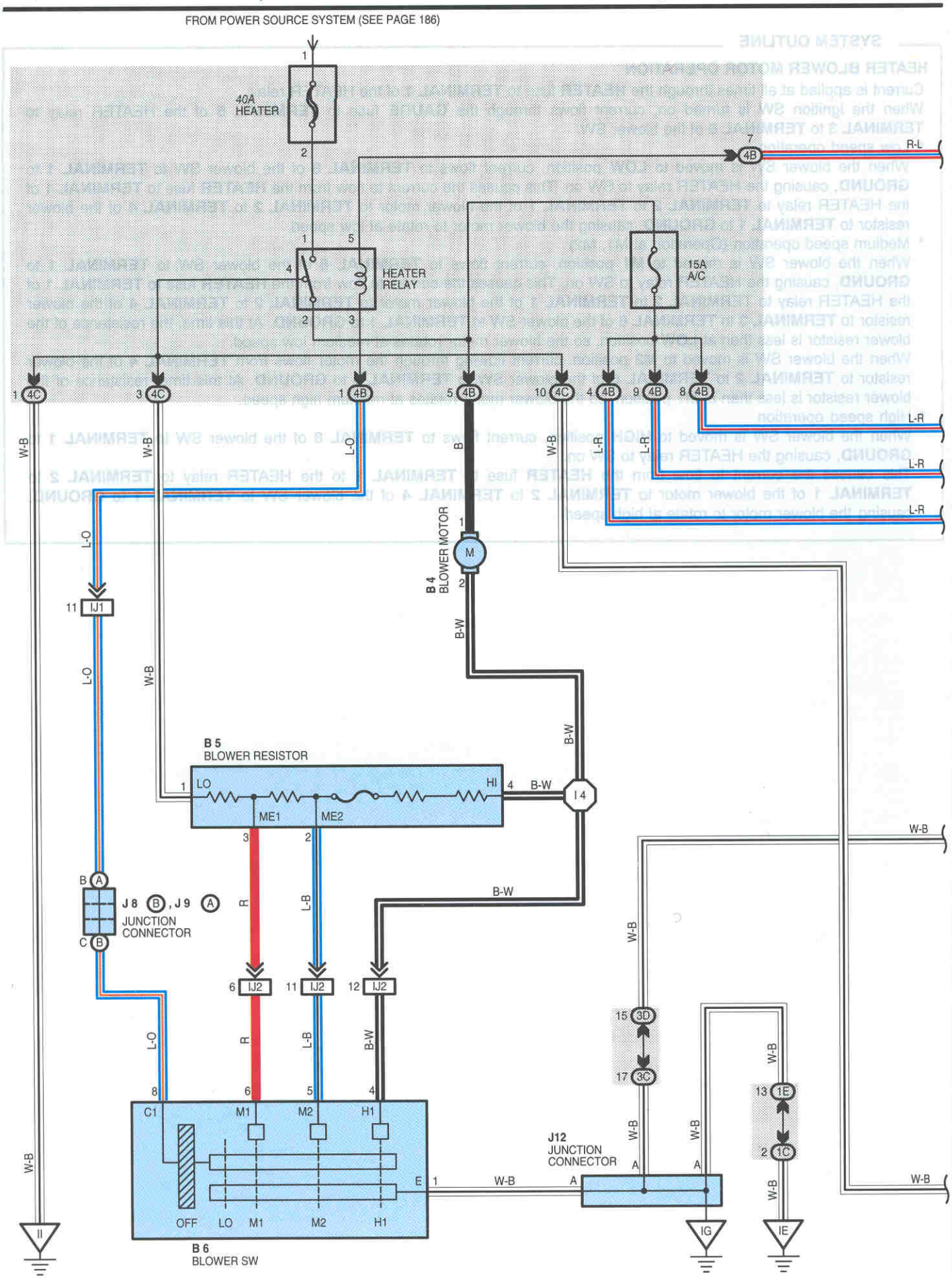


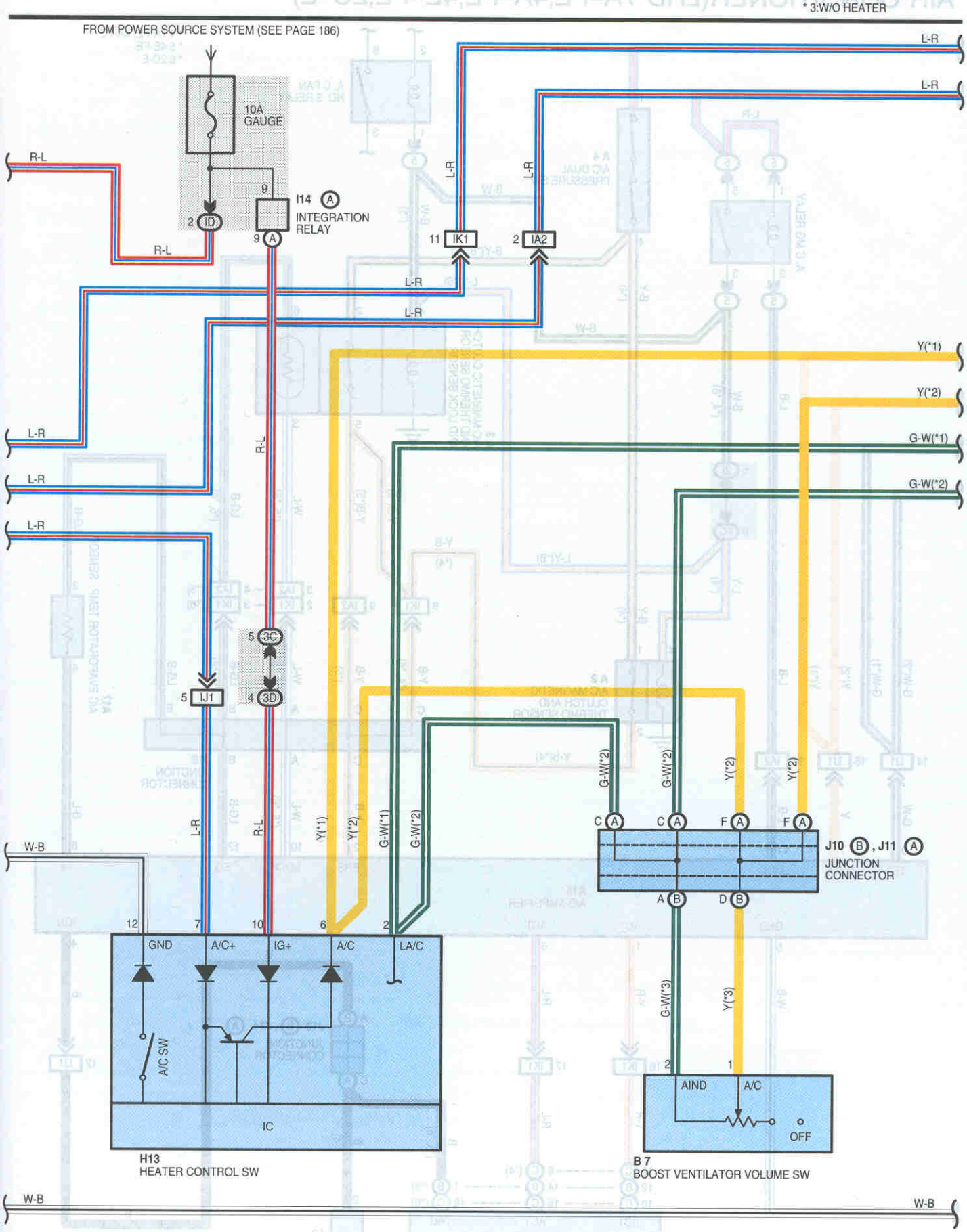
(Hint:See Page 7, 23, 39)

R 1 GRAY

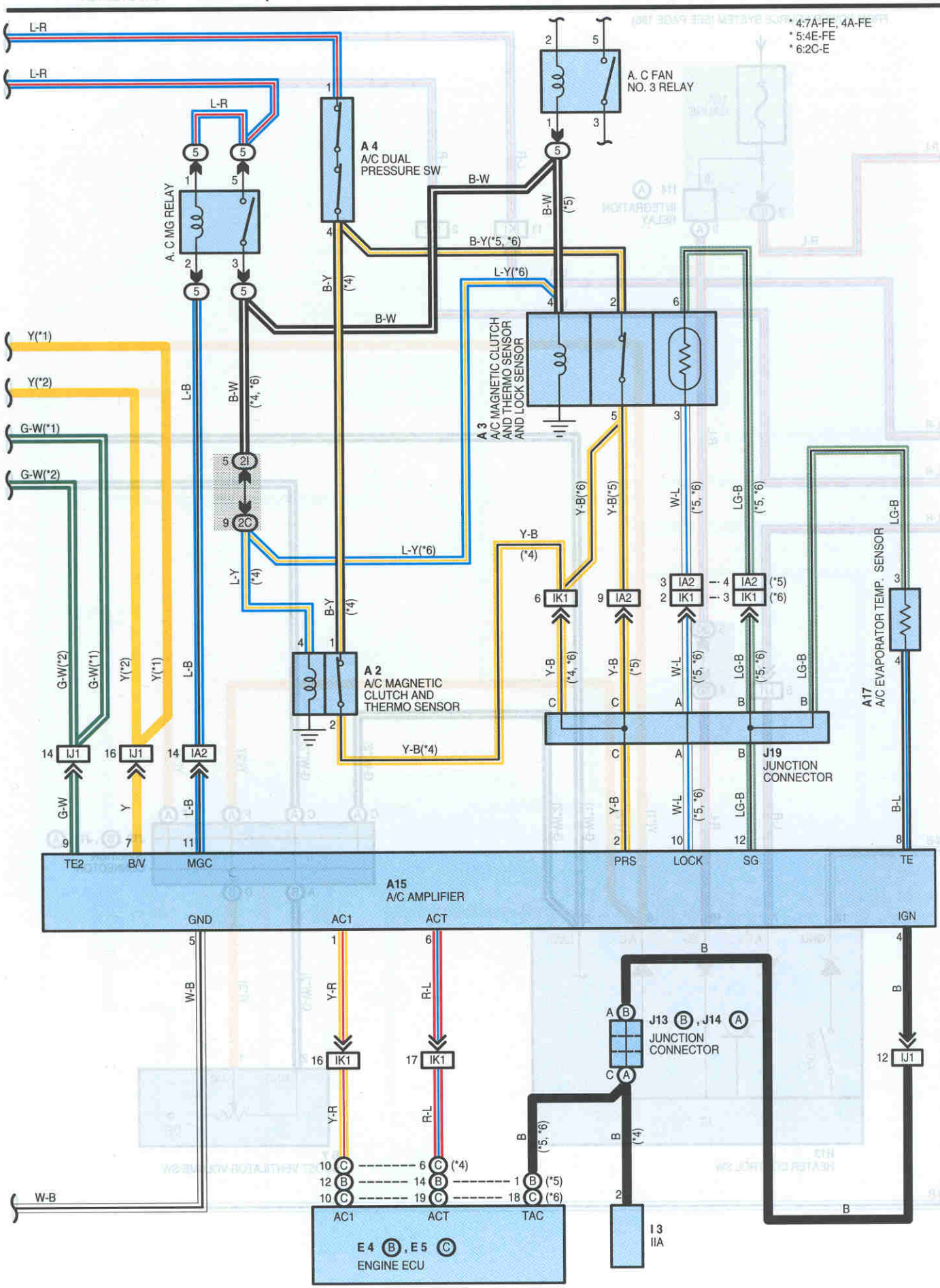
(Gasoline) W 6 GRAY

(Diesel) W 6 GRAY


FROM POWER SOURCE SYSTEM (SEE PAGE 186)
40A HEATER
HEATER RELAY
15A A/C
B 4 BLOWER MOTOR
B 5 BLOWER RESISTOR
LO
HI
ME1
ME2
J8 B, J9 A JUNCTION CONNECTOR
IJ1
IJ2
J12 JUNCTION CONNECTOR
B 6 BLOWER SW
OFF
LO
M1
M2
H1
C1
E
IG
IE
II
R-L
L-R
L-O
W-B
B-W
R
L-B


* 1:EUROPE
* 2:EXCEPT EUROPE
* 3:W/O HEATER
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
GAUGE
R-L
L-R
I14 (A)
INTEGRATION
RELAY
IK1
IA2
Y(*1)
Y(*2)
G-W(*1)
G-W(*2)
3C
3D
IJ1
W-B
J10 (B), J11 (A)
JUNCTION
CONNECTOR
G-W(*3)
Y(*3)
GND
A/C+
IG+
A/C
LA/C
A/C SW
IC
H13
HEATER CONTROL SW
AIND
A/C
OFF
B 7
BOOST VENTILATOR VOLUME SW

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/cm^2 (**28.4** psi, **196** kpa) or above **32** kg/cm^2 (**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)

: 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

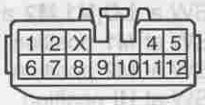
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 4	134 (LHD)	Cowl Wire			

A 2 GRAY

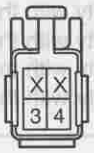
A 3 GRAY

A 4 BLACK

A15 BLACK



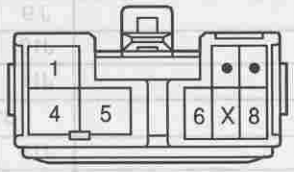
A17



B 4 BLACK

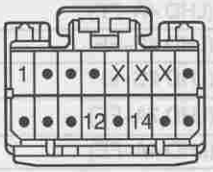
B 5 BLACK

B 6 BLACK

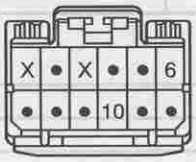


B 7 BLACK

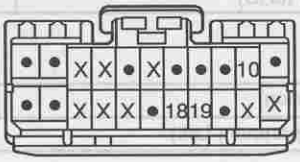
E 4 (B) DARK GRAY



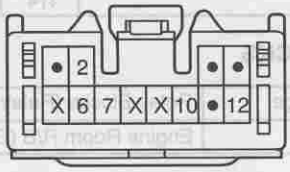
(7A-FE,4A-FE) E 5 (C) DARK GRAY



(2C-E) E 5 (C) DARK GRAY

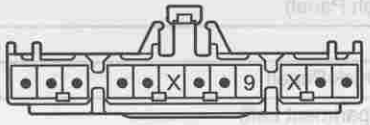


H13

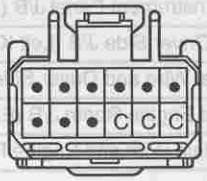


I 3 DARK GRAY

I14 (A)

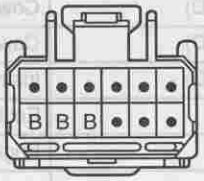


J 8 (B) GRAY



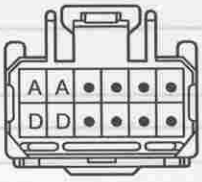
(Hint:See Page 7,23,39)

J 9 (A) GRAY



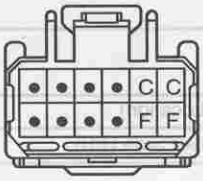
(Hint:See Page 7,23,39)

J10 (B)



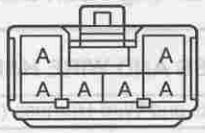
(Hint:See Page 7,23,39)

J11 (A)



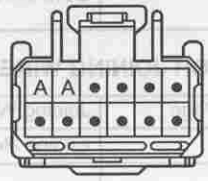
(Hint:See Page 7,23,39)

J12



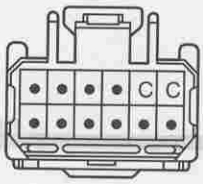
(Hint:See Page 7,23,39)

J13 (B) BLACK



(Hint:See Page 7,23,39)

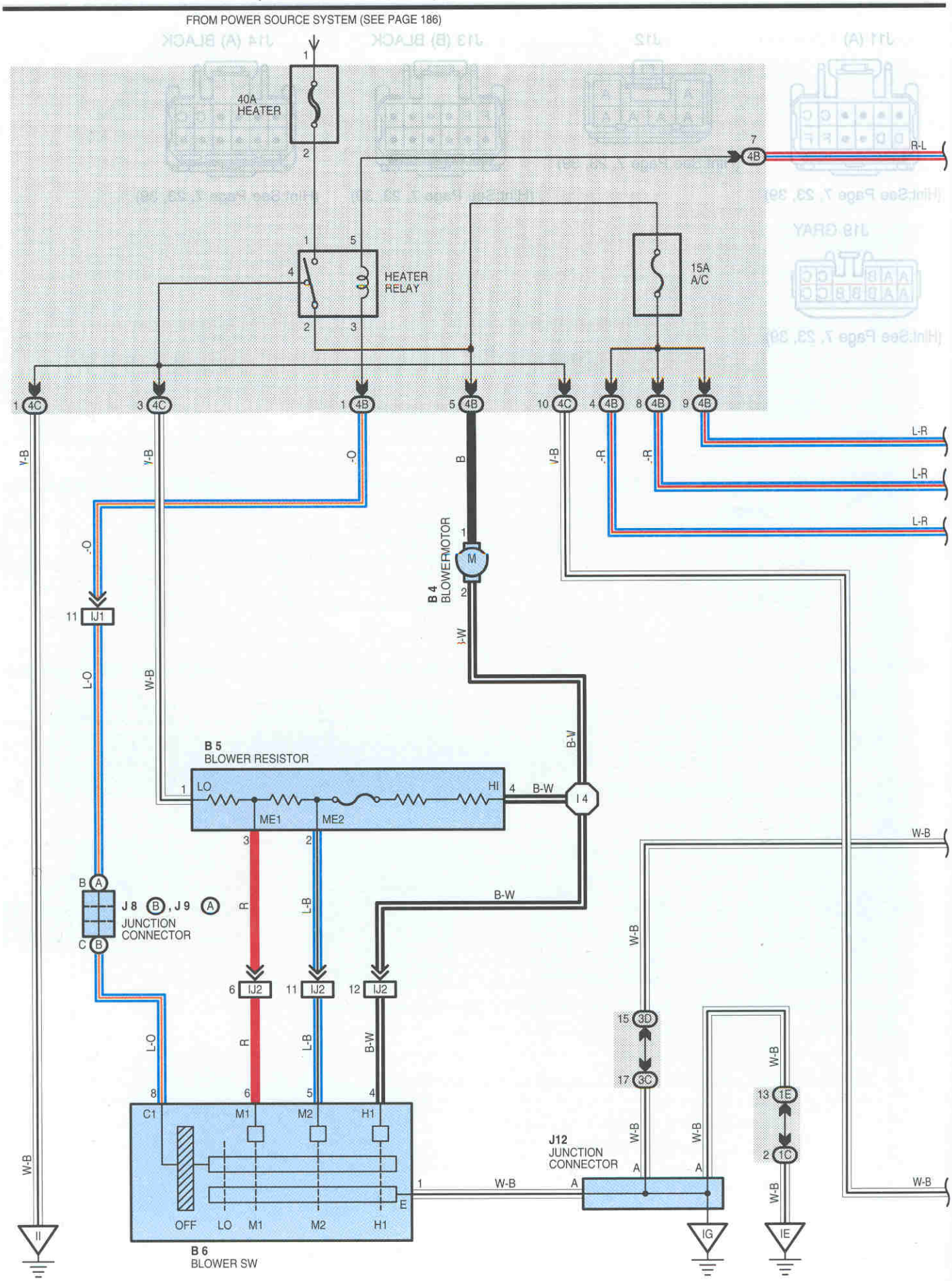
J14 (A) BLACK

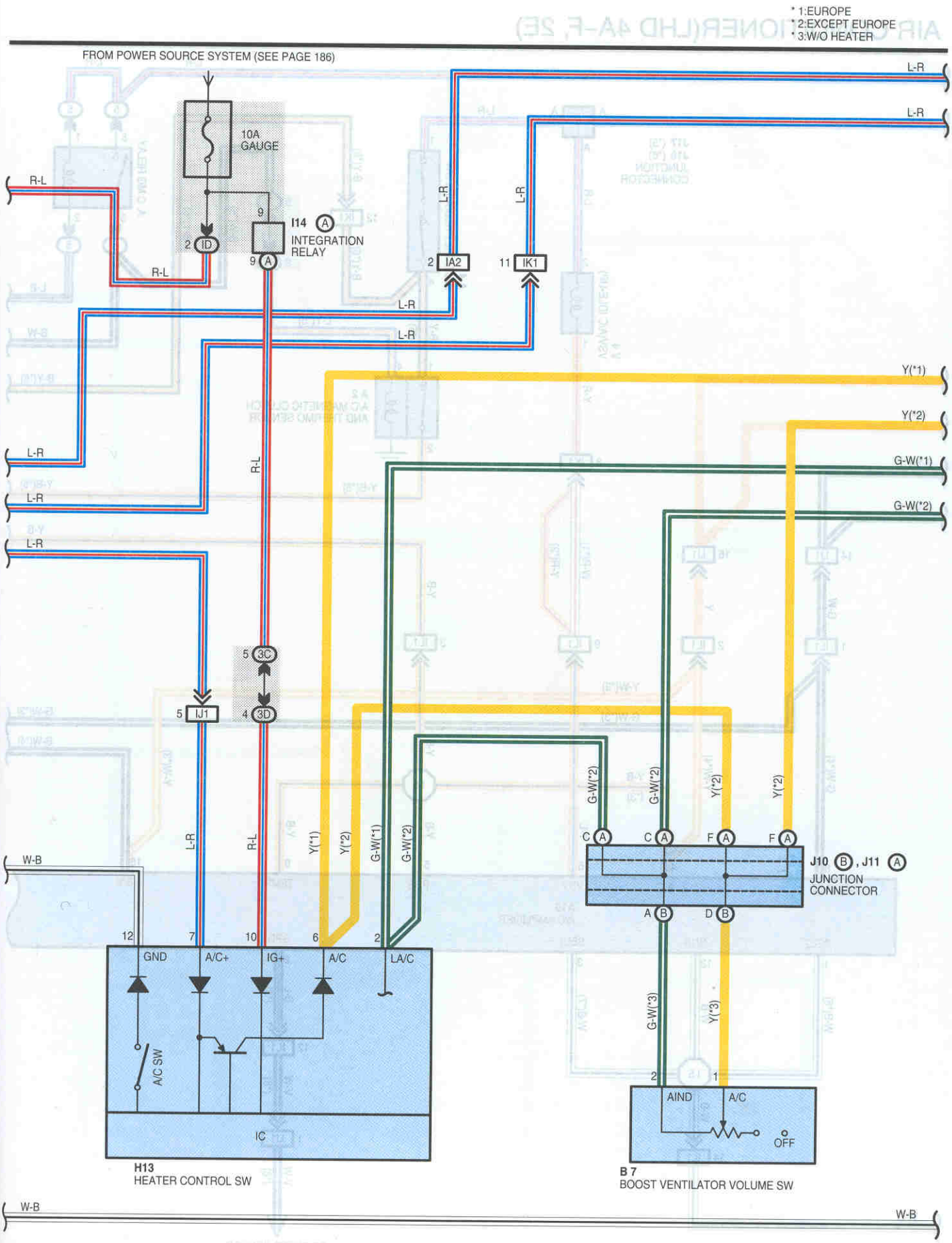


(Hint:See Page 7,23,39)

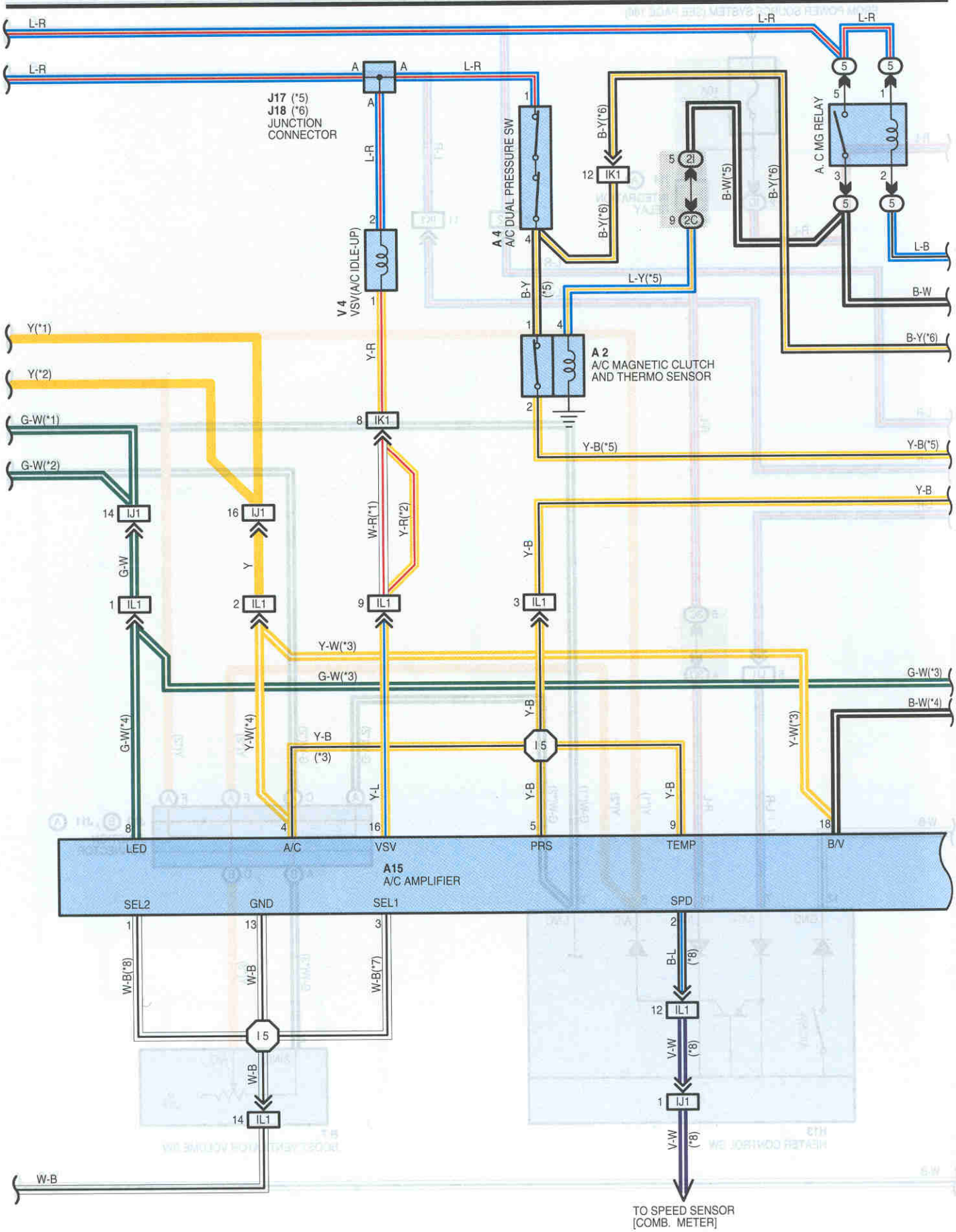
J19 GRAY

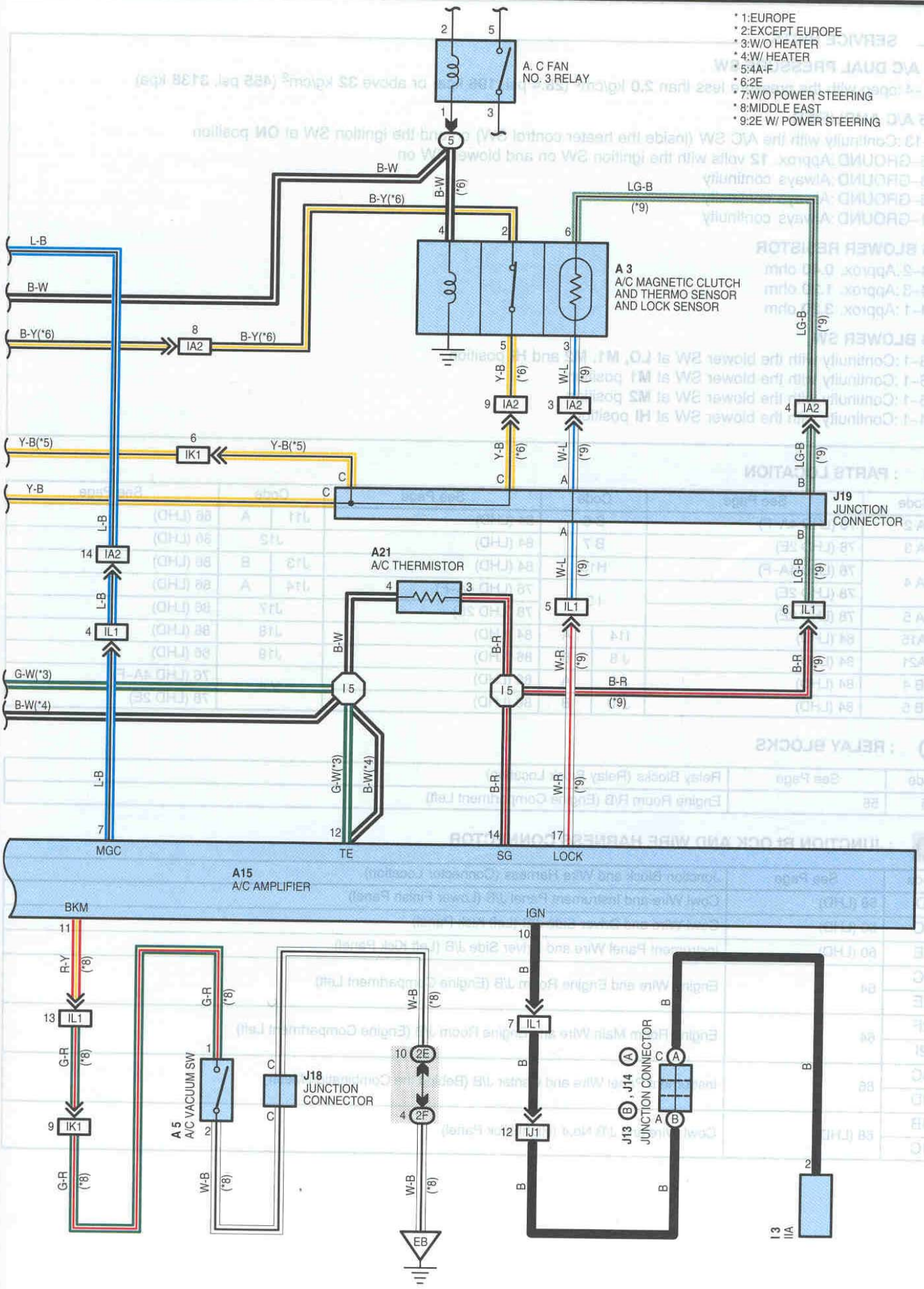
(Hint:See Page 7,23,39)


FROM POWER SOURCE SYSTEM (SEE PAGE 186)
40A
HEATER
HEATER
RELAY
15A
A/C
R-L
L-R
Y-B
L-O
W-B
B
B-W
B 4
BLOWERMOTOR
B 5
BLOWER RESISTOR
LO
HI
ME1
ME2
J 8 B , J 9 A
JUNCTION
CONNECTOR
R
L-B
J12
JUNCTION
CONNECTOR
C1
M1
M2
H1
OFF
LO
M1
M2
H1
B 6
BLOWER SW


* 1:EUROPE
* 2:EXCEPT EUROPE
* 3:W/O HEATER
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
GAUGE
R-L
2 ID
9
9 A
I14 A
INTEGRATION
RELAY
L-R
2 IA2
11 IK1
Y(*1)
Y(*2)
G-W(*1)
G-W(*2)
5 3C
4 3D
5 IJ1
W-B
12
7
10
6
2
GND
A/C+
IG+
A/C
LA/C
A/C SW
IC
H13
HEATER CONTROL SW
C A
C A
F A
F A
J10 B , J11 A
JUNCTION
CONNECTOR
A B
D B
G-W(*3)
Y(*3)
2
1
AIND
A/C
OFF
B 7
BOOST VENTILATOR VOLUME SW

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




* 1:EUROPE
* 2:EXCEPT EUROPE
* 3:W/O HEATER
* 4:W/ HEATER
* 5:4A-F
* 6:2E
* 7:W/O POWER STEERING
* 8:MIDDLE EAST
* 9:2E W/ POWER STEERING
A. C FAN NO. 3 RELAY
A 3
A/C MAGNETIC CLUTCH AND THERMO SENSOR AND LOCK SENSOR
J19
JUNCTION CONNECTOR
A21
A/C THERMISTOR
A15
A/C AMPLIFIER
MGC
TE
SG
LOCK
BKM
IGN
A 5
A/C VACUUM SW
J18
JUNCTION CONNECTOR
J13 (B), J14 (A)
JUNCTION CONNECTOR
EB
I3
IIA

SERVICE HINTS

A 4 A/C DUAL PRESSURE SW

1-4 :open with the pressure less than **2.0** kg/cm^2 (**28.4** psi, **196** kpa) or above **32** kg/cm^2 (**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

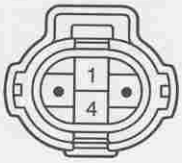
⬡ : SPLICE POINTS

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

A 2 GRAY

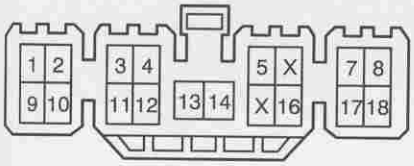
A 3 GRAY

A 4 BLACK

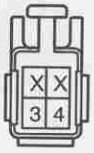


A 5 GRAY

A15 GREEN

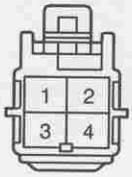


A21

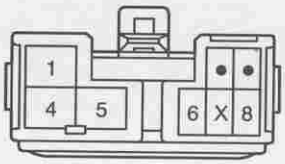


B 4 BLACK

B 5 BLACK

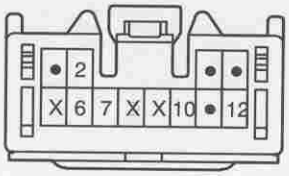


B 6 BLACK



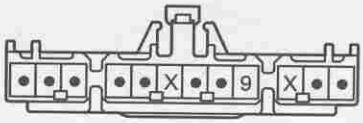
B 7 BLACK

H13

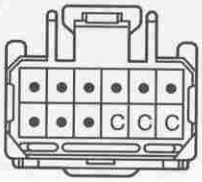


I 3 DARK GRAY

I14 (A)

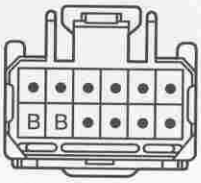


J 8 (B) GRAY



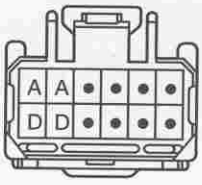
(Hint:See Page 7,23,39)

J 9 (A) GRAY



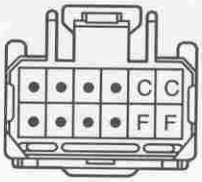
(Hint:See Page 7,23,39)

J10 (B)



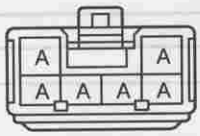
(Hint:See Page 7,23,39)

J11 (A)



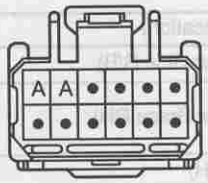
(Hint:See Page 7,23,39)

J12



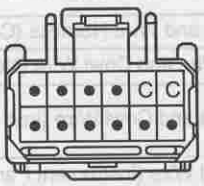
(Hint:See Page 7,23,39)

J13 (B) BLACK



(Hint:See Page 7,23,39)

J14 (A) BLACK

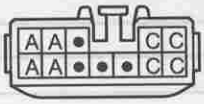


(Hint:See Page 7,23,39)

J17

(Hint:See Page 7,23,39)

