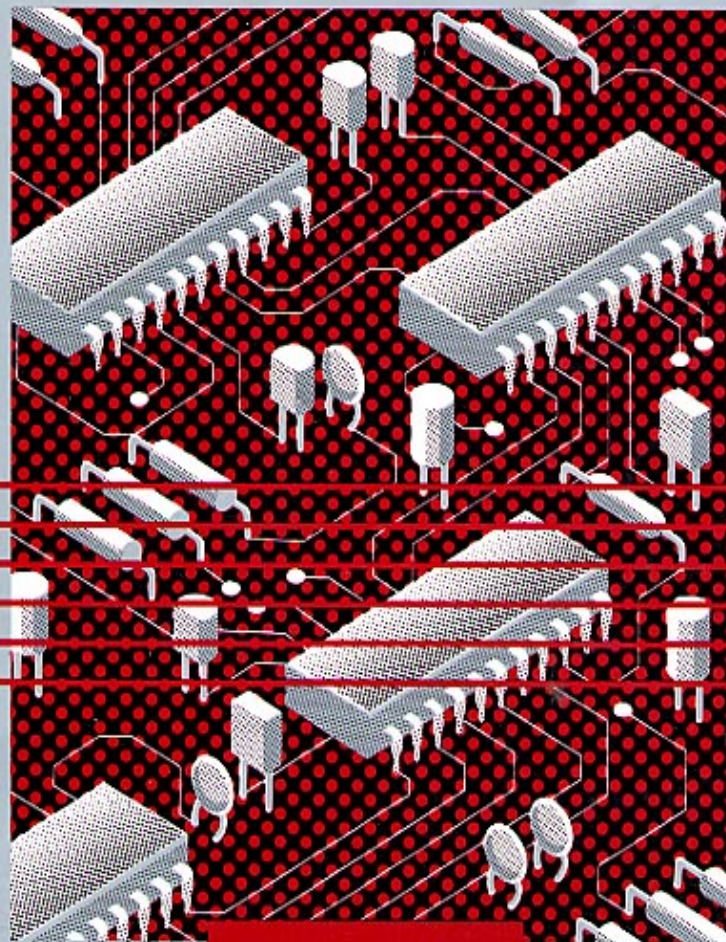


TOYOTA AVENSIS/CORONA

ELECTRICAL WIRING DIAGRAM

ST 220 Series
AT 22_ Series Oct., 1997
CT 220 Series



FOREWORD

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

Applicable models: ST220 Series
AT220, 221 Series
CT220 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.
● AVENSIS/CORONA Chassis and Body Repair Manual	RM599E
● 3S-FE Engine Repair Manual Supplement	RM609E
● 4A-F, FE/7A-FE Engine Repair Manual Supplement	RM611E
● 2C-TE Engine Repair Manual Supplement	RM612E
● AVENSIS/CORONA New Car Features	NCF145E

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.

AVENSIS / CORONA
ELECTRICAL WIRING DIAGRAM

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SCHEMA DE CABLAGE ELECTRIQUE
DE LA AVENSIS / CORONA

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AVENSIS / CORONA
DIAGRAMA DEL CABLEADO ELECTRICO

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This manual consists of the following 11 sections:

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

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

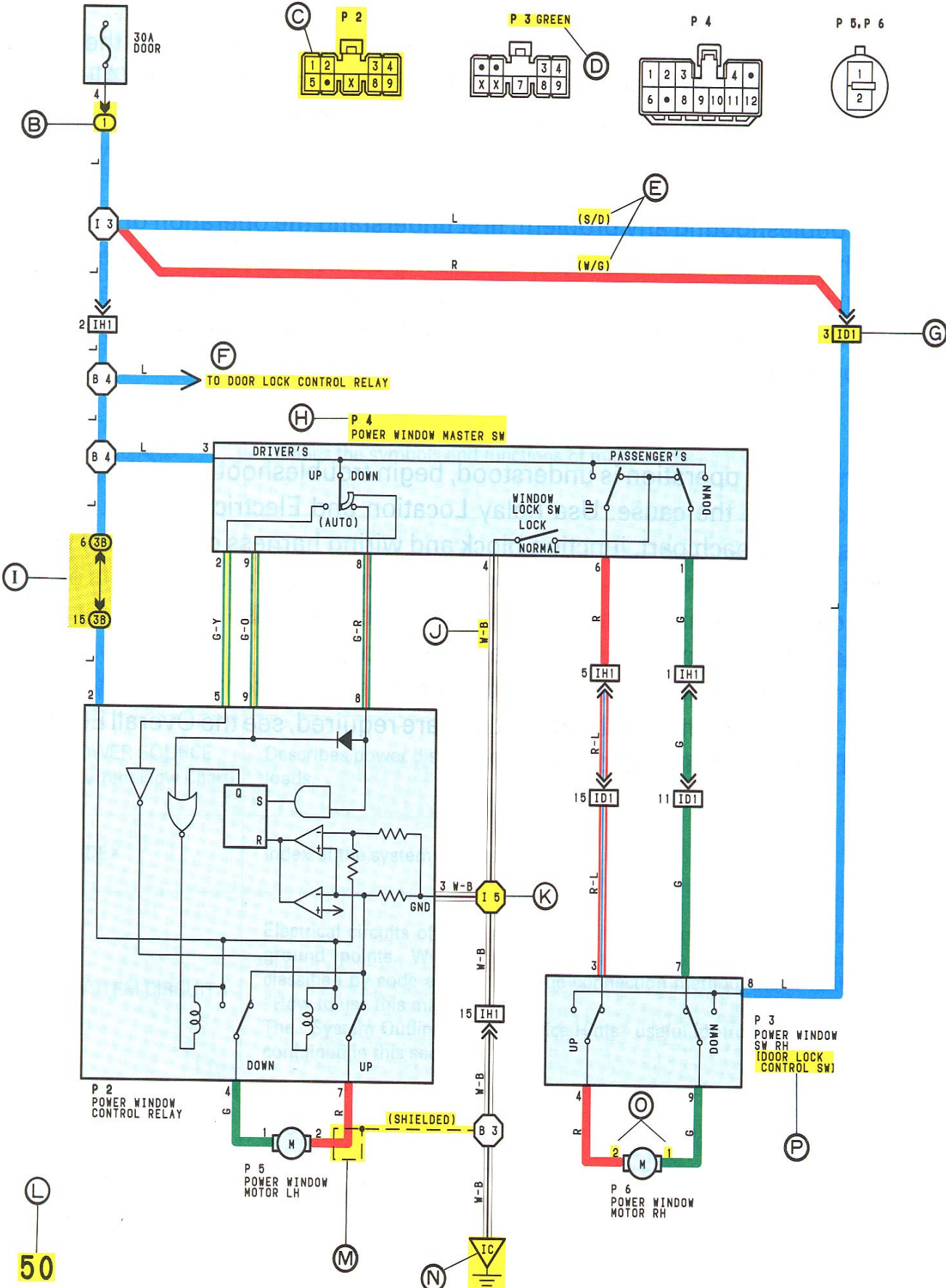
The actual wiring of each system circuit is shown from the point where the power source is received from the battery as far as each ground point. (All circuit diagrams are shown with the switches in the OFF position.)

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

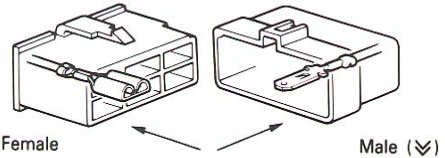
When the circuit operation is understood, begin troubleshooting of the problem circuit to isolate the cause. Use Relay Location and Electrical Wiring Routing sections to find each part, junction block and wiring harness connectors, wiring harness and wiring harness connectors, splice points, and ground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

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

POWER WINDOW



- (A):** System Title
- (B):** Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.
- Example: (1) Indicates Relay Block No. 1.
- (C):** Indicates the connector to be connected to a part (the numeral indicates the pin No.)
- Explanation of pin use.
- Pins used in the system circuit.
- Occupied positions, but not applicable to the system circuit.
- Unoccupied positions.
- The pins shown are only for the highest grade, or only include those in the specification.
- (D):** Connector Color
- Connectors not indicated are milky white in color.
- (E):** () is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.
- (F):** Indicates related system.
- (G):** Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (↗). Outside numerals are pin numbers.

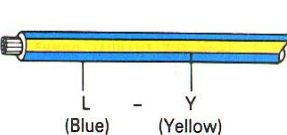


- The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g. "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.
- When more than one code has the first and second letters in common, followed by numbers (e.g. IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.
- (H):** Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.
- (I):** Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:

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

- (J):** Indicates the wiring color.
- Wire colors are indicated by an alphabetical code.
- | | | |
|------------|------------------|------------|
| B = Black | L = Blue | R = Red |
| BR = Brown | LG = Light Green | V = Violet |
| G = Green | O = Orange | W = White |
| GR = Gray | P = Pink | Y = Yellow |
- The first letter indicates the basic wire color and the second letter indicates the color of the stripe.



- (K):** Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).
- Example:
- The Location of Splice Point I 5 is indicated by the shaded section.
- (L):** Page No.
- (M):** Indicates a shielded cable.



- (N):** Indicates a ground point.
- The first letter of the code for each ground point(s) indicates the component's location, e.g. "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.
- (O):** Indicates the pin number of the connector. The numbering system is different for female and male connectors.
- Example: Numbered in order from upper left to lower right
- | | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
- Female
- Numbered in order from upper right to lower left
- | | | |
|---|---|---|
| 3 | 2 | 1 |
| 6 | 5 | 4 |
- Male
- (P):** When 2 parts both use one connector in common, the parts connector name used in the wire routing section is shown in square brackets [].

English

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

O : PARTS LOCATION

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

T

O : RELAY BLOCKS

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

U

O : 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

O : 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

O : GROUND POINTS

CODE	SEE PAGE	GROUND POINT LOCATION
IC	24	COWL LEFT

X

O : SPLICE POINTS

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

Q: Explains the system outline.

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

S: Indicates the reference page showing the position on the vehicle of the parts in the system circuit.
Example: Part "P4" (Power Window Master SW) is on page 21 of the manual.
* The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.

Example: P4
Part is 4th in order
Power Window Master SW

T: Indicates the reference page showing the position on the vehicle of Relay Block Connectors in the system circuit.
Example: Connector "1" is described on page 16 of this manual and is installed on the left side of the instrument panel.

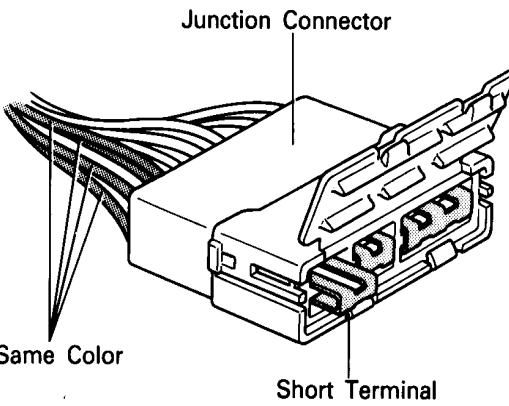
U: Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.
Example: Connector "3B" connects the Cowl Wire and J/B No. 3. It is described on page 14 of this manual, and is installed on the instrument panel left side.

V: Indicates the reference page describing the wiring harness and wiring harness connector (the female wiring harness is shown first, followed by the male wiring harness).
Example: Connector "ID1" connects the front door RH wire (female) and cowl wire (male). It is described on page 26 of this manual, and is installed on the right side kick panel.

W: Indicates the reference page showing the position of the ground points on the vehicle.
Example: Ground point "IC" is described on page 24 of this manual and is installed on the cowl left side.

X: Indicates the reference page showing the position of the splice points on the vehicle.
Example: Splice point "I 5" is on the Cowl Wire Harness and is described on page 24 of this manual.

HINT:



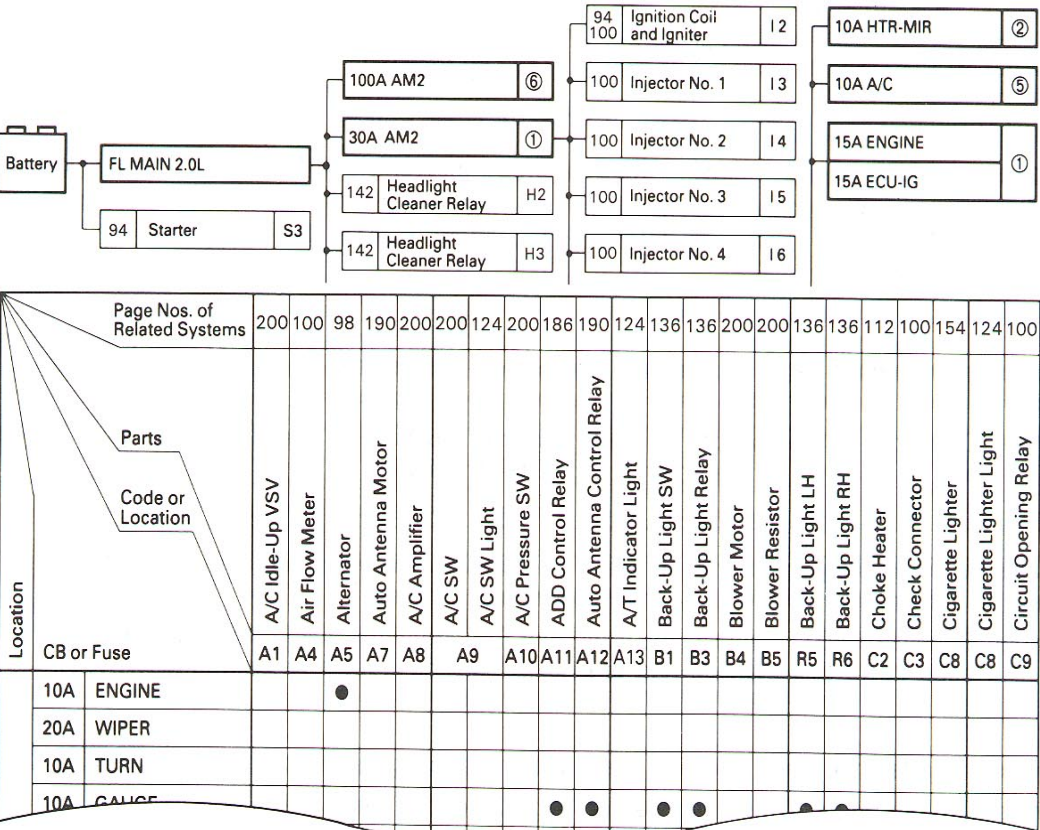
Junction connector (code: J1 to J37) in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. 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.

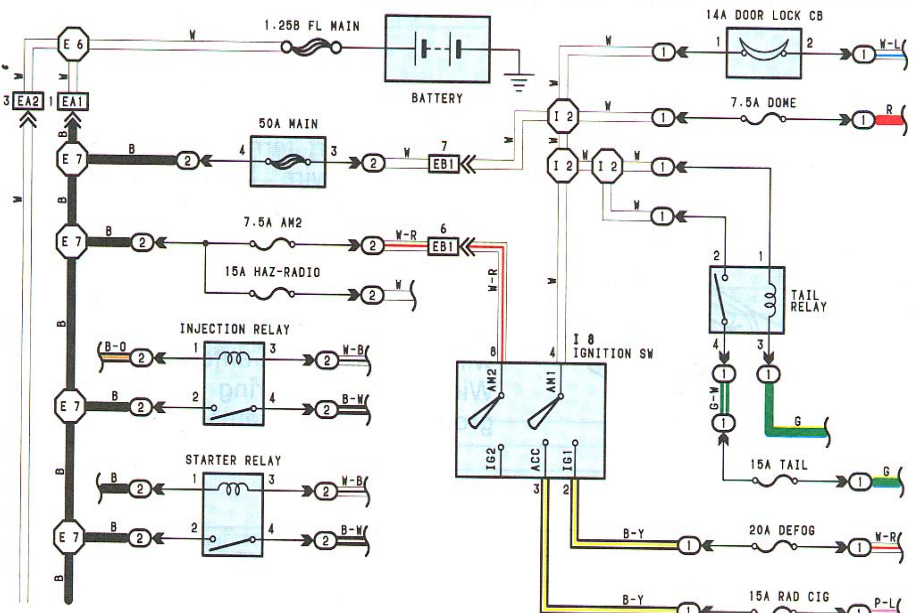
H POWER SOURCE (Current Flow Chart)

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.