J18



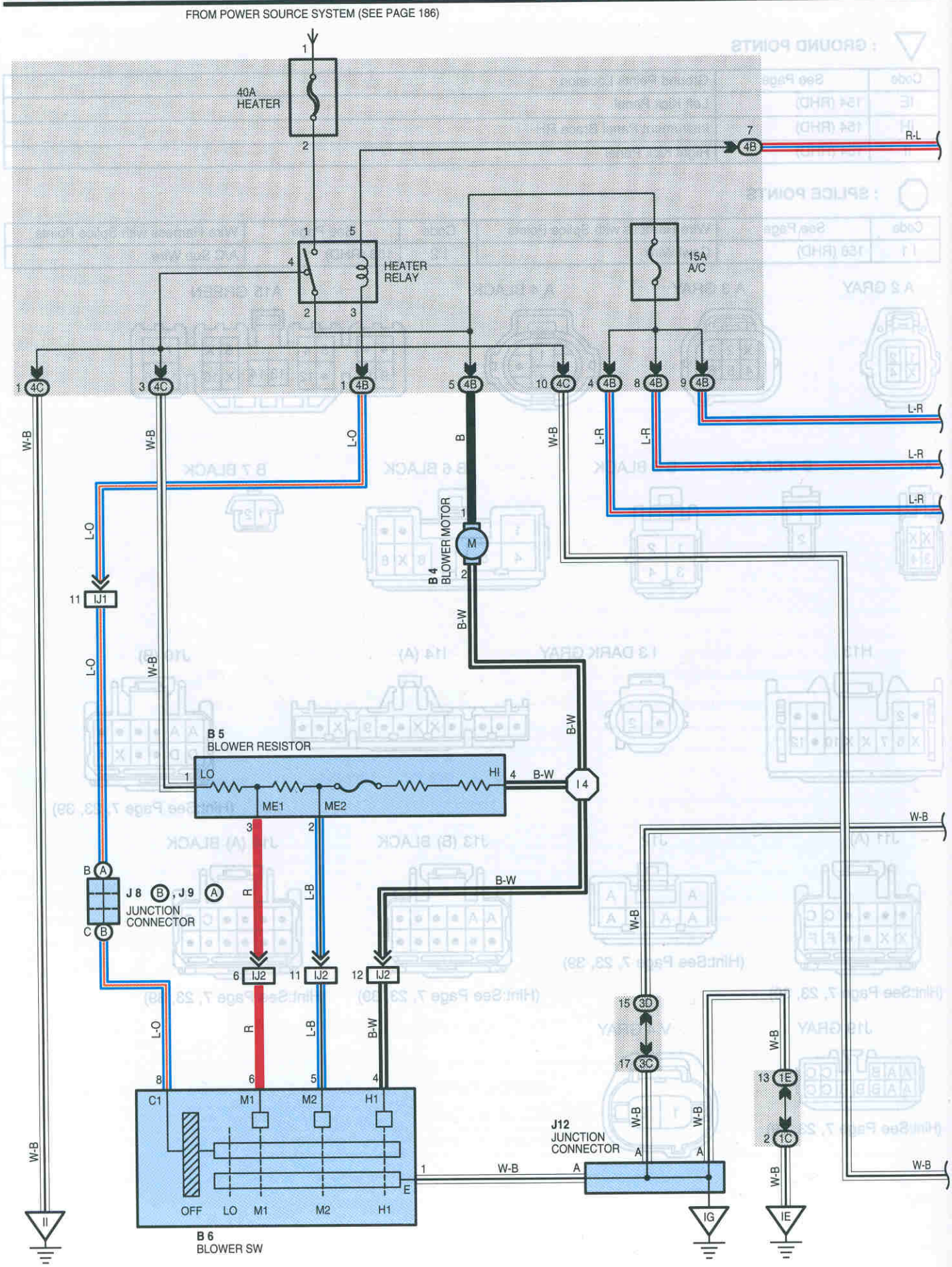
(Hint:See Page 7,23,39)

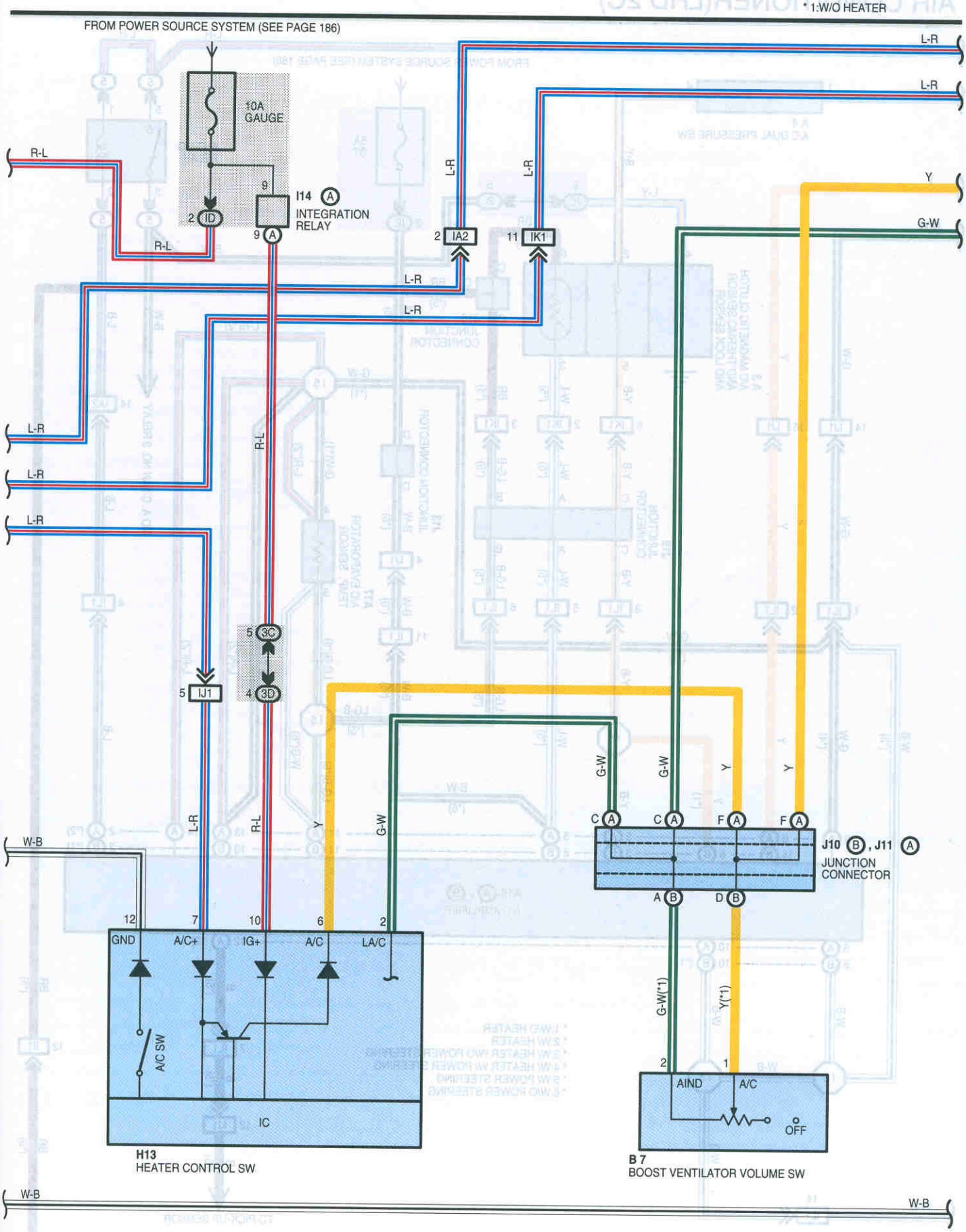
J19 GRAY

(Hint:See Page 7,23,39)

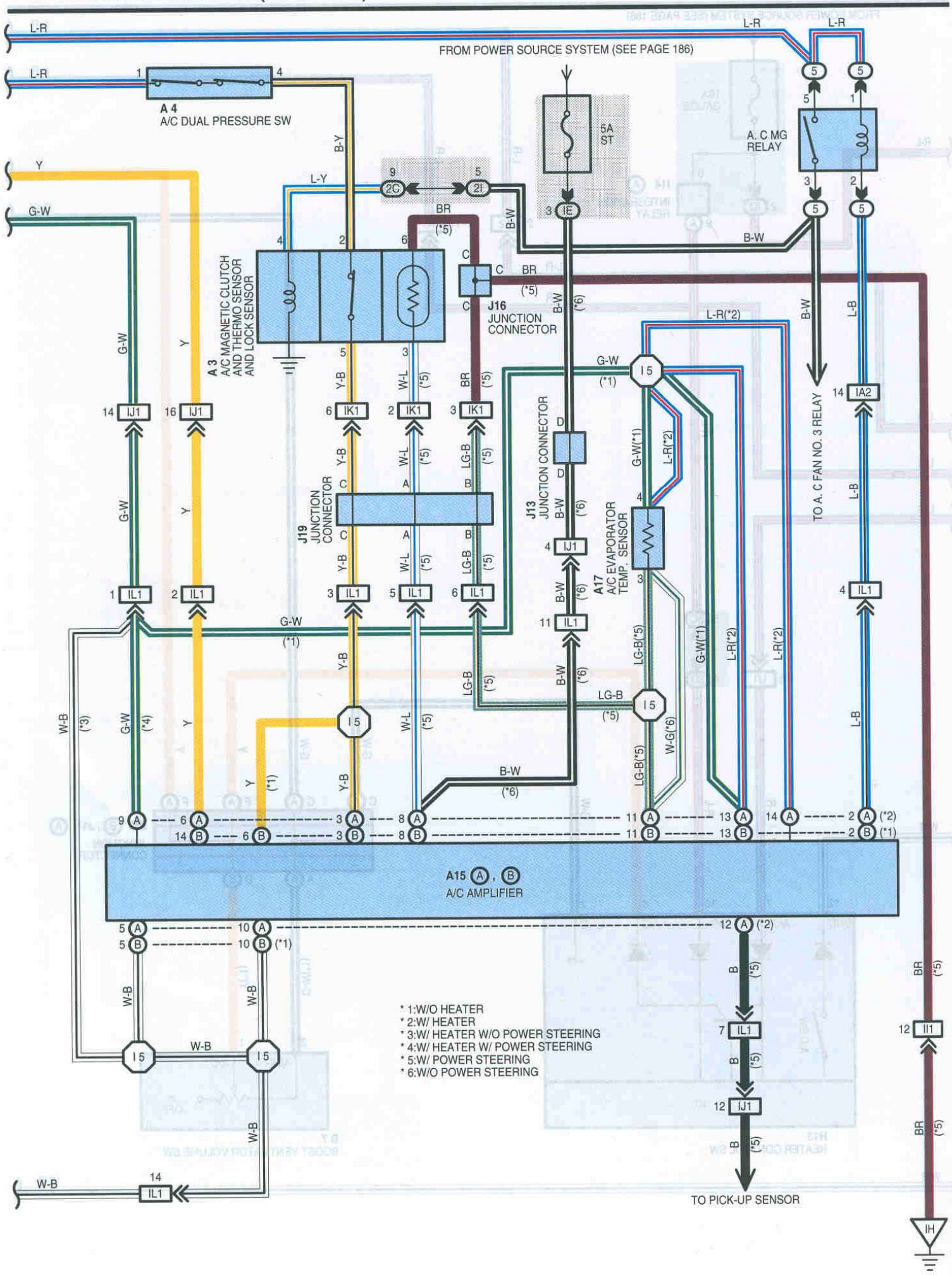
V 4 GRAY

AIR CONDITIONER(LHD 2C)




* 1:W/O HEATER
FROM POWER SOURCE SYSTEM (SEE PAGE 186)
10A
GAUGE
I14 (A)
INTEGRATION
RELAY
2 (D)
9 (A)
9
R-L
L-R
2 IA2
11 IK1
Y
G-W
5 (3C)
4 (3D)
5 IJ1
W-B
C (A)
F (A)
J10 (B), J11 (A)
JUNCTION
CONNECTOR
A (B)
D (B)
12
7
10
6
2
GND
A/C+
IG+
A/C
LA/C
A/C SW
IC
H13
HEATER CONTROL SW
G-W(*1)
Y(*1)
AIND
A/C
OFF
B 7
BOOST VENTILATOR VOLUME SW

AIR CONDITIONER(LHD 2C)



SERVICE HINTS

A 4 A/C DUAL PRESSURE SW

1–4 :open with the pressure less than **2.0** kg/cm^2 (**28.4** psi, **196** kpa) or above **32** kg/cm^2 (**455** psi, **3138** kpa)

A15 (A), (B) A/C AMPLIFIER

2–5 :Continuity with the A/C SW (inside the heater control SW) on and the ignition SW at **ON** position
5–GROUND :Always continuity
3–GROUND :Approx. **12** volts with the ignition SW on and blower SW on
10–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 3		82 (LHD 2C)	B 6		84 (LHD)	J11	A	86 (LHD)
A 4		82 (LHD 2C)	B 7		84 (LHD)	J12		86 (LHD)
A15	A	84 (LHD)	H13		84 (LHD)	J13		86 (LHD)
	B	84 (LHD)	I14	A	84 (LHD)	J16		86 (LHD)
A17		84 (LHD)	J 8	B	86 (LHD)	J19		86 (LHD)
B 4		84 (LHD)	J 9	A	86 (LHD)			
B 5		84 (LHD)	J10	B	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)
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)
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)
II1	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)
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

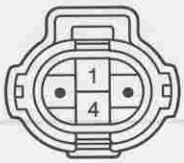
Code	See Page	Ground Points Location
IE	132 (LHD)	Left Kick Panel
IG	132 (LHD)	Instrument Panel Brace LH
IH	132 (LHD)	Instrument Panel Brace RH
II	132 (LHD)	Right Kick Panel

: SPLICE POINTS

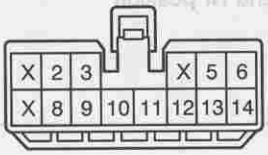
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 4	134 (LHD)	Cowl Wire	I 5	134 (LHD)	A/C Sub Wire

A 3 GRAY

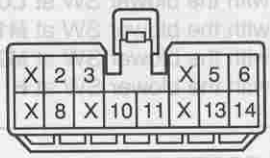
A 4 BLACK



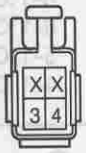
A15 (A)



A15 (B)

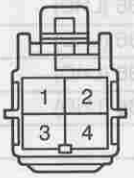


A17

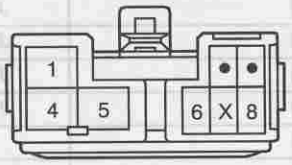


B 4 BLACK

B 5 BLACK

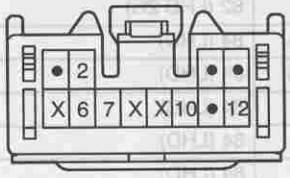


B 6 BLACK

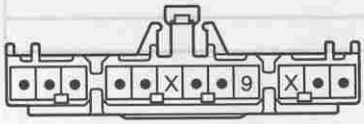


B 7 BLACK

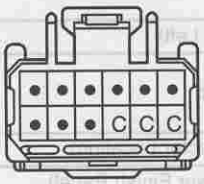
H13



I14 (A)

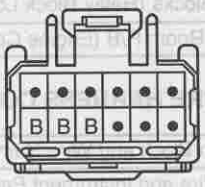


J 8 (B) GRAY



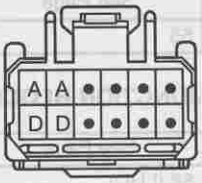
(Hint:See Page 7,23,39)

J 9 (A) GRAY



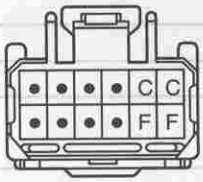
(Hint:See Page 7,23,39)

J10 (B)



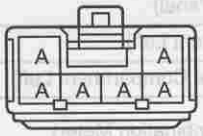
(Hint:See Page 7,23,39)

J11 (A)



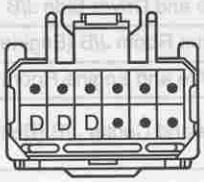
(Hint:See Page 7,23,39)

J12



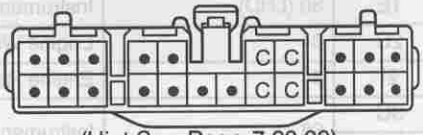
(Hint:See Page 7,23,39)

J13 BLACK



(Hint:See Page 7,23,39)

J16

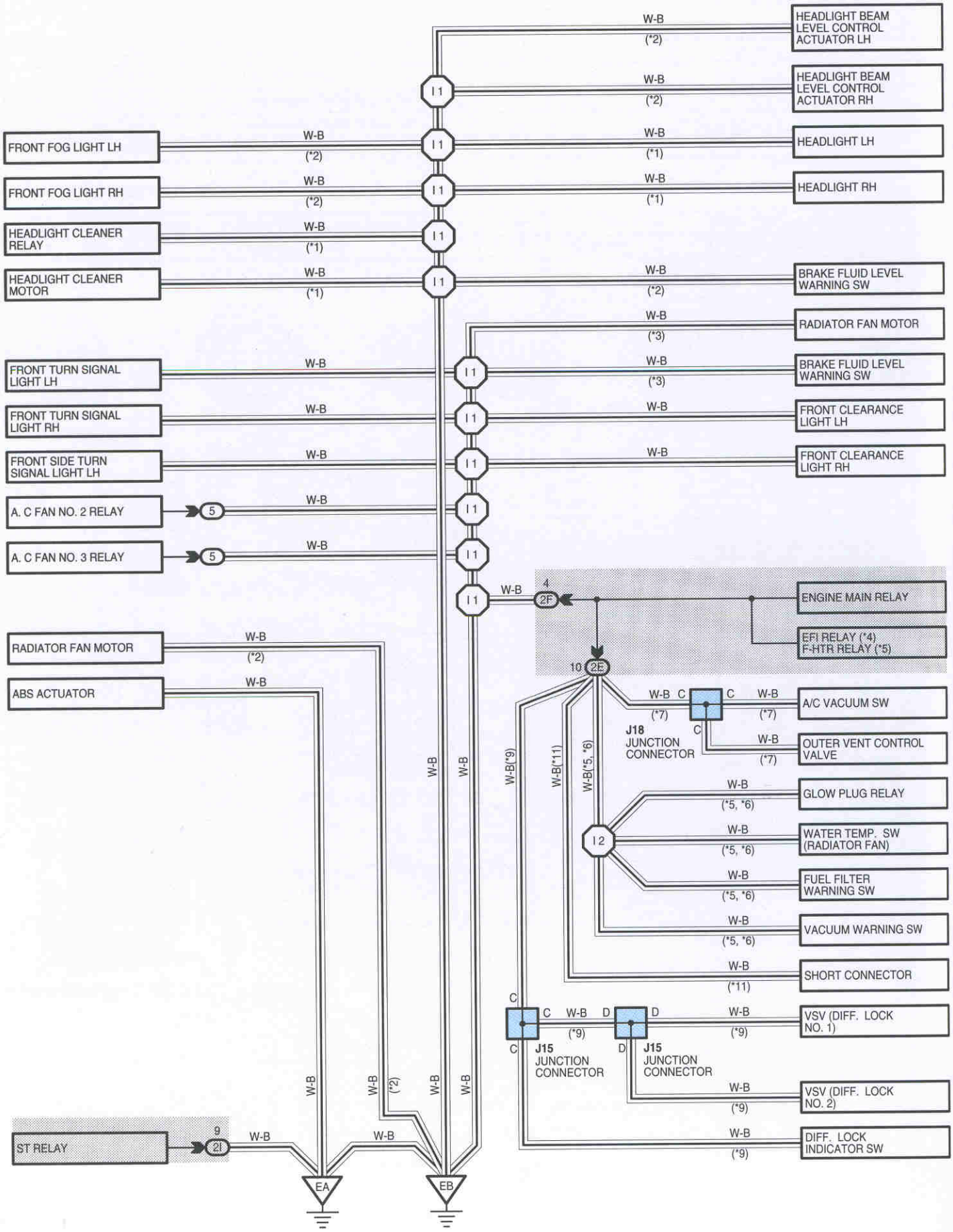


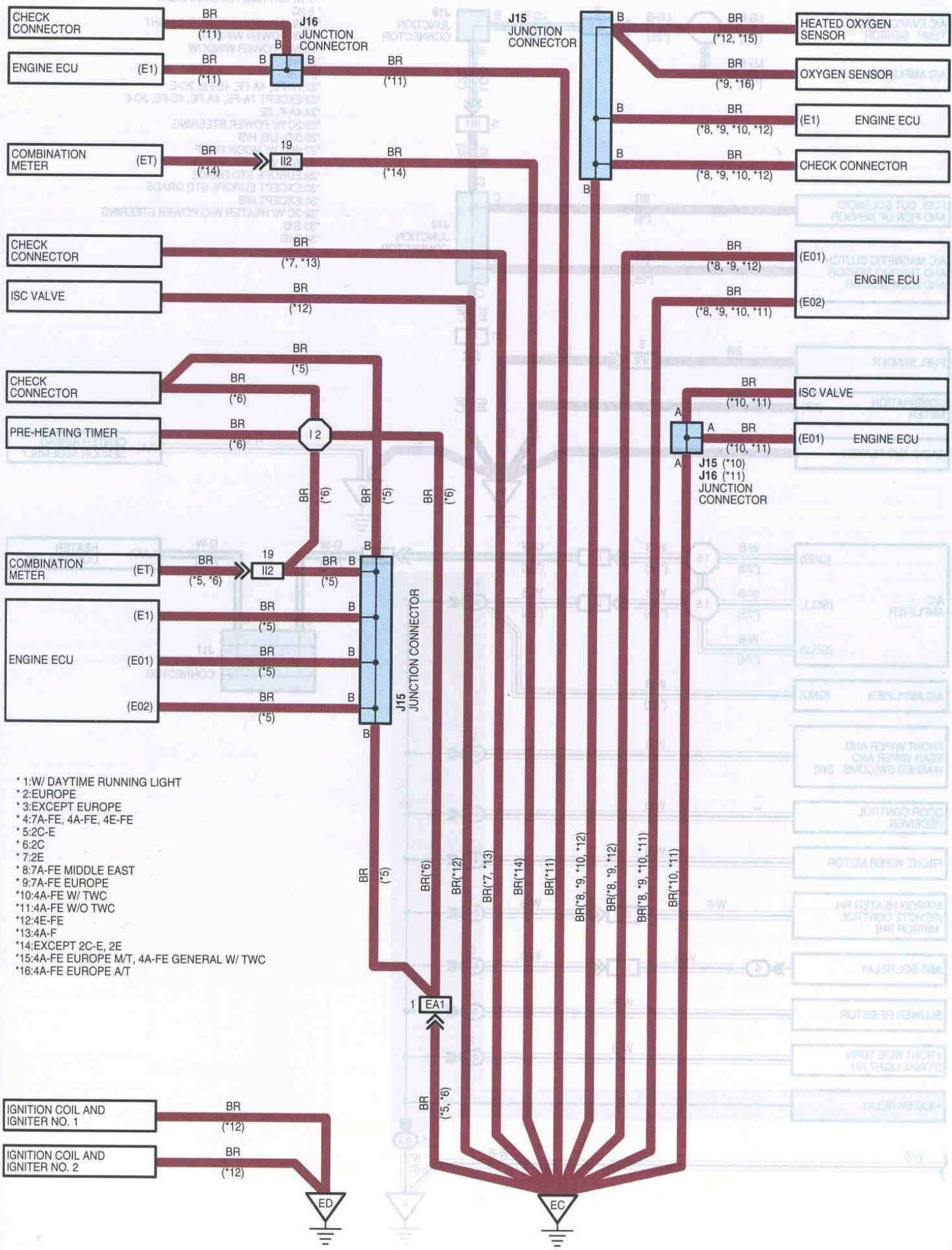
(Hint:See Page 7,23,39)

J19 GRAY

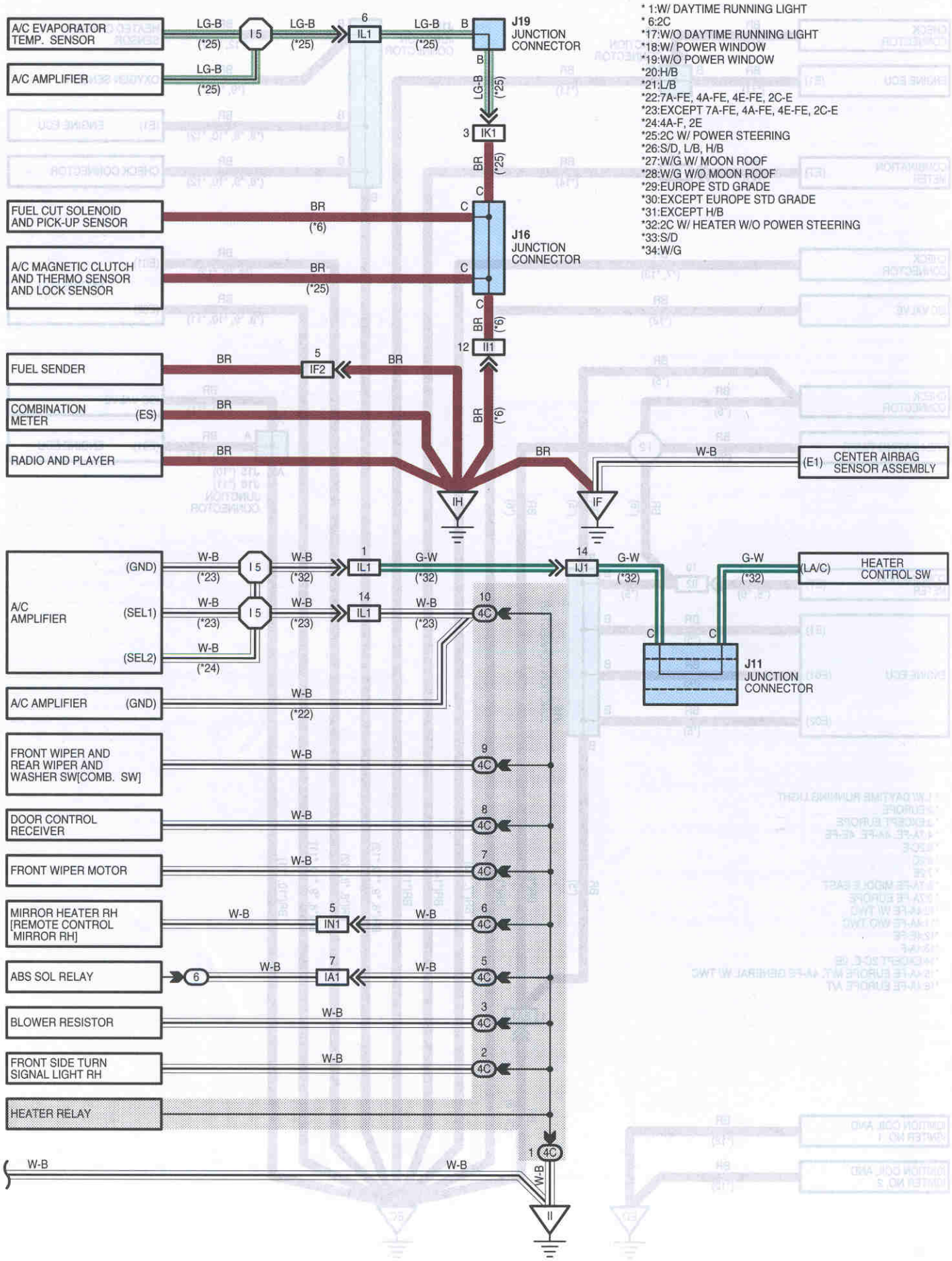
(Hint:See Page 7,23,39)

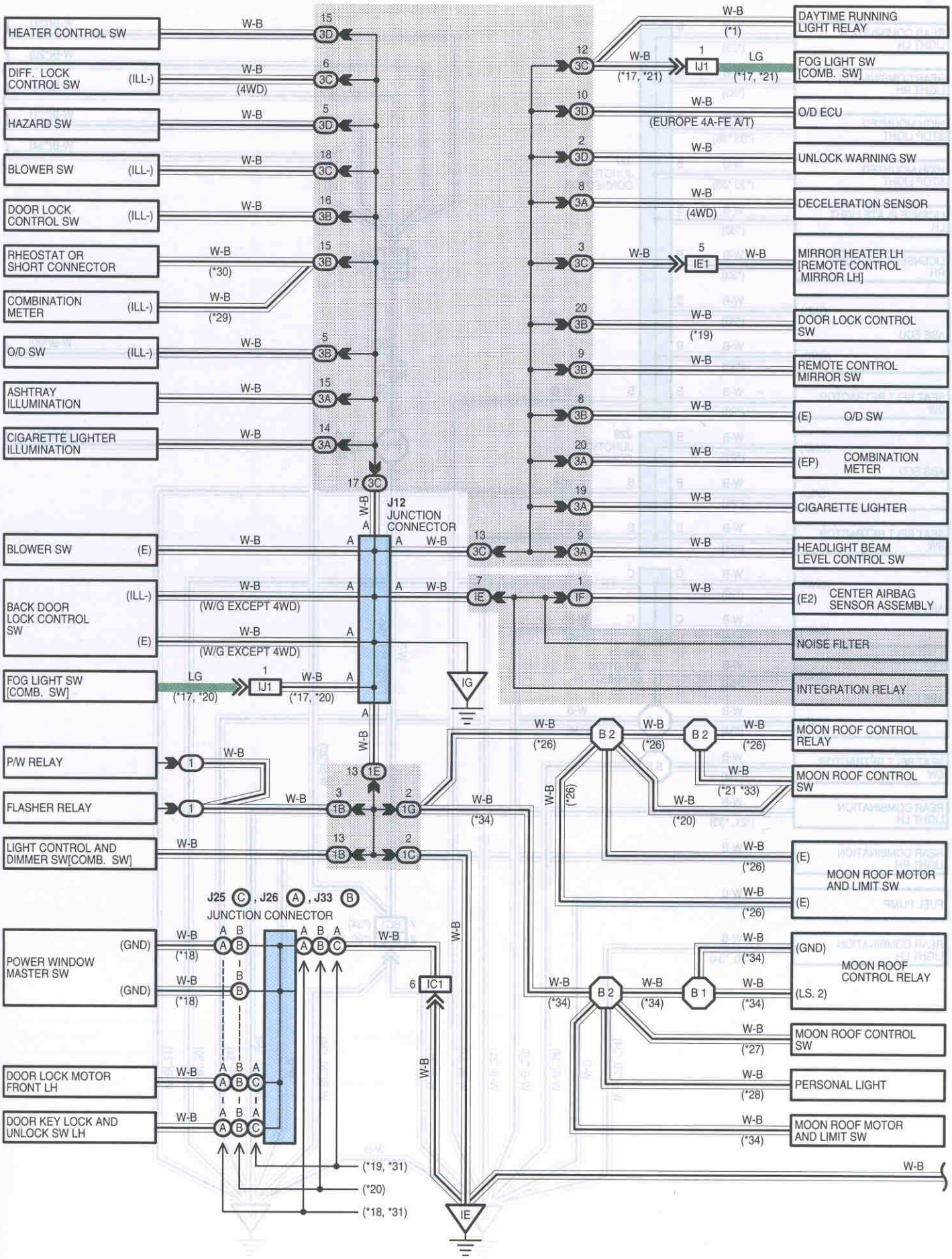
J GROUND POINT(LHD)



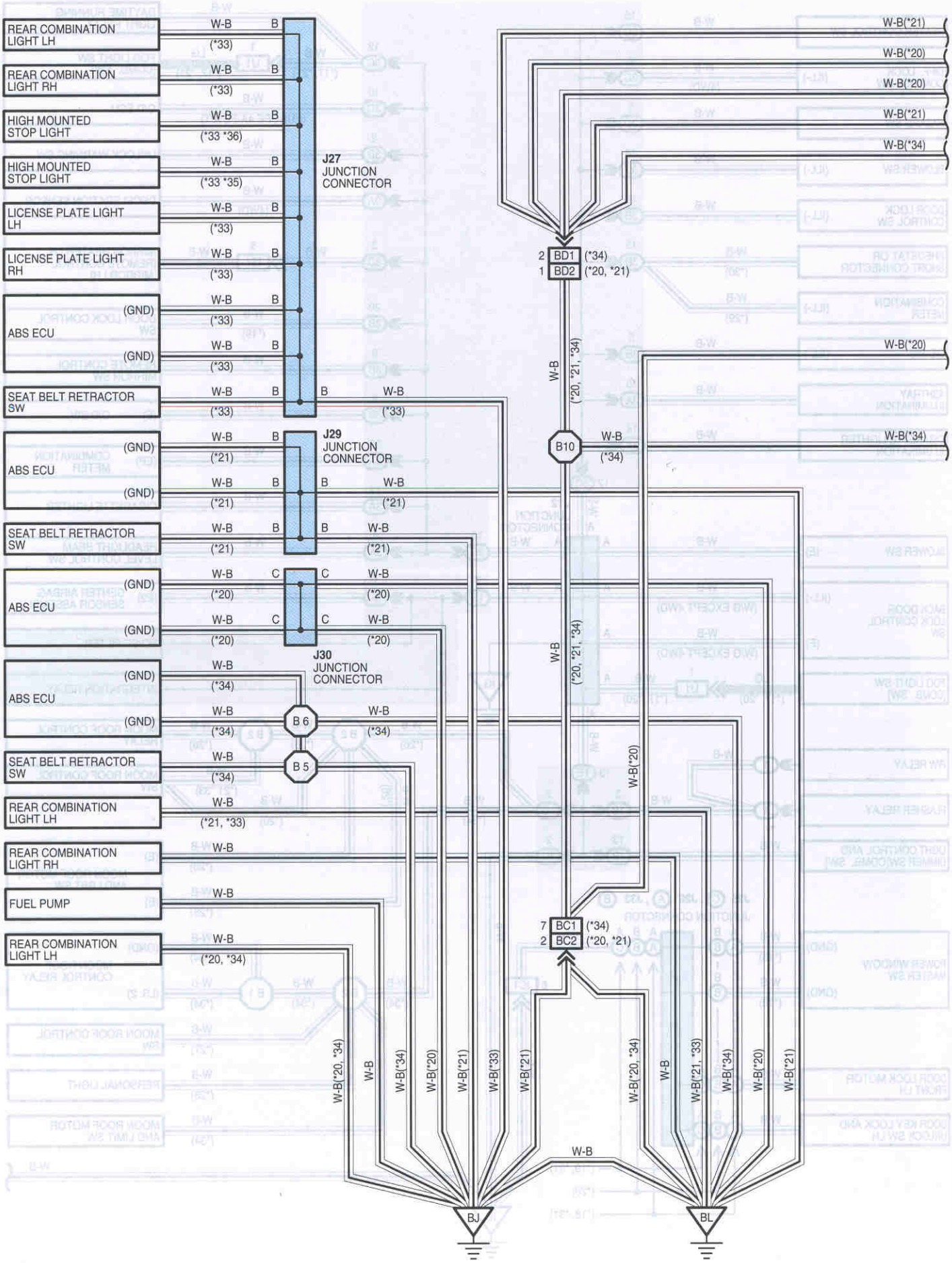

CHECK CONNECTOR
ENGINE ECU (E1)
COMBINATION METER (ET)
CHECK CONNECTOR
ISC VALVE
CHECK CONNECTOR
PRE-HEATING TIMER
COMBINATION METER (ET)
ENGINE ECU (E1) (E01) (E02)
J16 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
J15 (*10) J16 (*11) JUNCTION CONNECTOR
HEATED OXYGEN SENSOR
OXYGEN SENSOR
(E1) ENGINE ECU
CHECK CONNECTOR
(E01) (E02) ENGINE ECU
ISC VALVE
(E01) ENGINE ECU
IGNITION COIL AND IGNITER NO. 1
IGNITION COIL AND IGNITER NO. 2
ED
EC
EA1
I2
II2
BR (*11)
BR (*11)
BR (*11)
BR (*14)
BR (*14)
BR (*7, *13)
BR (*12)
BR (*5)
BR (*6)
BR (*6)
BR (*6)
BR (*5)
BR (*6)
BR (*5, *6)
BR (*5)
BR (*5)
BR (*5)
BR (*5)
BR (*12, *15)
BR (*9, *16)
BR (*8, *9, *10, *12)
BR (*8, *9, *10, *12)
BR (*8, *9, *12)
BR (*8, *9, *10, *11)
BR (*10, *11)
BR (*10, *11)
BR (*5, *6)
BR (*12)
BR (*12)
BR(*6)
BR(*12)
BR(*7, *13)
BR(*14)
BR(*11)
BR(*8, *9, *10, *12)
BR(*8, *9, *12)
BR(*8, *9, *10, *11)
BR(*10, *11)
* 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

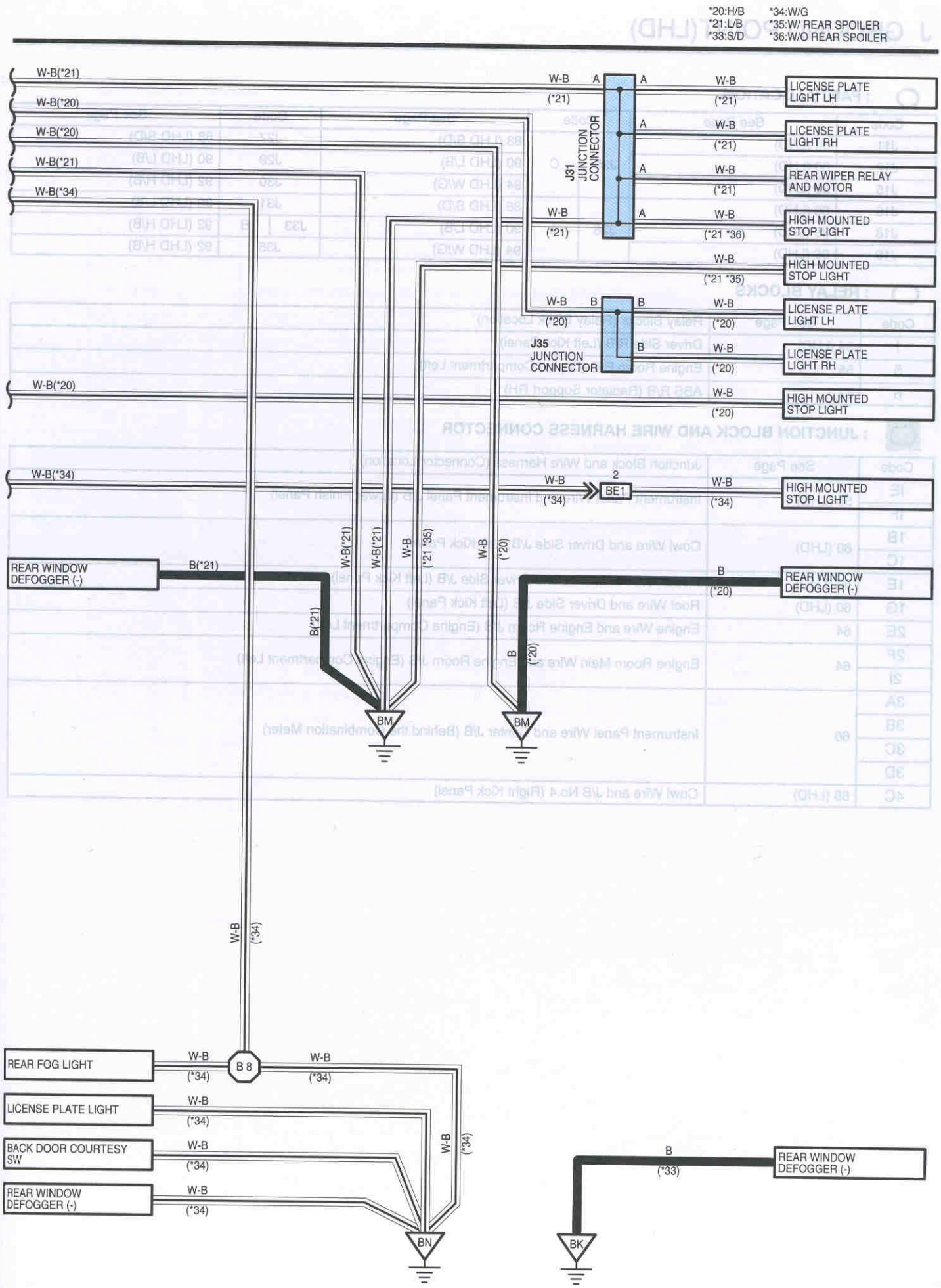
J GROUND POINT(LHD)




HEATER CONTROL SW
DIFF. LOCK CONTROL SW (ILL-)
HAZARD SW
BLOWER SW (ILL-)
DOOR LOCK CONTROL SW (ILL-)
RHEOSTAT OR SHORT CONNECTOR
COMBINATION METER (ILL-)
O/D SW (ILL-)
ASHTRAY ILLUMINATION
CIGARETTE LIGHTER ILLUMINATION
BLOWER SW (E)
BACK DOOR LOCK CONTROL SW (ILL-) (E)
FOG LIGHT SW [COMB. SW]
P/W RELAY
FLASHER RELAY
LIGHT CONTROL AND DIMMER SW[COMB. SW]
POWER WINDOW MASTER SW (GND) (GND)
DOOR LOCK MOTOR FRONT LH
DOOR KEY LOCK AND UNLOCK SW LH
J12 JUNCTION CONNECTOR
J25 C, J26 A, J33 B JUNCTION CONNECTOR
DAYTIME RUNNING LIGHT RELAY
FOG LIGHT SW [COMB. SW]
O/D ECU
UNLOCK WARNING SW
DECELERATION SENSOR
MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
DOOR LOCK CONTROL SW
REMOTE CONTROL MIRROR SW
(E) O/D SW
(EP) COMBINATION METER
CIGARETTE LIGHTER
HEADLIGHT BEAM LEVEL CONTROL SW
(E2) CENTER AIRBAG SENSOR ASSEMBLY
NOISE FILTER
INTEGRATION RELAY
MOON ROOF CONTROL RELAY
MOON ROOF CONTROL SW
(E) MOON ROOF MOTOR AND LIMIT SW (E)
(GND) MOON ROOF CONTROL RELAY (LS. 2)
MOON ROOF CONTROL SW
PERSONAL LIGHT
MOON ROOF MOTOR AND LIMIT SW
W-B
LG
(4WD)
(EUROPE 4A-FE A/T)
(W/G EXCEPT 4WD)
(*30)
(*29)
(*1)
(*17, *21)
(*17, *20)
(*19)
(*26)
(*21 *33)
(*20)
(*34)
(*27)
(*28)
(*19, *31)
(*18, *31)
(*18)
IG
IE

J GROUND POINT(LHD)




*20:H/B
*21:L/B
*33:S/D
*34:W/G
*35:W/ REAR SPOILER
*36:W/O REAR SPOILER
W-B(*21)
W-B(*20)
W-B(*20)
W-B(*21)
W-B(*34)
W-B
(*21)
A
J31
JUNCTION
CONNECTOR
LICENSE PLATE
LIGHT LH
LICENSE PLATE
LIGHT RH
REAR WIPER RELAY
AND MOTOR
HIGH MOUNTED
STOP LIGHT
(*21 *36)
(*21 *35)
B
(*20)
J35
JUNCTION
CONNECTOR
W-B(*20)
W-B(*34)
2
BE1
(*34)
REAR WINDOW
DEFOGGER (-)
B(*21)
W-B(*21)
W-B(*21)
W-B
(*21 *35)
W-B
(*20)
B
BM
W-B
(*34)
B 8
REAR FOG LIGHT
LICENSE PLATE LIGHT
BACK DOOR COURTESY
SW
BN
(*33)
BK

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)

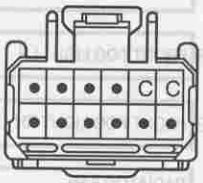
▽ : GROUND POINTS

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

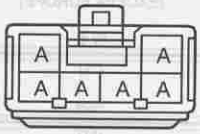
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I 1	134 (LHD)	Engine Room Main Wire	B 2	140 (LHD H/B)	Roof Wire
I 2	134 (LHD)	Engine Wire		142 (LHD W/G)	
I 5	134 (LHD)	A/C Sub Wire	B 5	142 (LHD W/G)	Floor Wire
B 1	142 (LHD W/G)	Roof Wire	B 6		
B 2	136 (LHD 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

J11



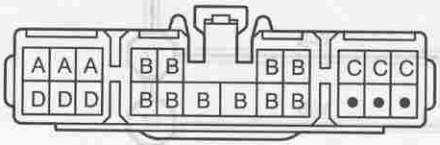
(Hint:See Page 7, 23, 39)

J12



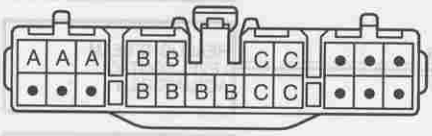
(Hint:See Page 7, 23, 39)

J15



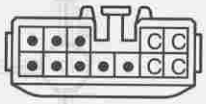
(Hint:See Page 7, 23, 39)

J16



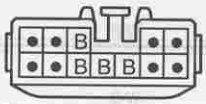
(Hint:See Page 7, 23, 39)

J18



(Hint:See Page 7, 23, 39)

J19 GRAY



(Hint:See Page 7, 23, 39)

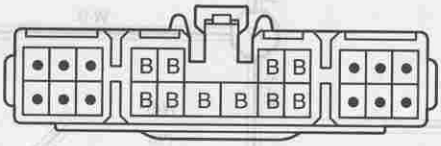
J25 (C) BLACK

(Hint:See Page 7, 23, 39)

J26 (A)

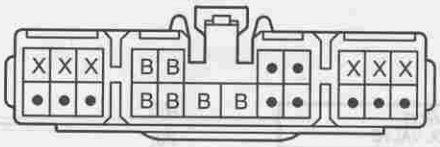
(Hint:See Page 7, 23, 39)

J27



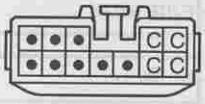
(Hint:See Page 7, 23, 39)

J29 DARK GRAY



(Hint:See Page 7, 23, 39)

J30 GRAY



(Hint:See Page 7, 23, 39)

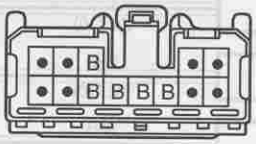
J31

(Hint:See Page 7, 23, 39)

J33 (B)

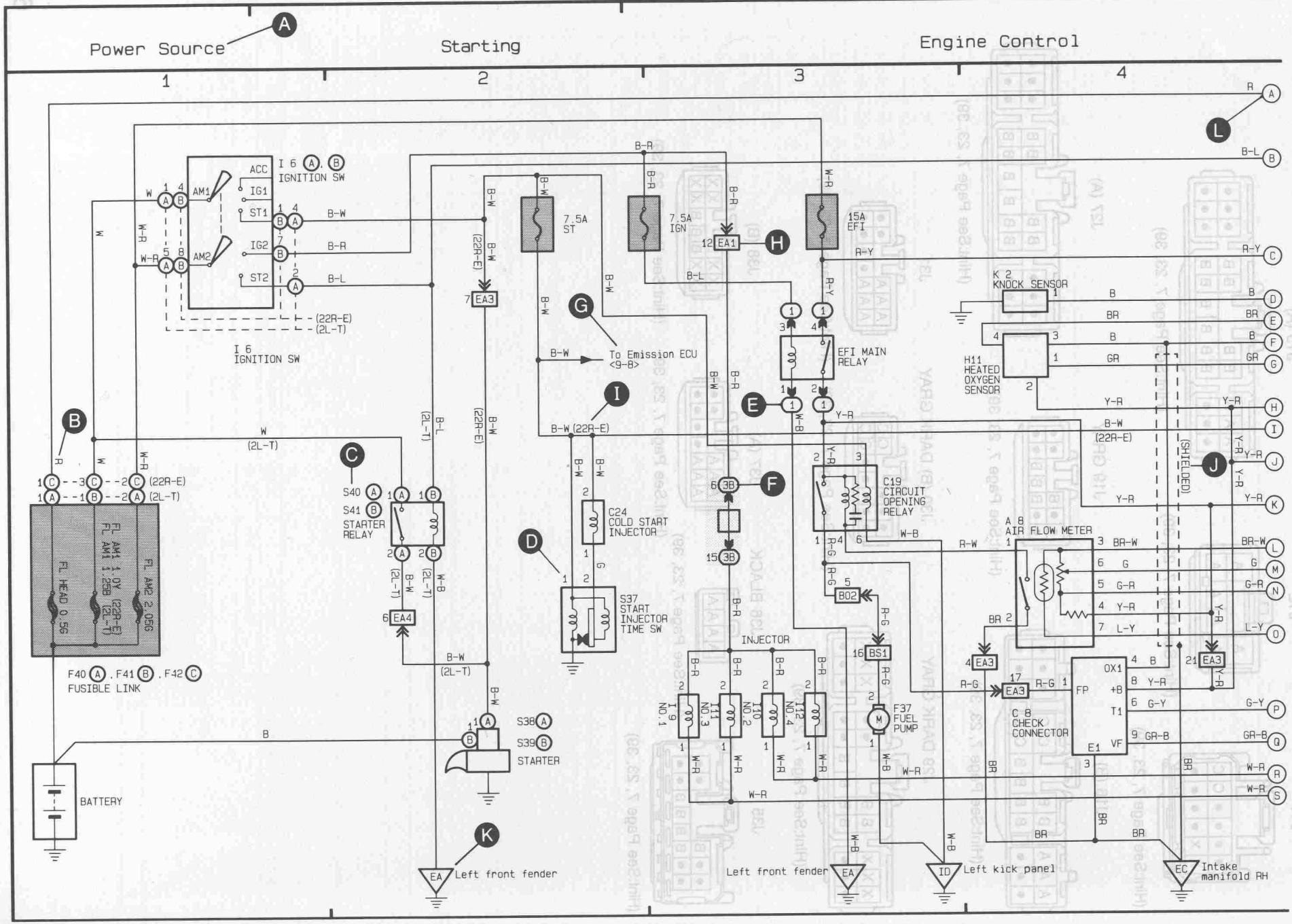
(Hint:See Page 7, 23, 39)

J35



(Hint:See Page 7, 23, 39)

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



A: System Title

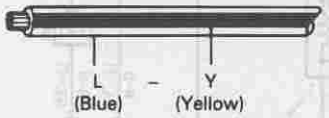
B: Indicates the wiring color.

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 — Numbered in order from upper right to lower left

Female

Male

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

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

Example: ① Indicates Relay Block No. 1.

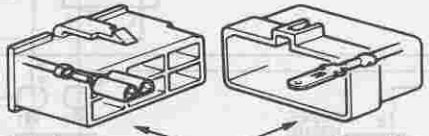
F: Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

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 occuring on the next page indicates that the wire harness is continuous.

SYSTEM INDEX (LHD)

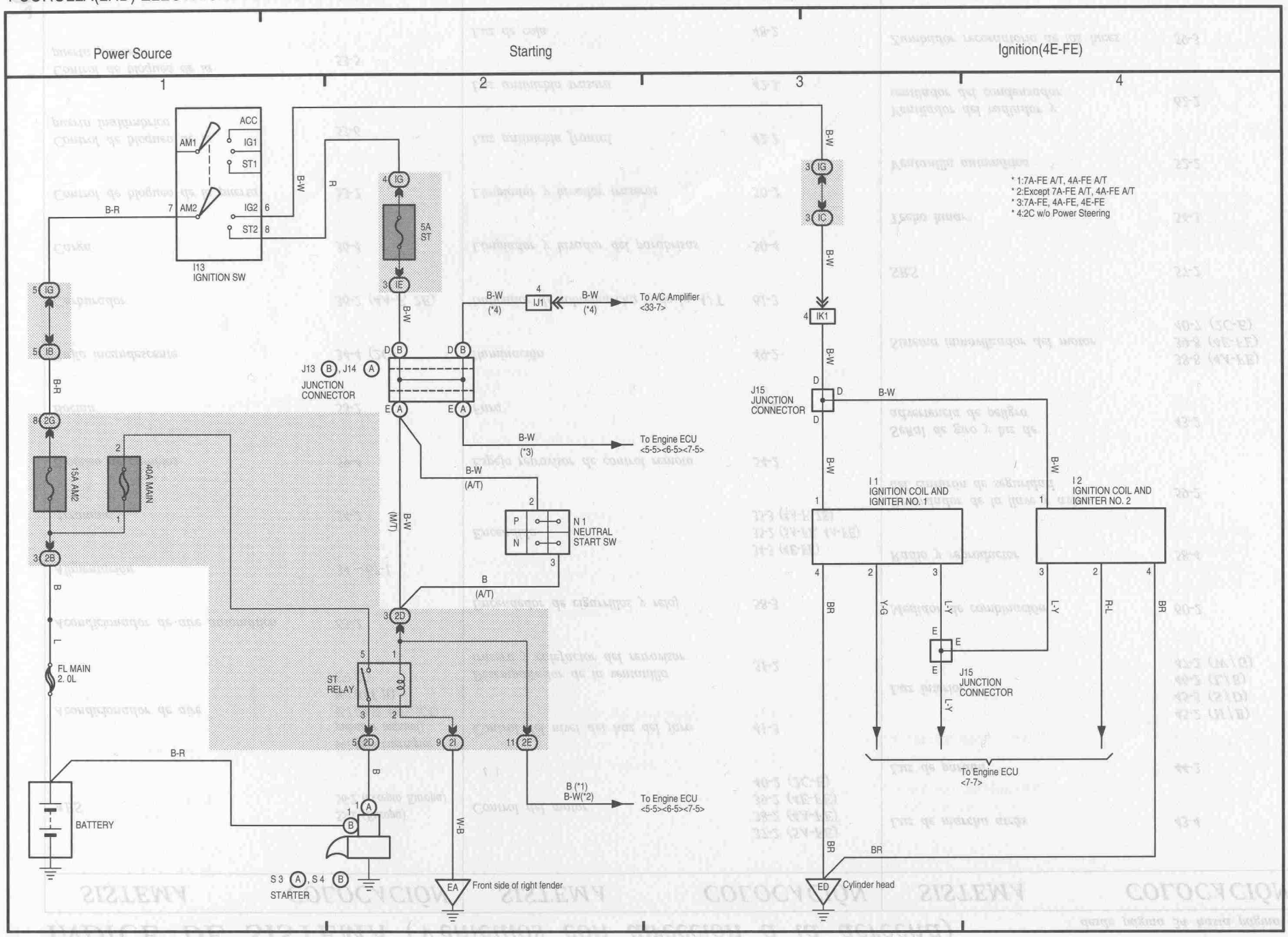
Location No.1 to 33

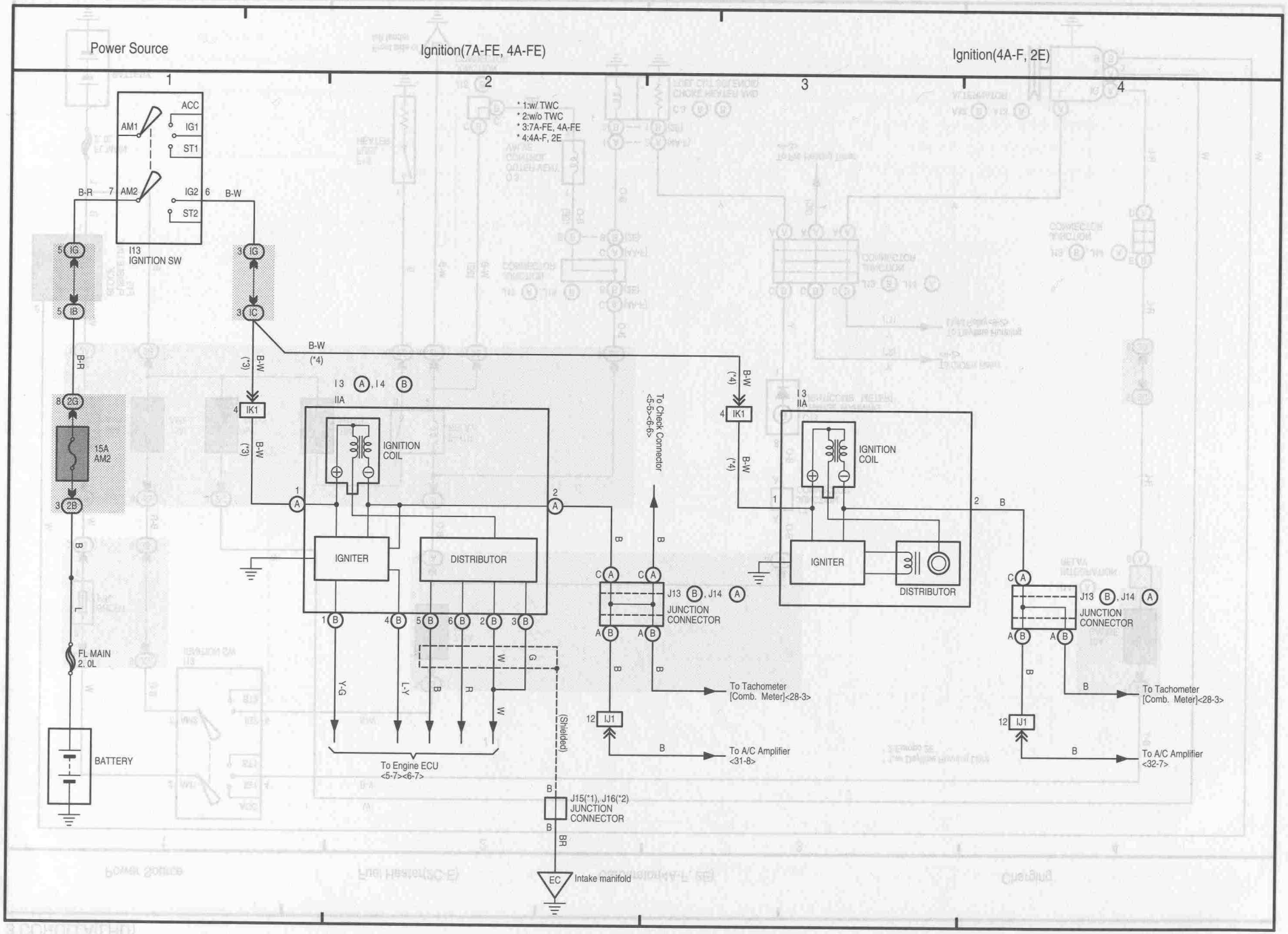
SYSTEMS	LOCATION
ABS	23-2 (Europe) 24-2 (Except Europe)
Air Conditioner	31-2 (7A-FE, 4A-FE, 4E-FE, 2C-E) 32-2 (4A-F, 2E) 33-2 (2C)
Back Door Lock Control	21-5
Back-Up Light	12-4
Carburetor	3-3 (4A-F, 2E)
Charging	3-4
Cigarette Lighter and Clock	26-2
Combination Meter	29-2
Door Lock Control	21-2
Engine Control	5-2 (7A-FE) 6-2 (4A-FE) 7-2 (4E-FE) 8-2 (2C-E)
Engine Immobiliser System	5-8 (7A-FE) 6-8 (4A-FE) 7-8 (4E-FE) 8-7 (2C-E)
Front Fog Light	11-2
Front Wiper and Washer	18-4
Fuel Heater	3-2 (2C)
Glow Plug	4-3 (2C)
Headlight	9-2 (w/ Daytime Running Light) 10-2 (w/o Daytime Running Light)

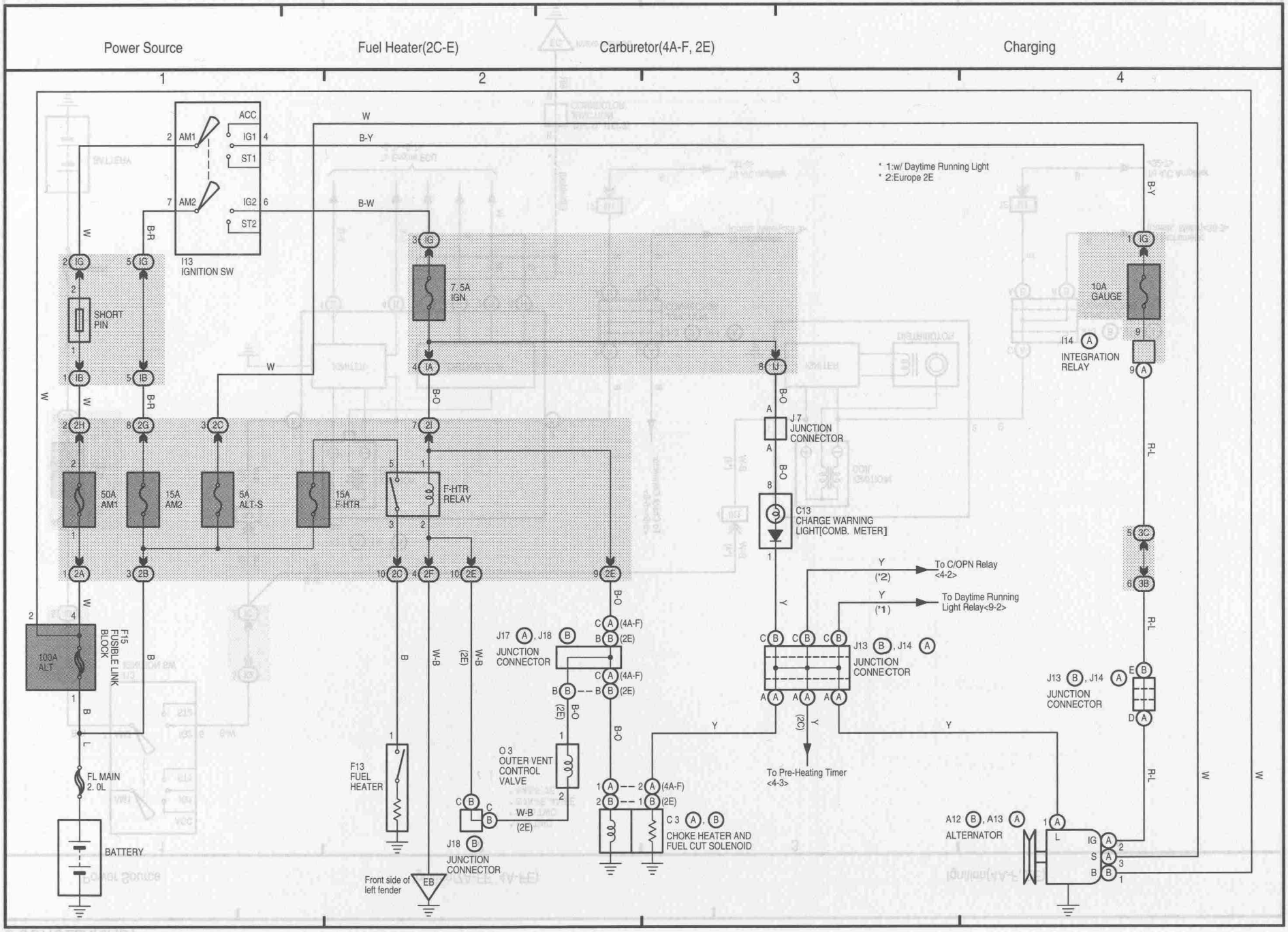
SYSTEMS	LOCATION
Headlight Beam Level Control	10-3
Headlight Cleaner	19-2
Horn	26-1
Ignition	1-3 (4E-FE) 2-2 (7A-FE, 4A-FE) 2-3 (4A-F, 2E)
Illumination	17-2
Interior Light	14-2 (S/D) 14-3 (L/B) 15-2 (H/B) 15-3 (W/G)
Key Reminder and Seat Belt Warning	27-1
Light Reminder Buzzer	27-2
Moon Roof	22-3
Overdrive and A/T Indicator	28-2
Power Source	1~33-1
Power Window	20-2
PTC Heater	4-2 (2E)
Radiator Fan and Condenser Fan	30-2
Radio and Player	26-3
Rear Fog Light	11-3
Rear Window Defogger and Mirror Heater	19-3
Rear Wiper and Washer	18-2
Remote Control Mirror	22-2

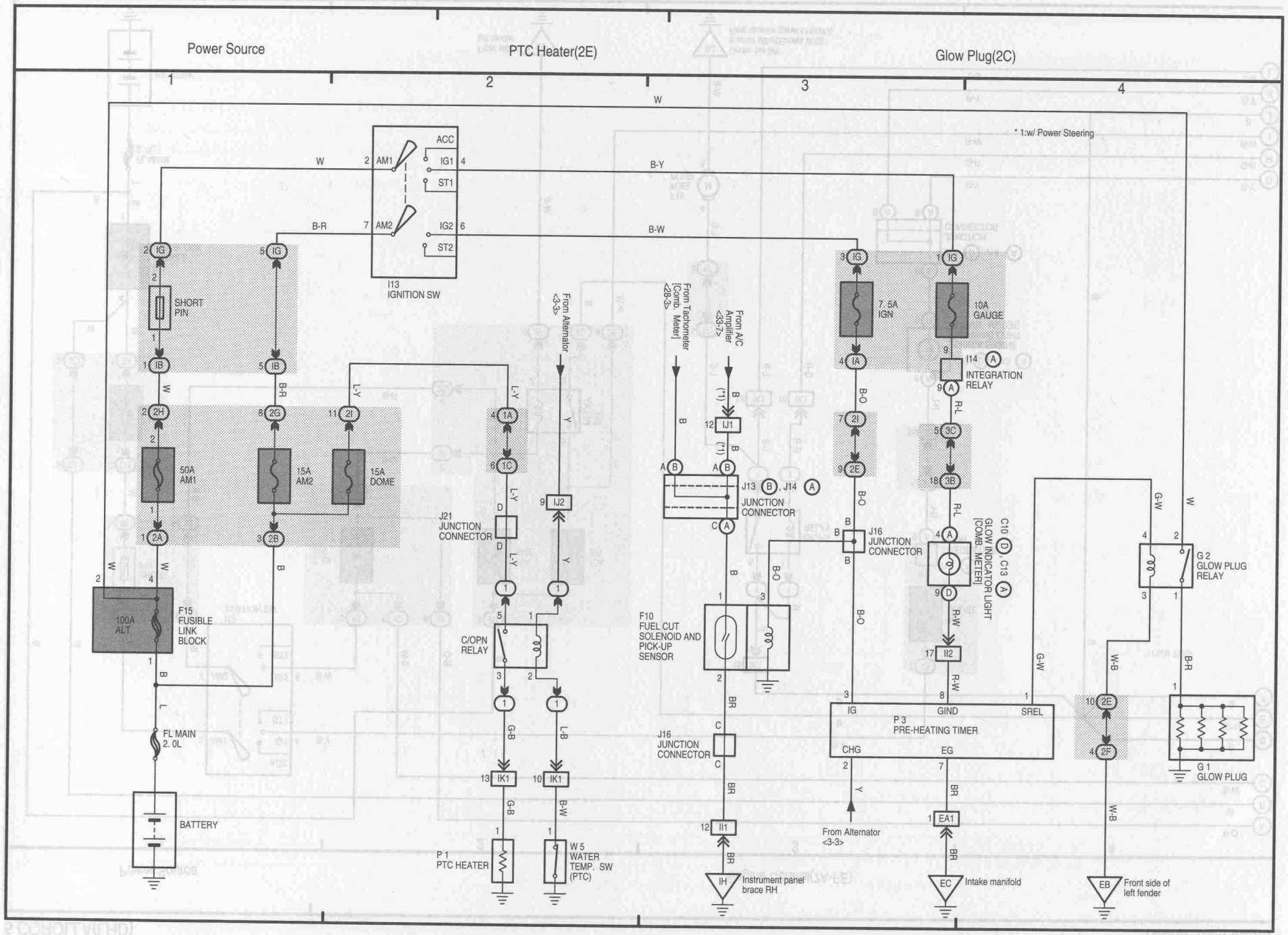
SYSTEMS	LOCATION
Seat Heater	27-4
SRS	25-2
Starting	1-2
Stop Light	13-2
Taillight	16-2
Turn Signal and Hazard Warning Light	12-2
Wireless Door Lock Control	21-6
4WD	21-7

1 COROLLA(LHD) ELECTRICAL WIRING DIAGRAM

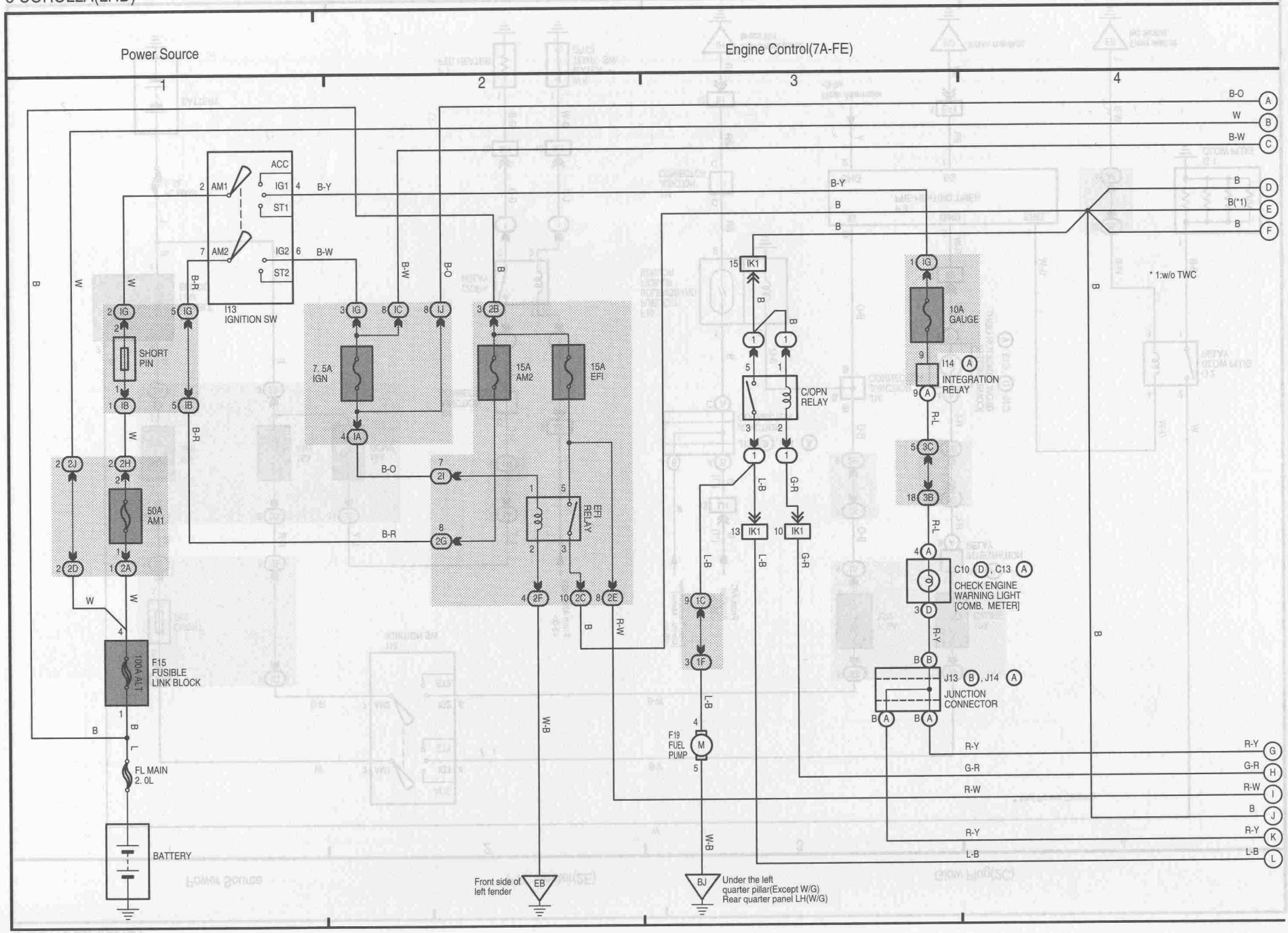


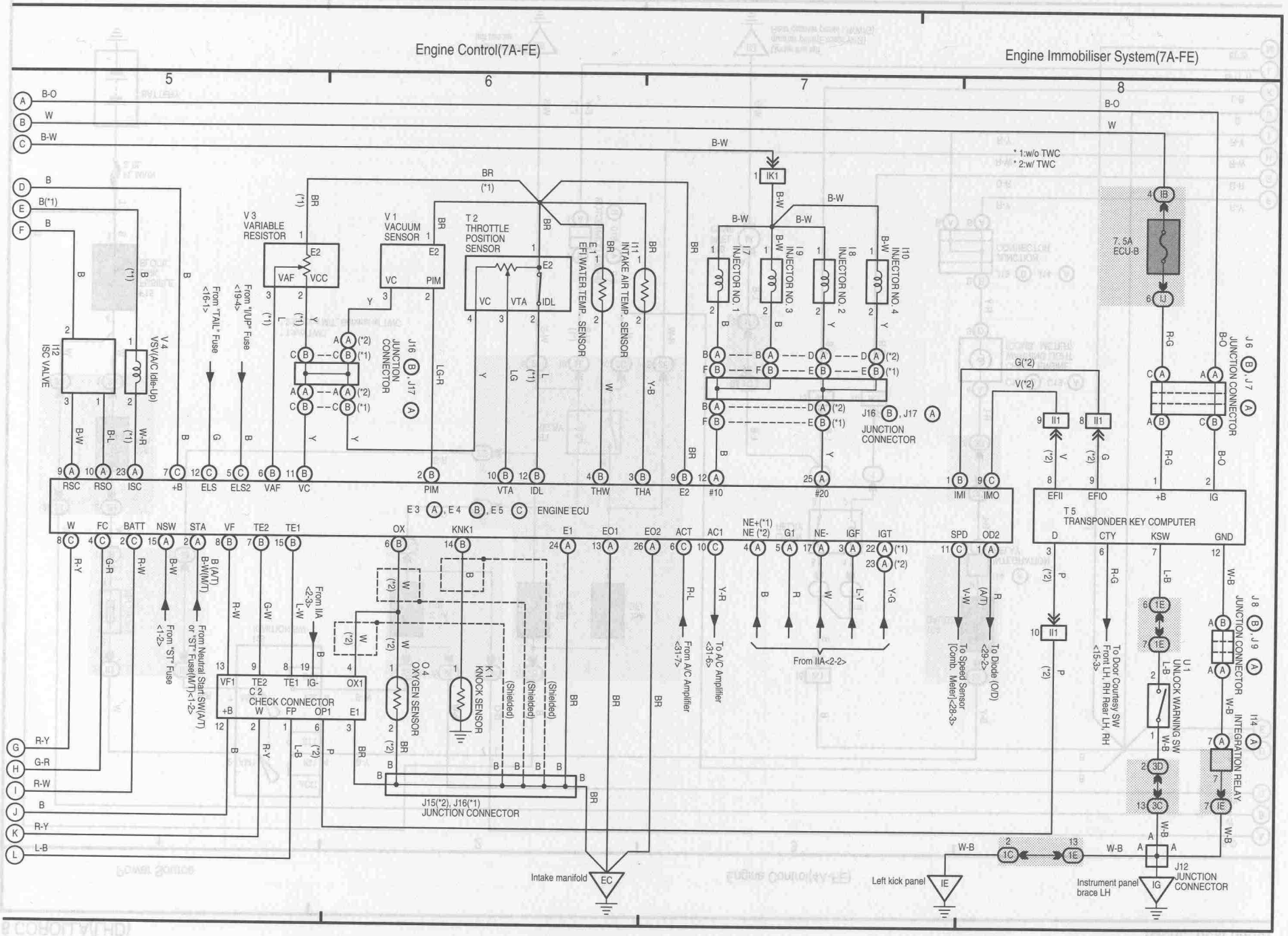

Power Source
Ignition(7A-FE, 4A-FE)
Ignition(4A-F, 2E)
1
2
3
4
* 1:w/ TWC
* 2:w/o TWC
* 3:7A-FE, 4A-FE
* 4:4A-F, 2E
ACC
AM1
IG1
ST1
AM2
IG2
ST2
B-R
B-W
I13
IGNITION SW
IG
IB
IC
IK1
15A
AM2
2G
2B
FL MAIN
2. 0L
BATTERY
I3 A, I4 B
IIA
IGNITION COIL
IGNITER
DISTRIBUTOR
To Check Connector
<5-5><6-6>
J13 B, J14 A
JUNCTION CONNECTOR
To Tachometer
[Comb. Meter]<28-3>
IJ1
To A/C Amplifier
<31-8>
To A/C Amplifier
<32-7>
To Engine ECU
<5-7><6-7>
(Shielded)
J15(*1), J16(*2)
JUNCTION CONNECTOR
EC
Intake manifold