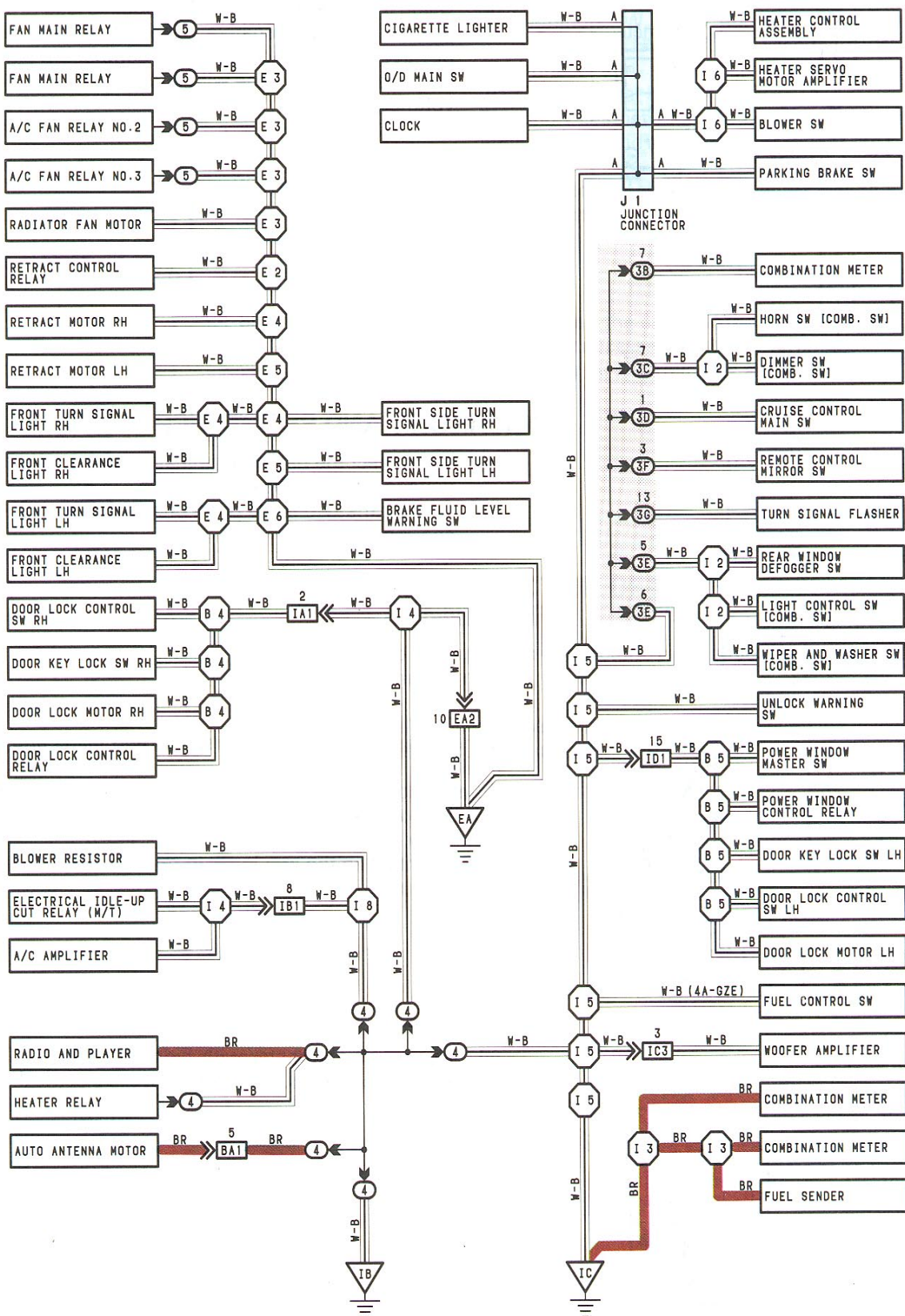


POWER SOURCE



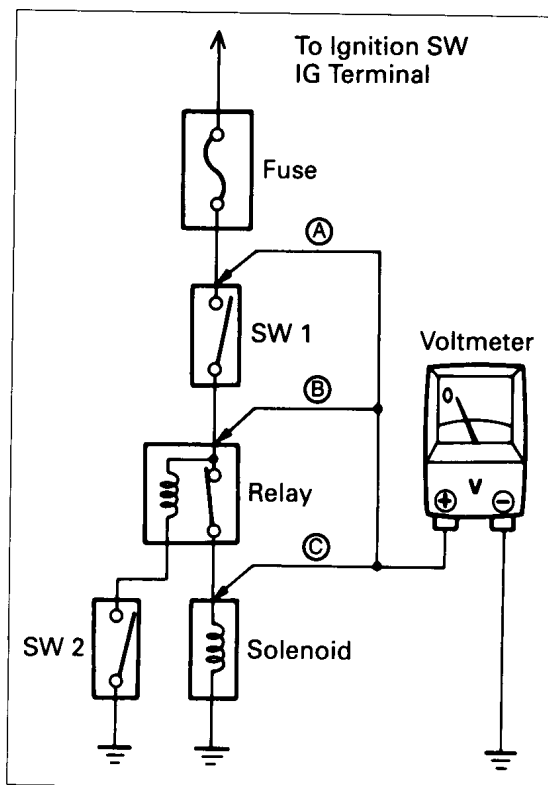
The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA,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

J GROUND POINT



C TROUBLESHOOTING

English



VOLTAGE CHECK

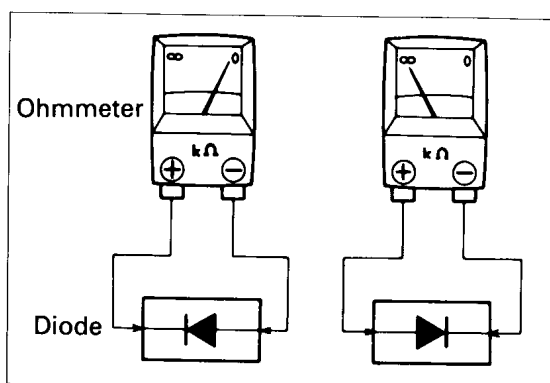
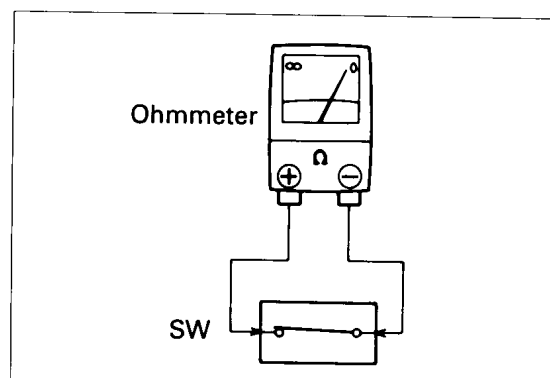
- (a) Establish conditions in which voltage is present at the check point.

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 light instead of a voltmeter.

CONTINUITY AND RESISTANCE CHECK

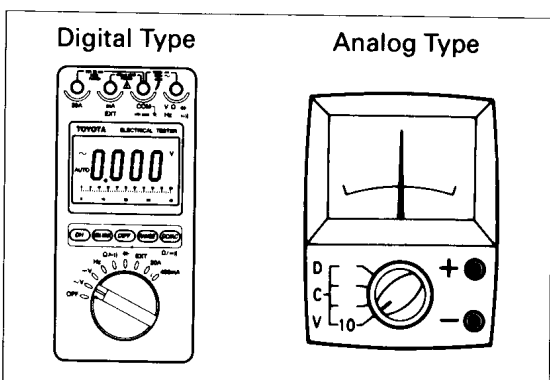
- (a) Disconnect the battery terminal or wire so there is no voltage between the check points.
- (b) Contact the two leads of an ohmmeter to each of the check points.



If the circuit has diodes, reverse the two leads and check again.

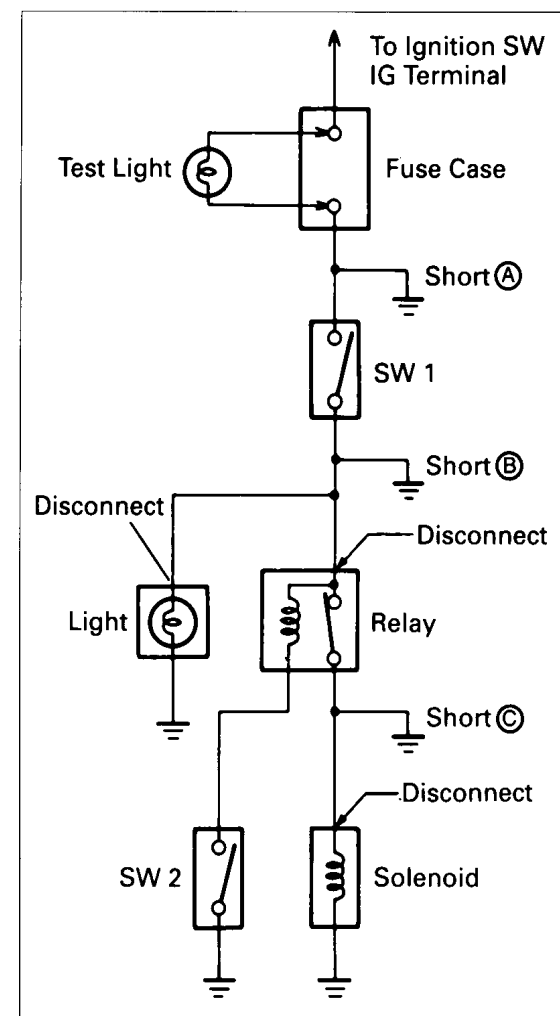
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.

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.

English



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.

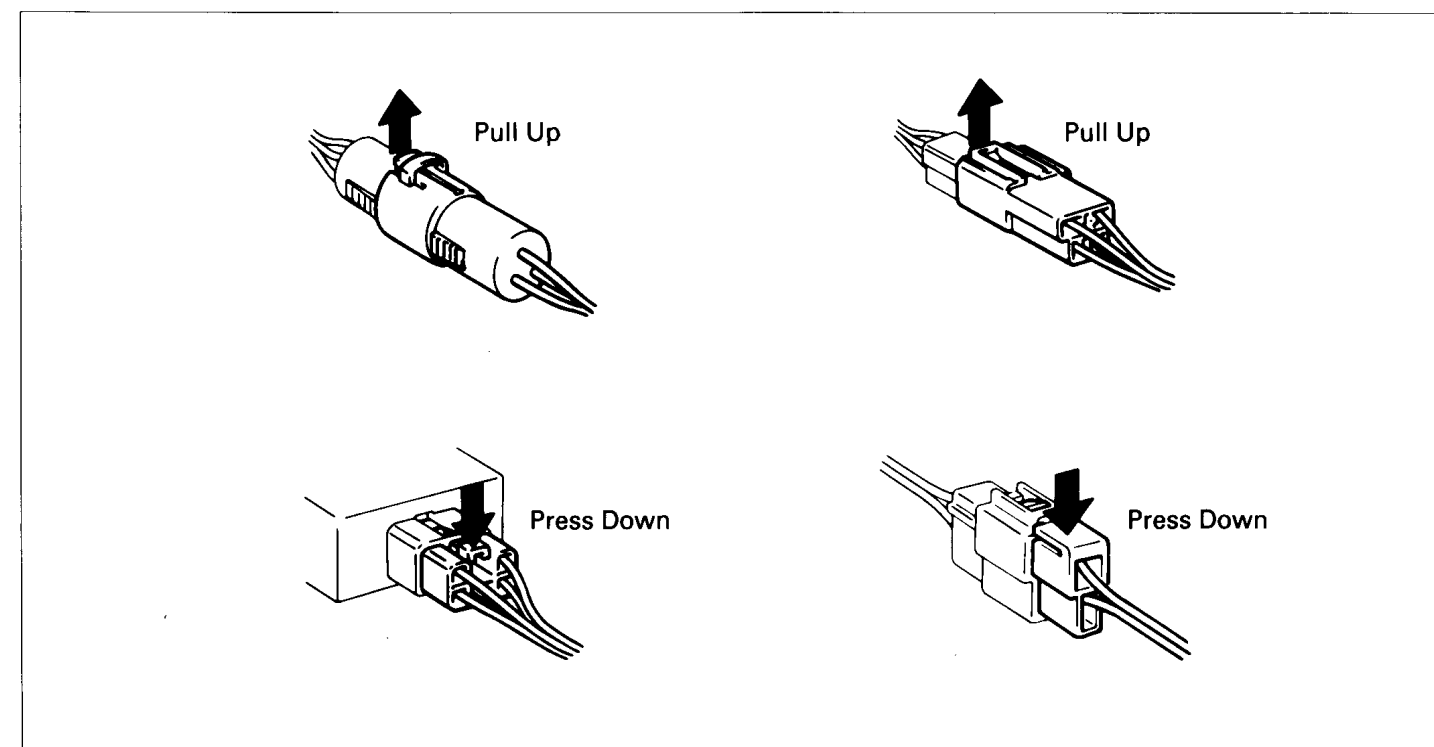
CAUTION:

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

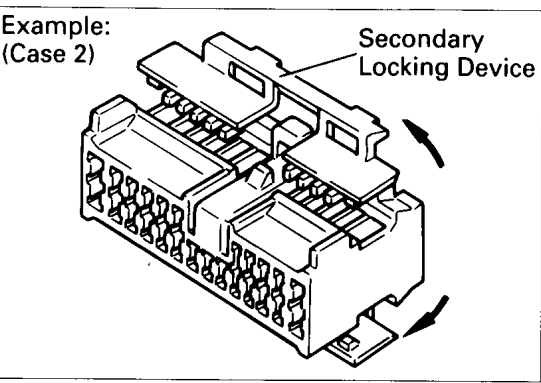
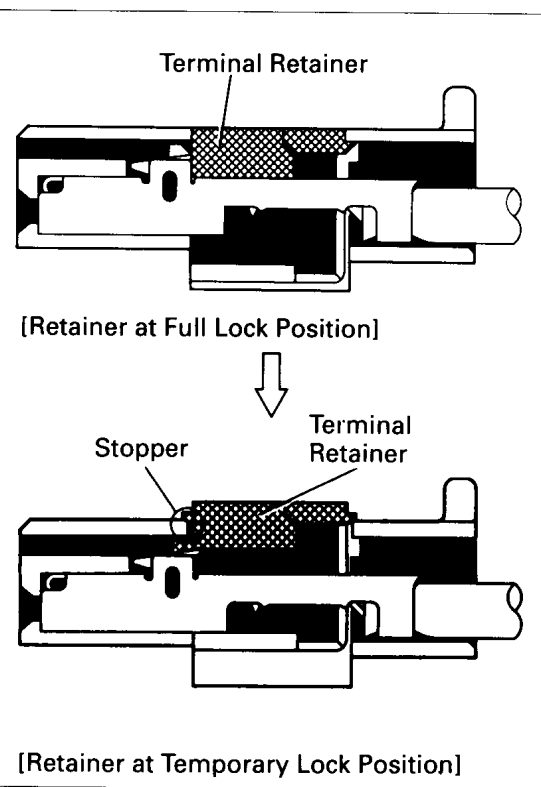
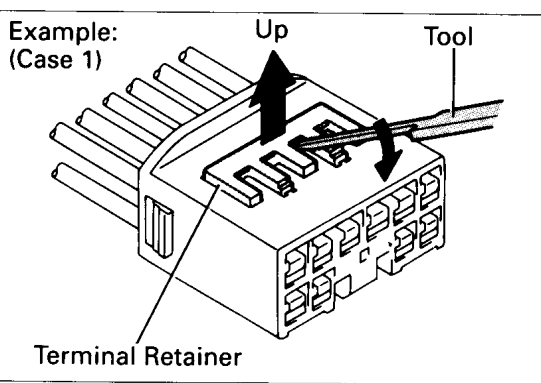
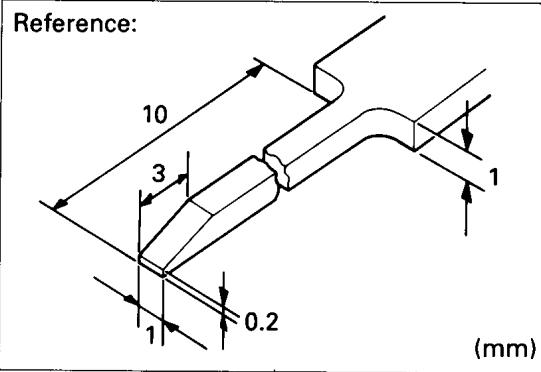
To pull apart the connectors, pull on the connector itself, not the wire harness.