Power Source
Fuel Heater(2C-E)
Carburetor(4A-F, 2E)
Charging
1
2
3
4
* 1:w/ Daytime Running Light
* 2:Europe 2E
I13
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
7.5A IGN
10A GAUGE
I14
INTEGRATION RELAY
50A AM1
15A AM2
5A ALT-S
15A F-HTR
F-HTR RELAY
J7
JUNCTION CONNECTOR
C13
CHARGE WARNING LIGHT[COMB. METER]
To C/OPN Relay <4-2>
To Daytime Running Light Relay<9-2>
J13, J14
JUNCTION CONNECTOR
J17, J18
JUNCTION CONNECTOR
F15
FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2.0L
BATTERY
F13
FUEL HEATER
O3
OUTER VENT CONTROL VALVE
C3
CHOKE HEATER AND FUEL CUT SOLENOID
To Pre-Heating Timer <4-3>
A12, A13
ALTERNATOR
Front side of left tender
EB

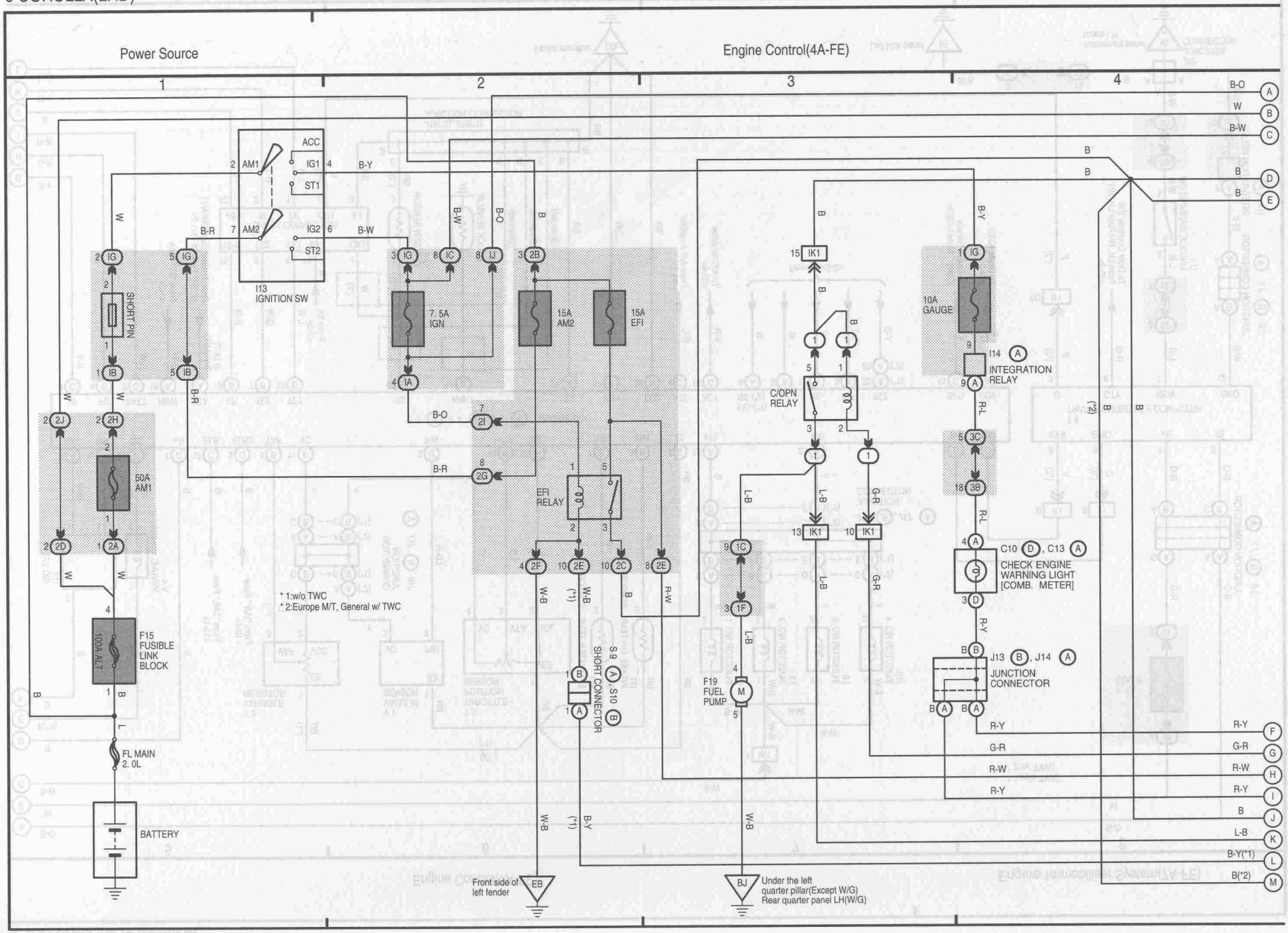

Power Source
PTC Heater(2E)
Glow Plug(2C)
1
2
3
4
* 1:w/ Power Steering
I13
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
50A AM1
15A AM2
15A DOME
100A ALT
F15 FUSIBLE LINK BLOCK
FL MAIN 2. 0L
BATTERY
J21 JUNCTION CONNECTOR
C/OPN RELAY
P 1 PTC HEATER
W 5 WATER TEMP. SW (PTC)
From Alternator <3-3>
From Tachometer [Comb. Meter] <28-3>
From A/C Amplifier <33-7>
J13, J14 JUNCTION CONNECTOR
F10 FUEL CUT SOLENOID AND PICK-UP SENSOR
J16 JUNCTION CONNECTOR
Instrument panel brace RH
7. 5A IGN
10A GAUGE
I14 INTEGRATION RELAY
J16 JUNCTION CONNECTOR
C10, C13 GLOW INDICATOR LIGHT [COMB. METER]
P 3 PRE-HEATING TIMER
IG
GIND
SREL
CHG
EG
From Alternator <3-3>
Intake manifold
G 2 GLOW PLUG RELAY
G 1 GLOW PLUG
Front side of left fender

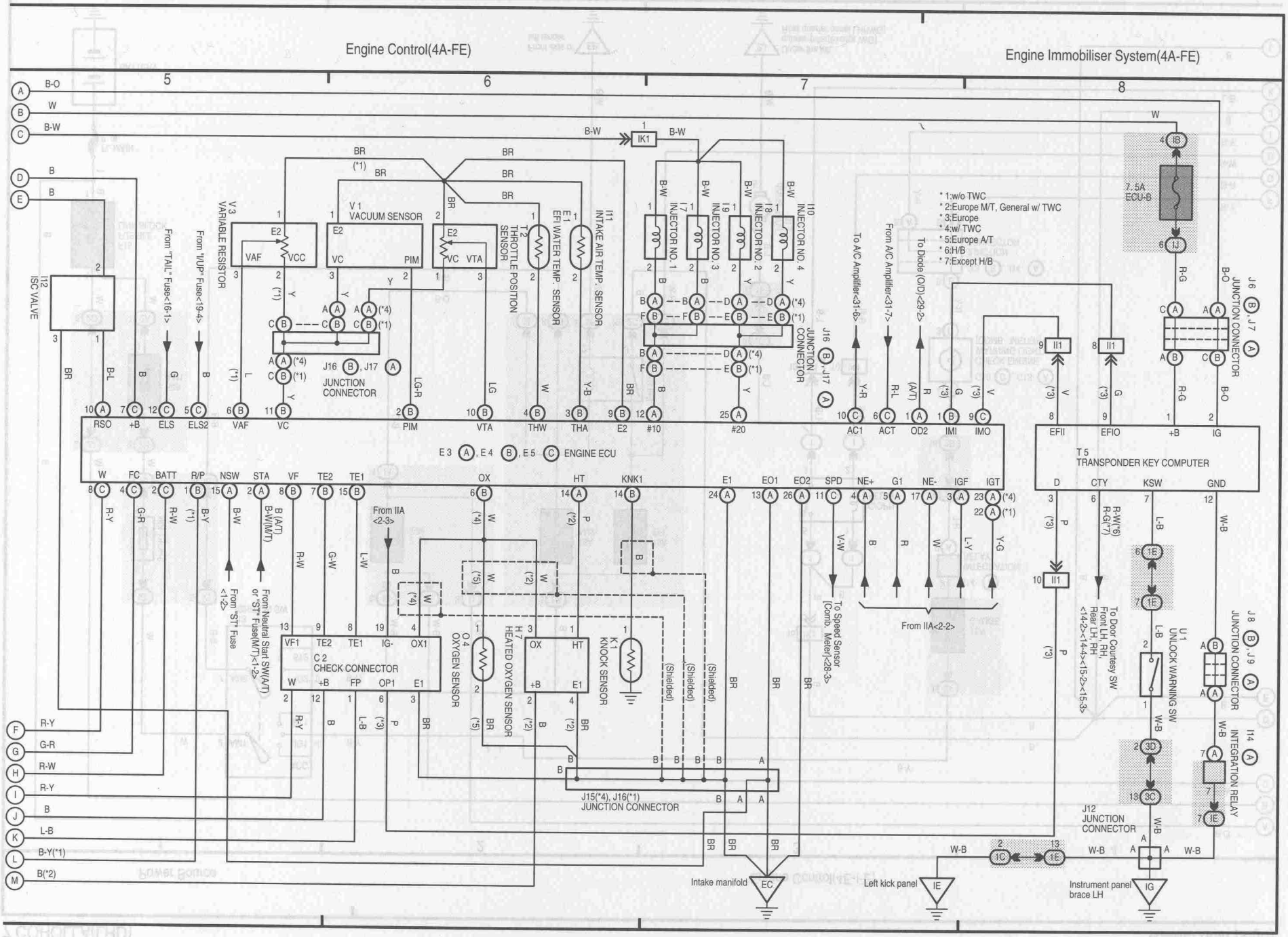
(Cont. next page)



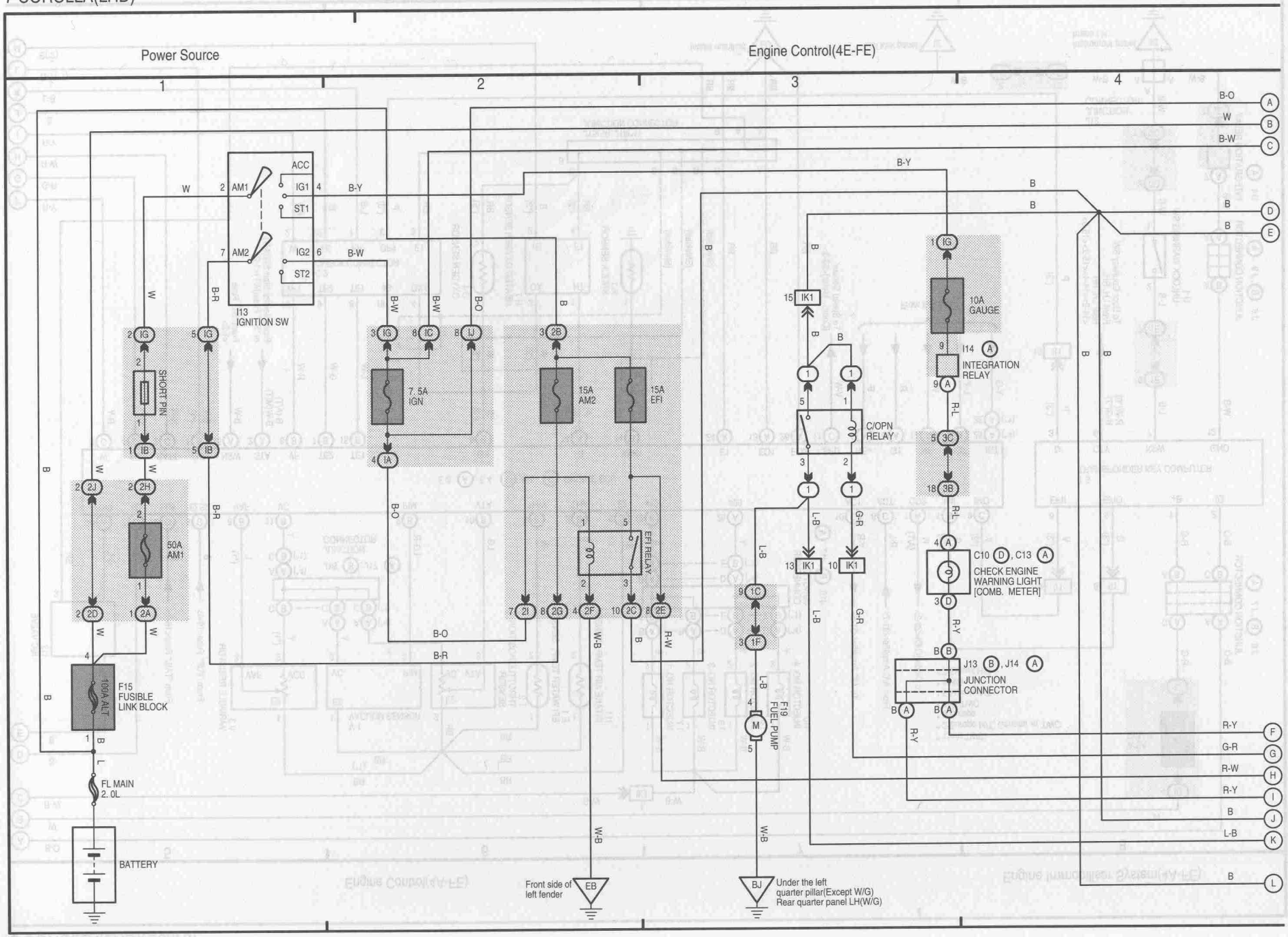

Engine Control(7A-FE)
Engine Immobiliser System(7A-FE)
5
6
7
8
* 1:w/o TWC
* 2:w/ TWC
V 3 VARIABLE RESISTOR
V 1 VACUUM SENSOR
T 2 THROTTLE POSITION SENSOR
E 1 EFI WATER TEMP. SENSOR
I 11 INTAKE AIR TEMP. SENSOR
I 7 INJECTOR NO. 1
I 9 INJECTOR NO. 3
I 8 INJECTOR NO. 2
I 10 INJECTOR NO. 4
7.5A ECU-B
I 12 ISC VALVE
V 4 VSV(A/C Idle-Up)
From "TAIL" Fuse <16-1>
From "IJUP" Fuse <19-4>
J16 (B), J17 (A) JUNCTION CONNECTOR
J6 (B), J7 (A) JUNCTION CONNECTOR
J8 (B), J9 (A) JUNCTION CONNECTOR
E3 (A), E4 (B), E5 (C) ENGINE ECU
T 5 TRANSPONDER KEY COMPUTER
C 2 CHECK CONNECTOR
O 4 OXYGEN SENSOR
K 1 KNOCK SENSOR
(Shielded)
J15(*2), J16(*1) JUNCTION CONNECTOR
From "ST" Fuse <1-2>
From Neutral Start SW(A/T) or "ST" Fuse(M/T)<1-2>
From IIA <2-3>
From A/C Amplifier <31-7>
To A/C Amplifier <31-6>
From IIA<2-2>
To Speed Sensor [Comb. Meter]<28-3>
To Diode (O/D) <29-2>
To Door Courtesy SW Front LH, RH Rear LH, RH <15-3>
U 1 UNLOCK WARNING SW
I14 INTEGRATION RELAY
J12 JUNCTION CONNECTOR
Intake manifold
Left kick panel
Instrument panel brace LH

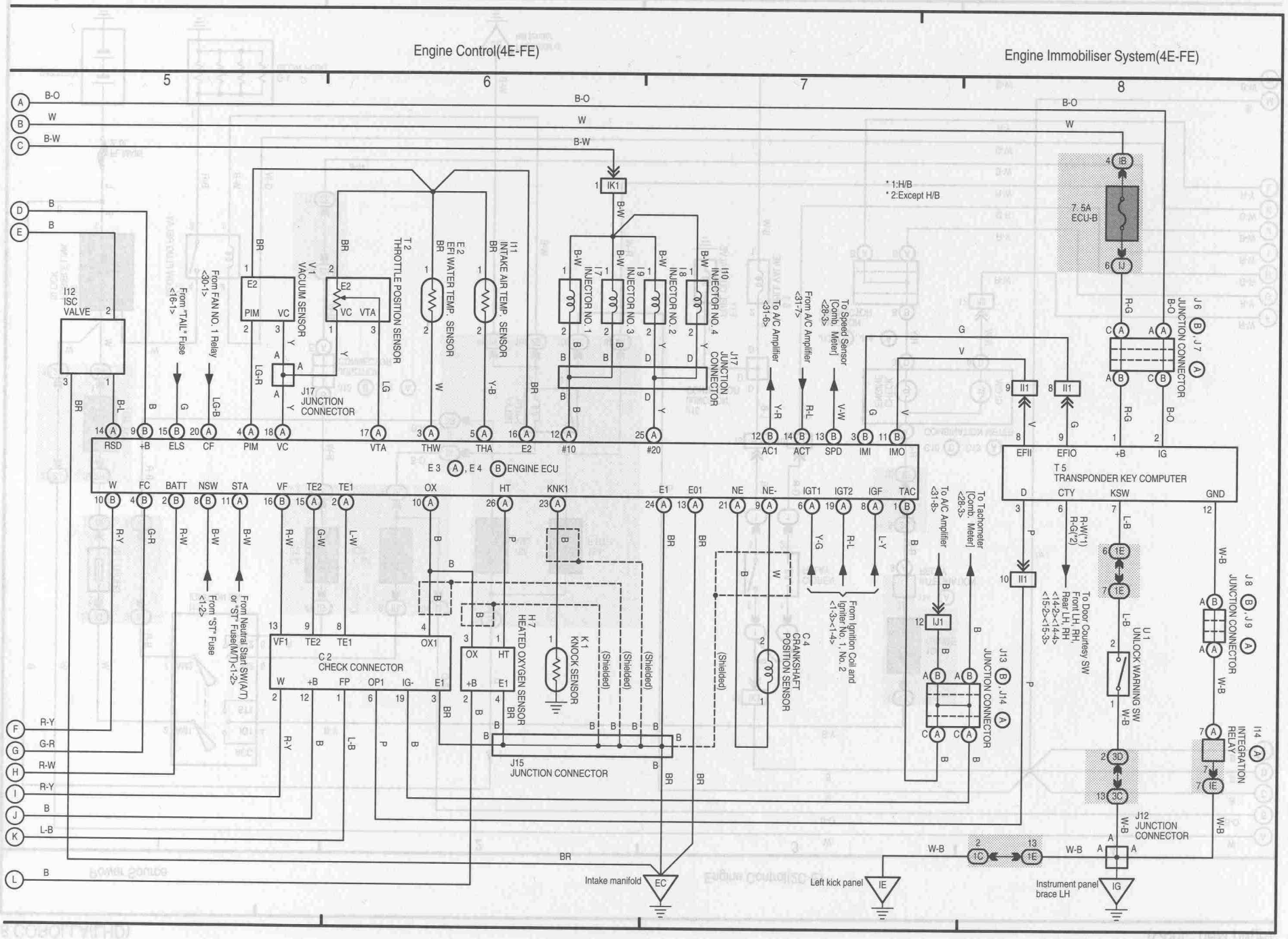
(Cont. next page)



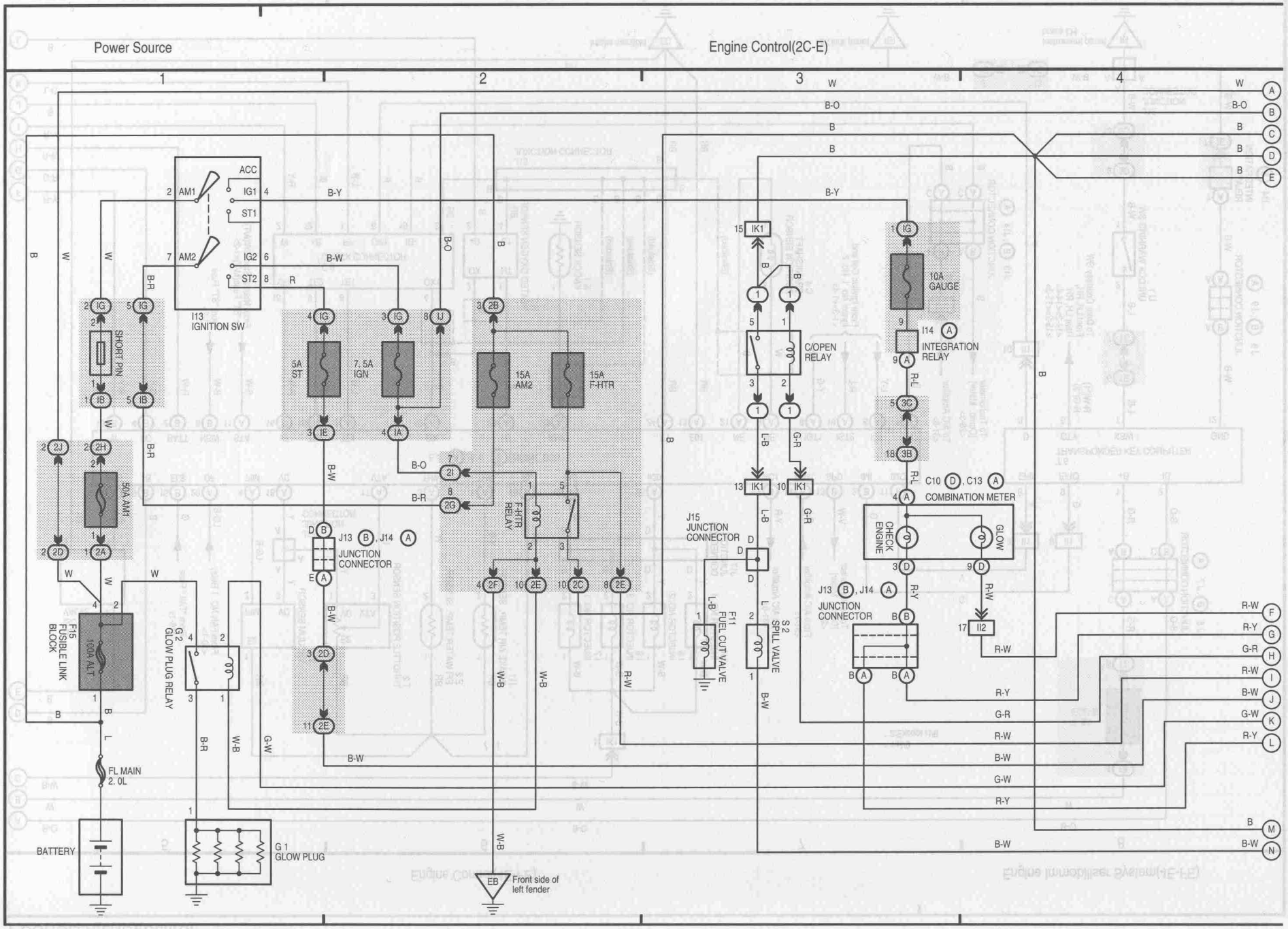

Engine Control(4A-FE)
Engine Immobiliser System(4A-FE)
5
6
7
8
* 1:w/o TWC
* 2:Europe M/T, General w/ TWC
* 3:Europe
* 4:w/ TWC
* 5:Europe A/T
* 6:H/B
* 7:Except H/B
7.5A ECU-B
IK1
I12 ISC VALVE
From "TAIL" Fuse<16-1>
From "I/UP" Fuse<19-4>
V3 VARIABLE RESISTOR
V1 VACUUM SENSOR
T2 THROTTLE POSITION SENSOR
E1 EFI WATER TEMP. SENSOR
I11 INTAKE AIR TEMP. SENSOR
I7 INJECTOR NO. 1
I9 INJECTOR NO. 3
I8 INJECTOR NO. 2
I10 INJECTOR NO. 4
J16 (B), J17 (A) JUNCTION CONNECTOR
To A/C Amplifier<31-6>
From A/C Amplifier<31-7>
To Diode (O/D)<29-2>
J6 (B), J7 (A) JUNCTION CONNECTOR
RSO
+B
ELS
ELS2
VAF
VC
PIM
VTA
THW
THA
E2
#10
#20
AC1
ACT
OD2
IMI
IMO
EFII
EFIO
IG
E3 (A), E4 (B), E5 (C) ENGINE ECU
T5 TRANSPONDER KEY COMPUTER
D
CTY
KSW
GND
W
FC
BATT
R/P
NSW
STA
VF
TE2
TE1
OX
HT
KNK1
E1
EO1
EO2
SPD
NE+
G1
NE-
IGF
IGT
From IIA <2-3>
From "ST" Fuse <1-2>
From Neutral Start SW(A/T) or "ST" Fuse(M/T)<1-2>
C2 CHECK CONNECTOR
VF1
IG-
OX1
O4 OXYGEN SENSOR
H7 HEATED OXYGEN SENSOR
K1 KNOCK SENSOR
(Shielded)
To Speed Sensor [Comb. Meter]<28-3>
From IIA<2-2>
To Door Courtesy SW Front LH, RH Rear LH, RH <14-2><14-4><15-2><15-3>
U1 UNLOCK WARNING SW
J8 (B), J9 (A) JUNCTION CONNECTOR
I14 (A) INTEGRATION RELAY
J12 JUNCTION CONNECTOR
J15(*4), J16(*1) JUNCTION CONNECTOR
Intake manifold
EC
Left kick panel
IE
Instrument panel brace LH
IG

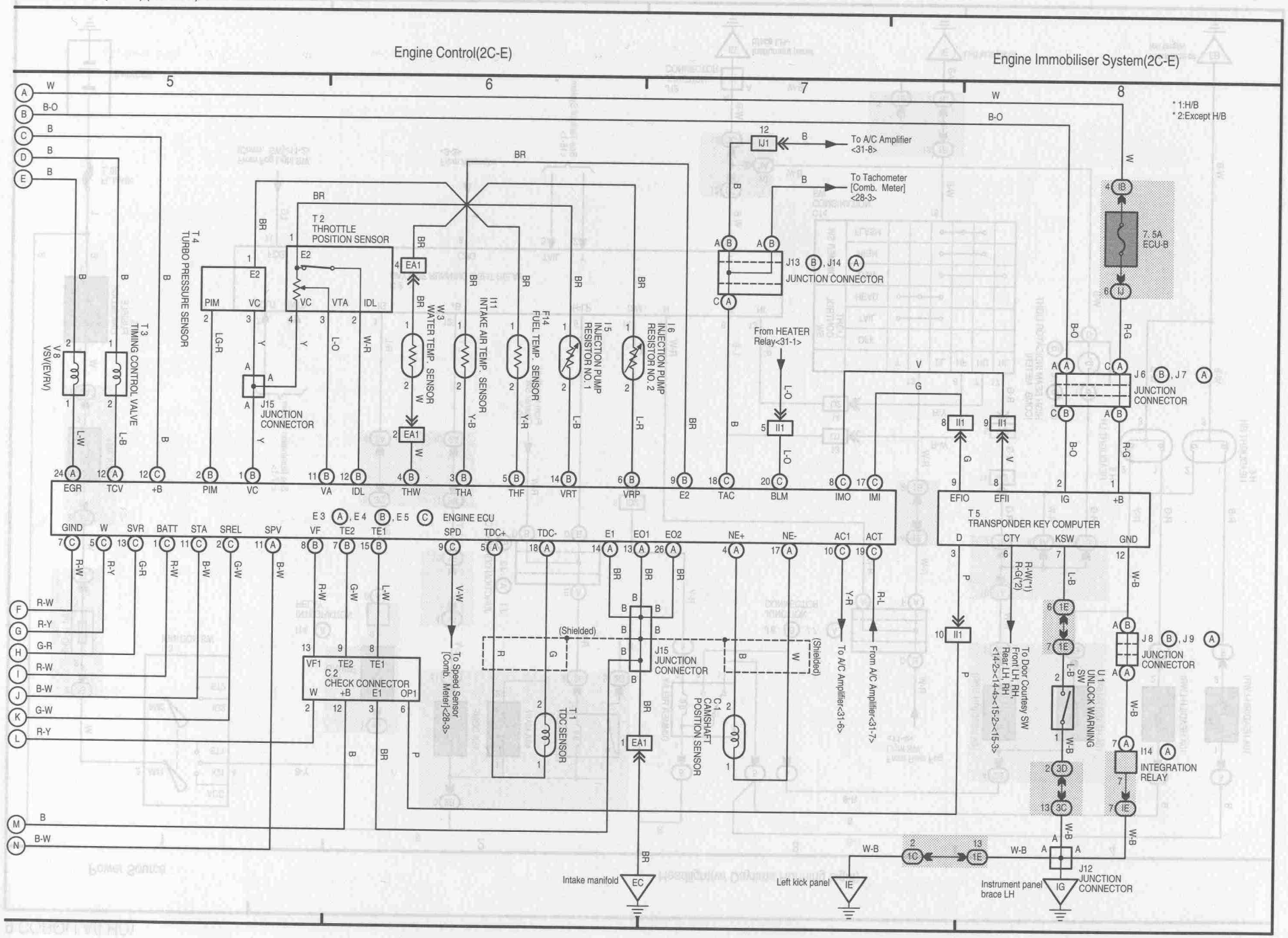
(Cont. next page)

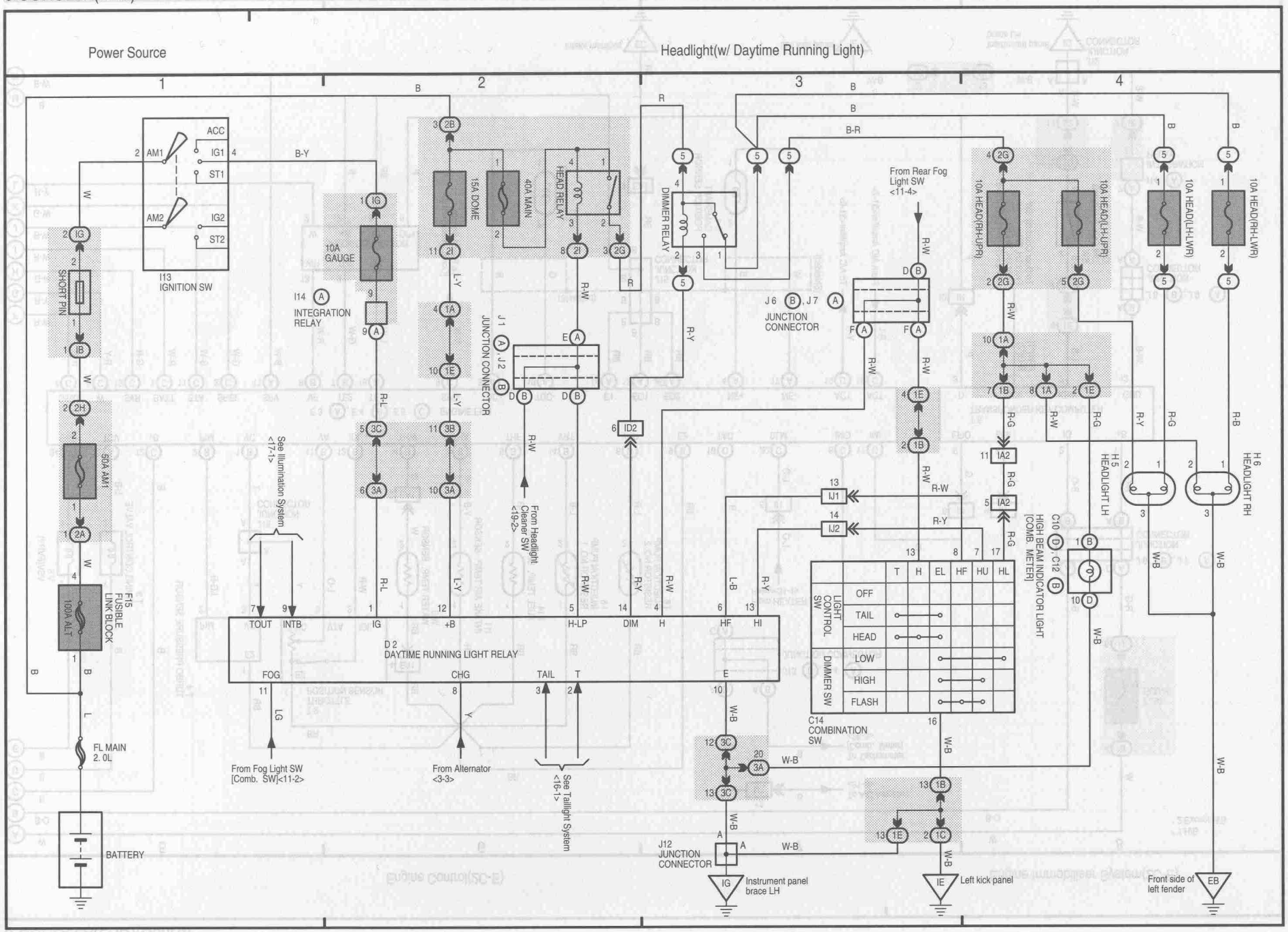


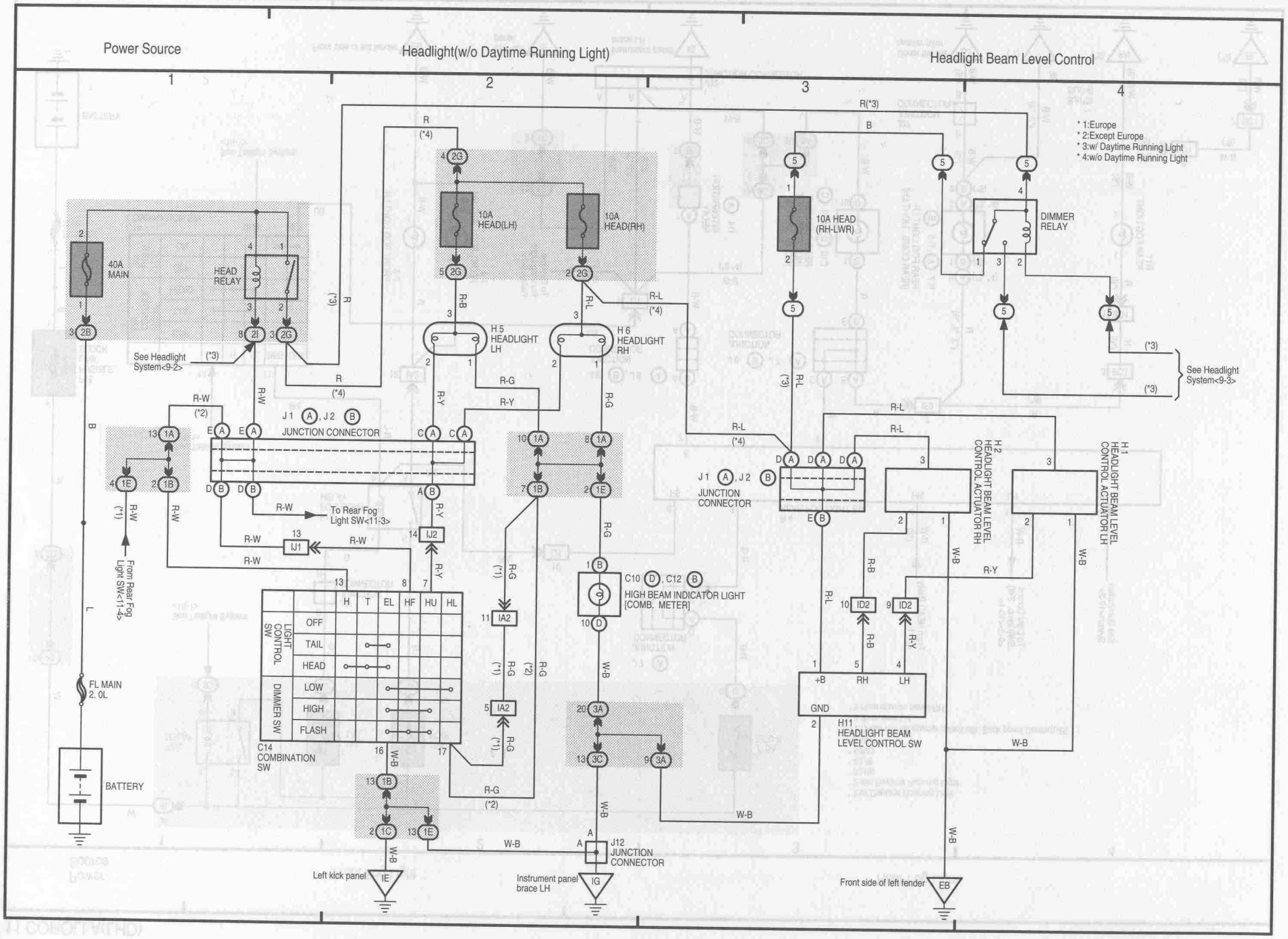

Engine Control(4E-FE)
Engine Immobiliser System(4E-FE)
5
6
7
8
* 1:H/B
* 2:Except H/B
7.5A ECU-B
I12 ISC VALVE
V1 VACUUM SENSOR
T2 THROTTLE POSITION SENSOR
E2 EFI WATER TEMP. SENSOR
I11 INTAKE AIR TEMP. SENSOR
I7 INJECTOR NO. 1
I9 INJECTOR NO. 3
I8 INJECTOR NO. 2
I10 INJECTOR NO. 4
J17 JUNCTION CONNECTOR
From "TAIL" Fuse <16-1>
From FAN NO. 1 Relay <30-1>
To A/C Amplifier <31-6>
From A/C Amplifier <31-7>
To Speed Sensor [Comb. Meter] <28-3>
To Tachometer [Comb. Meter] <28-3>
To A/C Amplifier <31-8>
From Ignition Coil and Igniter No. 1, No. 2 <1-3><1-4>
From "ST" Fuse <1-2>
From Neutral Start SW(A/T) or "ST" Fuse(M/T)<1-2>
E 3 (A), E 4 (B) ENGINE ECU
C 2 CHECK CONNECTOR
H7 HEATED OXYGEN SENSOR
K1 KNOCK SENSOR
C 4 CRANKSHAFT POSITION SENSOR
J15 JUNCTION CONNECTOR
J13 (B), J14 (A) JUNCTION CONNECTOR
J6 (B), J7 (A) JUNCTION CONNECTOR
J8 (B), J9 (A) JUNCTION CONNECTOR
T 5 TRANSPONDER KEY COMPUTER
To Door Courtesy SW Front LH, RH, Rear LH, RH <14-2><14-4><15-2><15-3>
U 1 UNLOCK WARNING SW
I14 (A) INTEGRATION RELAY
J12 JUNCTION CONNECTOR
Intake manifold
Left kick panel
Instrument panel brace LH

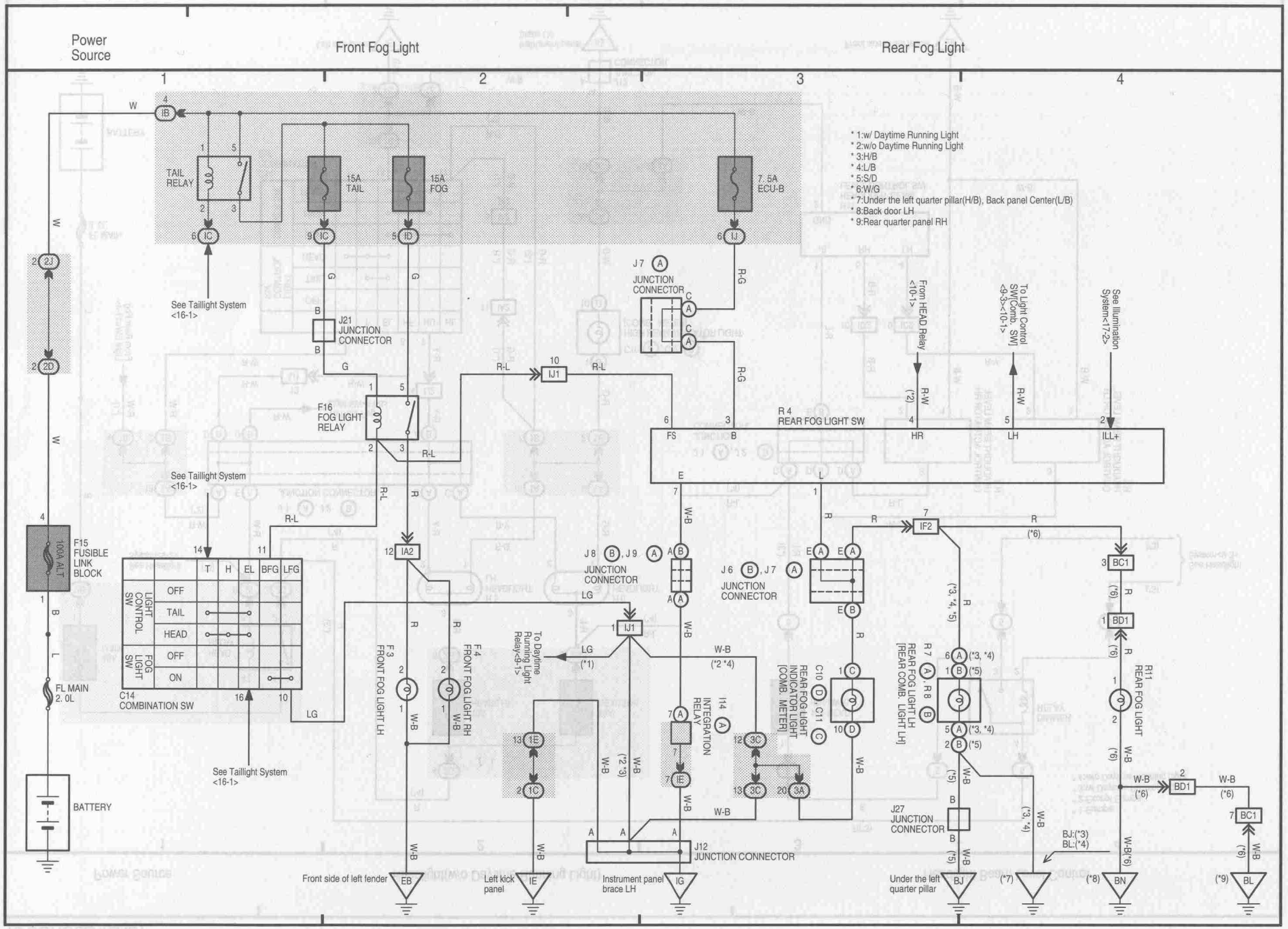
(Cont. next page)

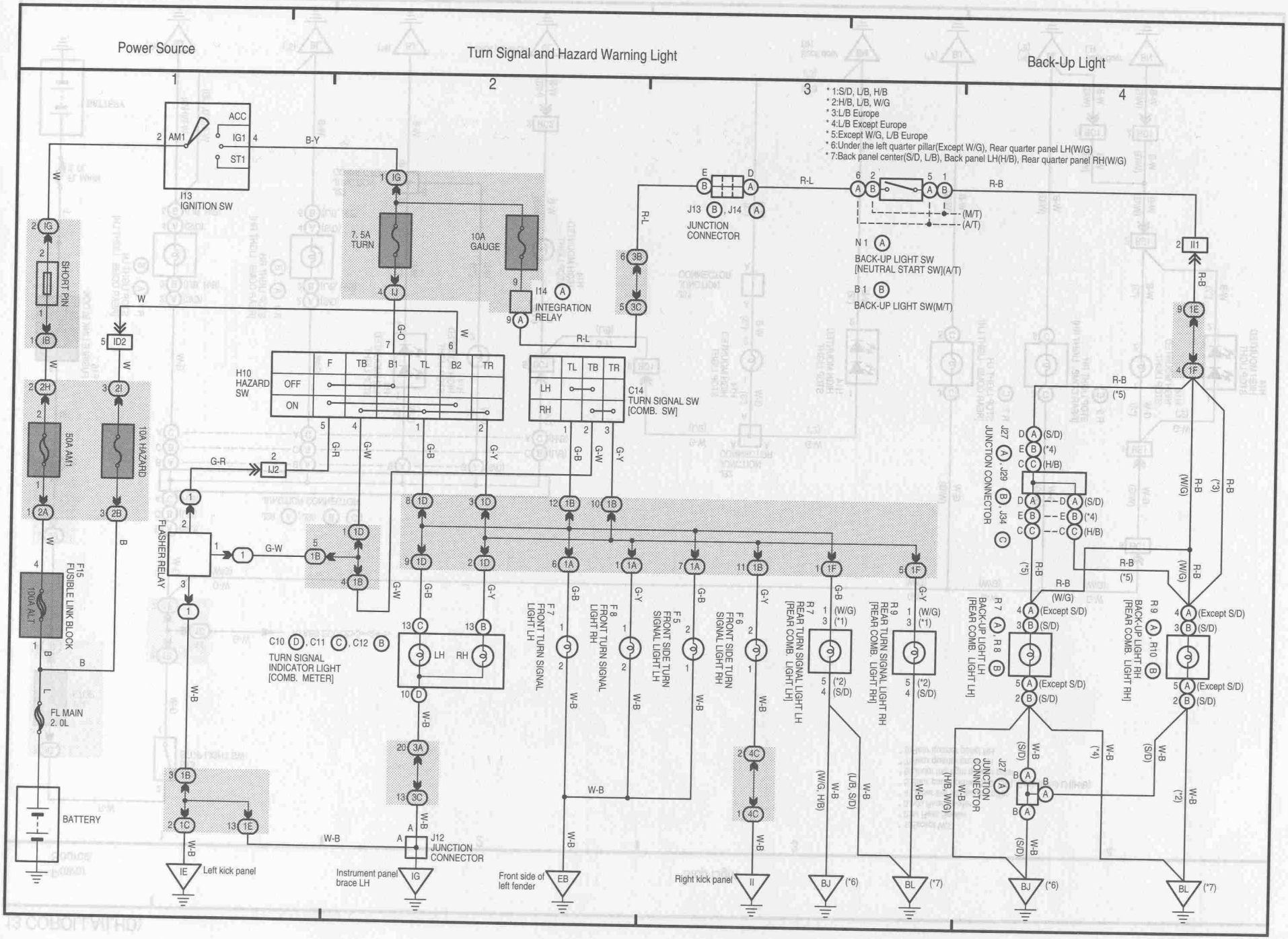


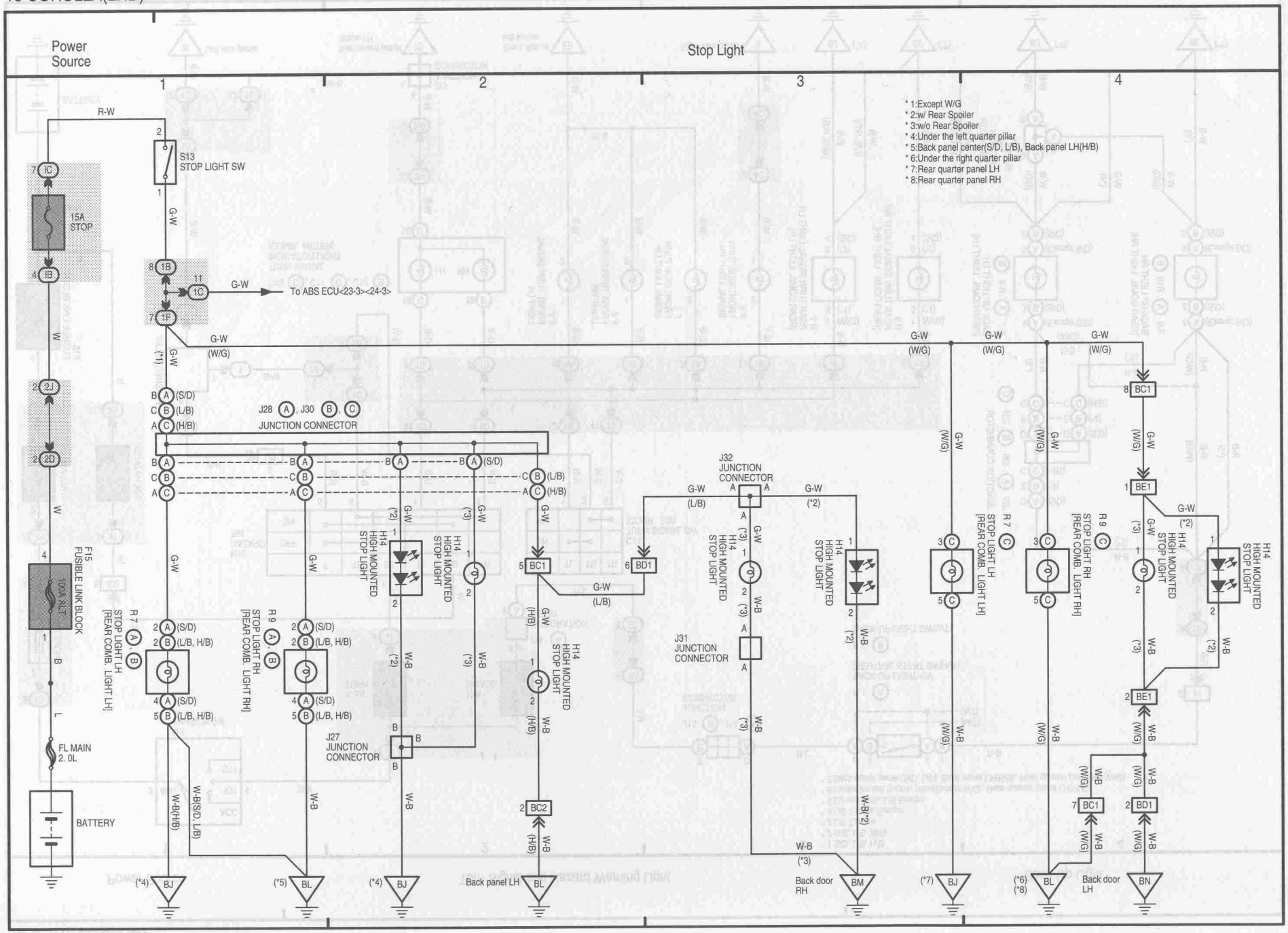

Engine Control(2C-E)
Engine Immobiliser System(2C-E)
* 1:H/B
* 2:Except H/B
To A/C Amplifier <31-8>
To Tachometer [Comb. Meter] <28-3>
J13 B, J14 A JUNCTION CONNECTOR
7.5A ECU-B
T2 THROTTLE POSITION SENSOR
T4 TURBO PRESSURE SENSOR
T3 TIMING CONTROL VALVE
V8 VSV(EVRV)
J15 JUNCTION CONNECTOR
W3 WATER TEMP. SENSOR
I11 INTAKE AIR TEMP. SENSOR
F14 FUEL TEMP. SENSOR
I5 INJECTION PUMP RESISTOR NO. 1
I6 INJECTION PUMP RESISTOR NO. 2
From HEATER Relay<31-1>
J6 B, J7 A JUNCTION CONNECTOR
EGR TCV +B PIM VC VA IDL THW THA THF VRT VRP E2 TAC BLM IMO IMI
EFIO EFII IG +B
T5 TRANSPONDER KEY COMPUTER
D CTY KSW GND
E3 A, E4 B, E5 C ENGINE ECU
GND W SVR BATT STA SREL SPV VF TE2 TE1 SPD TDC+ TDC- E1 EO1 EO2 NE+ NE- AC1 ACT
C2 CHECK CONNECTOR
VF1 TE2 TE1 W +B E1 OP1
To Speed Sensor [Comb. Meter]<28-3>
T1 TDC SENSOR
J15 JUNCTION CONNECTOR
C1 CAMSHAFT POSITION SENSOR
To A/C Amplifier<31-6>
From A/C Amplifier<31-7>
To Door Courtesy SW Front LH, RH, Rear LH, RH <14-2><14-4><15-2><15-3>
U1 UNLOCK WARNING SW
J8 B, J9 A JUNCTION CONNECTOR
I14 A INTEGRATION RELAY
J12 JUNCTION CONNECTOR
Intake manifold EC
Left kick panel IE
Instrument panel brace LH IG

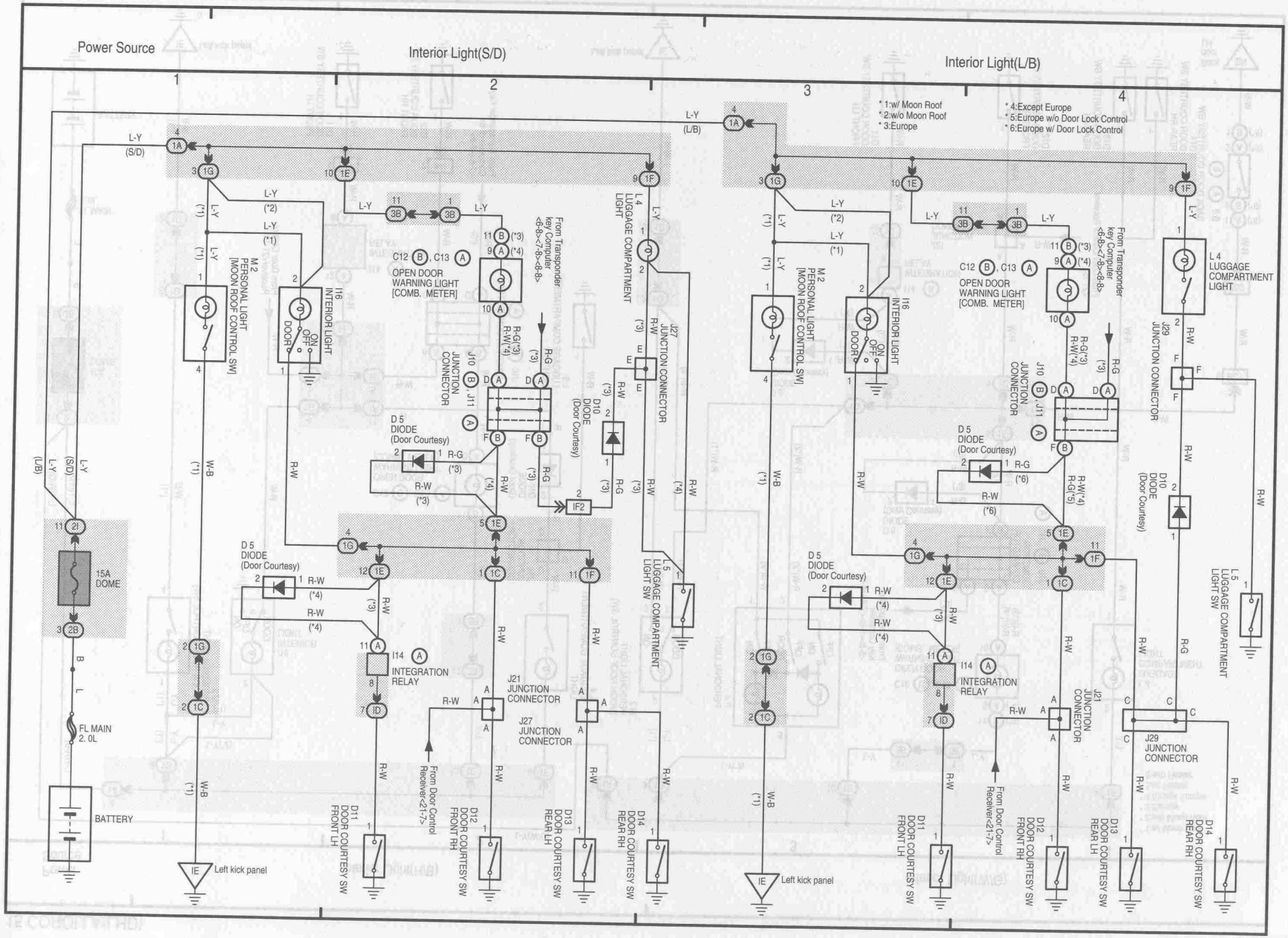

Power Source
Headlight(w/ Daytime Running Light)
1
2
3
4
I13
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
60A AM1
F15
FUSIBLE
LINK BLOCK
100A ALT
FL MAIN
2. 0L
BATTERY
10A
GAUGE
I14
INTEGRATION
RELAY
15A DOME
40A MAIN
HEAD RELAY
J1
J2
JUNCTION CONNECTOR
See Illumination System
<17-1>
From Headlight
Cleaner SW
<19-2>
DIMMER RELAY
From Rear Fog
Light SW
<11-4>
J6
J7
JUNCTION
CONNECTOR
10A HEAD(RH-UPR)
10A HEAD(LH-UPR)
10A HEAD(LH-LWR)
10A HEAD(RH-LWR)
H5
HEADLIGHT LH
H6
HEADLIGHT RH
C10
C12
HIGH BEAM INDICATOR LIGHT
[COMB. METER]
TOUT
INTB
IG
+B
H-LP
DIM
H
HF
HI
D2
DAYTIME RUNNING LIGHT RELAY
FOG
CHG
TAIL
T
E
From Fog Light SW
[Comb. SW]<11-2>
From Alternator
<3-3>
See Taillight System
<16-1>
LIGHT
CONTROL
SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
T
H
EL
HF
HU
HL
C14
COMBINATION
SW
J12
JUNCTION
CONNECTOR
Instrument panel
brace LH
Left kick panel
Front side of
left fender

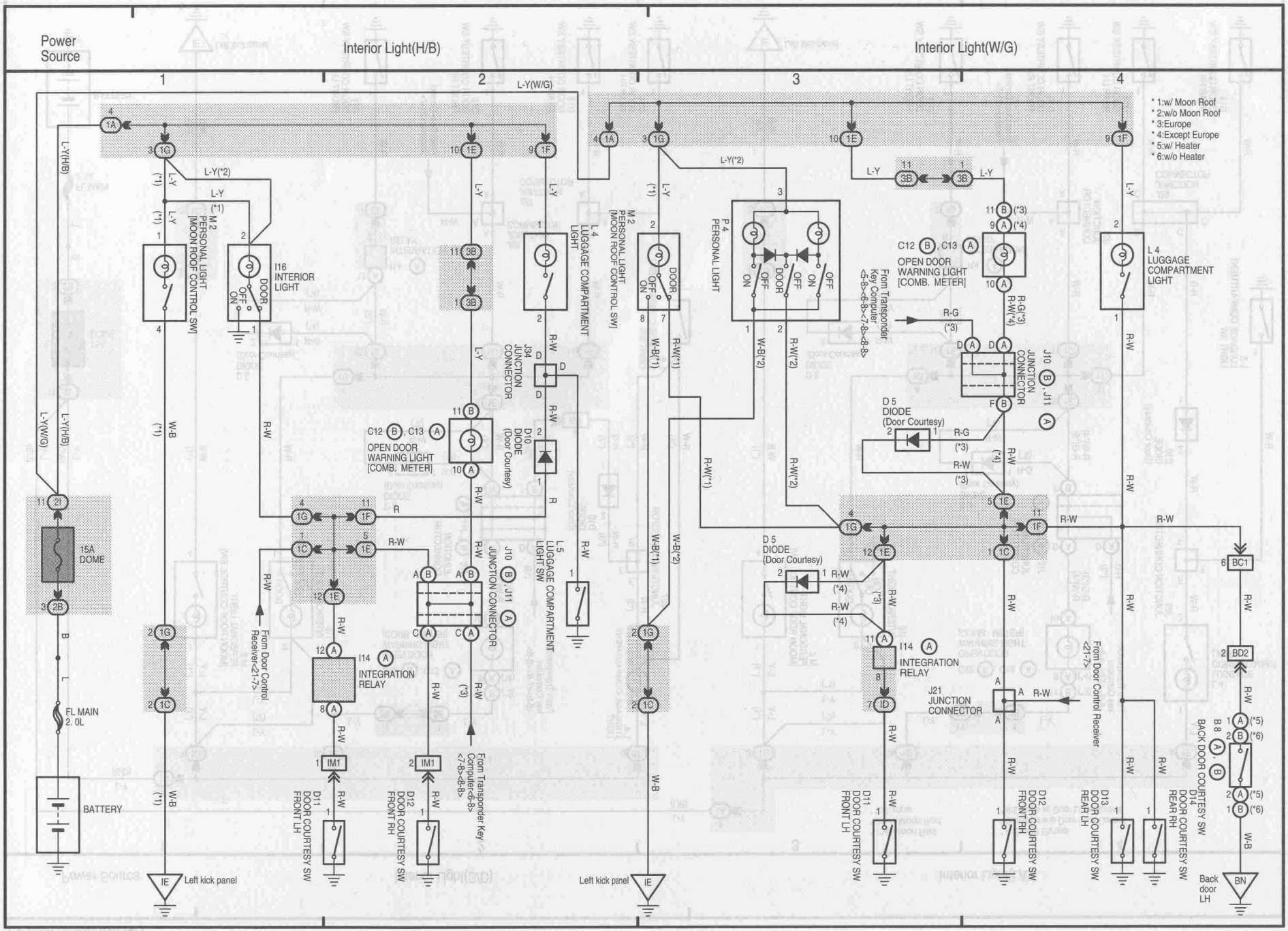

Power Source
Headlight(w/o Daytime Running Light)
Headlight Beam Level Control
1
2
3
4
* 1:Europe
* 2:Except Europe
* 3:w/ Daytime Running Light
* 4:w/o Daytime Running Light
40A MAIN
HEAD RELAY
10A HEAD(LH)
10A HEAD(RH)
10A HEAD (RH-LWR)
DIMMER RELAY
H 5 HEADLIGHT LH
H 6 HEADLIGHT RH
See Headlight System<9-2>
See Headlight System<9-3>
J 1 (A), J 2 (B) JUNCTION CONNECTOR
To Rear Fog Light SW<11-3>
From Rear Fog Light SW<11-4>
C10 (D), C12 (B) HIGH BEAM INDICATOR LIGHT [COMB. METER]
H2 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RH
H1 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH
H11 HEADLIGHT BEAM LEVEL CONTROL SW
C14 COMBINATION SW
LIGHT CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
H T EL HF HU HL
FL MAIN 2. 0L
BATTERY
J12 JUNCTION CONNECTOR
Left kick panel
Instrument panel brace LH
Front side of left fender

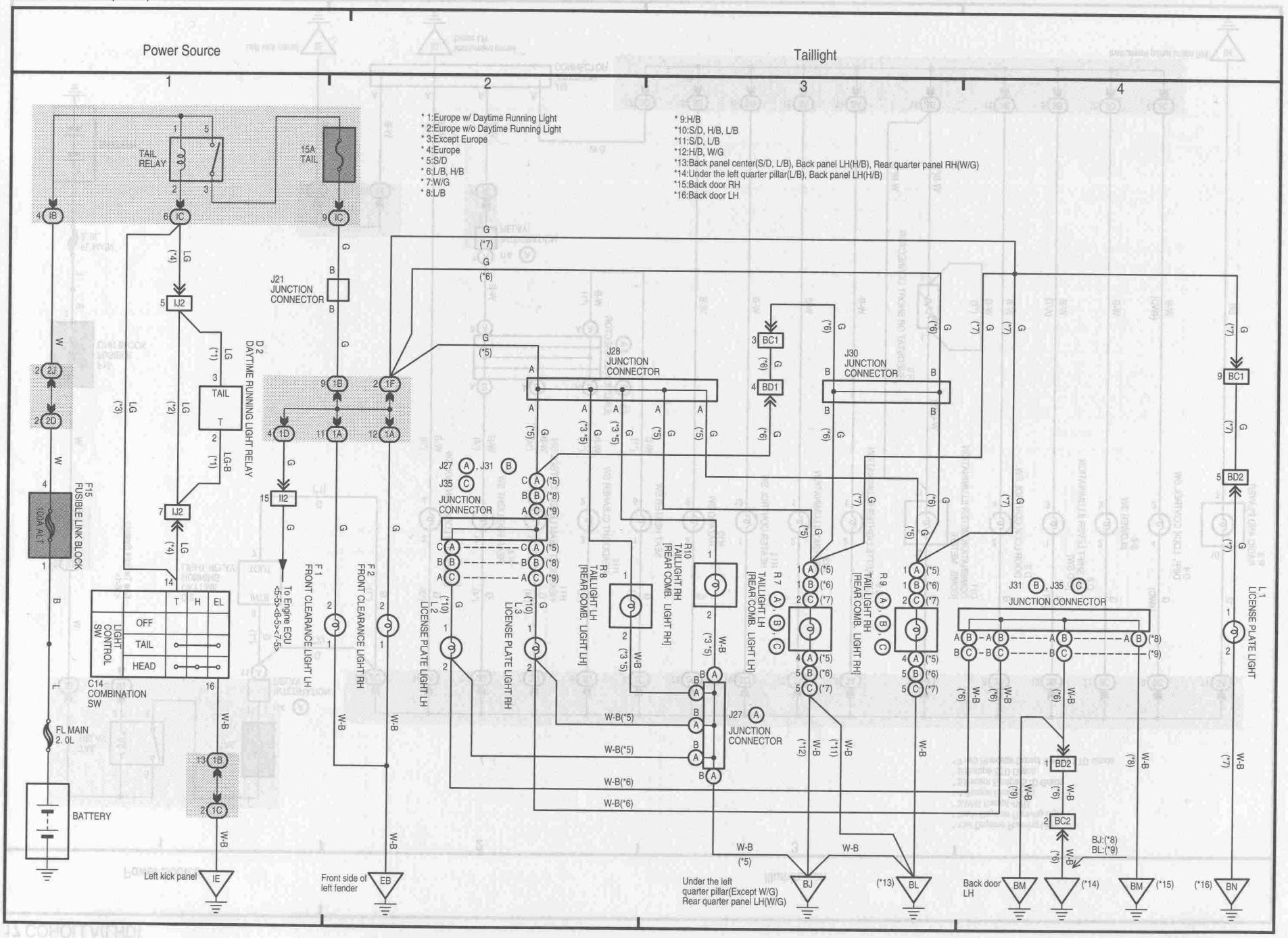

Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
* 1:w/ Daytime Running Light
* 2:w/o Daytime Running Light
* 3:H/B
* 4:L/B
* 5:S/D
* 6:W/G
* 7:Under the left quarter pillar(H/B), Back panel Center(L/B)
* 8:Back door LH
* 9:Rear quarter panel RH
TAIL RELAY
15A TAIL
15A FOG
7.5A ECU-B
See Taillight System <16-1>
J21 JUNCTION CONNECTOR
F16 FOG LIGHT RELAY
J7 JUNCTION CONNECTOR
From HEAD Relay <10-1>
To Light Control SW[Comb. SW] <9-3><10-1>
See Illumination System<17-2>
R4 REAR FOG LIGHT SW
FS
B
HR
LH
ILL+
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2.0L
BATTERY
C14 COMBINATION SW
LIGHT CONTROL SW
FOG LIGHT SW
T
H
EL
BFG
LFG
OFF
TAIL
HEAD
OFF
ON
F3 FRONT FOG LIGHT LH
F4 FRONT FOG LIGHT RH
To Daytime Running Light Relay<3-1>
J8 JUNCTION CONNECTOR
J9 JUNCTION CONNECTOR
J6 JUNCTION CONNECTOR
J7 JUNCTION CONNECTOR
I4 INTEGRATION RELAY
REAR FOG LIGHT INDICATOR LIGHT [COMB. METER]
REAR FOG LIGHT LH [REAR COMB. LIGHT LH]
R11 REAR FOG LIGHT
J27 JUNCTION CONNECTOR
J12 JUNCTION CONNECTOR
BJ:(*3) BL:(*4)
Front side of left fender
Left kick panel
Instrument panel brace LH
Under the left quarter pillar