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



C TROUBLESHOOTING

English



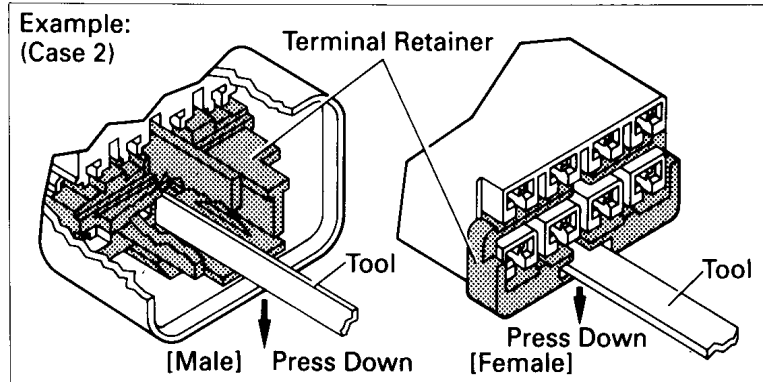
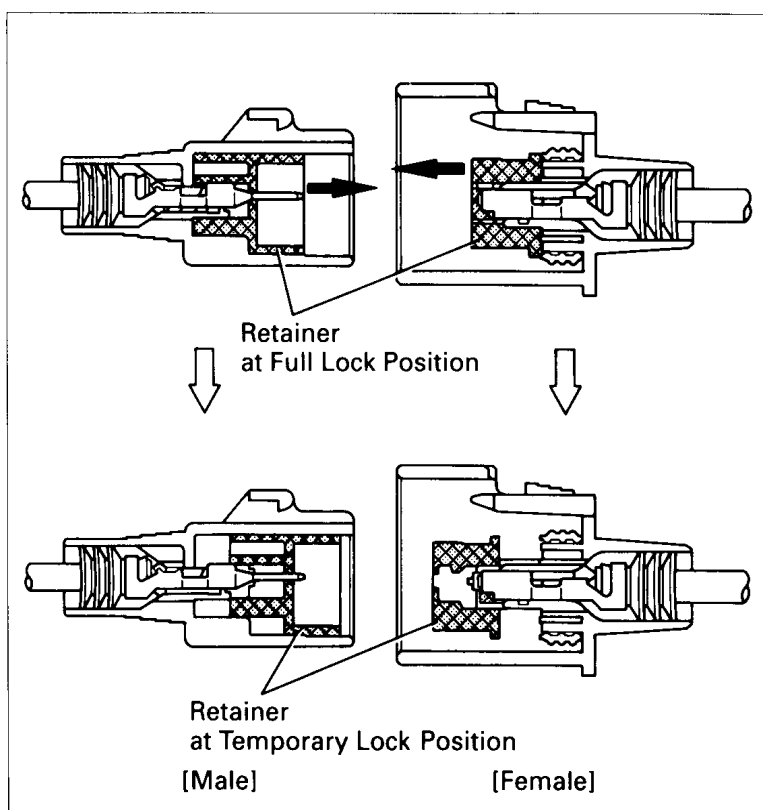
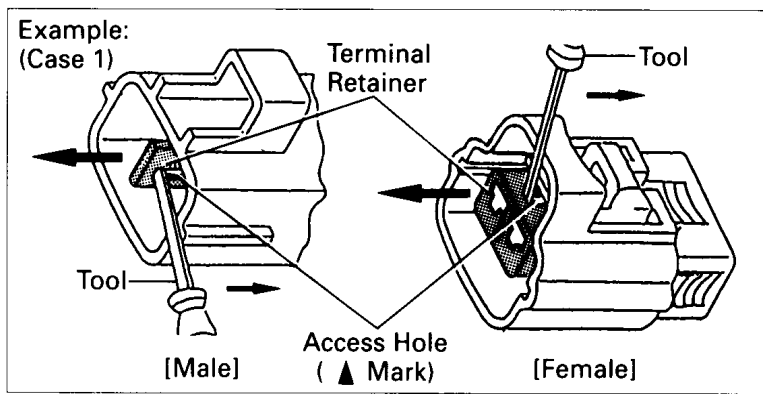
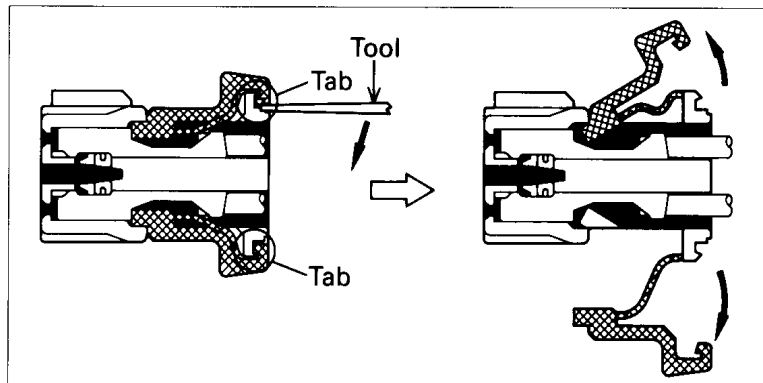
HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

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.



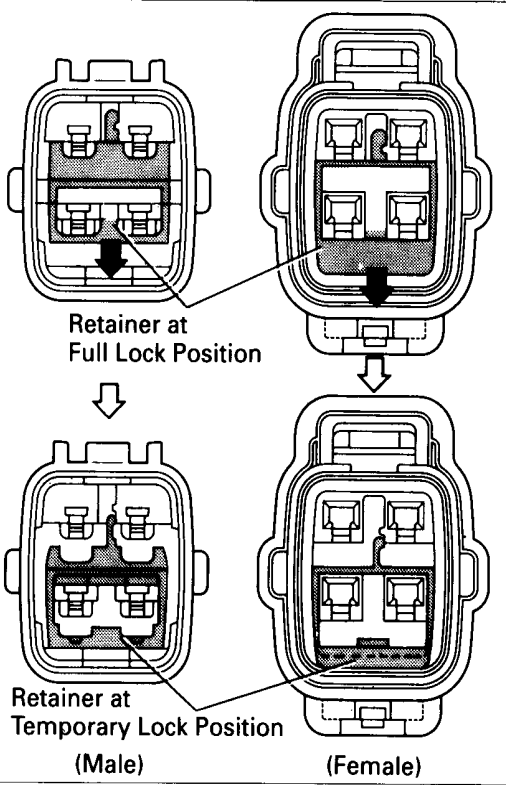
- Ⓑ For Waterproof Type Connector
- HINT: Terminal retainer color is different according to connector body.
- Example:
Terminal Retainer: Connector Body
Black or White : Gray
Black or White : Dark Gray
Gray or White : Black

- "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.

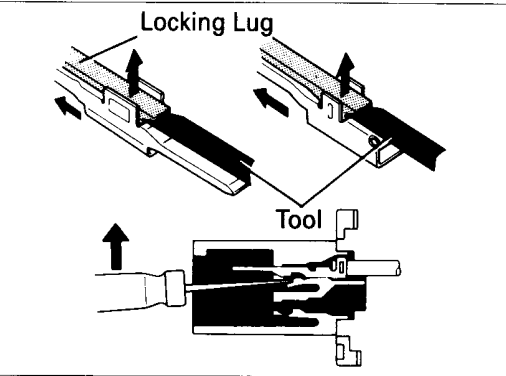
- "Case 2"
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.

English

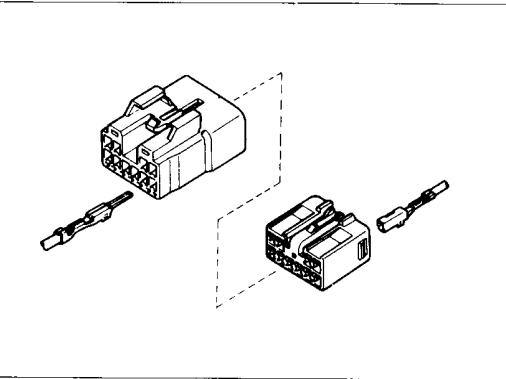
English



Push the terminal retainer down to the temporary lock position.

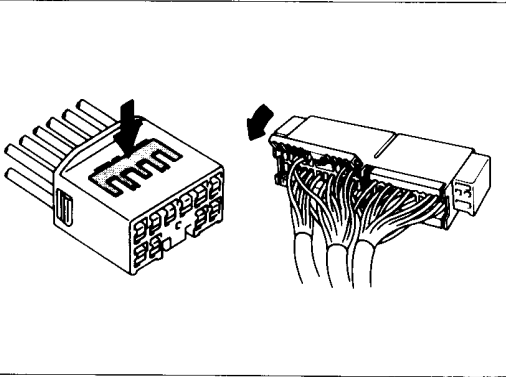


(c) Release the locking lug from terminal and pull the terminal out from rear.



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

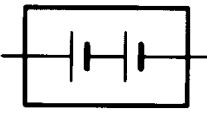
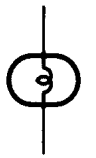
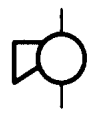
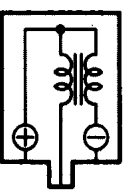
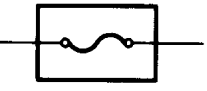
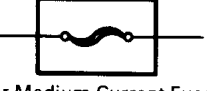
The following abbreviations are used in this manual.

ABS	= Anti-Lock Brake System
A/C	= Air Conditioner
A/T	= Automatic Transaxle
BACS	= Boost Altitude Compensational Stopper
COMB.	= Combination
DLC3	= Data Link Connector 3
ECT	= Electronically Controlled Transmission
ECU	= Electronic Control Unit
EFI	= Electronic Fuel Injection
EGR	= Exhaust Gas Recirculation
ESA	= Electronic Spark Advance
FL	= Fusible Link
I/A	= Integrated Ignition Assembly
ISC	= Idle Speed Control
J/B	= Junction Block
L/B	= Liftback Type
LH	= Left-Hand
LHD	= Left-Hand Drive
M/T	= Manual Transaxle
O/D	= Overdrive
R/B	= Relay Block
RH	= Right-Hand
RHD	= Right-Hand Drive
S/D	= Sedan Type
SRS	= Supplemental Restraint System
SW	= Switch
TEMP.	= Temperature
VRV	= Vacuum Regulating Valve
VSV	= Vacuum Switching Valve
w/	= With
W/G	= Wagon Type
w/o	= Without

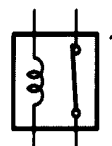
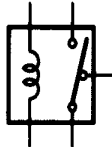
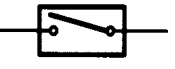
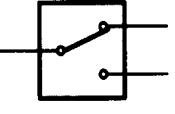
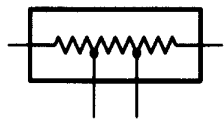
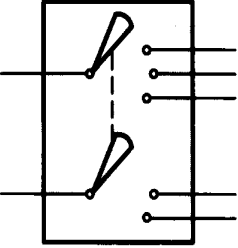
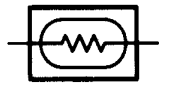
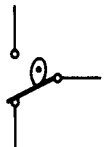
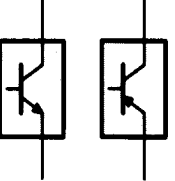
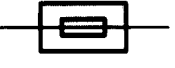
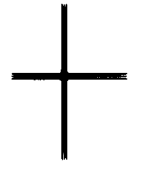
English

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

English

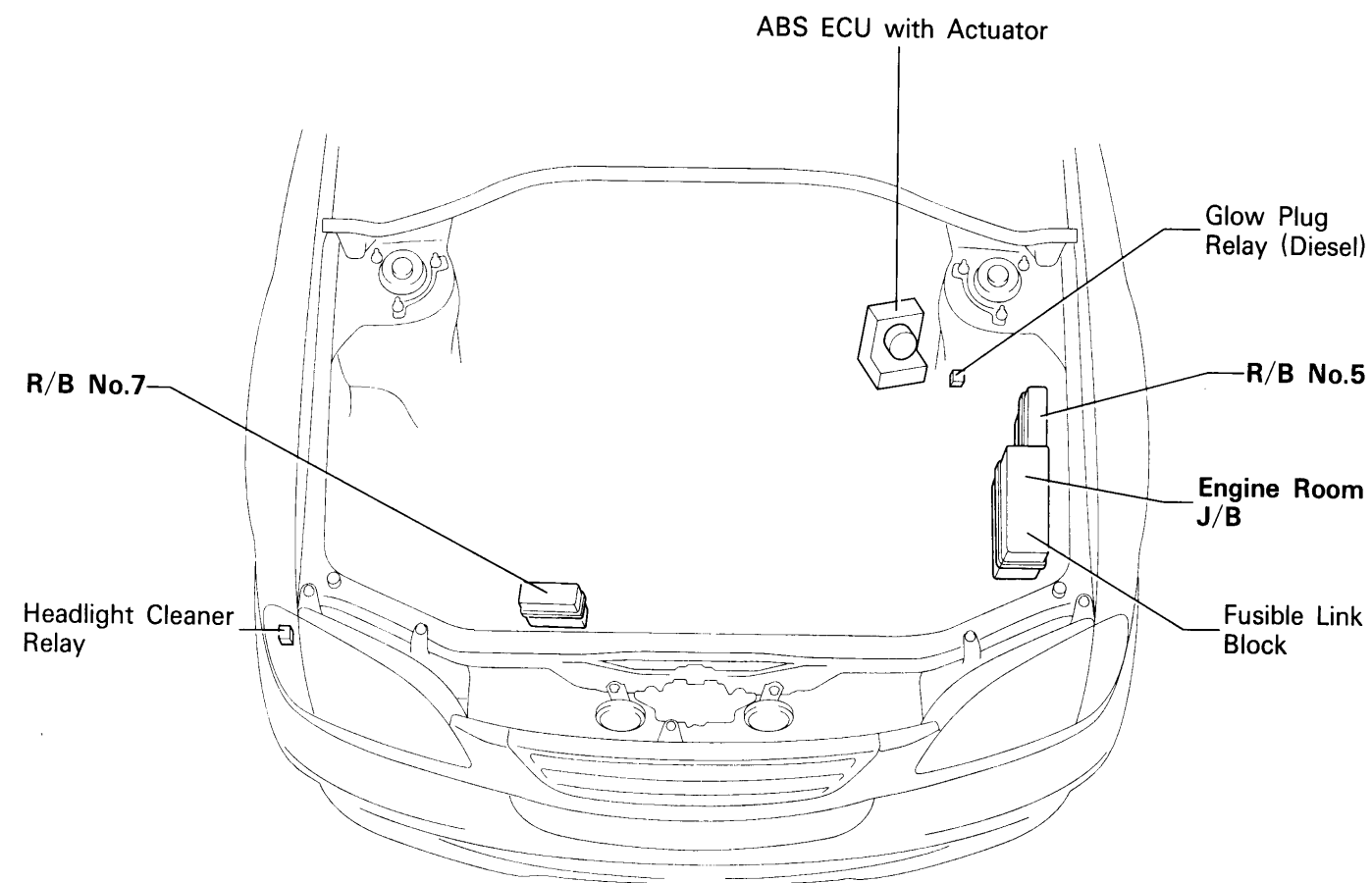
 BATTERY Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.	 HEADLIGHTS 1. SINGLE FILAMENT Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament.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

English

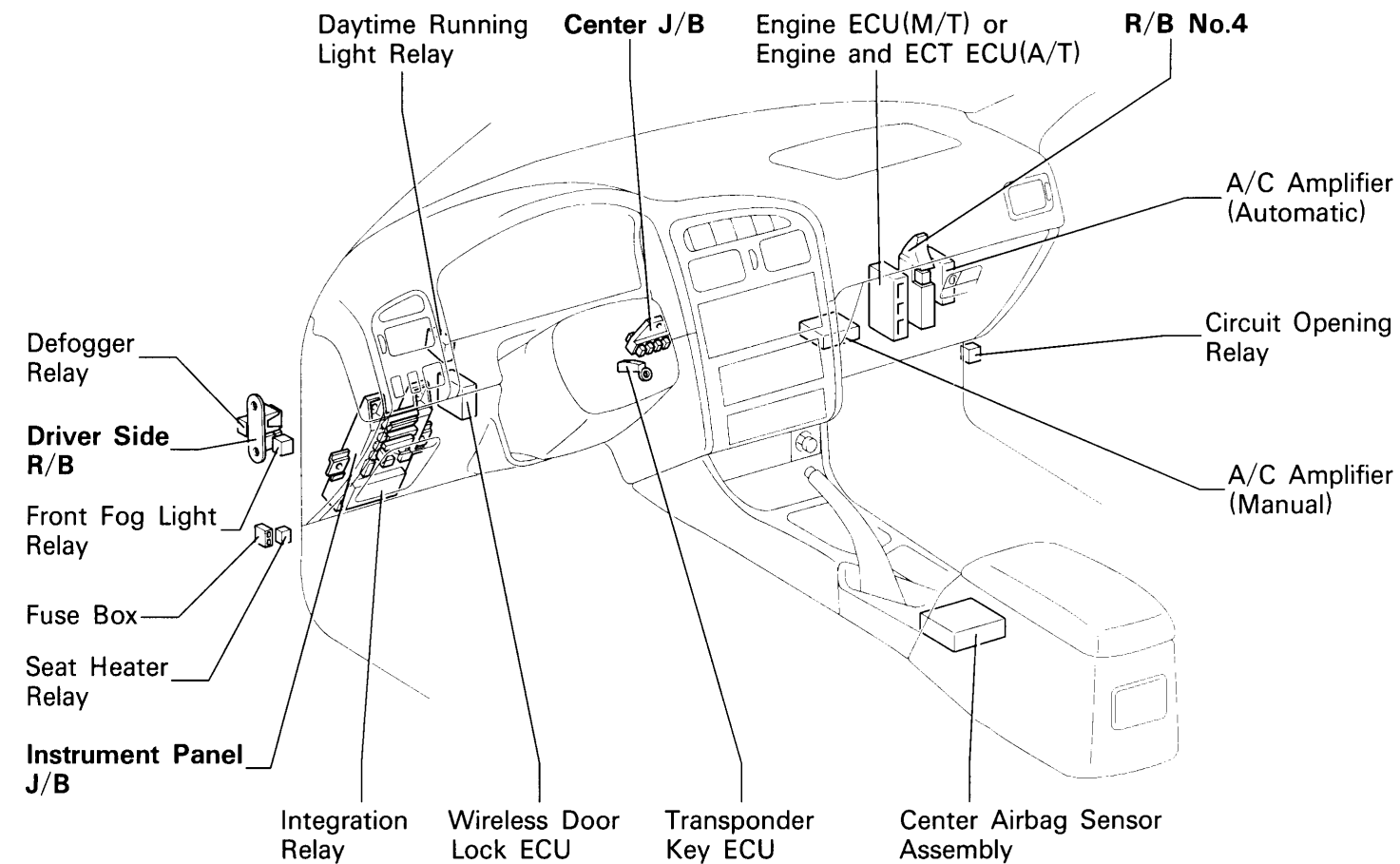
 RELAY 1. NORMALLY CLOSED Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch. 2. NORMALLY OPEN	 SPEAKER An electromechanical device which creates sound waves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