Power Source
Turn Signal and Hazard Warning Light
Back-Up Light
1
2
3
4
* 1:S/D, L/B, H/B
* 2:H/B, L/B, W/G
* 3:L/B Europe
* 4:L/B Except Europe
* 5:Except W/G, L/B Europe
* 6:Under the left quarter pillar(Except W/G), Rear quarter panel LH(W/G)
* 7:Back panel center(S/D, L/B), Back panel LH(H/B), Rear quarter panel RH(W/G)
I13 IGNITION SW
ACC
IG1
ST1
AM1
B-Y
SHORT PIN
7.5A TURN
10A GAUGE
I14 INTEGRATION RELAY
J13, J14 JUNCTION CONNECTOR
N1 BACK-UP LIGHT SW [NEUTRAL START SW](A/T)
B1 BACK-UP LIGHT SW(M/T)
(M/T)
(A/T)
H10 HAZARD SW
OFF
ON
F TB B1 TL B2 TR
C14 TURN SIGNAL SW [COMB. SW]
LH
RH
TL TB TR
50A AM1
10A HAZARD
FLASHER RELAY
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2.0L
BATTERY
C10, C11, C12 TURN SIGNAL INDICATOR LIGHT [COMB. METER]
F7 FRONT TURN SIGNAL LIGHT LH
F8 FRONT TURN SIGNAL LIGHT RH
F5 FRONT SIDE TURN SIGNAL LIGHT LH
F6 FRONT SIDE TURN SIGNAL LIGHT RH
R7 REAR TURN SIGNAL LIGHT LH [REAR COMB. LIGHT LH]
R9 REAR TURN SIGNAL LIGHT RH [REAR COMB. LIGHT RH]
R7, R8 BACK-UP LIGHT LH [REAR COMB. LIGHT LH]
R9, R10 BACK-UP LIGHT RH [REAR COMB. LIGHT RH]
J27, J29, J34 JUNCTION CONNECTOR
J12 JUNCTION CONNECTOR
Left kick panel
Instrument panel brace LH
Front side of left fender
Right kick panel
(S/D)
(*4)
(H/B)
(W/G)
(Except S/D)
(*1)
(*2)
(*3)
(*5)
(*6)
(*7)

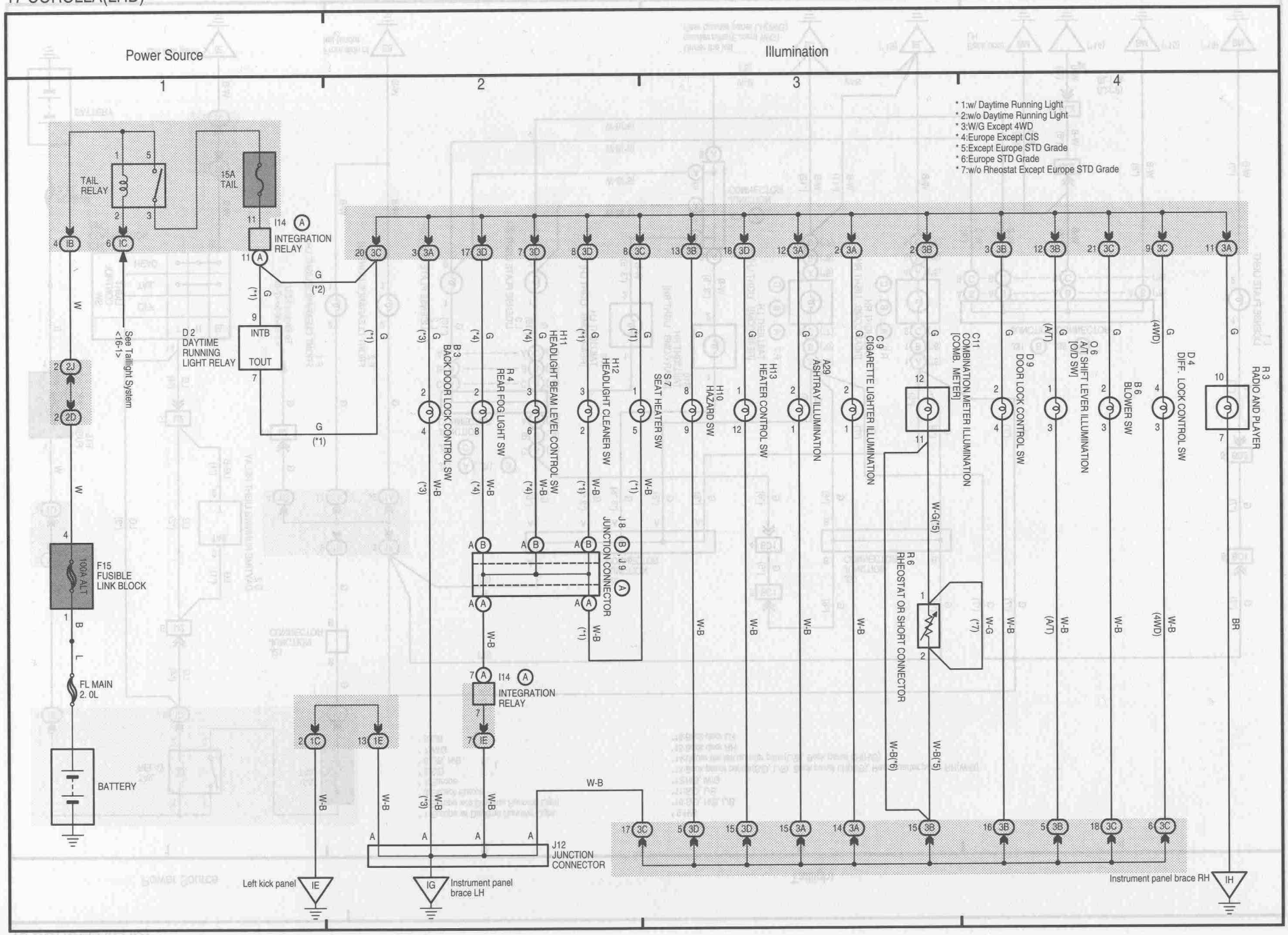

Power Source
Stop Light
1
2
3
4
* 1:Except W/G
* 2:w/ Rear Spoiler
* 3:w/o Rear Spoiler
* 4:Under the left quarter pillar
* 5:Back panel center(S/D, L/B), Back panel LH(H/B)
* 6:Under the right quarter pillar
* 7:Rear quarter panel LH
* 8:Rear quarter panel RH
R-W
S13 STOP LIGHT SW
15A STOP
To ABS ECU<23-3><24-3>
G-W
G-W (W/G)
(*1)
J28 A, J30 B, C
JUNCTION CONNECTOR
(S/D)
(L/B)
(H/B)
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
R 7 A, B
STOP LIGHT LH [REAR COMB. LIGHT LH]
R 9 A, B
STOP LIGHT RH [REAR COMB. LIGHT RH]
(L/B, H/B)
W-B(S/D, L/B)
W-B(H/B)
W-B
H14 HIGH MOUNTED STOP LIGHT
J27 JUNCTION CONNECTOR
J32 JUNCTION CONNECTOR
J31 JUNCTION CONNECTOR
(*2)
(*3)
W-B(*2)
Back door RH
Back door LH
Back panel LH
(*4)
(*5)
(*6)
(*7)
(*8)
BJ
BL
BM
BN
BC1
BC2
BD1
BE1

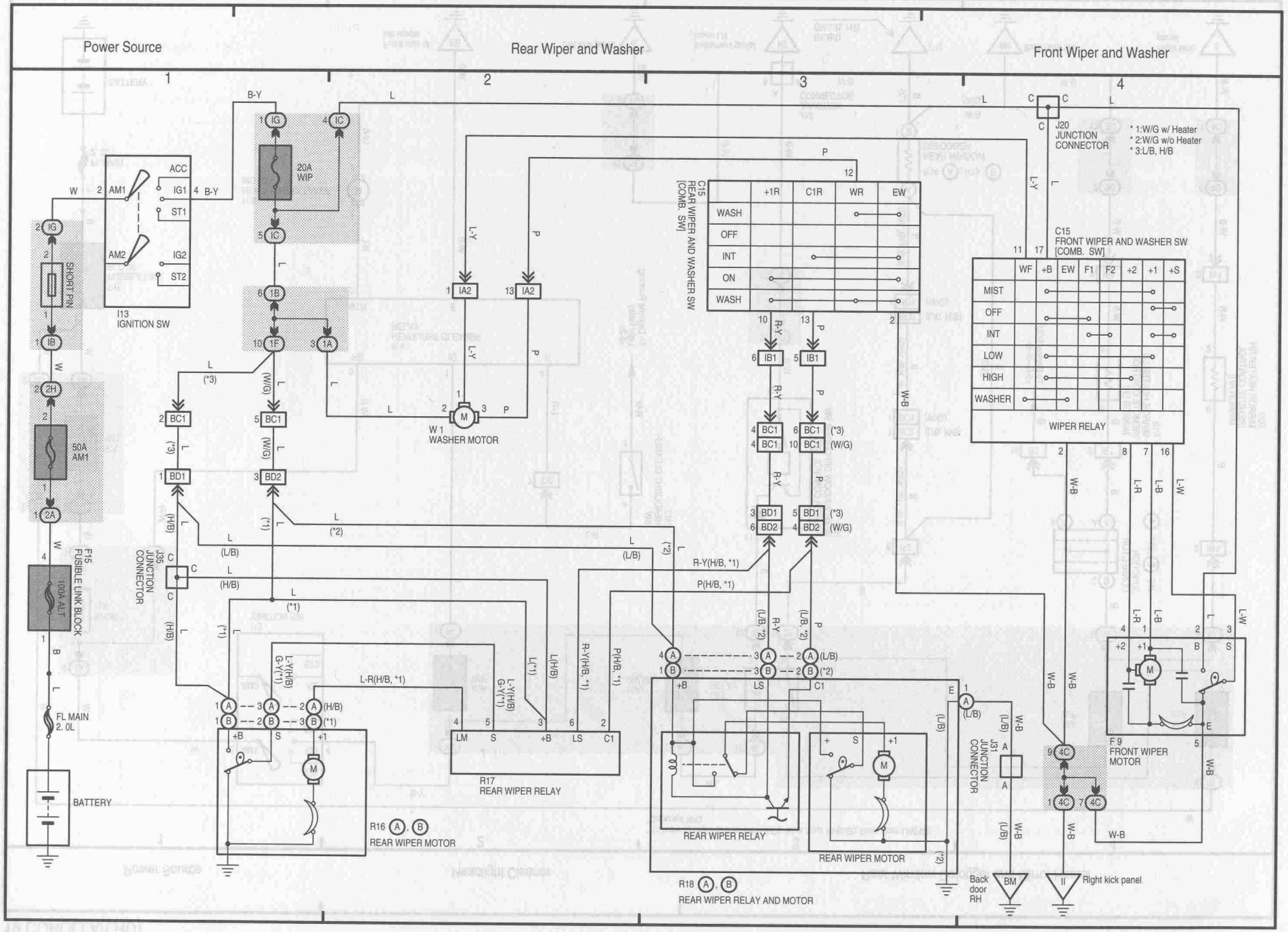

Power Source
Interior Light(S/D)
Interior Light(L/B)
1
2
3
4
* 1:w/ Moon Roof
* 2:w/o Moon Roof
* 3:Europe
* 4:Except Europe
* 5:Europe w/o Door Lock Control
* 6:Europe w/ Door Lock Control
L-Y (S/D)
L-Y (L/B)
L-Y (*1)
L-Y (*2)
M2 PERSONAL LIGHT [MOON ROOF CONTROL SW]
I16 INTERIOR LIGHT
DOOR
ON OFF
C12 B, C13 A
OPEN DOOR WARNING LIGHT [COMB. METER]
From Transponder key Computer <6-8><7-8><8-8>
L4 LUGGAGE COMPARTMENT LIGHT
J10 B, J11 A
JUNCTION CONNECTOR
J27 JUNCTION CONNECTOR
J29 JUNCTION CONNECTOR
D5 DIODE (Door Courtesy)
D10 DIODE (Door Courtesy)
IF2
L5 LUGGAGE COMPARTMENT LIGHT SW
15A DOME
I4 INTEGRATION RELAY
J21 JUNCTION CONNECTOR
From Door Control Receiver<21-7>
FL MAIN 2. 0L
BATTERY
IE Left kick panel
D11 DOOR COURTESY SW FRONT LH
D12 DOOR COURTESY SW FRONT RH
D13 DOOR COURTESY SW REAR LH
D14 DOOR COURTESY SW REAR RH
R-W
R-G
W-B
B
L

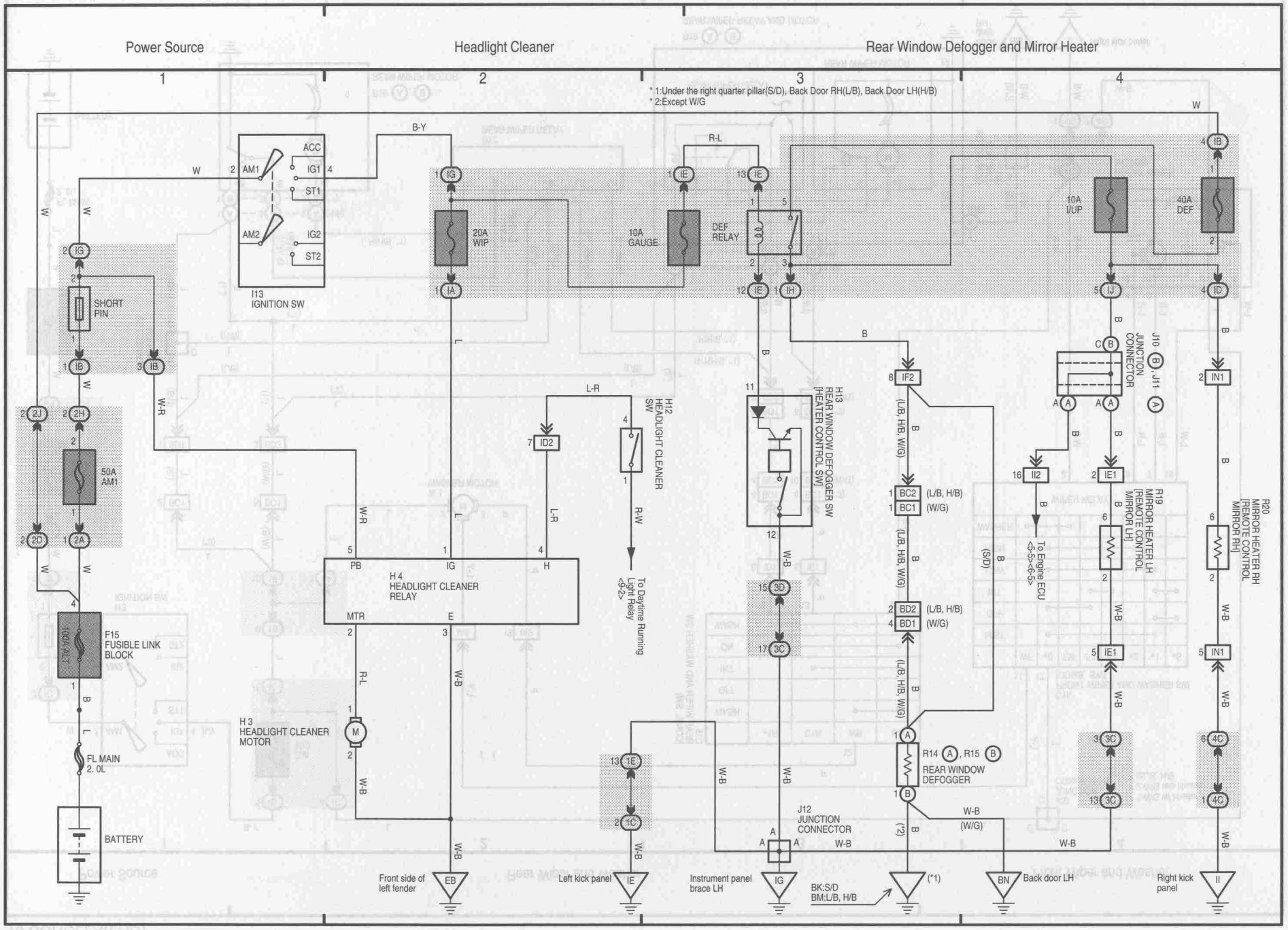

Power Source
Interior Light(H/B)
Interior Light(W/G)
1
2
3
4
* 1:w/ Moon Roof
* 2:w/o Moon Roof
* 3:Europe
* 4:Except Europe
* 5:w/ Heater
* 6:w/o Heater
15A DOME
FL MAIN 2. 0L
BATTERY
Left kick panel
M2 PERSONAL LIGHT [MOON ROOF CONTROL SW]
I16 INTERIOR LIGHT
L4 LUGGAGE COMPARTMENT LIGHT
J34 JUNCTION CONNECTOR
D10 DIODE (Door Courtesy)
C12 B, C13 A
OPEN DOOR WARNING LIGHT [COMB. METER]
L5 LUGGAGE COMPARTMENT LIGHT SW
J10 B, J11 A JUNCTION CONNECTOR
I14 A INTEGRATION RELAY
From Door Control Receiver<21-7>
From Transponder Key Computer<6-8>
From Transponder Key Computer <5-8><6-8><7-8><8-8>
D11 DOOR COURTESY SW FRONT LH
D12 DOOR COURTESY SW FRONT RH
P4 PERSONAL LIGHT
D5 DIODE (Door Courtesy)
J21 JUNCTION CONNECTOR
From Door Control Receiver <21-7>
D13 DOOR COURTESY SW REAR LH
D14 DOOR COURTESY SW REAR RH
BACK DOOR COURTESY SW
Back door LH

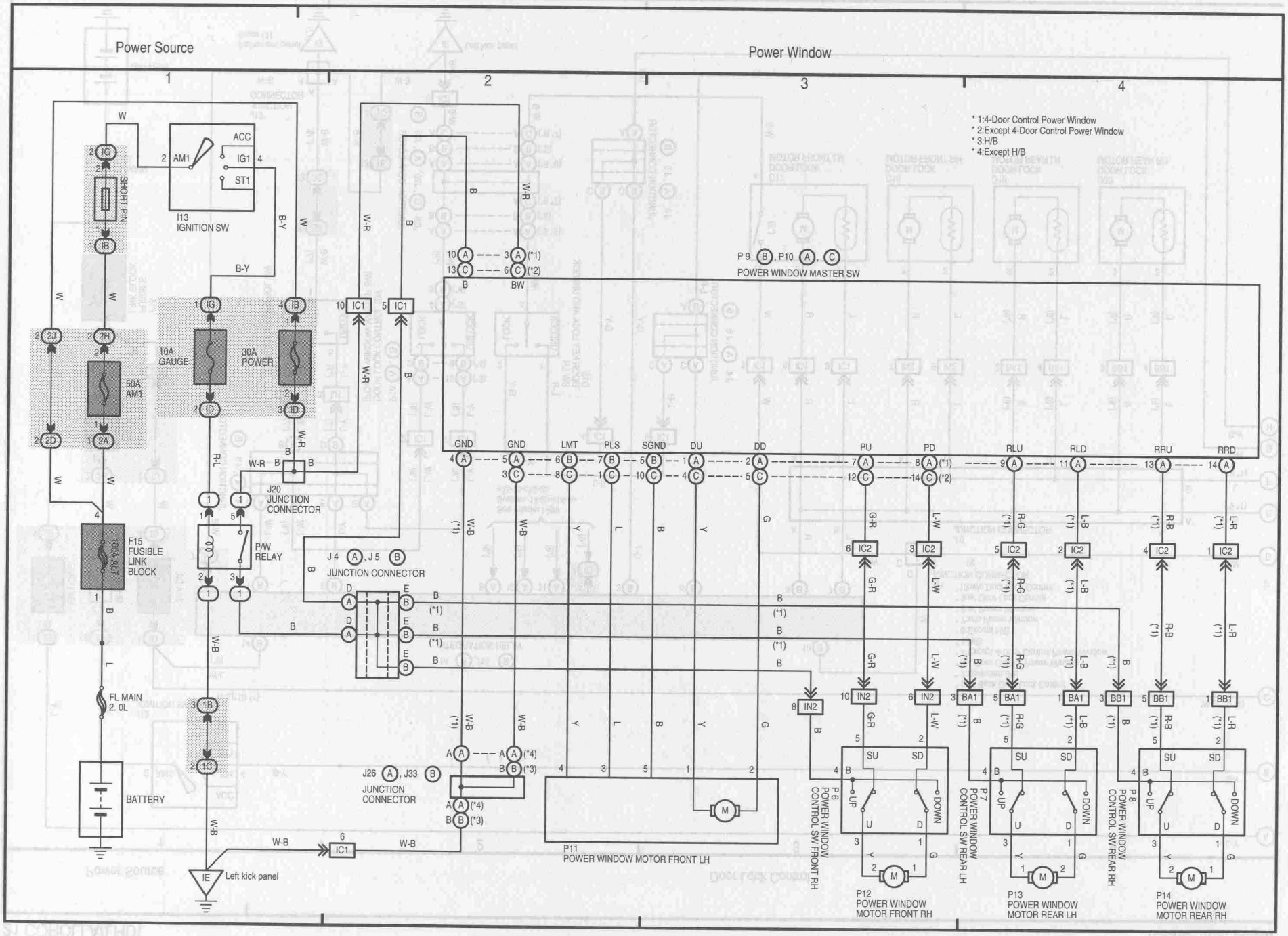

Power Source
Taillight
1
2
3
4
* 1:Europe w/ Daytime Running Light
* 2:Europe w/o Daytime Running Light
* 3:Except Europe
* 4:Europe
* 5:S/D
* 6:L/B, H/B
* 7:W/G
* 8:L/B
* 9:H/B
*10:S/D, H/B, L/B
*11:S/D, L/B
*12:H/B, W/G
*13:Back panel center(S/D, L/B), Back panel LH(H/B), Rear quarter panel RH(W/G)
*14:Under the left quarter pillar(L/B), Back panel LH(H/B)
*15:Back door RH
*16:Back door LH
TAIL RELAY
15A TAIL
J21 JUNCTION CONNECTOR
D2 DAYTIME RUNNING LIGHT RELAY
TAIL
F15 FUSIBLE LINK BLOCK
100A ALT
LIGHT CONTROL SW
OFF
TAIL
HEAD
T
H
EL
C14 COMBINATION SW
To Engine ECU <5>5><6>5><7>5>
F1 FRONT CLEARANCE LIGHT LH
F2 FRONT CLEARANCE LIGHT RH
FL MAIN 2. 0L
BATTERY
Left kick panel
Front side of left fender
J28 JUNCTION CONNECTOR
J27 A, J31 B
J35 C
JUNCTION CONNECTOR
L2 LICENSE PLATE LIGHT LH
L3 LICENSE PLATE LIGHT RH
R8 TAILLIGHT LH [REAR COMB. LIGHT LH]
R10 TAILLIGHT RH [REAR COMB. LIGHT RH]
R7 A, B, C TAILLIGHT LH [REAR COMB. LIGHT LH]
R9 A, B, C TAIL LIGHT RH [REAR COMB. LIGHT RH]
J30 JUNCTION CONNECTOR
J31 B, J35 C
JUNCTION CONNECTOR
L1 LICENSE PLATE LIGHT
J27 A JUNCTION CONNECTOR
W-B(*5)
W-B(*6)
BJ:(*8)
BL:(*9)
Under the left quarter pillar(Except W/G) Rear quarter panel LH(W/G)
Back door LH

17 COROLLA(LHD)

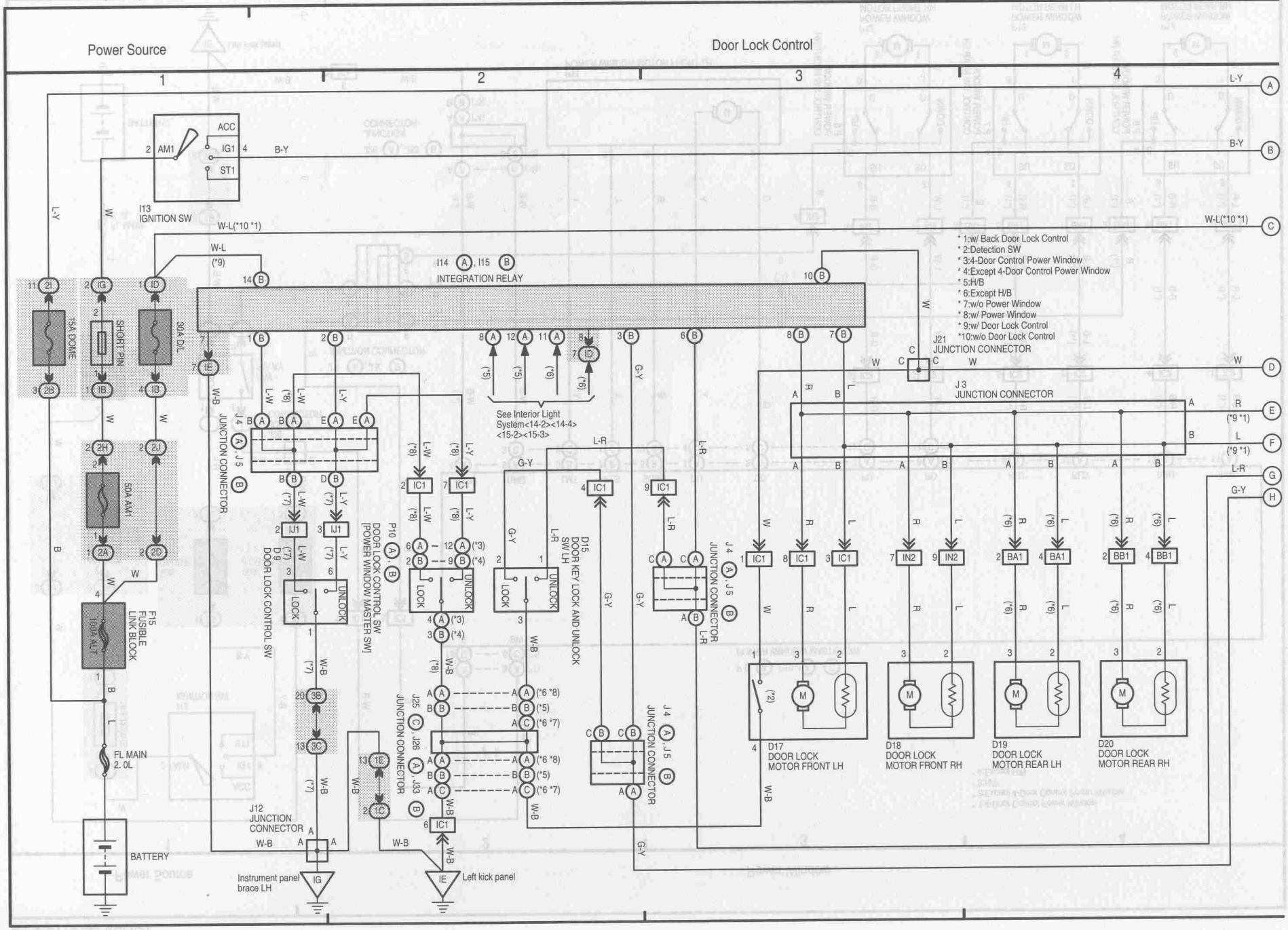



Power Source
Rear Wiper and Washer
Front Wiper and Washer
1
2
3
4
I13
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
50A
AM1
F15
FUSIBLE LINK BLOCK
100A ALT
FL MAIN
2. 0L
BATTERY
20A
WIP
J35
JUNCTION
CONNECTOR
W 1
WASHER MOTOR
C15
REAR WIPER AND WASHER SW
[COMB. SW]
WASH
OFF
INT
ON
WASH
+1R
C1R
WR
EW
R16 (A), (B)
REAR WIPER MOTOR
R17
REAR WIPER RELAY
R18 (A), (B)
REAR WIPER RELAY AND MOTOR
REAR WIPER RELAY
REAR WIPER MOTOR
J31
JUNCTION
CONNECTOR
Back
door
RH
Right kick panel
J20
JUNCTION
CONNECTOR
* 1:W/G w/ Heater
* 2:W/G w/o Heater
* 3:L/B, H/B
C15
FRONT WIPER AND WASHER SW
[COMB. SW]
WF
+B
EW
F1
F2
+2
+1
+S
MIST
OFF
INT
LOW
HIGH
WASHER
WIPER RELAY
F 9
FRONT WIPER
MOTOR

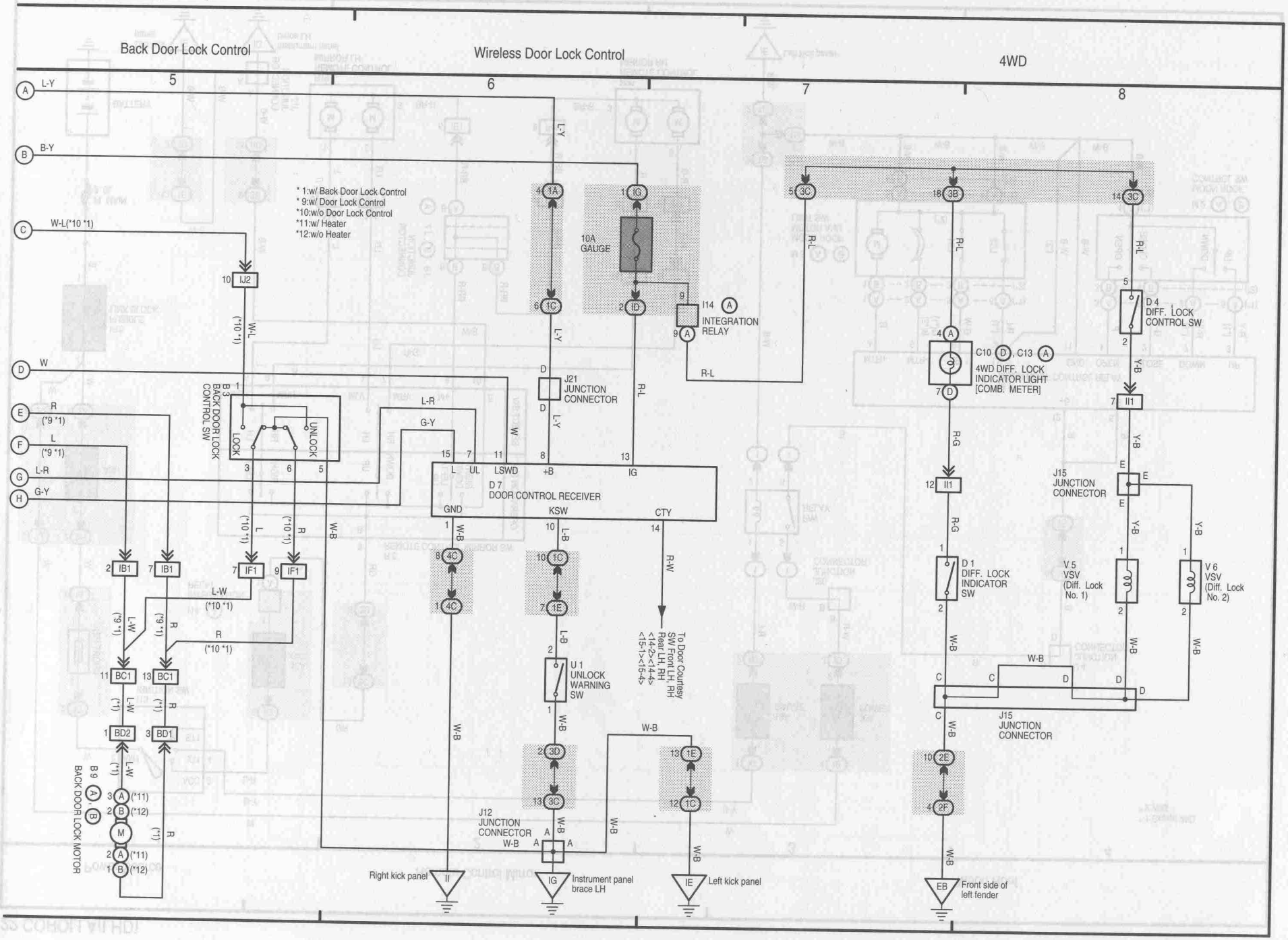

Power Source
Headlight Cleaner
Rear Window Defogger and Mirror Heater
1
2
3
4
* 1:Under the right quarter pillar(S/D), Back Door RH(L/B), Back Door LH(H/B)
* 2:Except W/G
I13 IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
50A AM1
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
20A WIP
10A GAUGE
DEF RELAY
10A I/UP
40A DEF
H 4 HEADLIGHT CLEANER RELAY
H 3 HEADLIGHT CLEANER MOTOR
H12 HEADLIGHT CLEANER SW
To Daytime Running Light Relay <9-2>
H13 REAR WINDOW DEFOGGER SW [HEATER CONTROL SW]
J12 JUNCTION CONNECTOR
J10 JUNCTION CONNECTOR
J10 B, J11 A
To Engine ECU <5-5><6-5>
R14 A, R15 B
REAR WINDOW DEFOGGER
R19 MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
R20 MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
Front side of left fender
Left kick panel
Instrument panel brace LH
BK:S/D
BM:L/B, H/B
Back door LH
Right kick panel

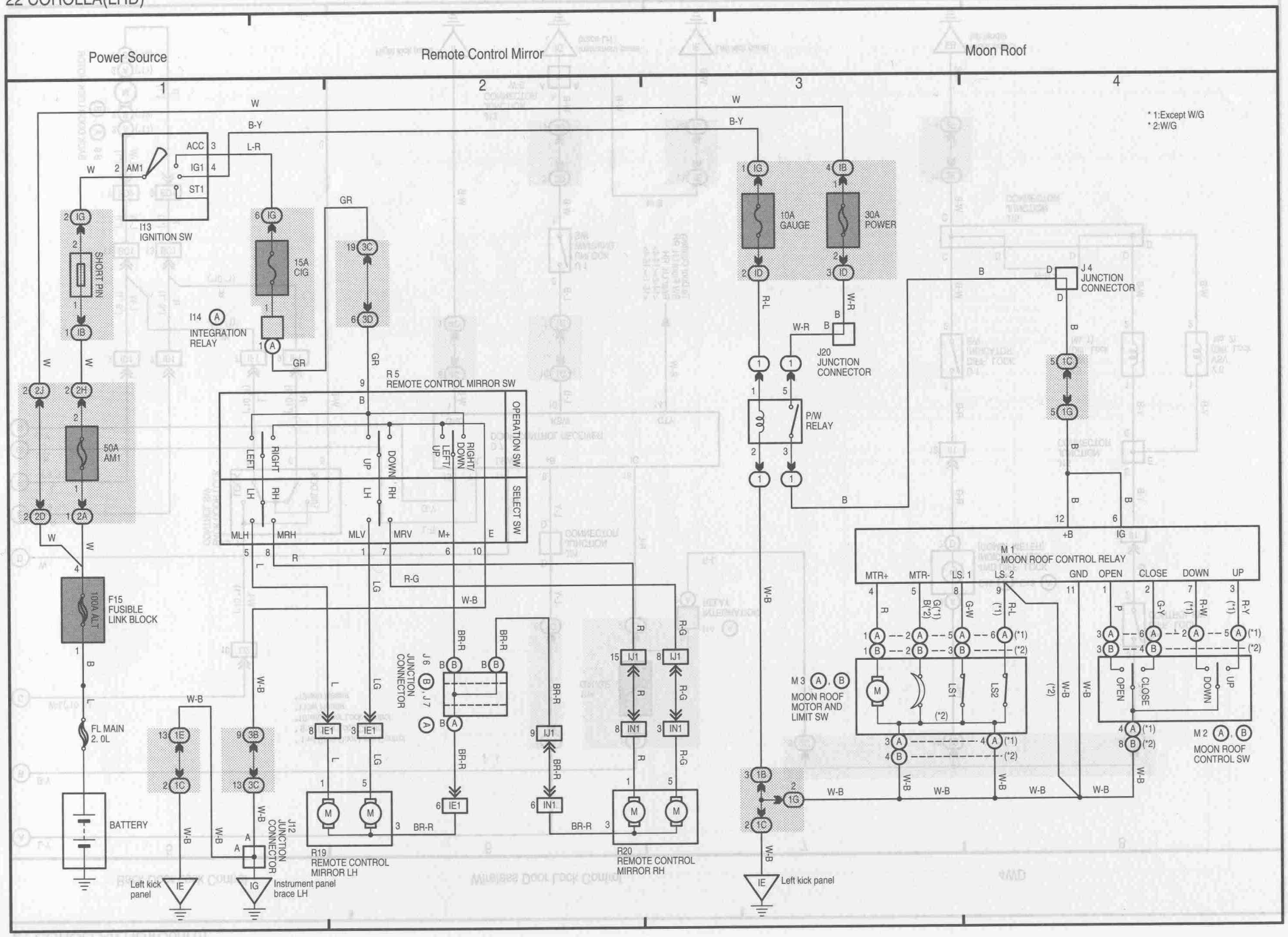

Power Source
Power Window
1
2
3
4
* 1:4-Door Control Power Window
* 2:Except 4-Door Control Power Window
* 3:H/B
* 4:Except H/B
ACC
IG1
ST1
AM1
I13
IGNITION SW
SHORT PIN
50A AM1
10A GAUGE
30A POWER
F15 FUSIBLE LINK BLOCK
100A ALT
P/W RELAY
J20 JUNCTION CONNECTOR
J4 A, J5 B
JUNCTION CONNECTOR
J26 A, J33 B
JUNCTION CONNECTOR
FL MAIN 2. 0L
BATTERY
Left kick panel
P9 B, P10 A, C
POWER WINDOW MASTER SW
GND
LMT
PLS
SGND
DU
DD
PU
PD
RLU
RLD
RRU
RRD
P11
POWER WINDOW MOTOR FRONT LH
P6
POWER WINDOW CONTROL SW FRONT RH
P7
POWER WINDOW CONTROL SW REAR LH
P8
POWER WINDOW CONTROL SW REAR RH
P12
POWER WINDOW MOTOR FRONT RH
P13
POWER WINDOW MOTOR REAR LH
P14
POWER WINDOW MOTOR REAR RH
SU
SD
UP
DOWN