F RELAY LOCATIONS
[Engine Compartment]

English

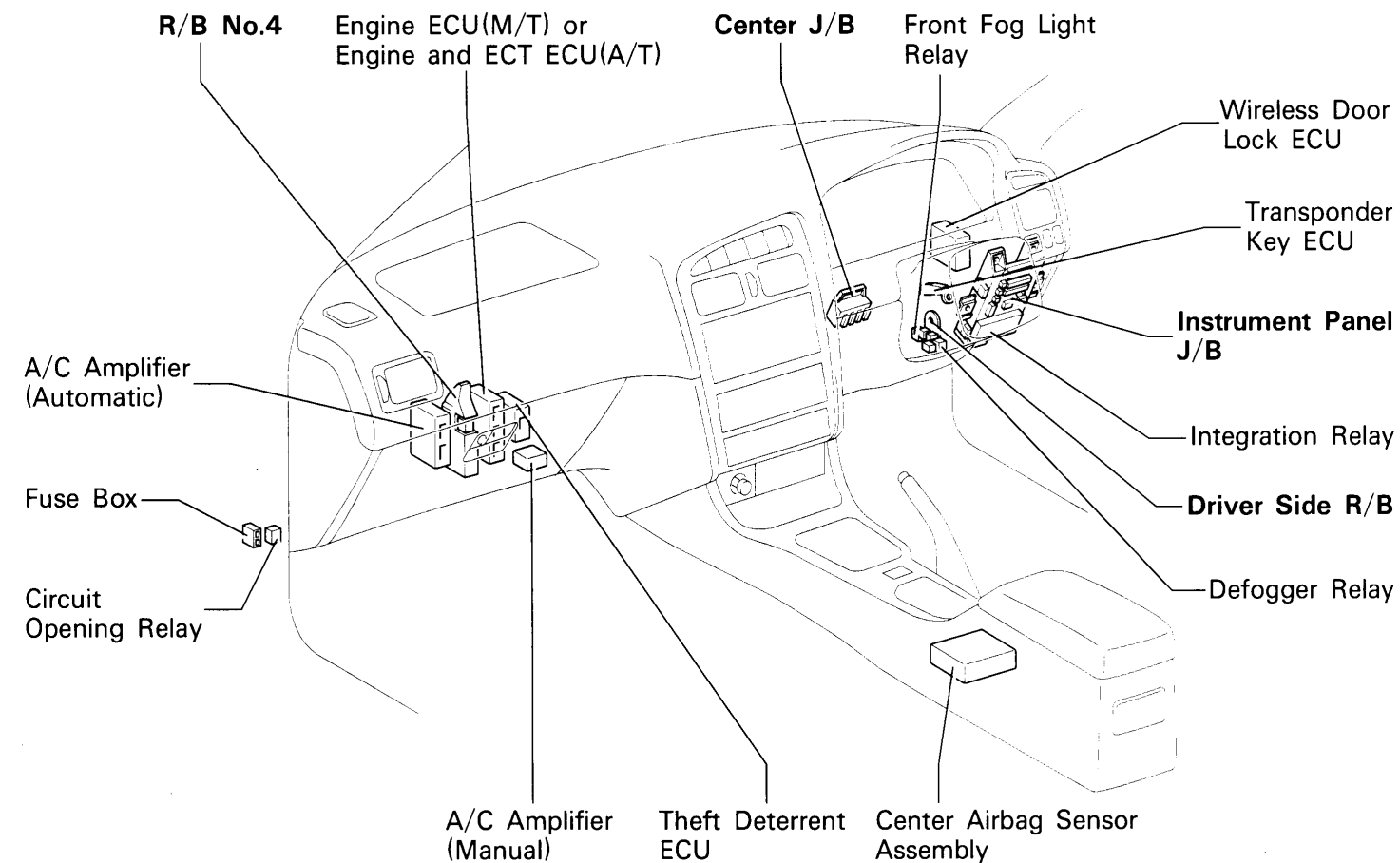


[Instrument Panel]
(LHD)



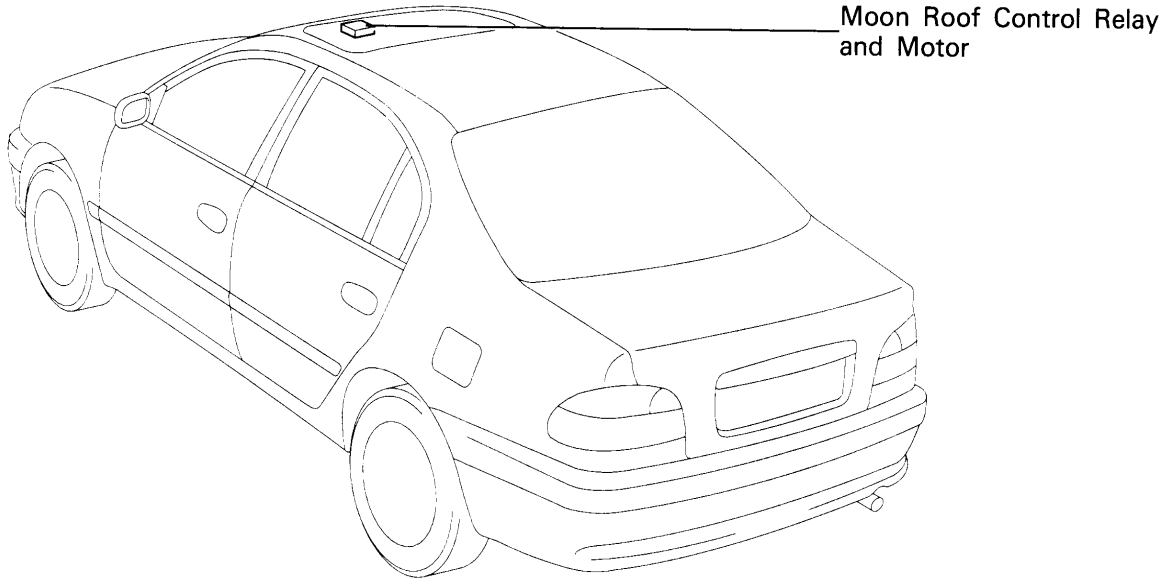
English

(RHD)

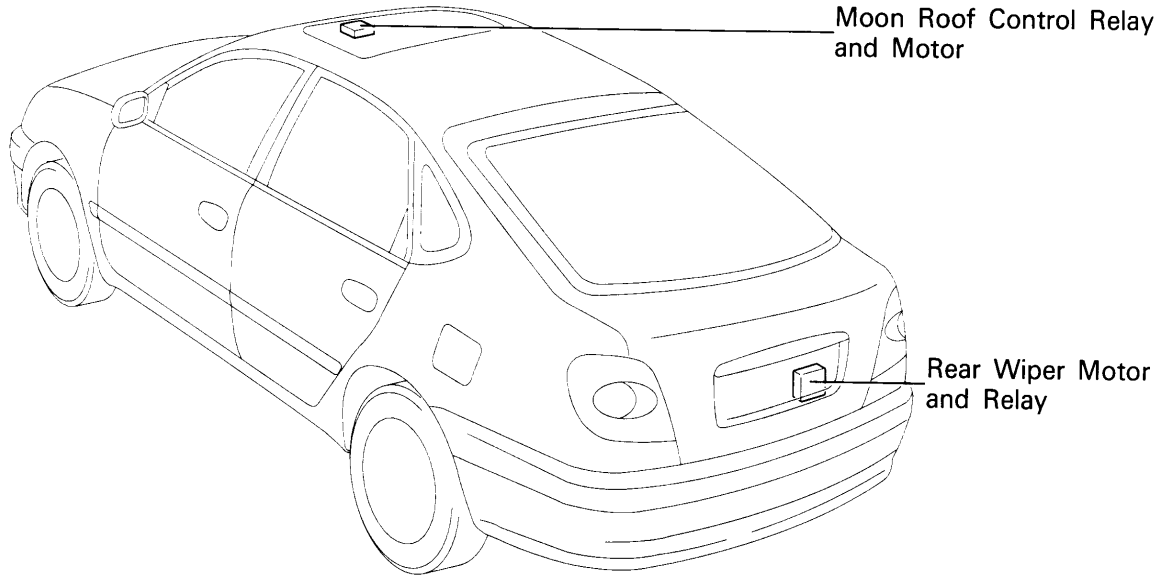


[Body]
(S/D)

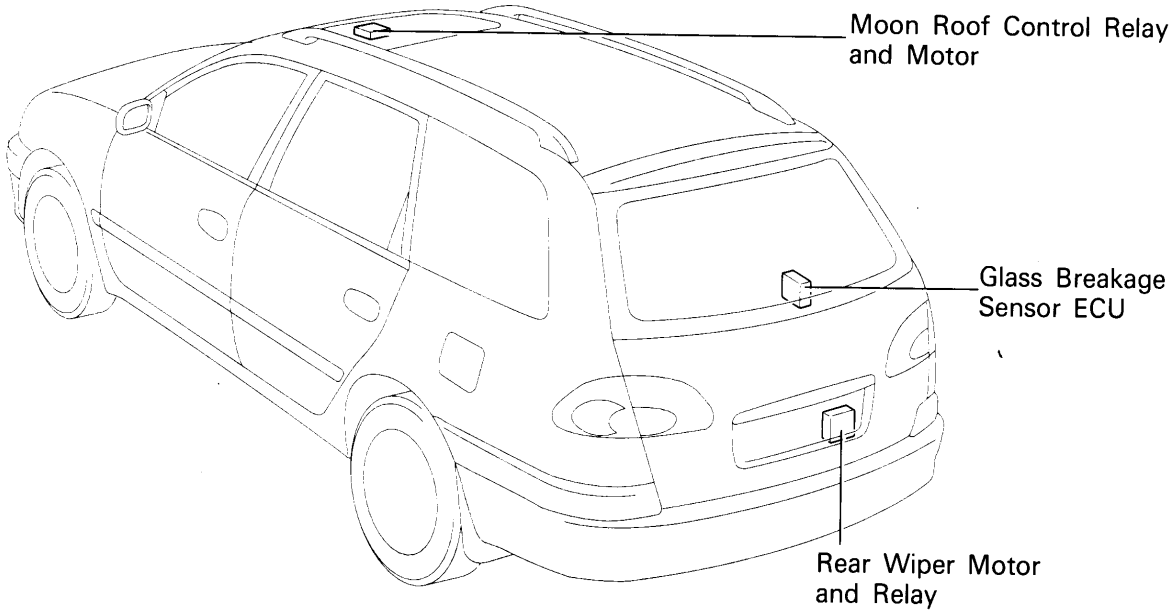
English



(L/B)



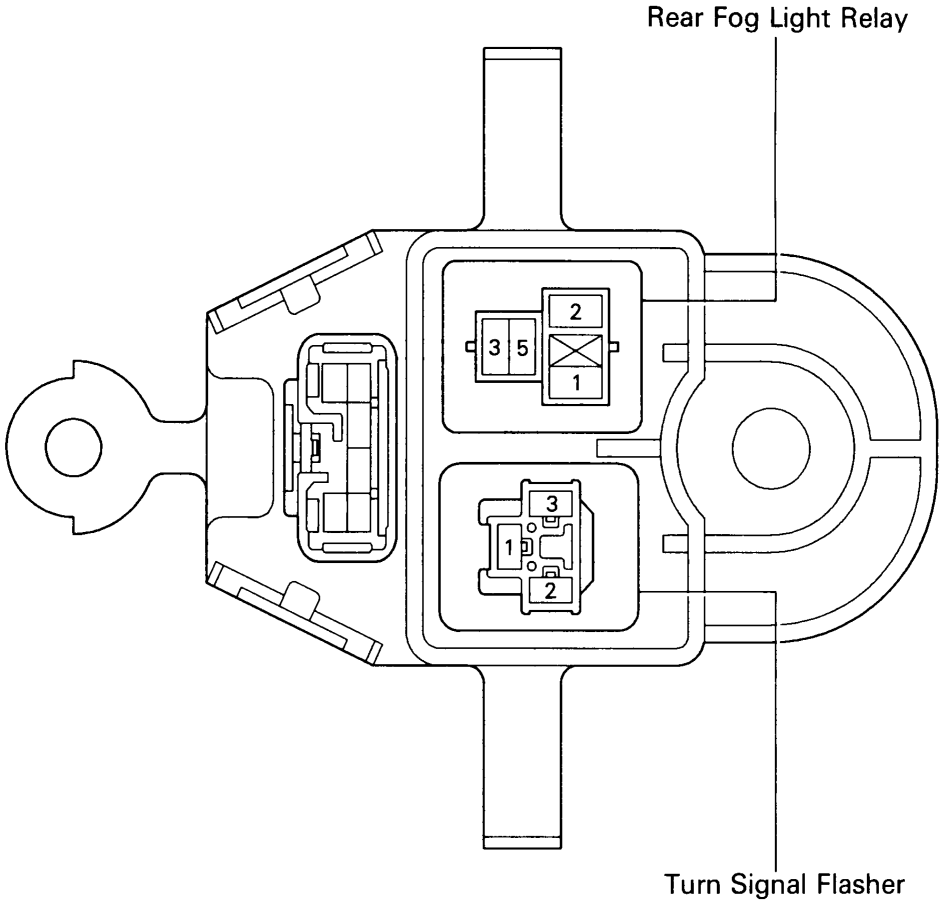
(W/G)



① : Driver Side R/B

LHD : Left Kick Panel (See Page 51)

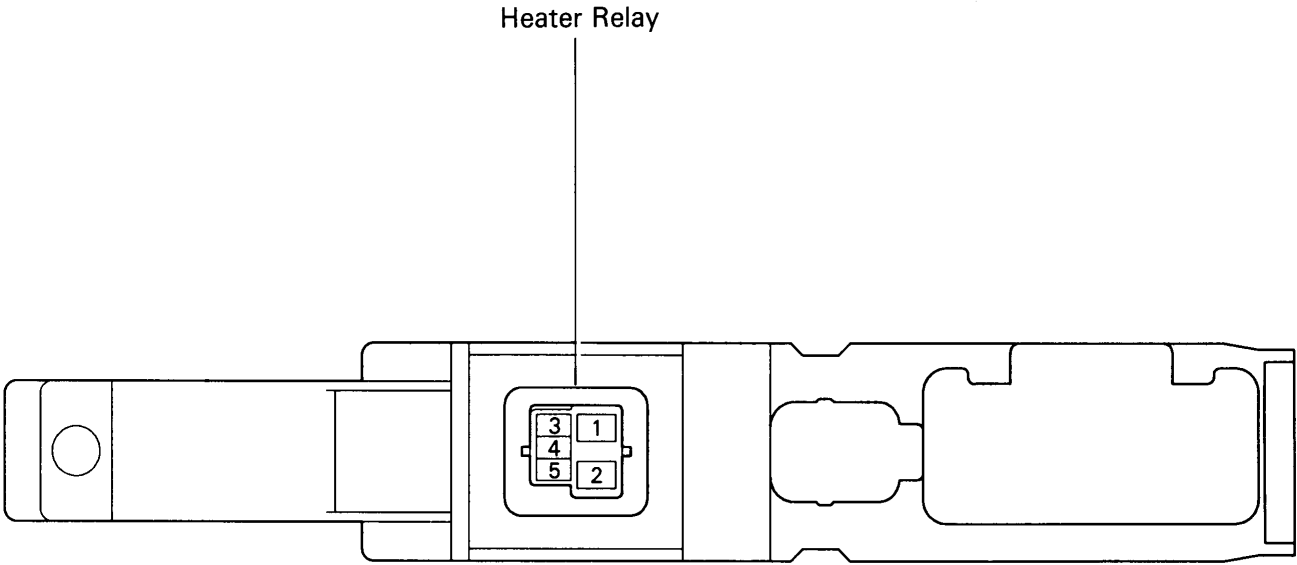
RHD : Right Kick Panel (See Page 51)