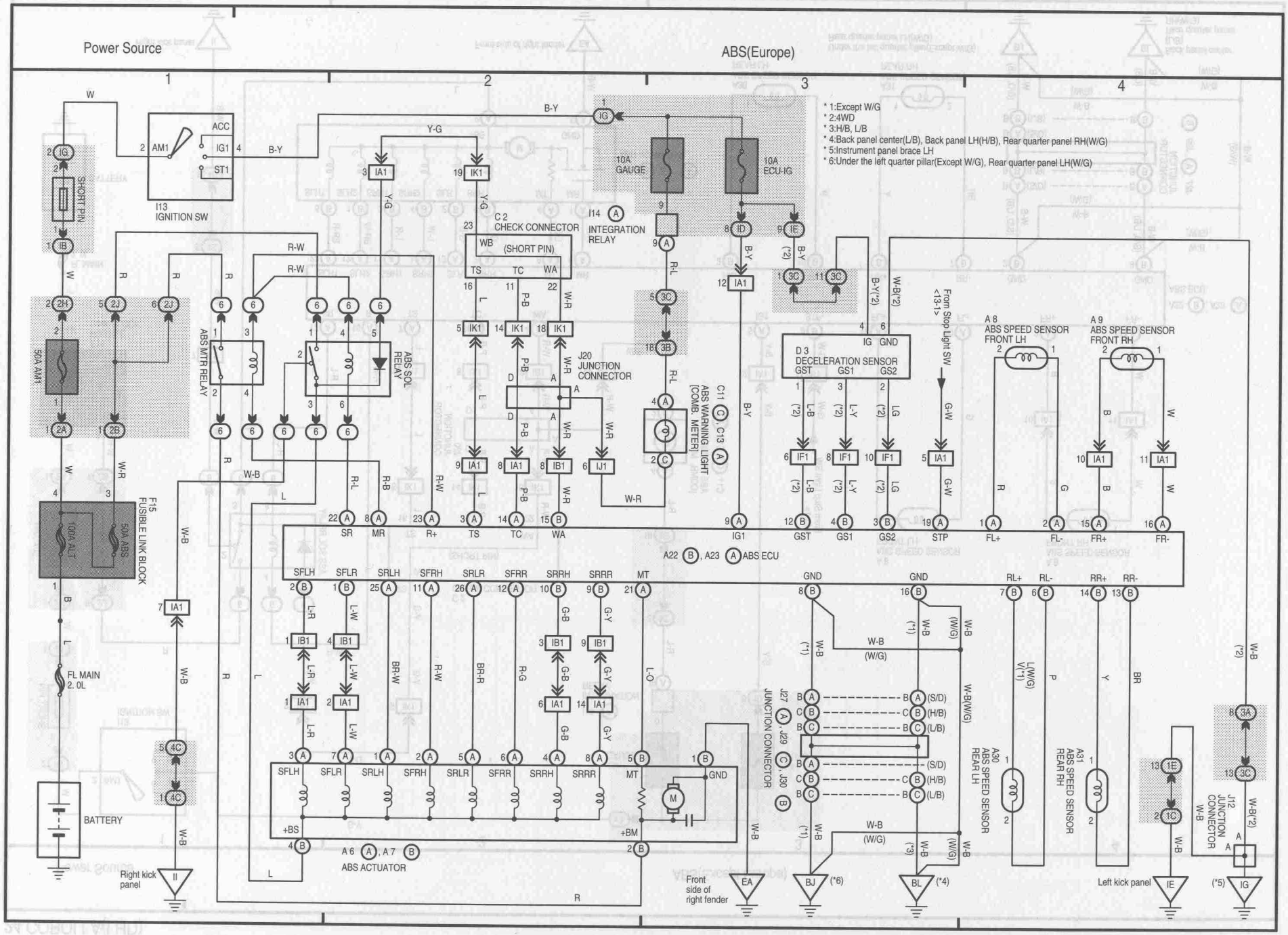
(Cont. next page)

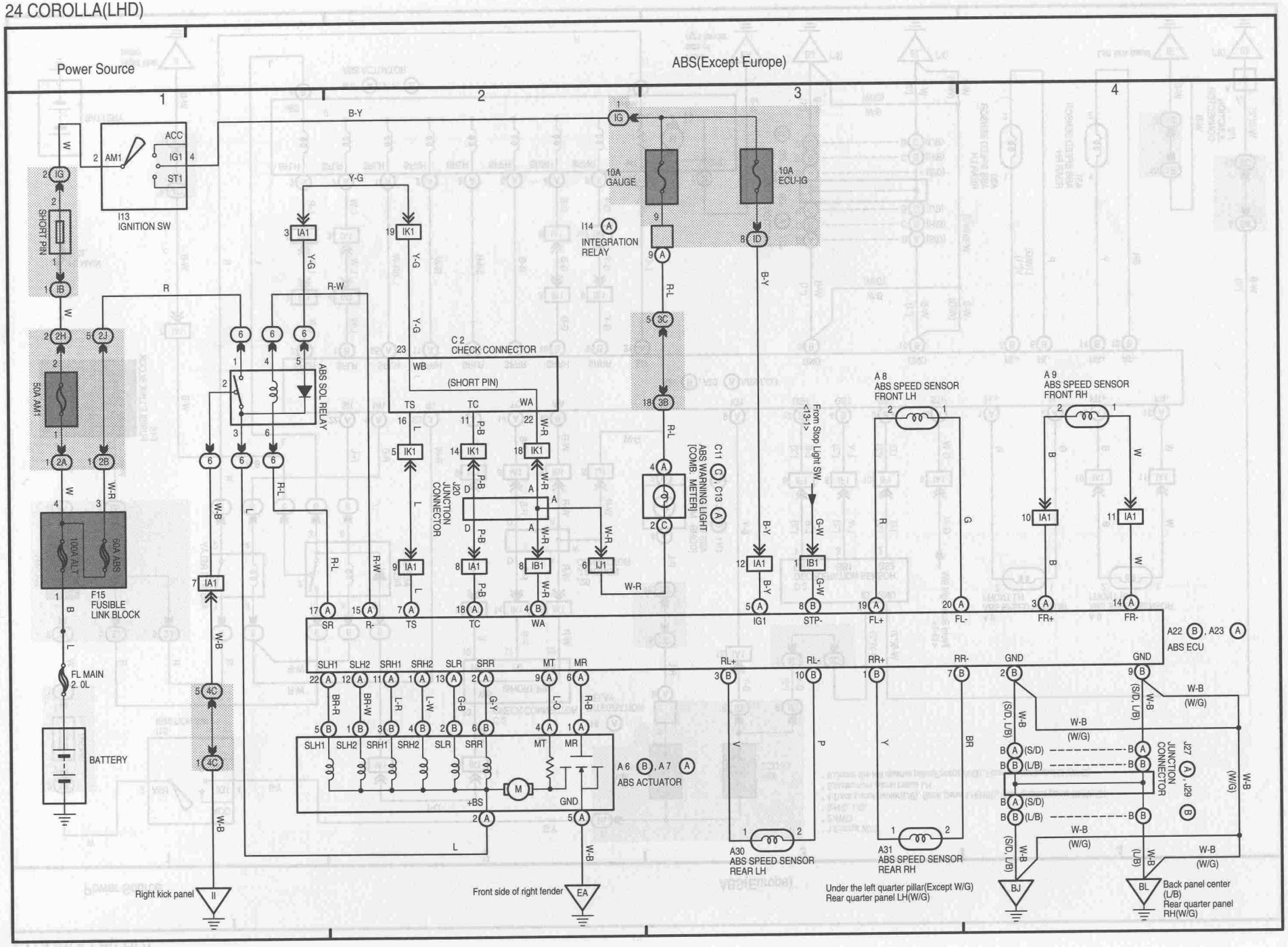


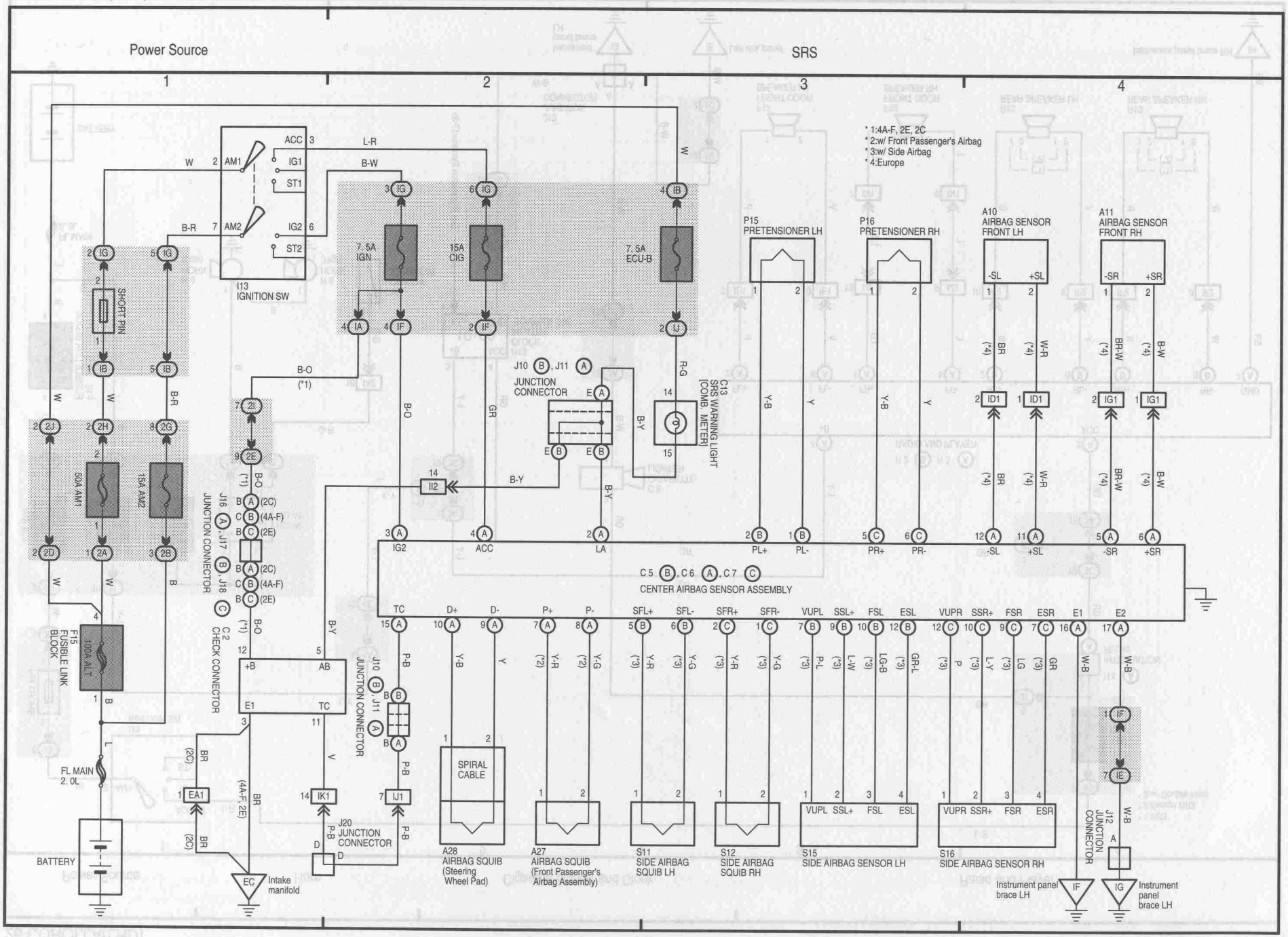
21 COROLLA(LHD)(Cont'd)

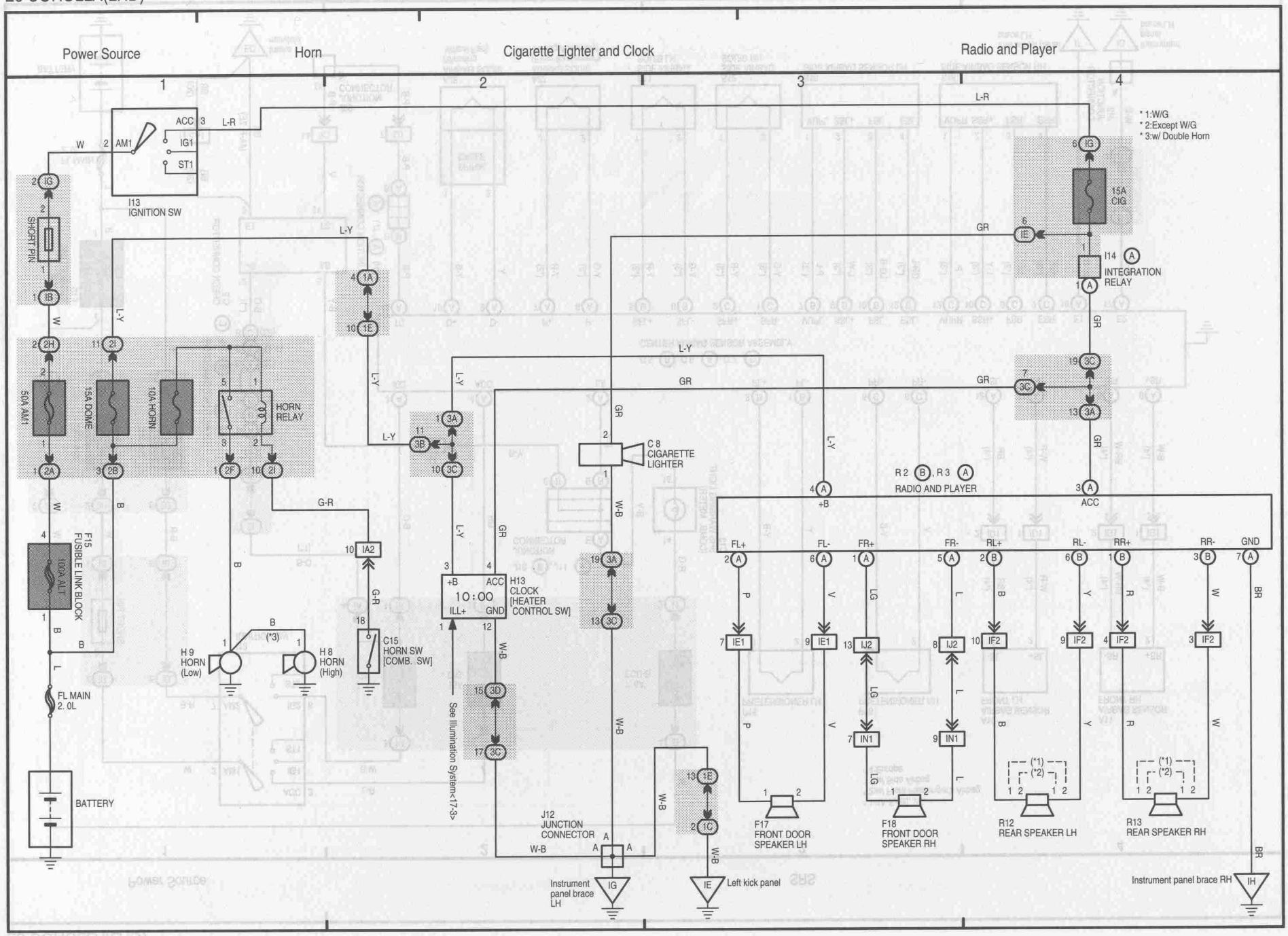


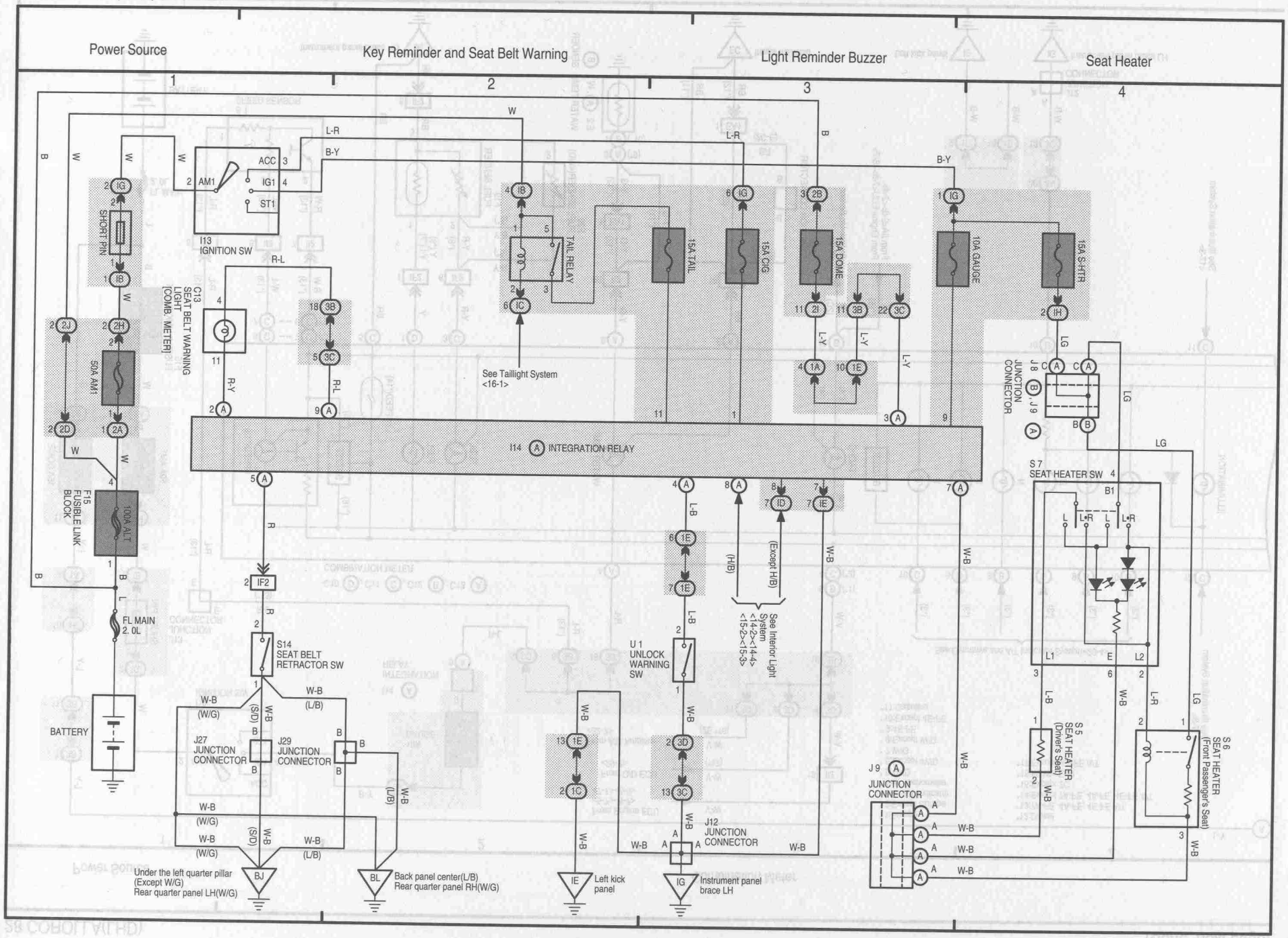

Power Source
Remote Control Mirror
Moon Roof
1
2
3
4
* 1:Except W/G
* 2:W/G
I13 IGNITION SW
ACC
IG1
ST1
AM1
SHORT PIN
15A CIG
I14 INTEGRATION RELAY
50A AM1
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
Left kick panel
Instrument panel brace LH
R 5 REMOTE CONTROL MIRROR SW
OPERATION SW
SELECT SW
LEFT
RIGHT
UP
DOWN
LEFT/UP
RIGHT/DOWN
LH
RH
MLH
MRH
MLV
MRV
M+
E
J6 JUNCTION CONNECTOR
J7
J12 JUNCTION CONNECTOR
R19 REMOTE CONTROL MIRROR LH
R20 REMOTE CONTROL MIRROR RH
10A GAUGE
30A POWER
J20 JUNCTION CONNECTOR
P/W RELAY
Left kick panel
J 4 JUNCTION CONNECTOR
M 1 MOON ROOF CONTROL RELAY
MTR+
MTR-
LS. 1
LS. 2
GND
OPEN
CLOSE
DOWN
UP
+B
IG
M 3 MOON ROOF MOTOR AND LIMIT SW
M 2 MOON ROOF CONTROL SW


Power Source
ABS(Europe)
1
2
3
4
* 1:Except W/G
* 2:4WD
* 3:H/B, L/B
* 4:Back panel center(L/B), Back panel LH(H/B), Rear quarter panel RH(W/G)
* 5:Instrument panel brace LH
* 6:Under the left quarter pillar(Except W/G), Rear quarter panel LH(W/G)
I13 IGNITION SW
ACC
IG1
ST1
AM1
SHORT PIN
50A AM1
F15 FUSIBLE LINK BLOCK
100A ALT
50A ABS
FL MAIN 2. 0L
BATTERY
Right kick panel
ABS MTR RELAY
ABS SOL RELAY
C 2 CHECK CONNECTOR
WB (SHORT PIN)
TS
TC
WA
J20 JUNCTION CONNECTOR
10A GAUGE
10A ECU-IG
I14 INTEGRATION RELAY
C11, C13 ABS WARNING LIGHT [COMB. METER]
D 3 DECELERATION SENSOR
GST
GS1
GS2
IG
GND
From Stop Light SW <13-1>
A 8 ABS SPEED SENSOR FRONT LH
A 9 ABS SPEED SENSOR FRONT RH
A22, A23 ABS ECU
SR
MR
R+
IG1
STP
FL+
FL-
FR+
FR-
SFLH
SFLR
SRLH
SFRH
SRLR
SFRR
SRRH
SRRR
MT
RL+
RL-
RR+
RR-
+BS
+BM
A 6, A 7 ABS ACTUATOR
J27, J29, J30 JUNCTION CONNECTOR
A30 ABS SPEED SENSOR REAR LH
A31 ABS SPEED SENSOR REAR RH
J12 JUNCTION CONNECTOR
Front side of right fender
Left kick panel

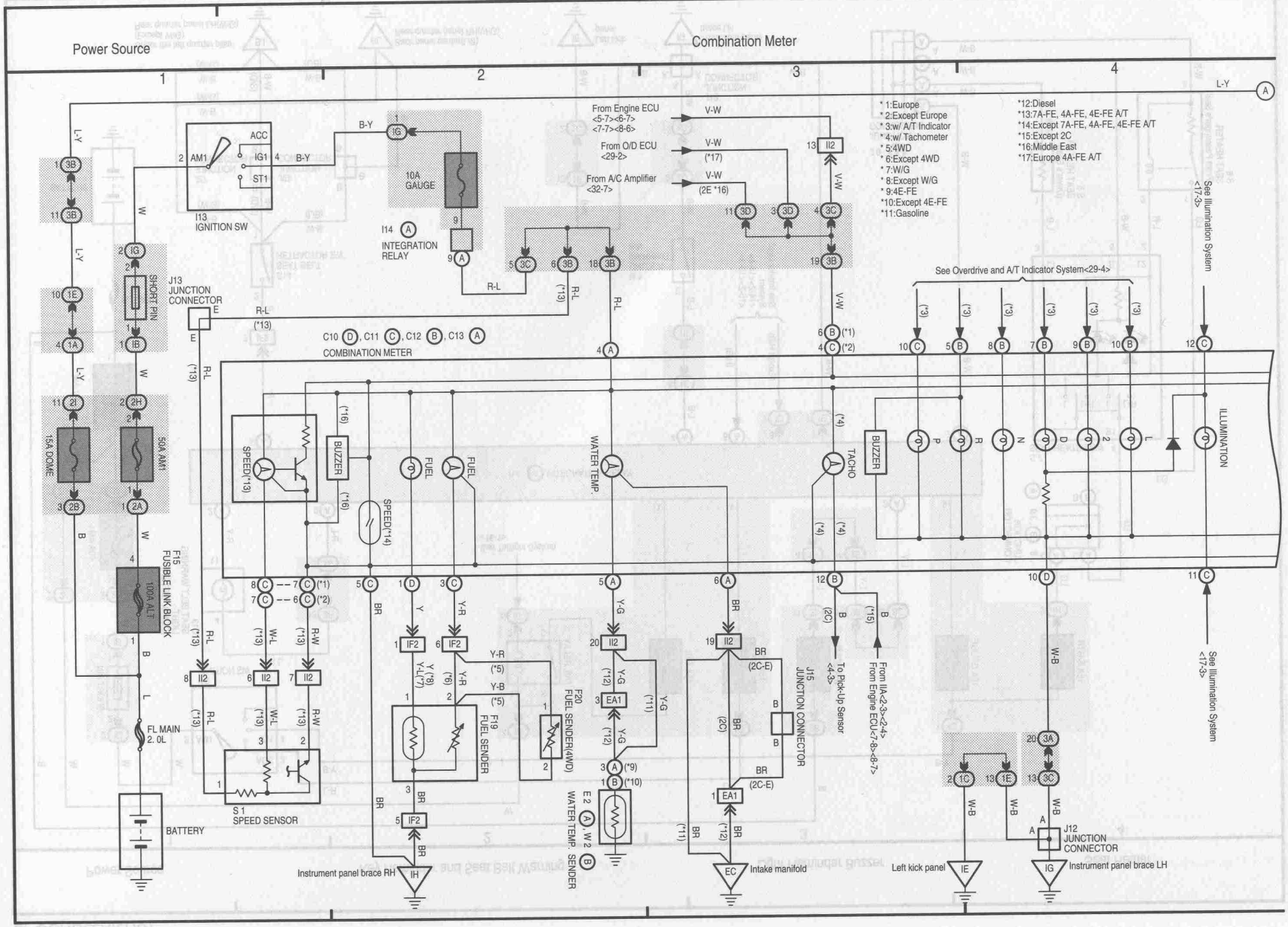

Power Source
ABS(Except Europe)
1
2
3
4
I13
IGNITION SW
ACC
AM1
IG1
ST1
SHORT PIN
50A AM1
100A ALT
60A ABS
F15
FUSIBLE
LINK BLOCK
FL MAIN
2. 0L
BATTERY
ABS SOL RELAY
C 2
CHECK CONNECTOR
(SHORT PIN)
J20
JUNCTION
CONNECTOR
10A
GAUGE
10A
ECU-IG
I14
INTEGRATION
RELAY
C11, C13
ABS WARNING LIGHT
[COMB. METER]
From Stop Light SW
<13>1>
A 8
ABS SPEED SENSOR
FRONT LH
A 9
ABS SPEED SENSOR
FRONT RH
A22, A23
ABS ECU
A6, A7
ABS ACTUATOR
A30
ABS SPEED SENSOR
REAR LH
A31
ABS SPEED SENSOR
REAR RH
J27, J29
JUNCTION
CONNECTOR
Right kick panel
Front side of right fender
Under the left quarter pillar(Except W/G)
Rear quarter panel LH(W/G)
Back panel center
(L/B)
Rear quarter panel
RH(W/G)

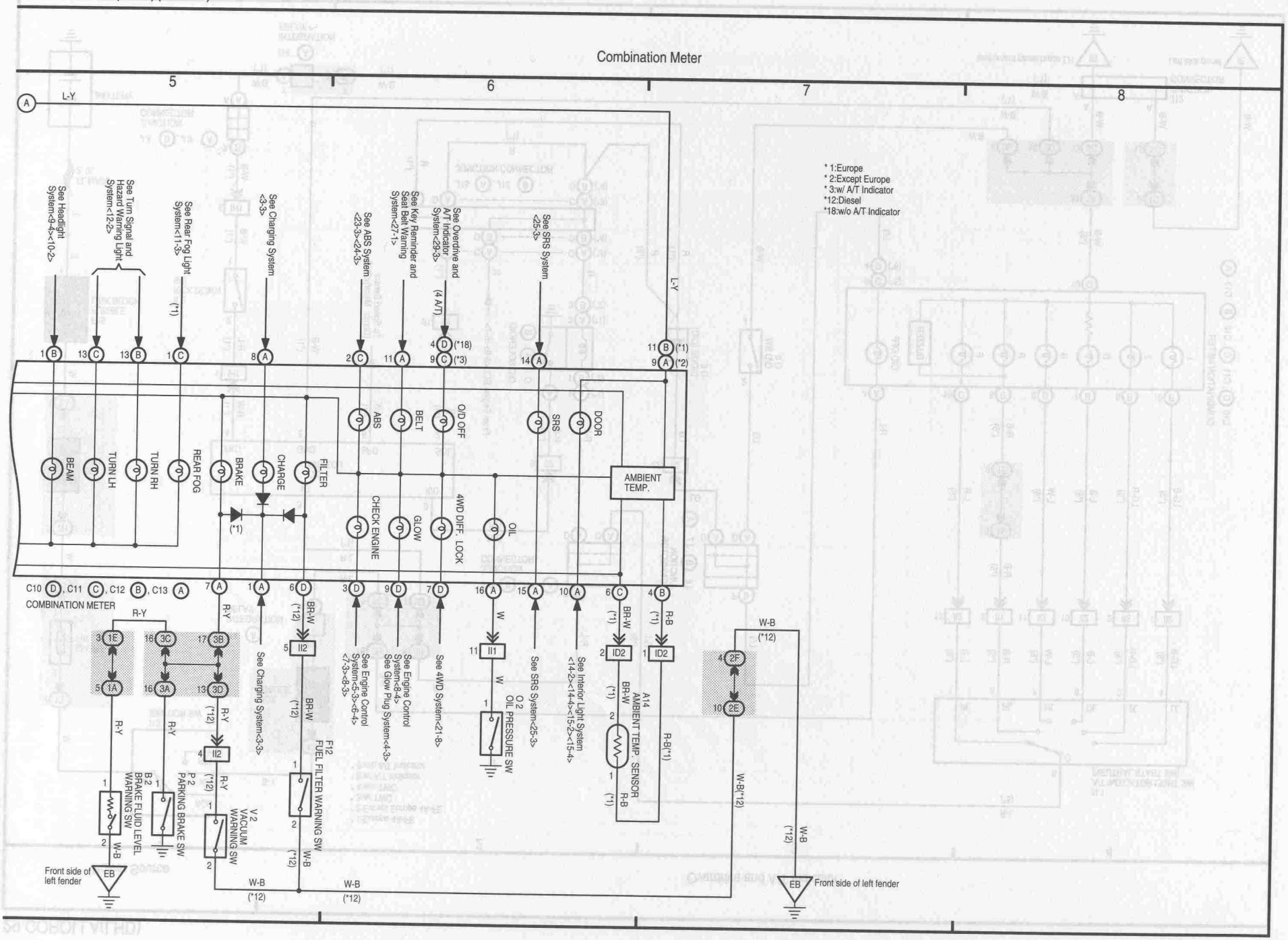

Power Source
SRS
1
2
3
4
* 1:4A-F, 2E, 2C
* 2:w/ Front Passenger's Airbag
* 3:w/ Side Airbag
* 4:Europe
I13 IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
SHORT PIN
7.5A IGN
15A CIG
7.5A ECU-B
50A AM1
15A AM2
100A ALT
F15 FUSIBLE LINK BLOCK
FL MAIN 2.0L
BATTERY
J10 (B), J11 (A) JUNCTION CONNECTOR
C13 SRS WARNING LIGHT [COMB. METER]
J16 (A), J17 (B), J18 (C) JUNCTION CONNECTOR
C2 CHECK CONNECTOR
J10 (B), J11 (A) JUNCTION CONNECTOR
J20 JUNCTION CONNECTOR
EC Intake manifold
P15 PRETENSIONER LH
P16 PRETENSIONER RH
A10 AIRBAG SENSOR FRONT LH
A11 AIRBAG SENSOR FRONT RH
C5 (B), C6 (A), C7 (C) CENTER AIRBAG SENSOR ASSEMBLY
IG2
ACC
LA
PL+
PL-
PR+
PR-
-SL
+SL
-SR
+SR
TC
D+
D-
P+
P-
SFL+
SFL-
SFR+
SFR-
VUPL
SSL+
FSL
ESL
VUPR
SSR+
FSR
ESR
E1
E2
SPIRAL CABLE
A28 AIRBAG SQUIB (Steering Wheel Pad)
A27 AIRBAG SQUIB (Front Passenger's Airbag Assembly)
S11 SIDE AIRBAG SQUIB LH
S12 SIDE AIRBAG SQUIB RH
S15 SIDE AIRBAG SENSOR LH
S16 SIDE AIRBAG SENSOR RH
J12 JUNCTION CONNECTOR
Instrument panel brace LH
Instrument panel brace LH


Power Source
Horn
Cigarette Lighter and Clock
Radio and Player
1
2
3
4
* 1:W/G
* 2:Except W/G
* 3:w/ Double Horn
I13
IGNITION SW
ACC
IG1
ST1
AM1
SHORT PIN
50A AM1
15A DOME
10A HORN
HORN RELAY
F15
FUSIBLE LINK BLOCK
10A ALT
FL MAIN
2. 0L
BATTERY
H 9
HORN
(Low)
H 8
HORN
(High)
C15
HORN SW
[COMB. SW]
H13
CLOCK
[HEATER
CONTROL SW]
10:00
+B
ACC
ILL+
GND
See Illumination System<17-3>
C 8
CIGARETTE
LIGHTER
J12
JUNCTION
CONNECTOR
Instrument
panel brace
LH
Left kick panel
15A
CIG
I14
INTEGRATION
RELAY
R 2 B, R 3 A
RADIO AND PLAYER
+B
ACC
FL+
FL-
FR+
FR-
RL+
RL-
RR+
RR-
GND
F17
FRONT DOOR
SPEAKER LH
F18
FRONT DOOR
SPEAKER RH
R12
REAR SPEAKER LH
R13
REAR SPEAKER RH
Instrument panel brace RH