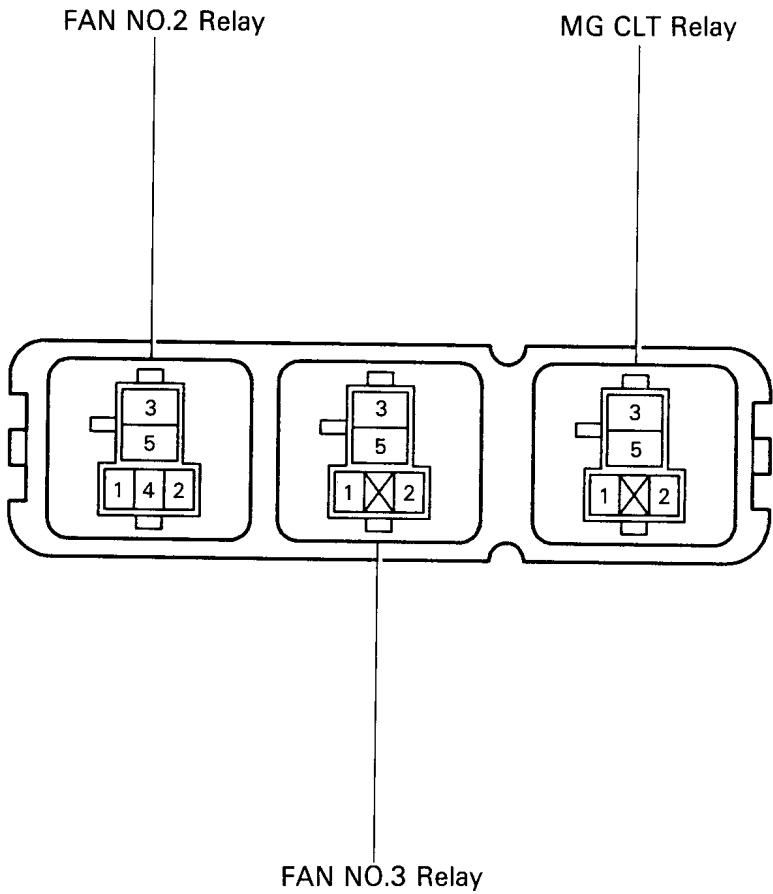
English

④ : R/B No.4

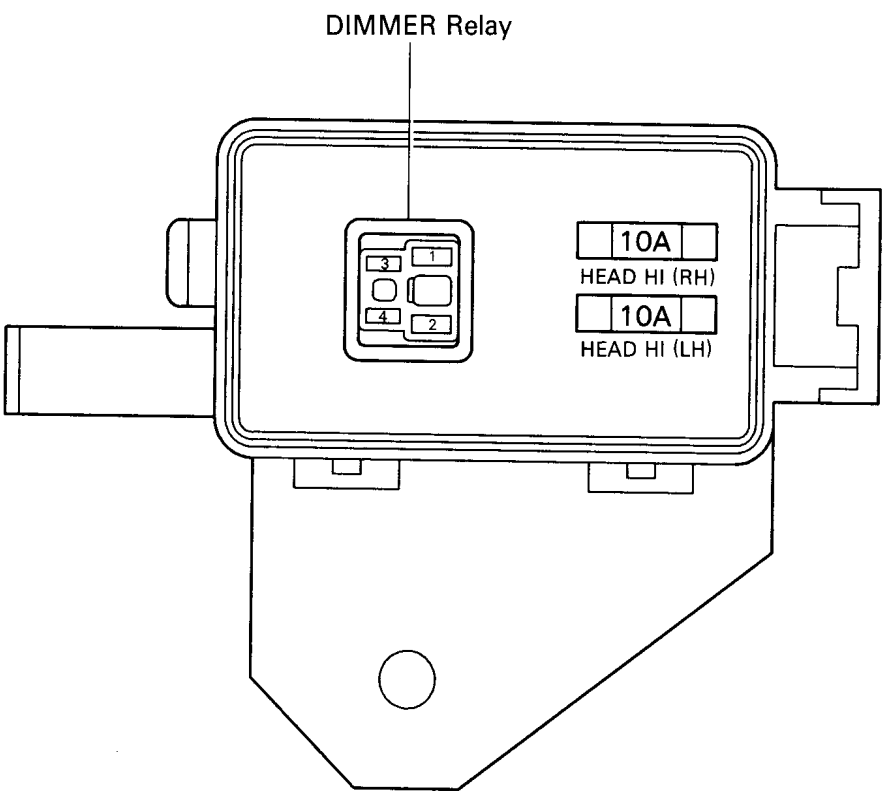
Passenger Side Dash Panel (See Page 51)



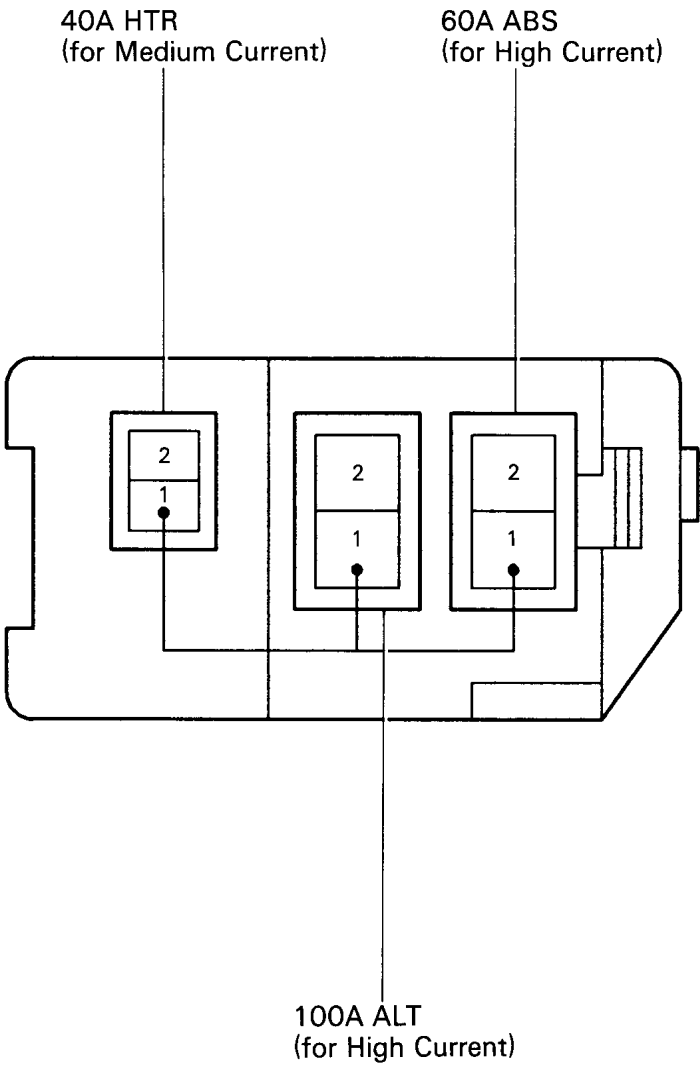
⑤ : Engine Room R/B	Engine Compartment Left (See Page 50)
	(Inside Engine Room J/B)



⑦ : R/B No.7	Radiator Upper Support RH (See Page 50)
(w/ Daytime Running Light)	

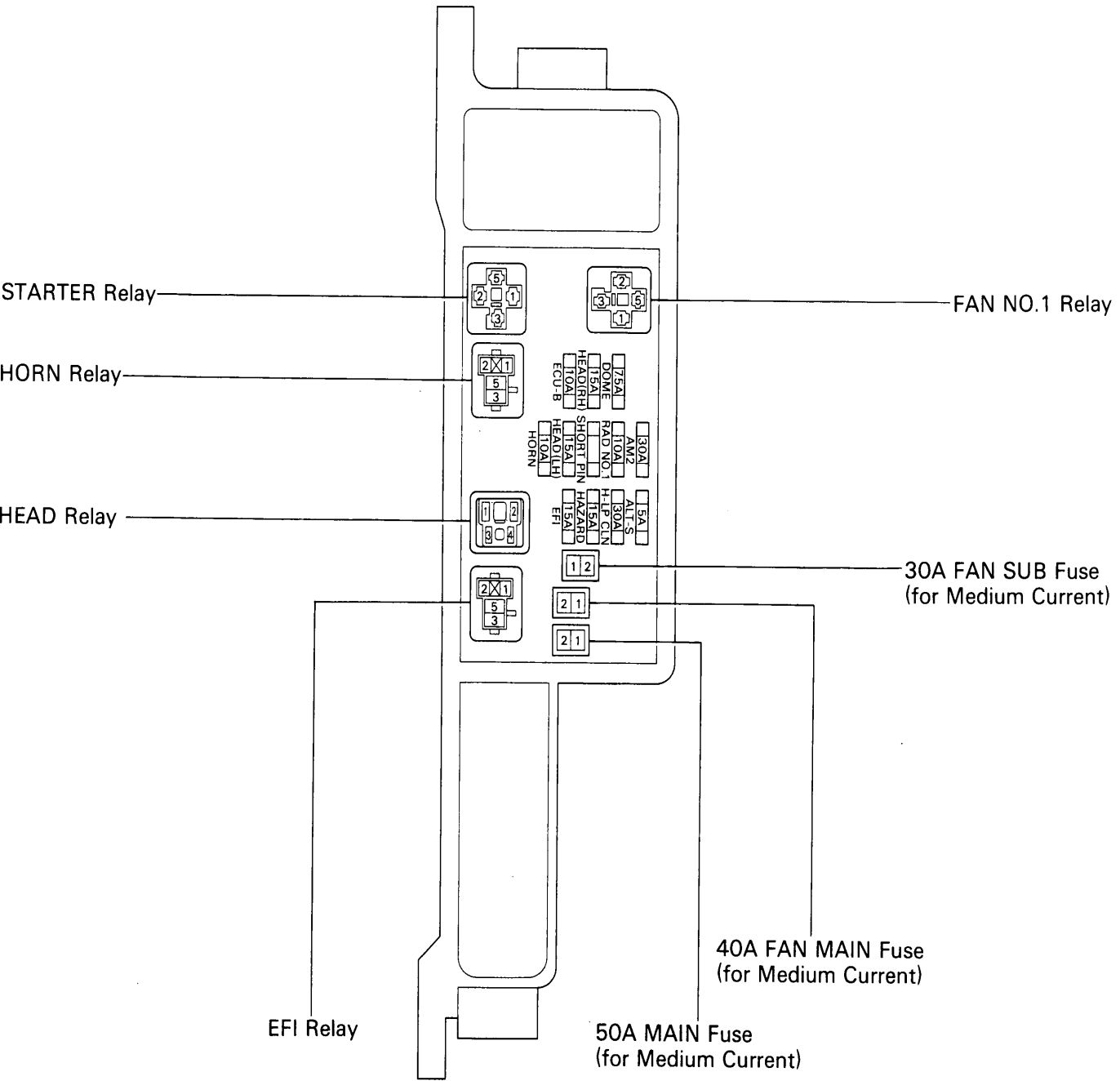


Fusible Link Block	Engine Compartment Left (See Page 50)
	(Inside Engine Room J/B)

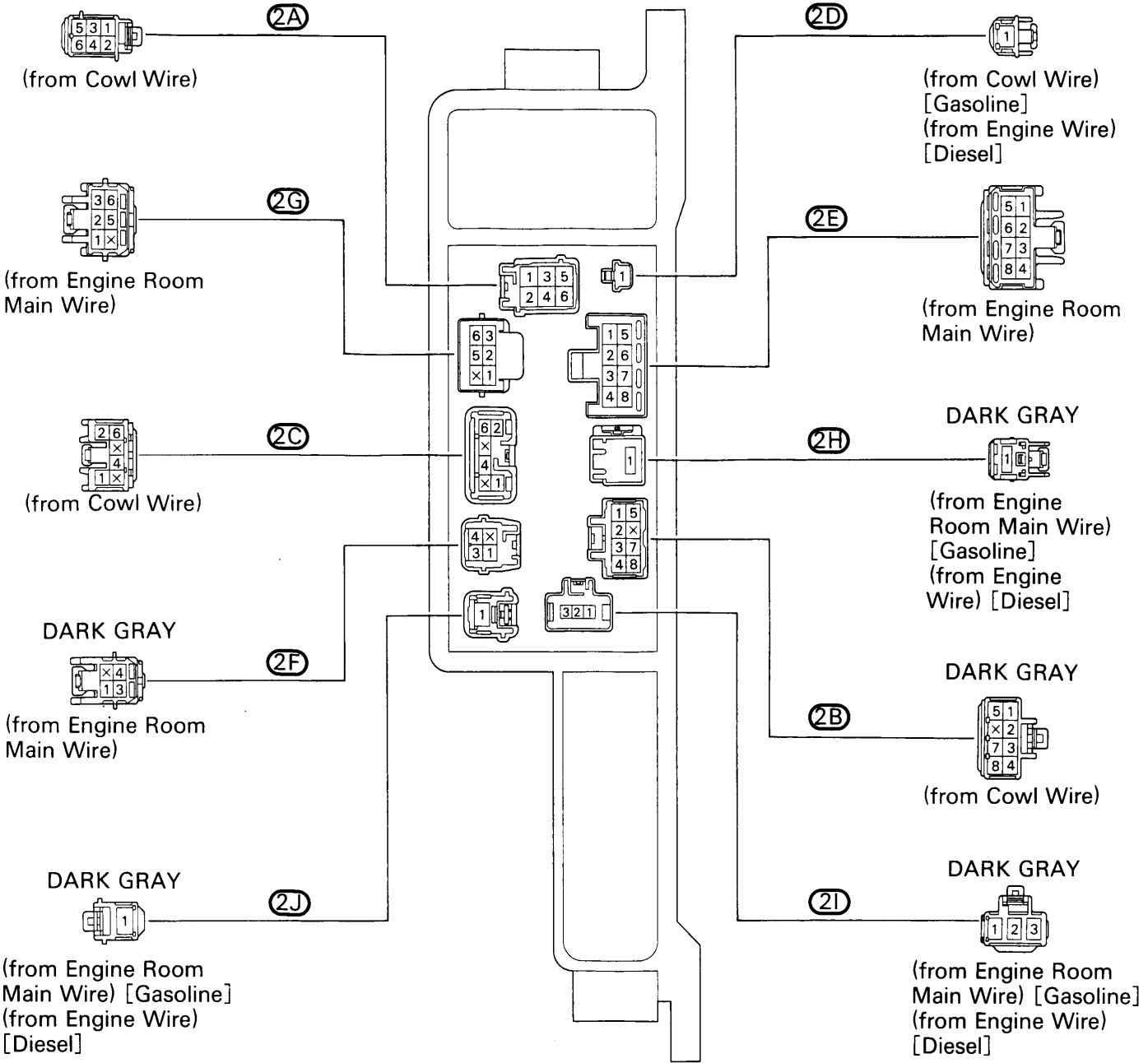


F RELAY LOCATIONS

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

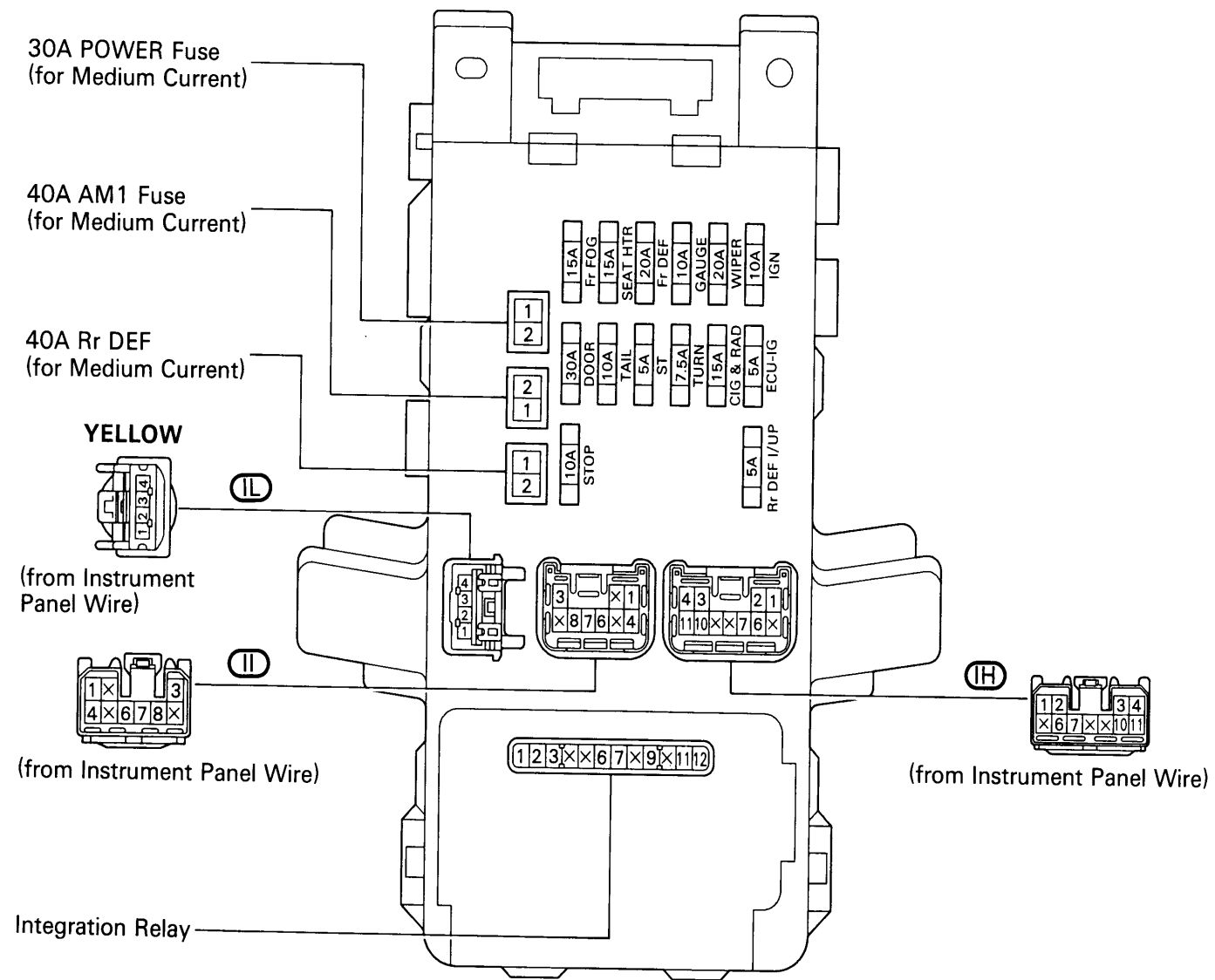


F (Inner Circuit : See Page 62)



: Instrument Panel J/B	Lower Finish Panel (See Page 51)
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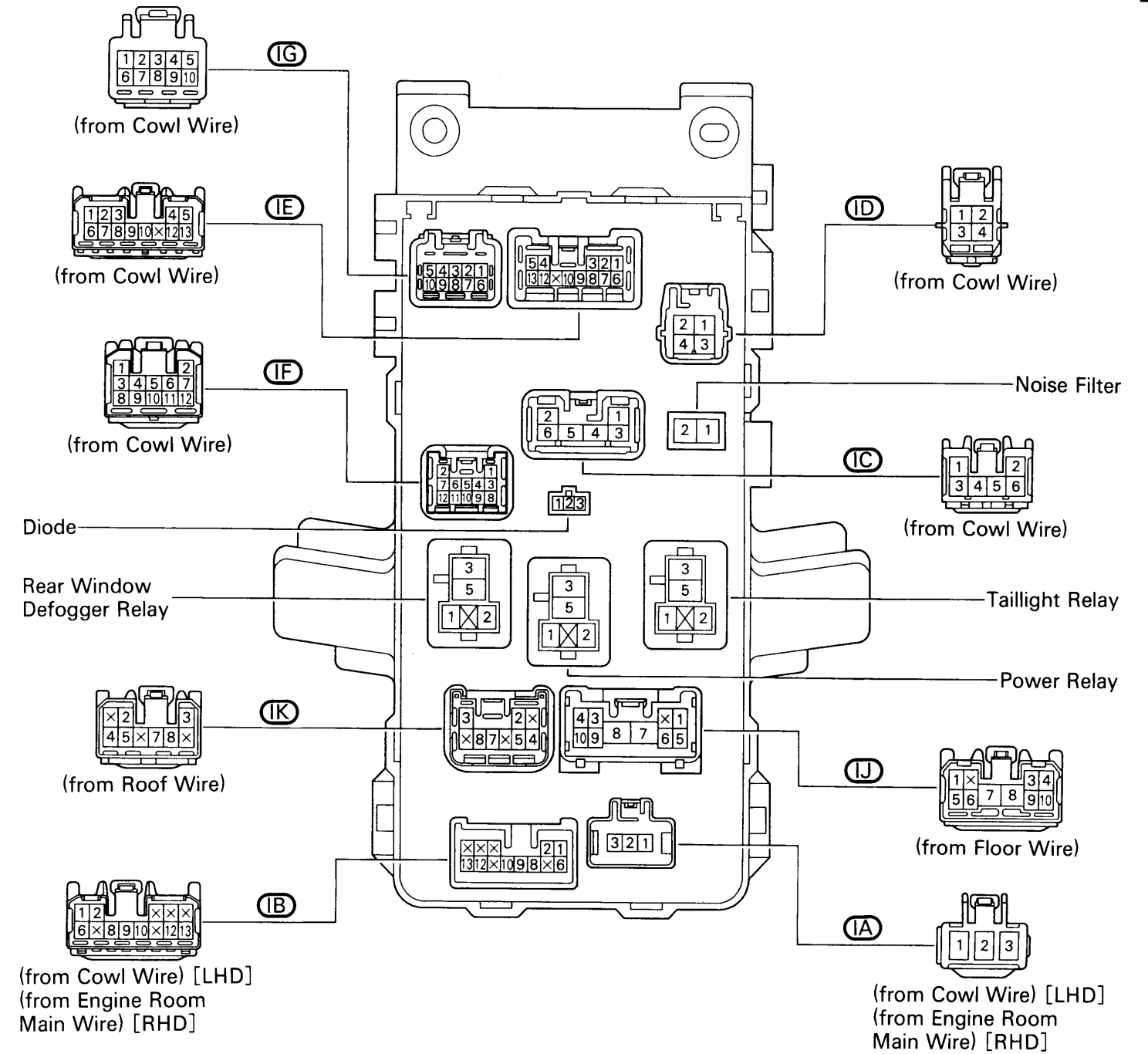
English



F

(Inner Circuit : See Page 63)

English



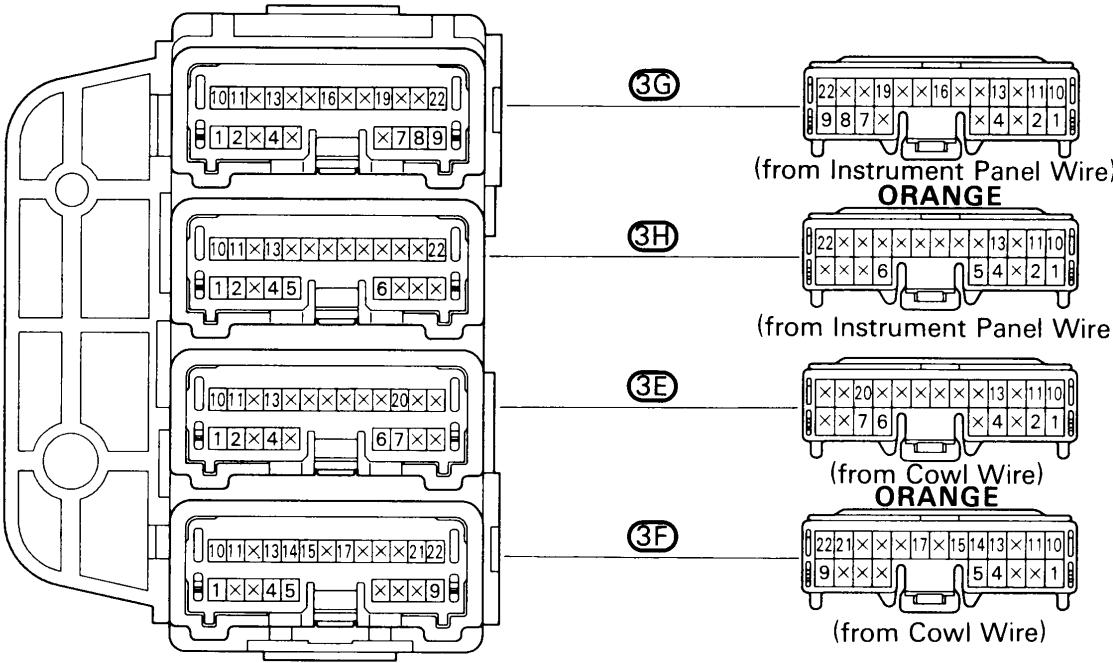
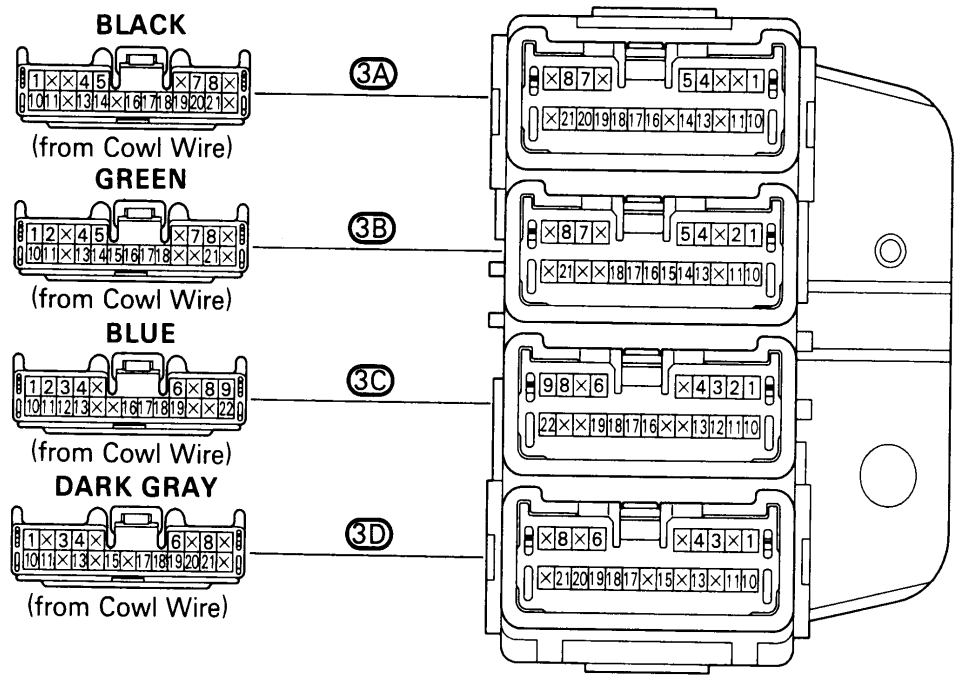
F RELAY LOCATIONS

○ : Center J/B	LHD : Left Side of Heater Unit (See Page 51)
	RHD : Right Side of Heater Unit (See Page 51)

F

(Inner Circuit : See Page 64)

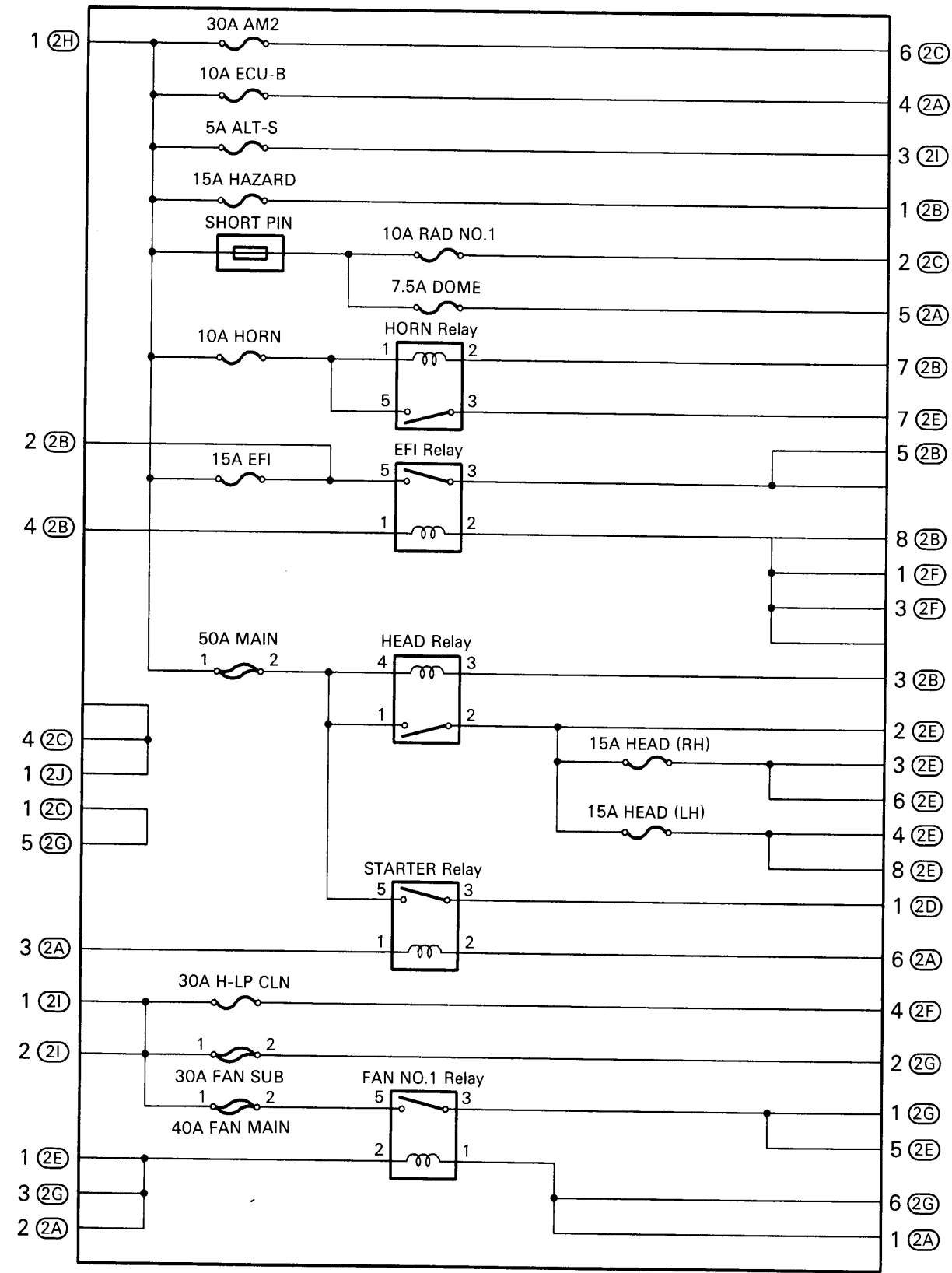
English



English

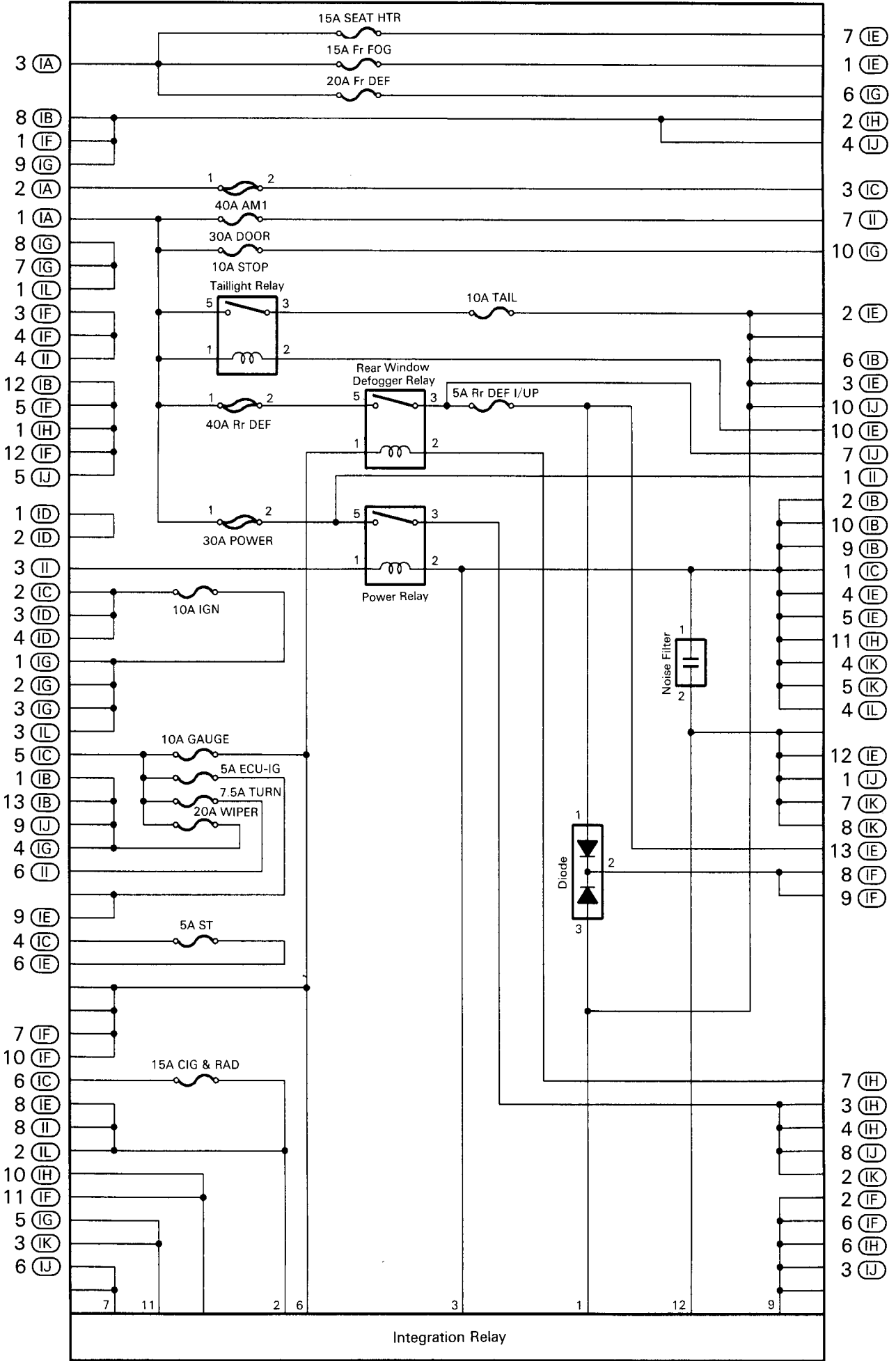
[Engine Room J/B Inner Circuit]