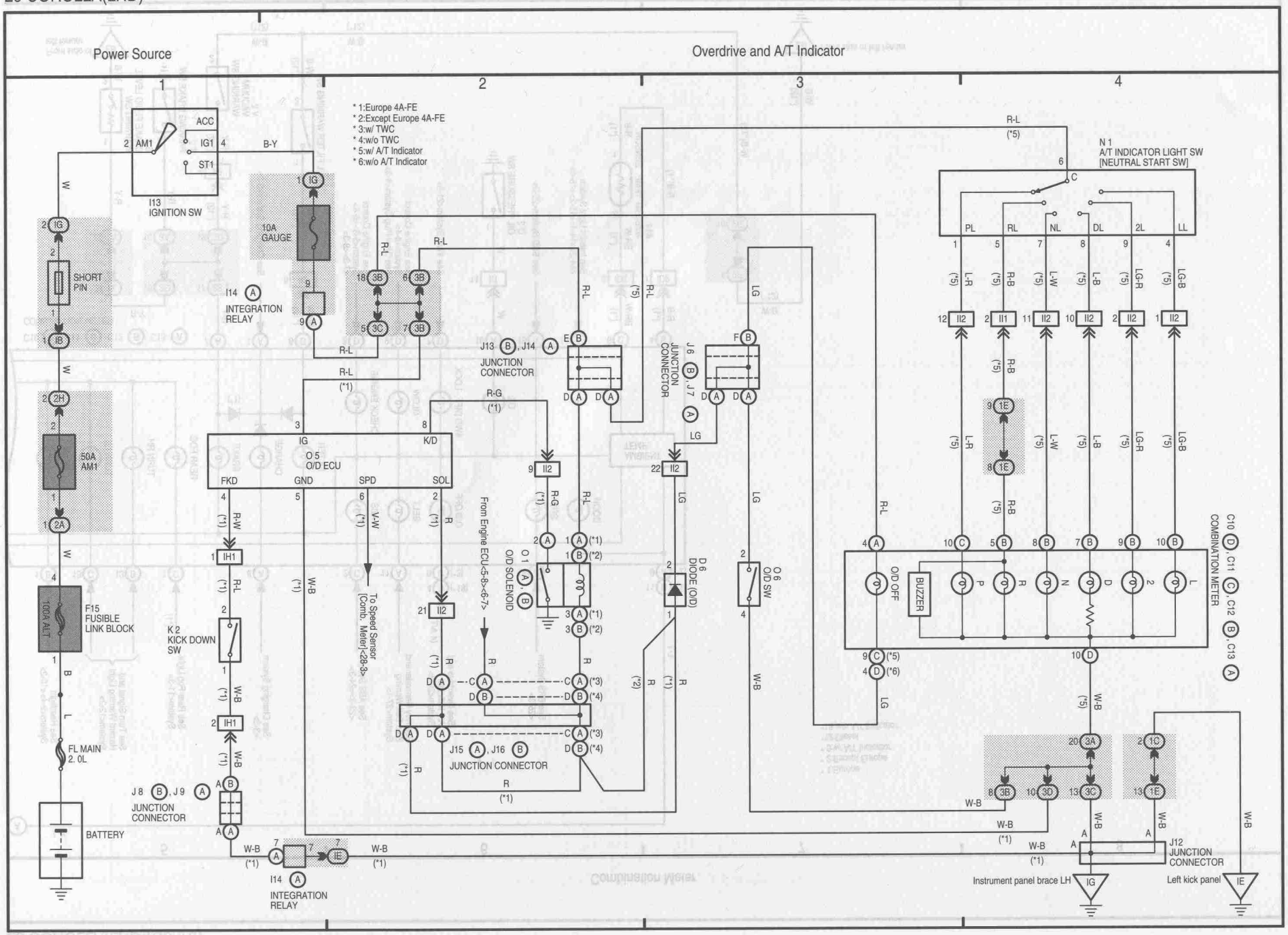

Power Source
Key Reminder and Seat Belt Warning
Light Reminder Buzzer
Seat Heater
1
2
3
4
I13 IGNITION SW
ACC
IG1
ST1
AM1
SHORT PIN
50A AM1
C13 SEAT BELT WARNING LIGHT [COMB. METER]
F15 FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
TAIL RELAY
15A TAIL
15A CIG
15A DOME
10A GAUGE
15A S-HTR
See Taillight System <16-1>
I14 INTEGRATION RELAY
IF2
S14 SEAT BELT RETRACTOR SW
J27 JUNCTION CONNECTOR
J29 JUNCTION CONNECTOR
U 1 UNLOCK WARNING SW
(H/B)
(Except H/B)
See Interior Light System <14-2><14-4><15-2><15-3>
J12 JUNCTION CONNECTOR
J8 J9 JUNCTION CONNECTOR
S 7 SEAT HEATER SW
S.5 SEAT HEATER (Driver's Seat)
S.6 SEAT HEATER (Front Passenger's Seat)
Under the left quarter pillar (Except W/G) Rear quarter panel LH(W/G)
Back panel center(L/B) Rear quarter panel RH(W/G)
Left kick panel
Instrument panel brace LH

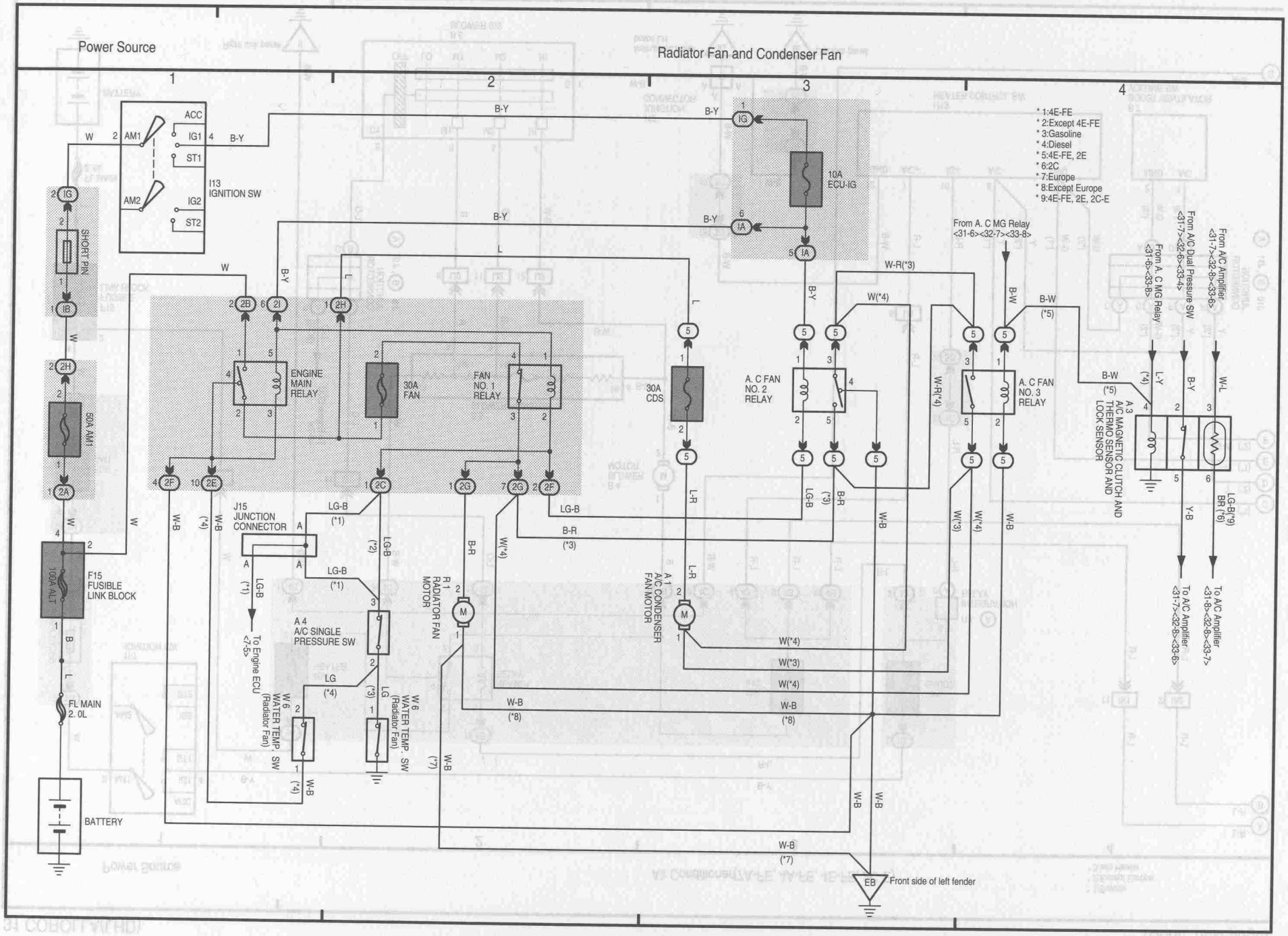
(Cont. next page)



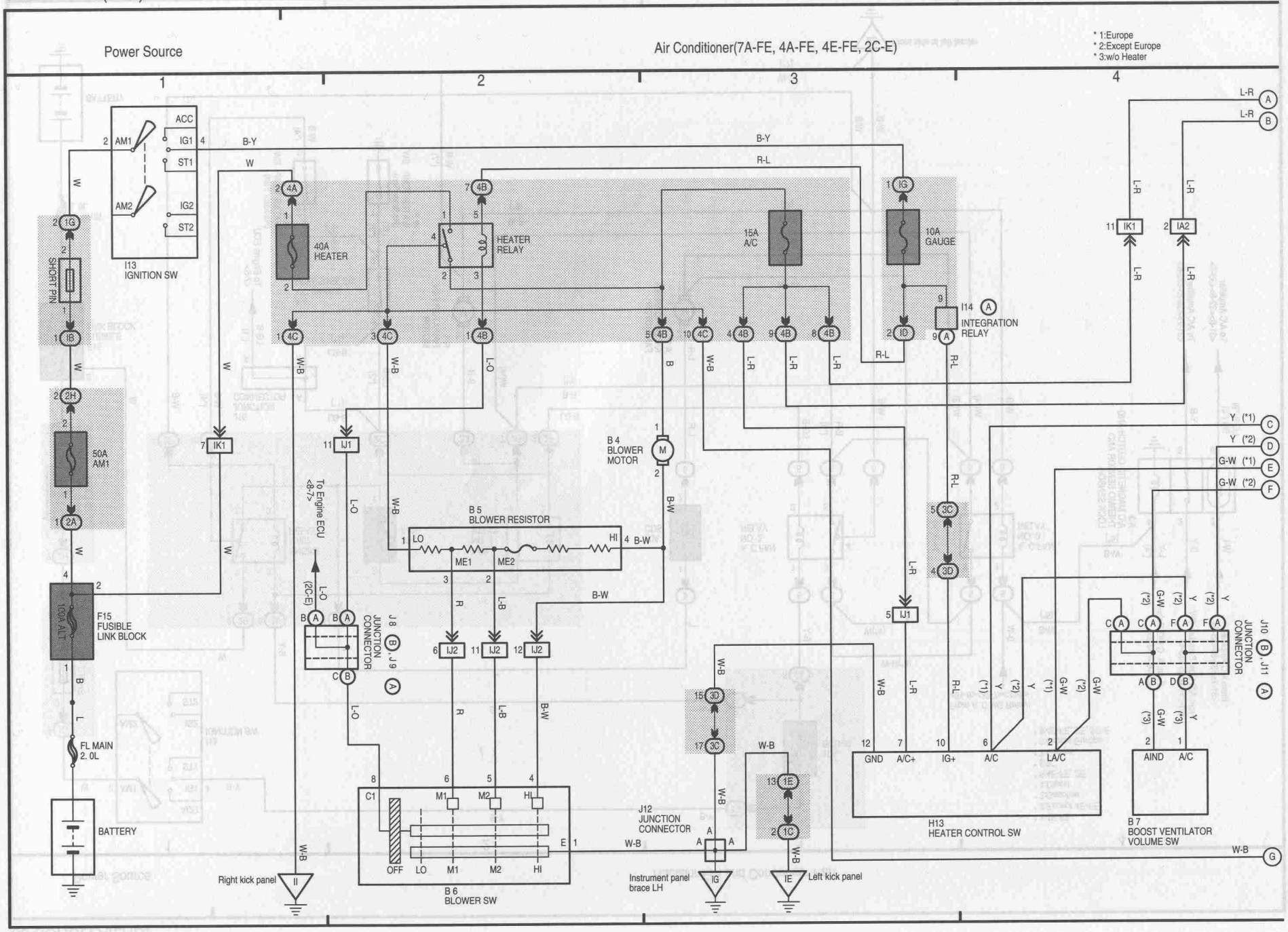

Combination Meter
5
6
7
8
L-Y
See Headlight System<9-4><10-2>
See Turn Signal and Hazard Warning Light System<12-2>
See Rear Fog Light System<11-3>
(*1)
See Charging System <3-3>
See ABS System <23-3><24-3>
See Key Reminder and Seat Belt Warning System<27-1>
See Overdrive and A/T Indicator System<29-3>
(4 A/T)
See SRS System <25-3>
(*18)
(*3)
(*1)
(*2)
BEAM
TURN LH
TURN RH
REAR FOG
BRAKE
CHARGE
FILTER
ABS
BELT
O/D OFF
SRS
DOOR
CHECK ENGINE
GLOW
4WD DIFF. LOCK
OIL
AMBIENT TEMP.
C10 D, C11 C, C12 B, C13 A
COMBINATION METER
R-Y
BR-W
W
R-B
W-B
See Charging System<3-3>
See Engine Control System<5-3><6-4>
See Engine Control System<8-4>
See Glow Plug System<4-3>
See 4WD System<21-8>
See SRS System<25-3>
See Interior Light System <14-2><14-4><15-2><15-4>
A14 AMBIENT TEMP. SENSOR
O2 OIL PRESSURE SW
F12 FUEL FILTER WARNING SW
V2 VACUUM WARNING SW
P2 PARKING BRAKE SW
B2 BRAKE FLUID LEVEL WARNING SW
Front side of left fender
EB
(*12)
* 1:Europe
* 2:Except Europe
* 3:w/ A/T Indicator
*12:Diesel
*18:w/o A/T Indicator

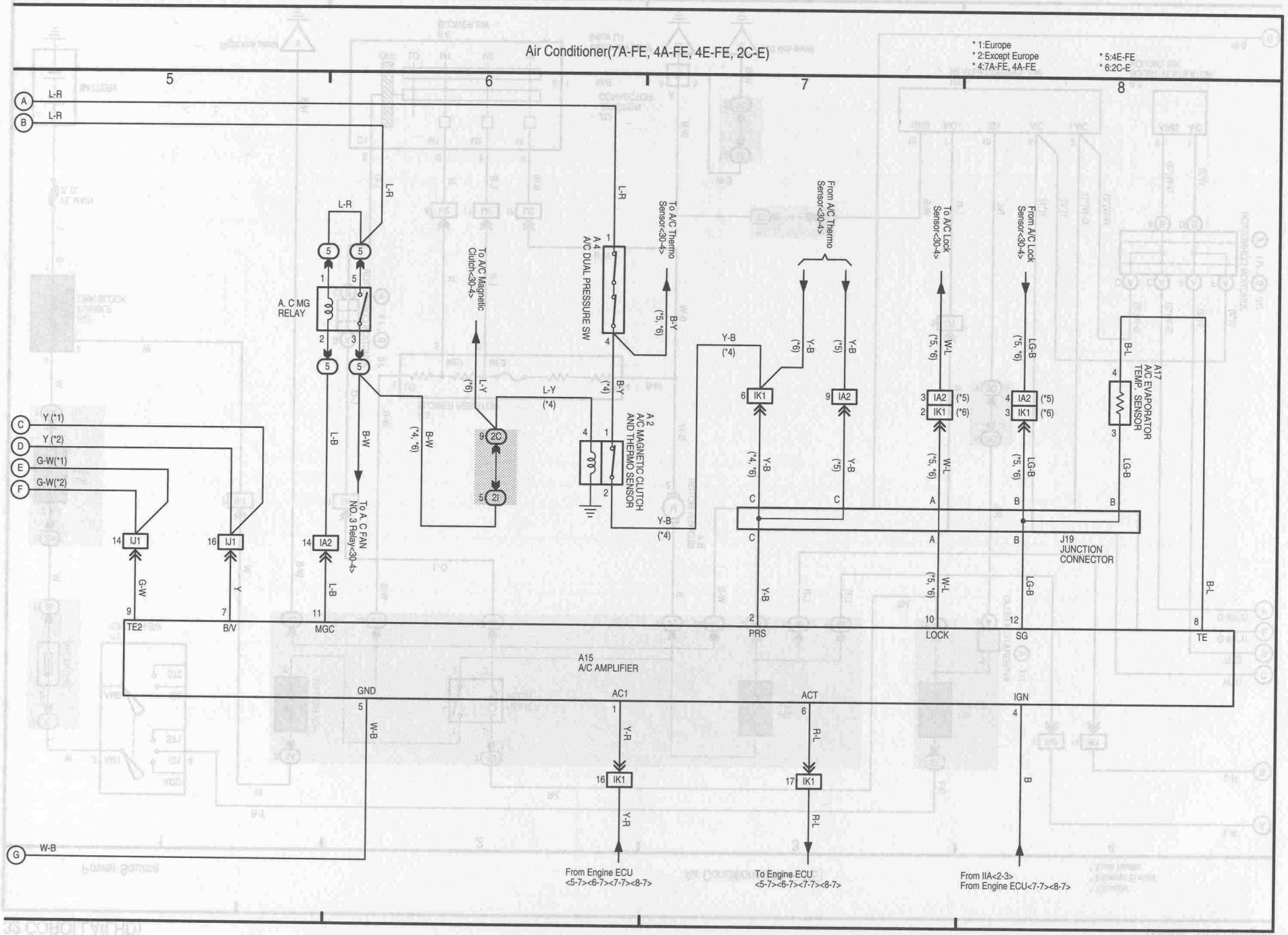
29 COROLLA(LHD)



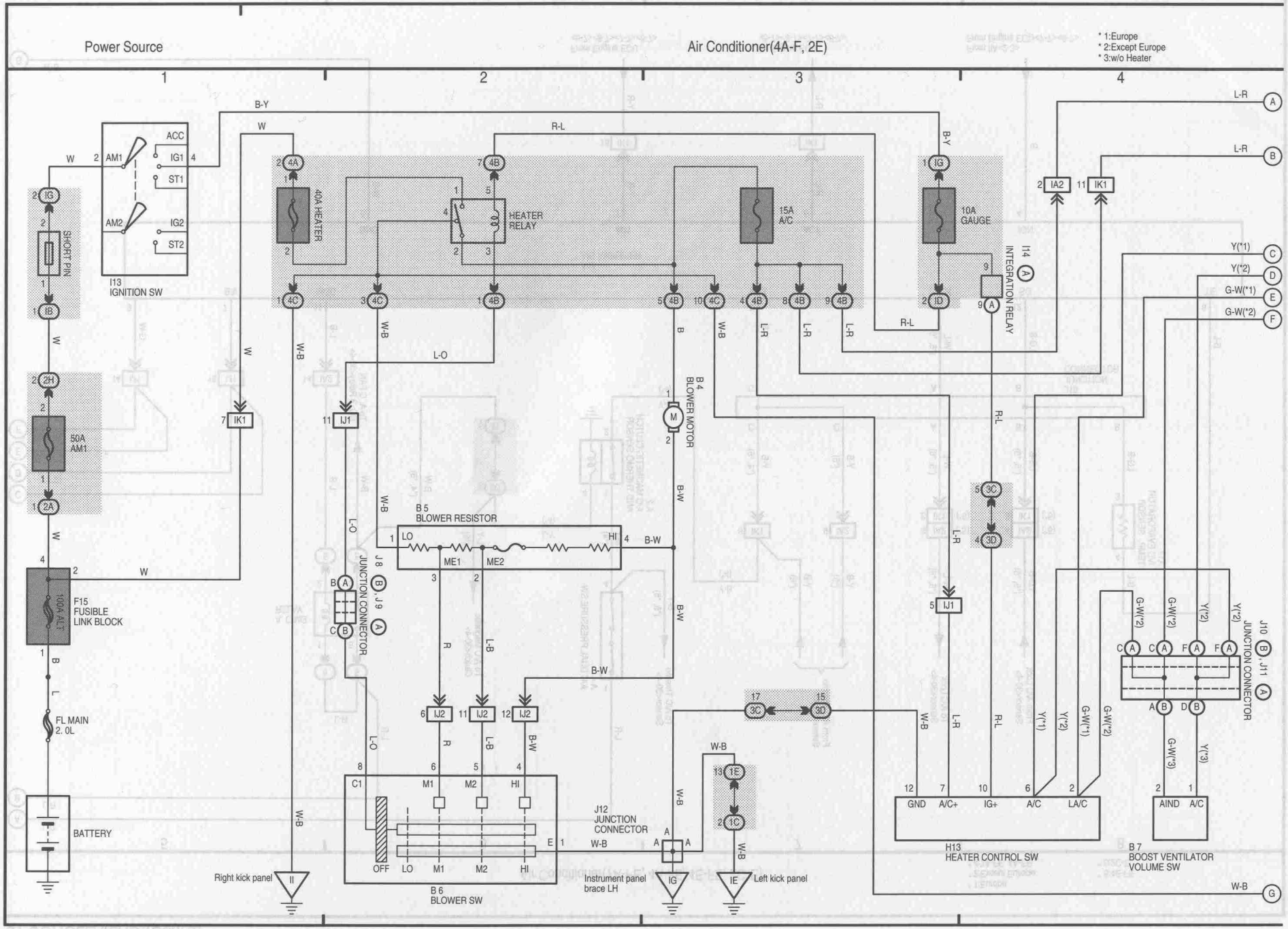

Power Source
Radiator Fan and Condenser Fan
1
2
3
4
ACC
IG1
ST1
AM1
AM2
IG2
ST2
I13
IGNITION SW
SHORT PIN
50A AM1
F15
FUSIBLE
LINK BLOCK
100A ALT
FL MAIN
2. 0L
BATTERY
10A
ECU-IG
ENGINE
MAIN
RELAY
30A
FAN
FAN
NO. 1
RELAY
30A
CDS
A. C FAN
NO. 2
RELAY
A. C FAN
NO. 3
RELAY
J15
JUNCTION
CONNECTOR
A 4
A/C SINGLE
PRESSURE SW
R 1
RADIATOR FAN
MOTOR
A 1
A/C CONDENSER
FAN MOTOR
W 6
WATER TEMP. SW
(Radiator Fan)
To Engine ECU
<7-5>
* 1:4E-FE
* 2:Except 4E-FE
* 3:Gasoline
* 4:Diesel
* 5:4E-FE, 2E
* 6:2C
* 7:Europe
* 8:Except Europe
* 9:4E-FE, 2E, 2C-E
From A. C MG Relay
<31-6><32-7><33-8>
From A. C MG Relay
<31-6><33-8>
From A/C Dual Pressure SW
<31-7><32-8><33-4>
From A/C Amplifier
<31-7><32-8><33-6>
A 3
A/C MAGNETIC CLUTCH AND
THERMO SENSOR AND
LOCK SENSOR
To A/C Amplifier
<31-7><32-8><33-6>
To A/C Amplifier
<31-8><32-8><33-7>
EB
Front side of left fender

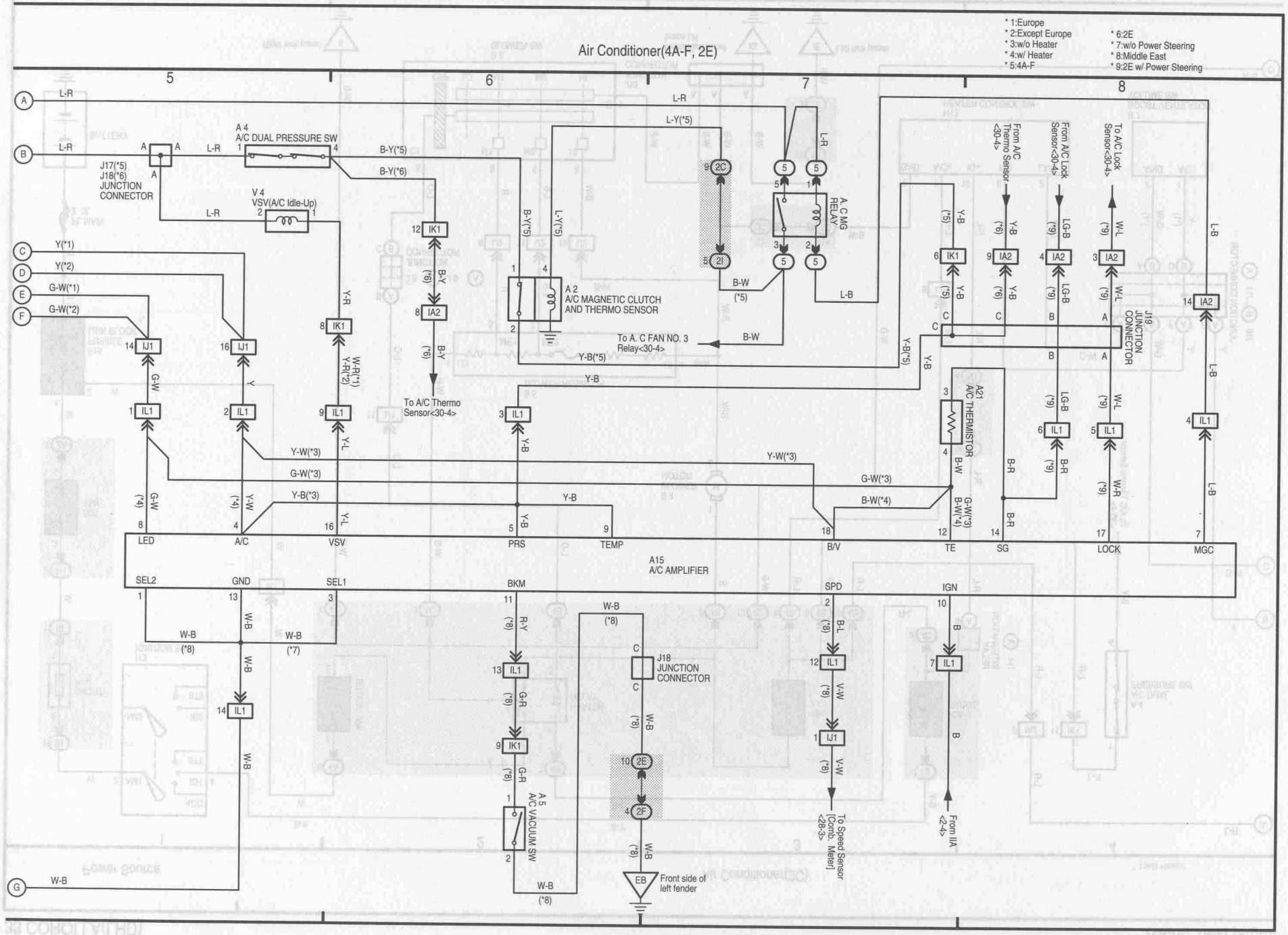
(Cont. next page)



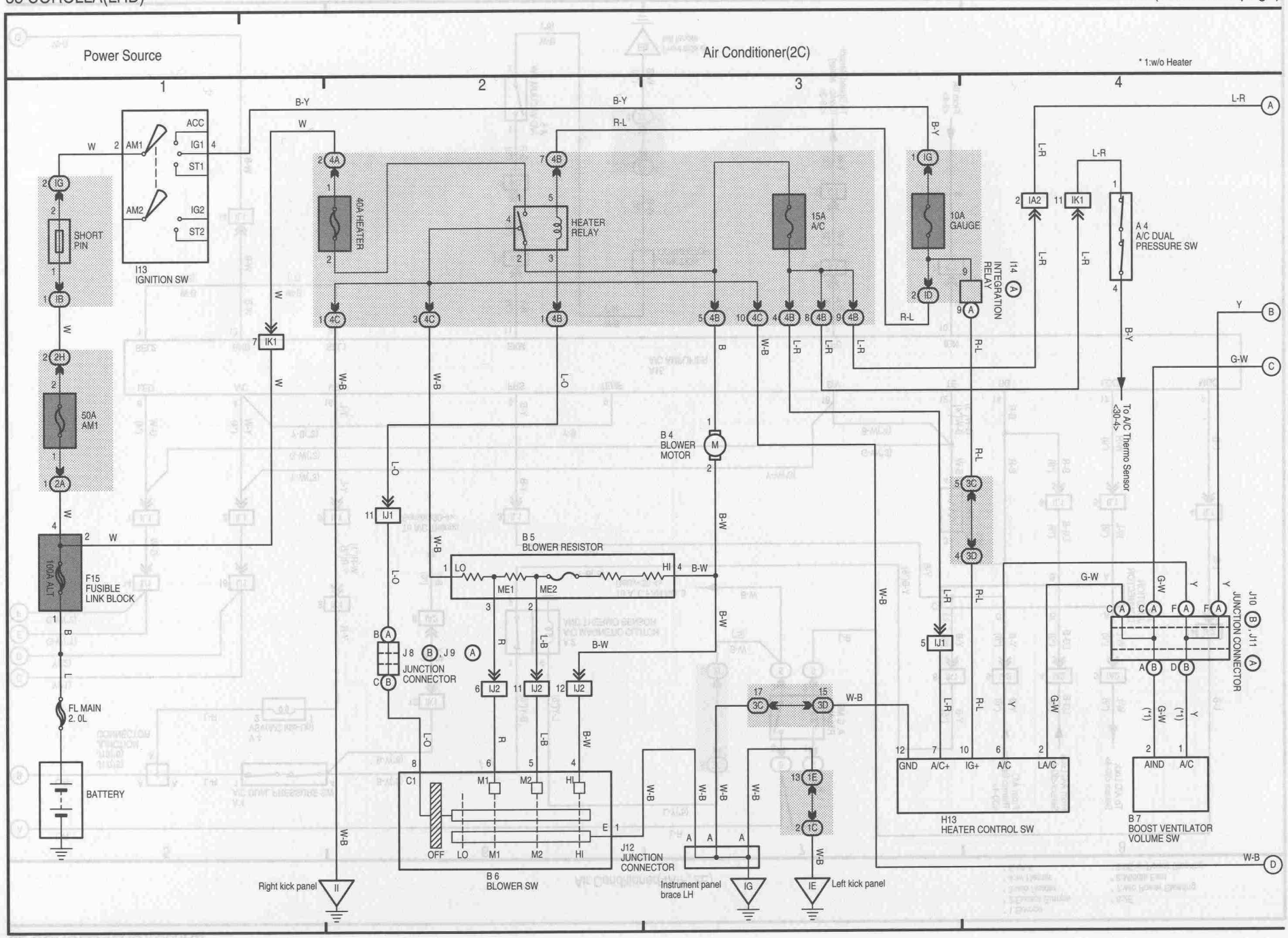

Air Conditioner(7A-FE, 4A-FE, 4E-FE, 2C-E)
* 1:Europe
* 2:Except Europe
* 4:7A-FE, 4A-FE
* 5:4E-FE
* 6:2C-E
5
6
7
8
A. C MG RELAY
To A/C Magnetic Clutch<30-4>
A 4 A/C DUAL PRESSURE SW
To A/C Thermo Sensor<30-4>
From A/C Thermo Sensor<30-4>
To A/C Lock Sensor<30-4>
From A/C Lock Sensor<30-4>
A 2 A/C MAGNETIC CLUTCH AND THERMO SENSOR
A17 A/C EVAPORATOR TEMP. SENSOR
J19 JUNCTION CONNECTOR
To A. C FAN NO. 3 Relay<30-4>
A15 A/C AMPLIFIER
TE2
B/V
MGC
PRS
LOCK
SG
TE
GND
AC1
ACT
IGN
From Engine ECU <5-7><6-7><7-7><8-7>
To Engine ECU <5-7><6-7><7-7><8-7>
From IIA<2-3> From Engine ECU<7-7><8-7>

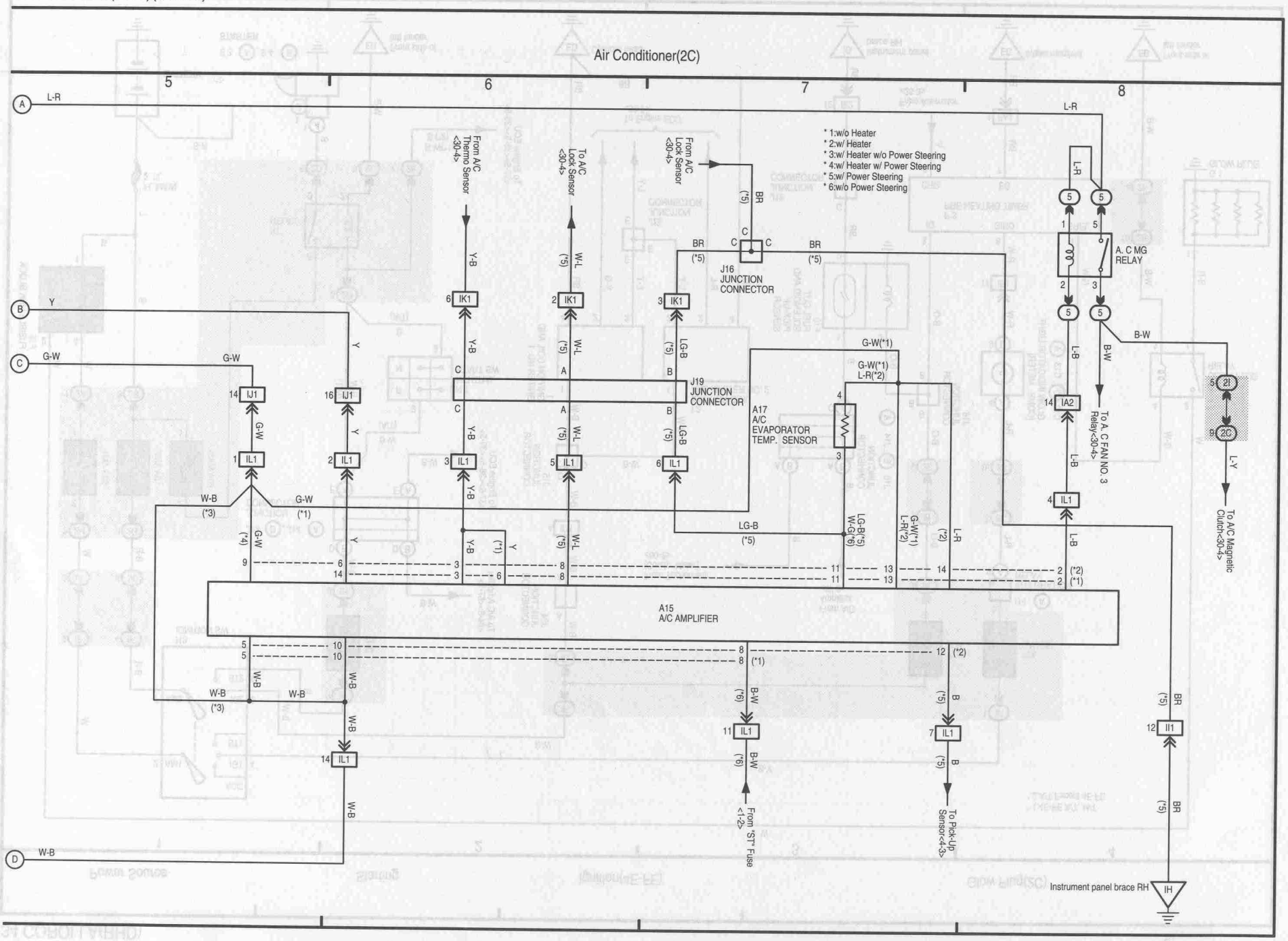
(Cont. next page)




Air Conditioner(4A-F, 2E)
* 1:Europe
* 2:Except Europe
* 3:w/o Heater
* 4:w/ Heater
* 5:4A-F
* 6:2E
* 7:w/o Power Steering
* 8:Middle East
* 9:2E w/ Power Steering
A 4
A/C DUAL PRESSURE SW
J17(*5)
J18(*6)
JUNCTION CONNECTOR
V 4
VSV(A/C Idle-Up)
A 2
A/C MAGNETIC CLUTCH AND THERMO SENSOR
A. C MG RELAY
To A. C FAN NO. 3 Relay<30-4>
To A/C Thermo Sensor<30-4>
From A/C Thermo Sensor <30-4>
From A/C Lock Sensor<30-4>
To A/C Lock Sensor<30-4>
J19 JUNCTION CONNECTOR
A21 A/C THERMISTOR
A15 A/C AMPLIFIER
LED
A/C
VSV
PRS
TEMP
B/V
TE
SG
LOCK
MGC
SEL2
GND
SEL1
BKM
SPD
IGN
J18 JUNCTION CONNECTOR
A 5 A/C VACUUM SW
To Speed Sensor [Comb. Meter] <28-3>
From IIA <2-4>
Front side of left fender

(Cont. next page)




Air Conditioner(2C)
5
6
7
8
A
B
C
D
L-R
Y
G-W
W-B
* 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
From A/C Thermo Sensor <30-4>
To A/C Lock Sensor <30-4>
From A/C Lock Sensor <30-4>
J16 JUNCTION CONNECTOR
J19 JUNCTION CONNECTOR
A17 A/C EVAPORATOR TEMP. SENSOR
A15 A/C AMPLIFIER
A. C MG RELAY
To A. C FAN NO. 3 Relay<30-4>
To A/C Magnetic Clutch<30-4>
From "ST" Fuse <1-2>
To Pick-Up Sensor<4-3>
Instrument panel brace RH
IH
IK1
IJ1
IL1
IA2
II1
2I
2C
BR
B-W
B
L-B
L-Y
Y-B
W-L
LG-B
W-G
G-W(*1)
L-R(*2)