English



[Instrument Panel J/B Inner Circuit]

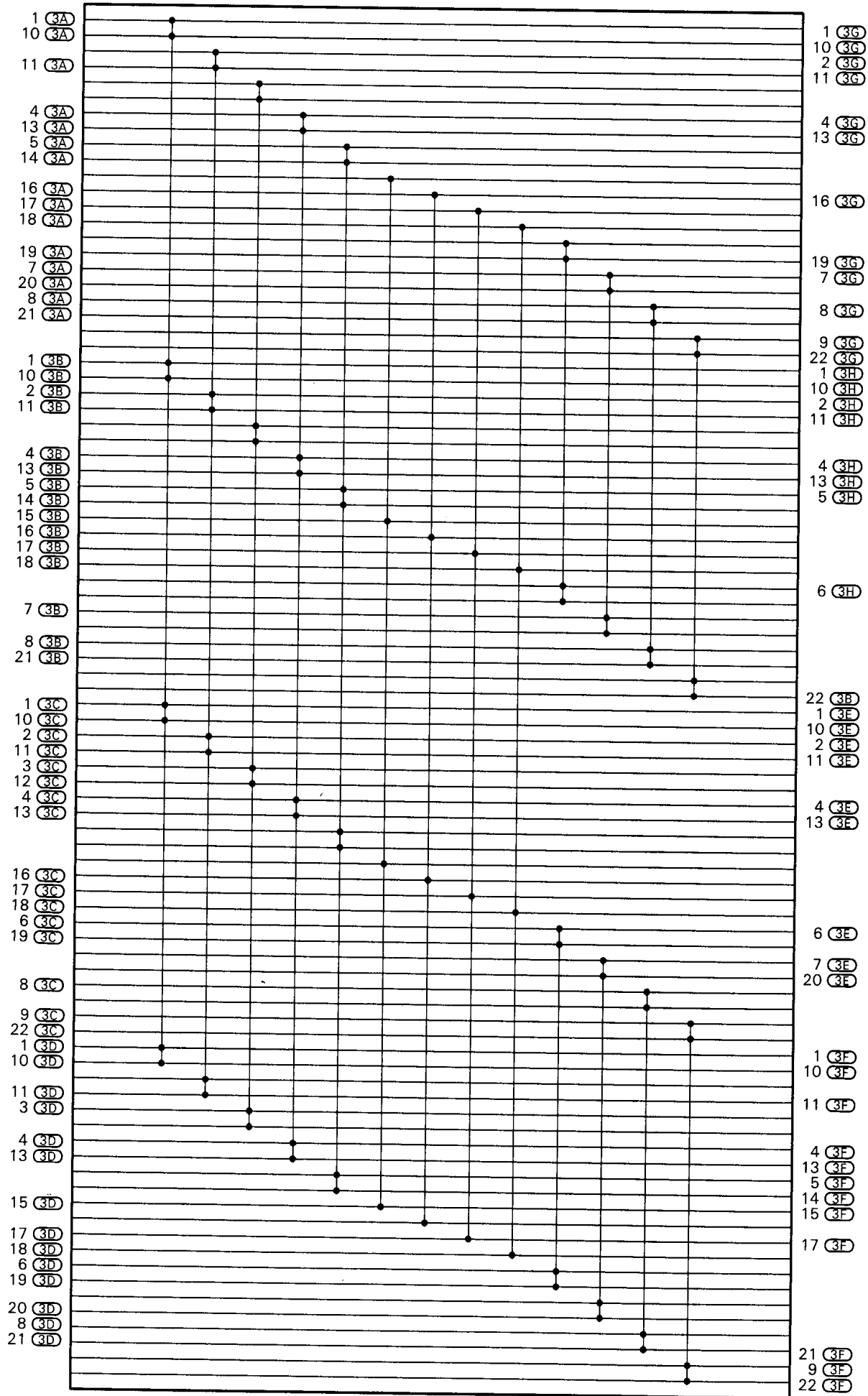
English



F RELAY LOCATIONS

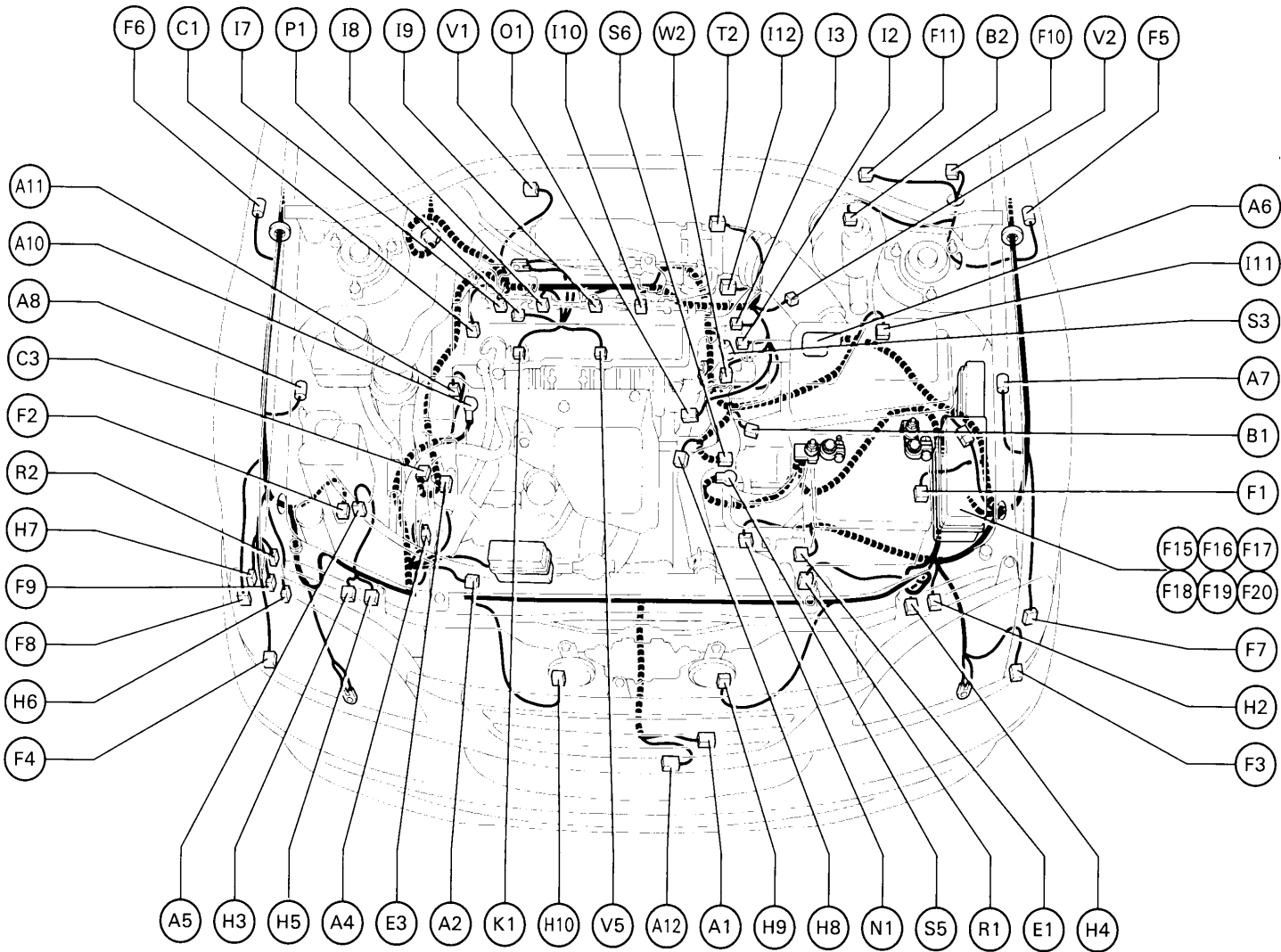
[Center J/B Inner Circuit]

English



Position of Parts in Engine Compartment

[LHD : 3S-FE]



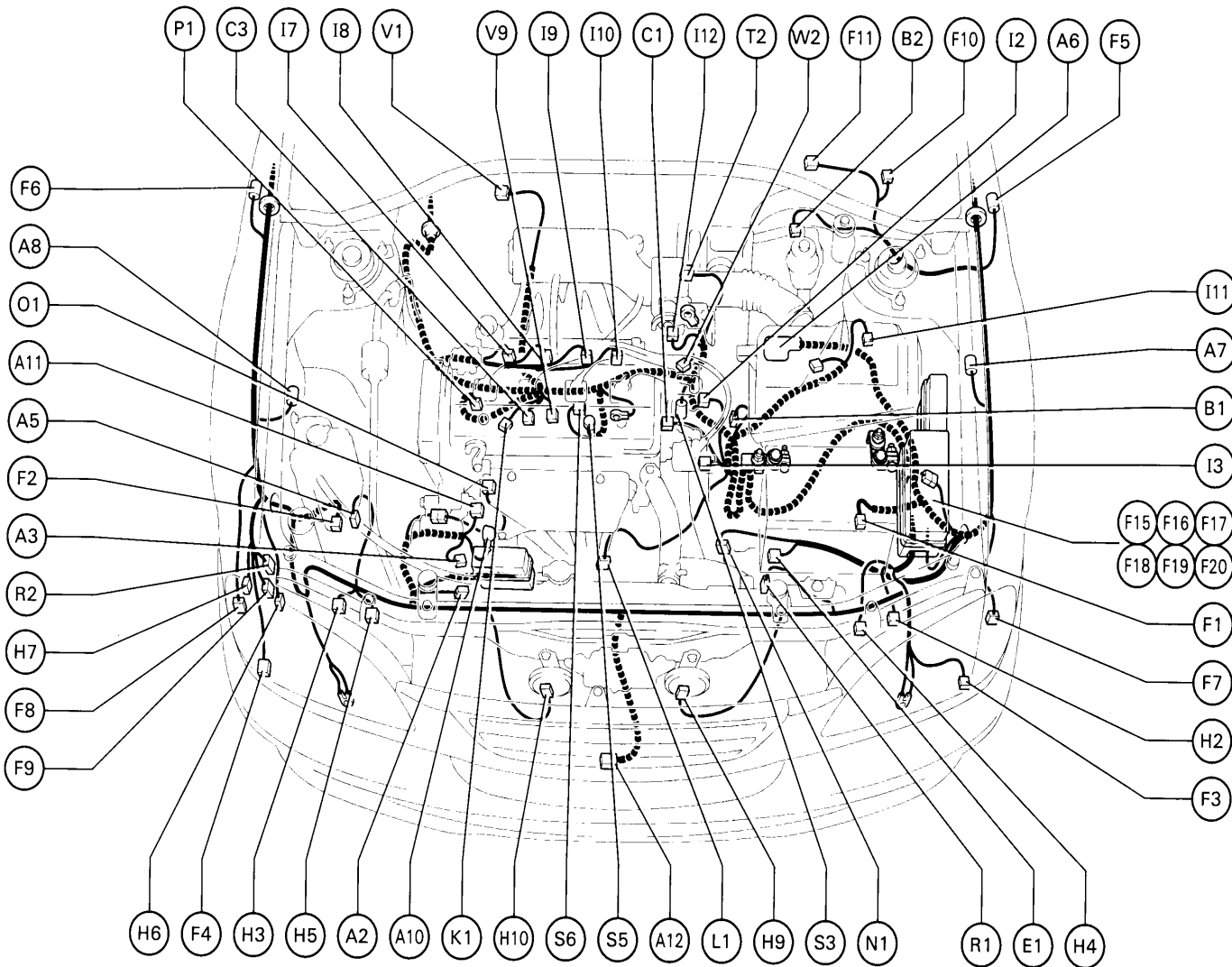
Position of Parts in Engine Compartment

Code	English	Français	Español
A 1	A/C Ambient Temp. Sensor	Capteur de température ambiante de A/C	Sensor del temperatura ambiente del A/C
A 2	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 4	A/C Magnetic Clutch and Lock Sensor	Accouplement magnétique de A/C et capteur de blocage	Embrague magnético del A/C y sensor de bloqueo del A/C
A 5	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 ECU with Actuator	Dispositif de commande de ECU de ABS	ECU de ABS con actuador
A 7	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 8	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Alternator	Alternateur	Alternador
A 11	Alternator	Alternateur	Alternador
A 12	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 3	Crankshaft Position Sensor	Capteur de position de vilebrequin	Sensor de posición del cigüeñal
E 1	ECT Solenoid	Solénoïde de commande ECT	Solenoido de ECT
E 3	Engine Oil Level Sensor	Capteur de niveau d'huile moteur	Sensor del nivel de aceite del motor
F 1	Front Airbag Sensor LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire frontal izquierdo
F 2	Front Airbag Sensor RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire frontal derecho
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 Washer Motor	Moteur de lave-glace de pare-brise	Motor del lavador frontal
F 10	Front Window Deicer	Dégivreur de glace de pare-brise	Deshelador de la ventanilla delantera
F 11	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
F 16	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 17	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 18	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 19	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 20	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 2	Headlight and Front Clearance Light LH	Projecteur et feu d'encombrement avant gauche	Faro y luz de paso delantera izquierda
H 3	Headlight and Front Clearance Light RH	Projecteur et feu d'encombrement avant droit	Faro y luz de paso delantera derecha
H 4	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 5	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 6	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 7	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 8	Heated Oxygen Sensor	Capteur d'oxygène réchauffé	Sensor de oxígeno calentado
H 9	Horn LH	Avertisseur gauche	Bocina izquierda
H 10	Horn RH	Avertisseur droit	Bocina derecha
I 2	Ignition Coil and Igniter No.1	Bobine d'allumage et allumeur no.1	Bobina de encendido y encendedor N. 1
I 3	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 golpeo
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 1	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
P 1	Power Steering Oil Pressure SW	Manocontact de pression d'huile de direction assistée	Interruptor de presión de aceite de la servodirección
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
R 2	Rear Washer Motor	Moteur de lave-glace de lunette arrière	Motor del lavador trasero
S 3	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 5	Starter	Démarrreur	Arrancador
S 6	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
V 2	Variable Resistor	Résistance variable	Resistor variable
V 5	VSV (EGR)	VSV (EGR)	VSV (EGR)
W 2	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua

Position of Parts in Engine Compartment

[LHD : 7A-FE, 4A-FE Lean Burn Type]

English



Position of Parts in Engine Compartment

Code	English	Français	Español
A 2	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	Accouplement magnétique de A/C	Embrague magnético del A/C
A 5	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)	Interrupor de presión triple del A/C (interrupor de presión doble y sencillo del A/C)
A 6	ABS ECU with Actuator	Dispositif de commande de ECU de ABS	ECU de ABS con actuador
A 7	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 8	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Alternator	Alternateur	Alternador
A 11	Alternator	Alternateur	Alternador
A 12	Ambient Temp. Sensor	Capteur de température ambiante	Sensor de la temperatura ambiente
B 1	Back-Up Light SW	Contacteur de feux de recul	Interrupor de la luz de marcha atrás
B 2	Brake Fluid Level Warning SW	Contacteur de rappel de niveau de liquide de frein	Interrupor 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 3	Crankshaft Position Sensor	Capteur de position de vilebrequin	Sensor de posición del cigüeñal
E 1	ECT Solenoid	Solénoïde de commande ECT	Solenoido de ECT
F 1	Front Airbag Sensor LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire frontal izquierdo
F 2	Front Airbag Sensor RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire frontal derecho
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 Washer Motor	Moteur de lave-glace de pare-brise	Motor del lavador frontal
F 10	Front Window Deicer	Dégivreur de glace de pare-brise	Deshelador de la ventanilla delantera
F 11	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
F 16	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 17	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 18	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 19	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 20	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 2	Headlight and Front Clearance Light LH	Projecteur et feu d'encombrement avant gauche	Faro y luz de paso delantera izquierda
H 3	Headlight and Front Clearance Light RH	Projecteur et feu d'encombrement avant droit	Faro y luz de paso delantera derecha
H 4	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 5	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 6	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 7	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 9	Horn LH	Avertisseur gauche	Bocina izquierda
H 10	Horn RH	Avertisseur droit	Bocina derecha
I 2	Ignition Coil and Igniter No.1	Bobine d'allumage et allumeur no.1	Bobina de encendido y encendedor N.º1
I 3	Ignition Coil and Igniter No.2	Bobine d'allumage et allumeur no.2	Bobina de encendido y encendedor N.º2
I 7	Injector No.1	Injecteur no.1	Injector N.º1
I 8	Injector No.2	Injecteur no.2	Injector N.º2
I 9	Injector No.3	Injecteur no.3	Injector N.º3
I 10	Injector No.4	Injecteur no.4	Injector N.º4
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
I 12	ISC Valve	Soupape ISC	Válvula de ISC
K 1	Knock Sensor	Capteur de cognement moteur	Sensor de golpeteo
L 1	Lean Mixture Sensor	Capteur de mélange pauvre	Sensor de mezcla pobre
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interrupor de arranque en punto muerto
O 1	Oil Pressure SW	Manocontact de pression d'huile	Interrupor de presión de aceite
P 1	Power Steering Oil Pressure SW	Manocontact de pression d'huile de direction assistée	Interrupor de presión de aceite de la servodirección
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
R 2	Rear Washer Motor	Moteur de lave-glace de lunette arrière	Motor del lavador trasero
S 3	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 5	Starter	Démarrreur	Arrancador
S 6	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
V 9	VSV (Swirl Control)	VSV (contrôle de turbulence)	VSV (control de turbulencia)
W 2	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua

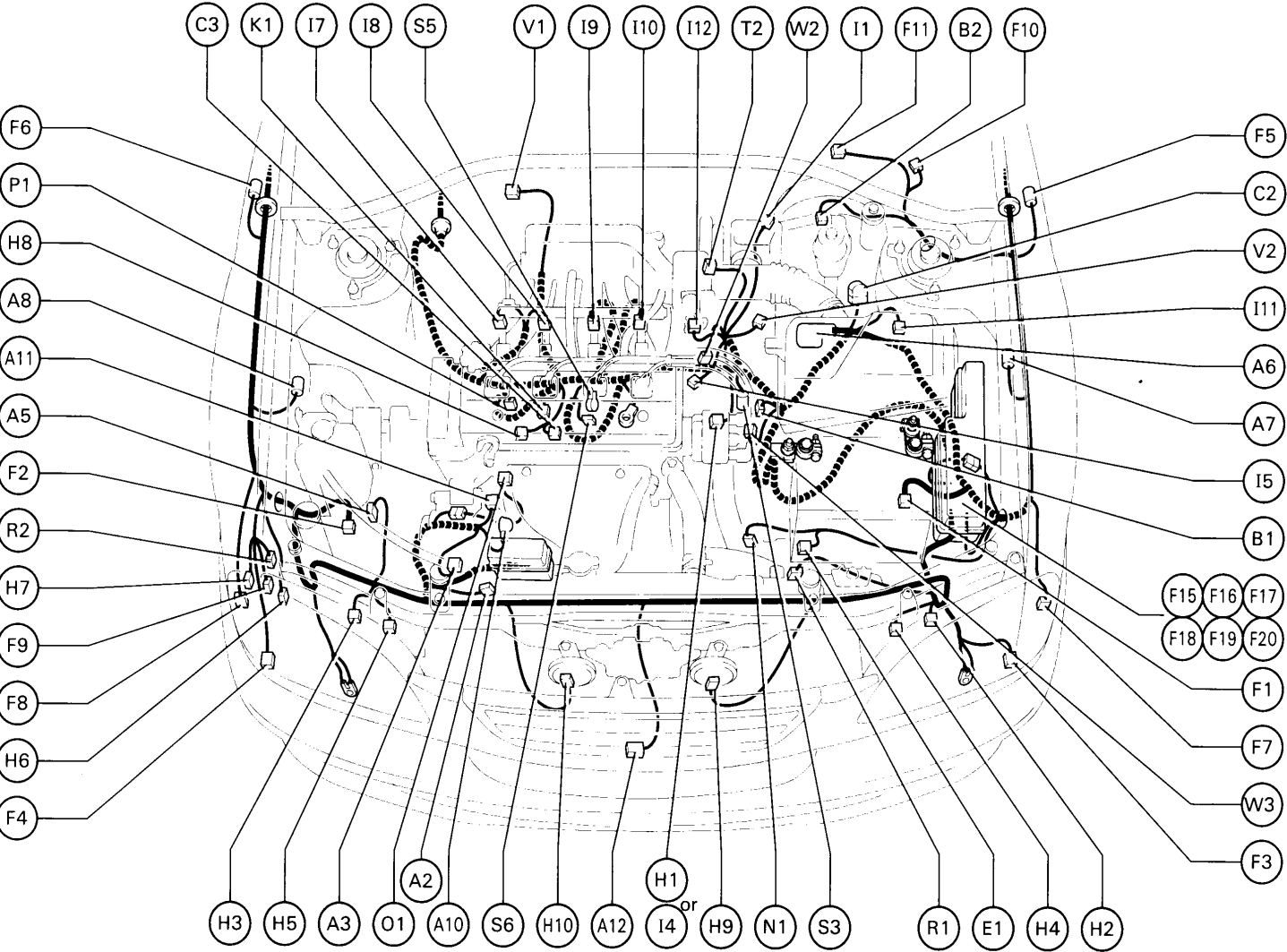
English

Français

Español

Position of Parts in Engine Compartment

[LHD : 4A-FE Stoichiometric Type]

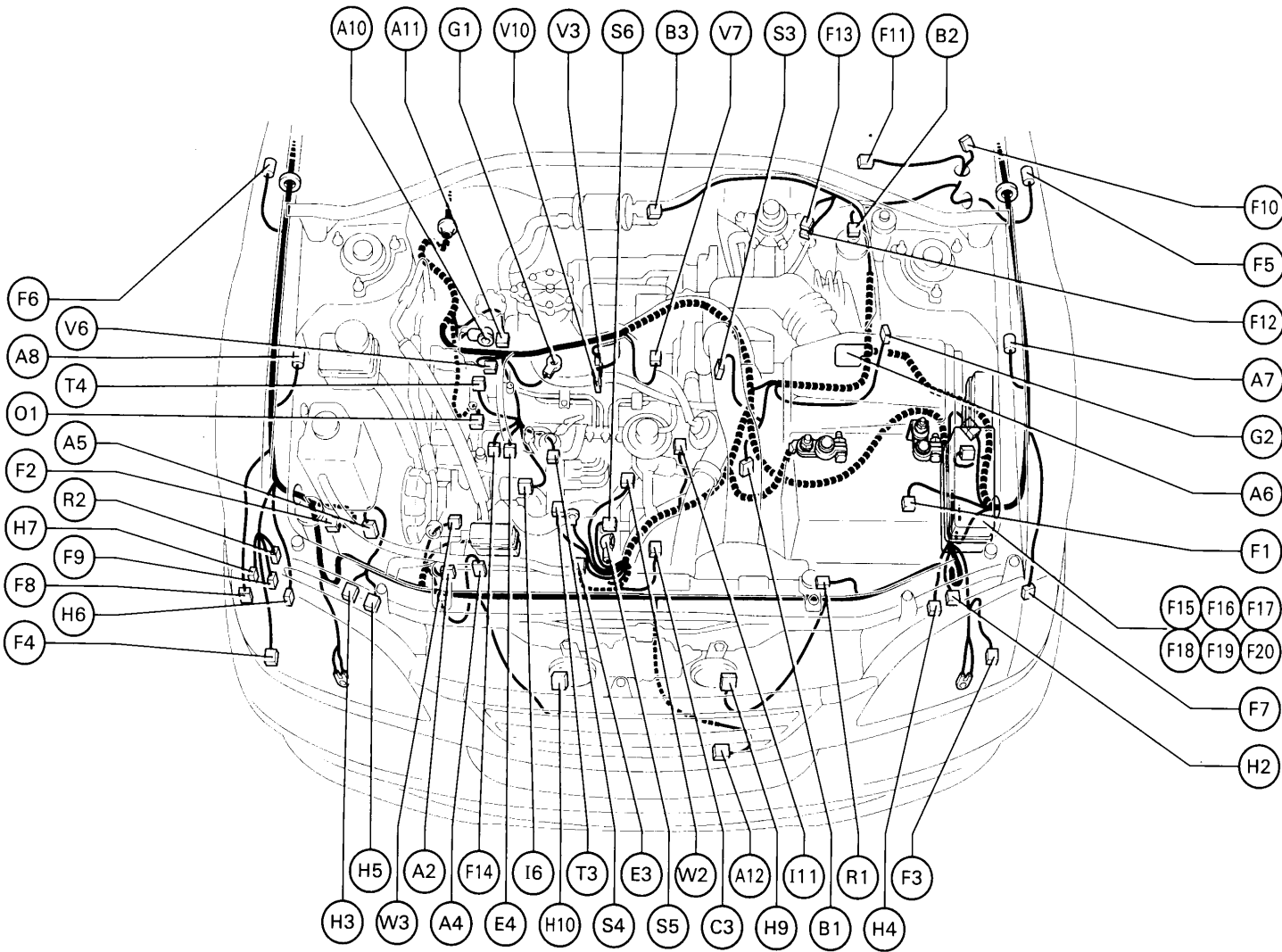


Position of Parts in Engine Compartment

Code	English	Français	Español
A 2	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	Accouplement magnétique de A/C	Embrague magnético del A/C
A 5	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 ECU with Actuator	Dispositif de commande de ECU de ABS	ECU de ABS con actuador
A 7	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 8	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Alternator	Alternateur	Alternador
A 11	Alternator	Alternateur	Alternador
A 12	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	Crankshaft Position Sensor	Capteur de position de vilebrequin	Sensor de posición del cigüeñal
E 1	ECT Solenoid	Solénoïde de commande ECT	Solenóide de ECT
F 1	Front Airbag Sensor LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire frontal izquierdo
F 2	Front Airbag Sensor RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire frontal derecho
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 Washer Motor	Moteur de lave-glace de pare-brise	Motor del lavador frontal
F 10	Front Window Deicer	Dégivreur de glace de pare-brise	Deshelador de la ventanilla delantera
F 11	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
F 16	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 17	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 18	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 19	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 20	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
H 1	Hall Sensor	Capteur de Hall	Sensor de sala
H 2	Headlight and Front Clearance Light LH	Projecteur et feu d'encombrement avant gauche	Faro y luz de paso delantera izquierda
H 3	Headlight and Front Clearance Light RH	Projecteur et feu d'encombrement avant droit	Faro y luz de paso delantera derecha
H 4	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 5	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 6	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 7	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 8	Heated Oxygen Sensor	Capteur d'oxygène réchauffé	Sensor de oxígeno calentado
H 9	Horn LH	Avertisseur gauche	Bocina izquierda
H 10	Horn RH	Avertisseur droit	Bocina derecha
I 1	Ignition Coil	Bobine d'allumage	Bobina de encendido
I 4	IIA	IIA	IIA
I 5	IIA	IIA	IIA
I 7	Injector No.1	Injecteur no.1	Injector N.º1
I 8	Injector No.2	Injecteur no.2	Injector N.º2
I 9	Injector No.3	Injecteur no.3	Injector N.º3
I 10	Injector No.4	Injecteur no.4	Injector N.º4
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
I 12	ISC Valve	Soupape ISC	Válvula de ISC
K 1	Knock Sensor	Capteur de cognement moteur	Sensor de golpeo
N 1	Neutral Start SW	Contacteur de démarrage au point mort	Interruptor de arranque en punto muerto
O 1	Oil Pressure SW	Manocontact de pression d'huile	Interruptor de presión de aceite
P 1	Power Steering Oil Pressure SW	Manocontact de pression d'huile de direction assistée	Interruptor de presión de aceite de la servodirección
R 1	Radiator Fan Motor	Moteur de ventilateur de radiateur	Motor del ventilador del radiador
R 2	Rear Washer Motor	Moteur de lave-glace de lunette arrière	Motor del lavador trasero
S 3	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 5	Starter	Démarrreur	Arrancador
S 6	Starter	Démarrreur	Arrancador
T 2	Throttle Position Sensor	Capteur de position de papillon d'accélération	Sensor de posición del acelerador
V 1	Vacuum Sensor	Capteur de dépression	Sensor de vacío
V 2	Variable Resistor	Résistance variable	Resistor variable
W 2	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua
W 3	Water Temp. SW	Contacteur de température d'eau	Interruptor de la temperatura del agua

Position of Parts in Engine Compartment

[LHD : 2C-TE]

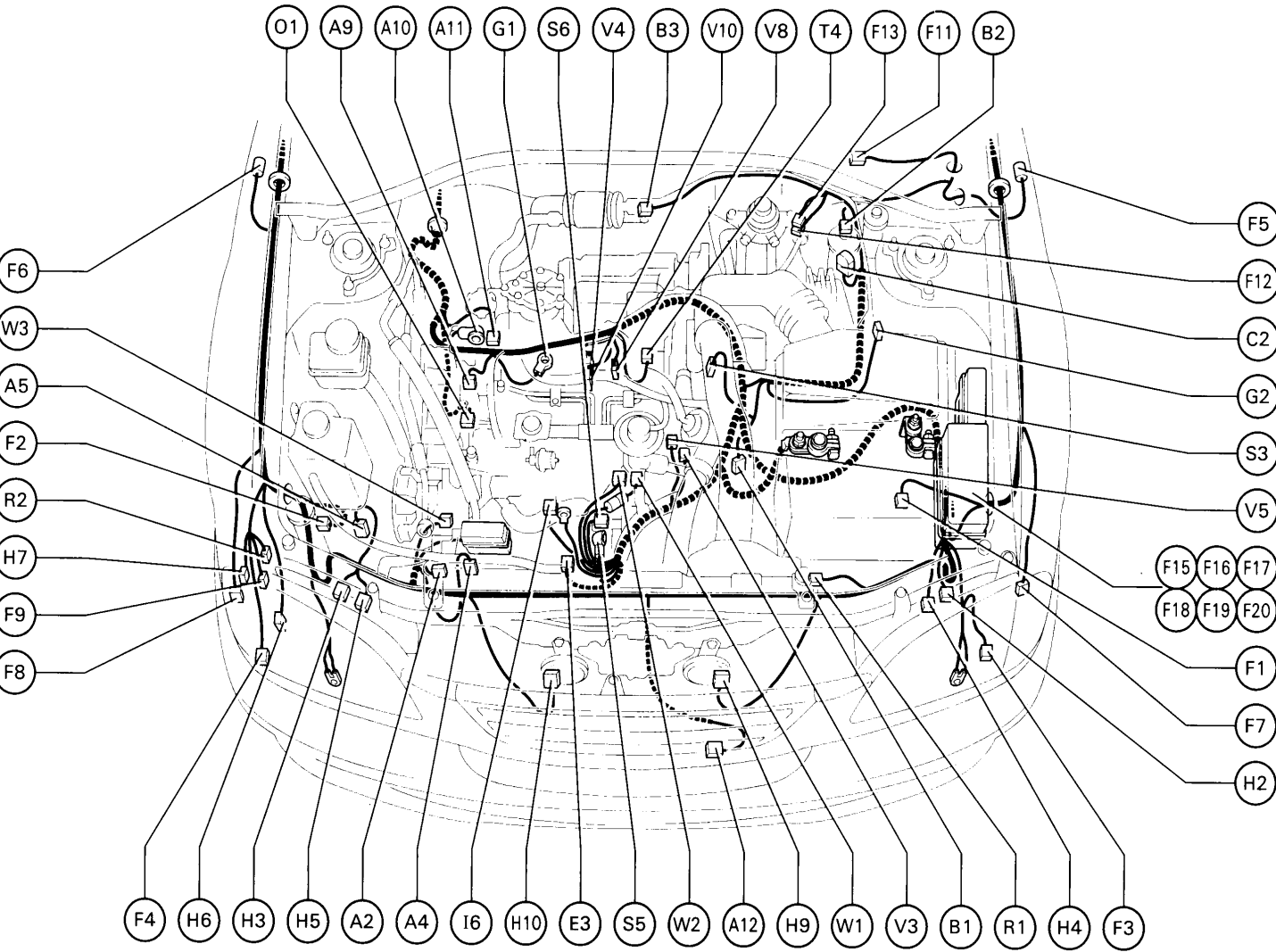


Position of Parts in Engine Compartment

Code	English	Français	Español
A 2	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 4	A/C Magnetic Clutch and Lock Sensor	Accouplement magnétique de A/C et capteur de blocage	Embrague magnético del A/C y sensor de bloqueo del A/C
A 5	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 ECU with Actuator	Dispositif de commande de ECU de ABS	ECU de ABS con actuador
A 7	ABS Speed Sensor Front LH	Capteur de vitesse de ABS avant gauche	Sensor de velocidad de ABS, frontal izquierdo
A 8	ABS Speed Sensor Front RH	Capteur de vitesse de ABS avant droit	Sensor de velocidad de ABS, frontal derecho
A 10	Alternator	Alternateur	Alternador
A 11	Alternator	Alternateur	Alternador
A 12	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
B 3	Brake Vacuum Warning SW	Contacteur de rappel de dépression de frein	Interruptor de advertencia de vacío del freno
C 3	Crankshaft Position Sensor	Capteur de position de vilebrequin	Sensor de posición del cigüeñal
E 3	Engine Oil Level Sensor	Capteur de niveau d'huile moteur	Sensor del nivel de aceite del motor
E 4	Engine Speed Sensor	Capteur de vitesse de moteur	Sensor de la velocidad del motor
F 1	Front Airbag Sensor LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire frontal izquierdo
F 2	Front Airbag Sensor RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire frontal derecho
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 Washer Motor	Moteur de lave-glace de pare-brise	Motor del lavador frontal
F 10	Front Window Deicer	Dégivreur de glace de pare-brise	Deshelador de la ventanilla delantera
F 11	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 12	Fuel Heater	Réchauffeur de combustible	Calefactor de combustible
F 13	Fuel Sedimentary SW	Contacteur d'accumulateur de dépôts d'essence	Interruptor de sedimentos 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
F 16	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 17	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 18	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 19	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 20	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 2	Headlight and Front Clearance Light LH	Projecteur et feu d'encombrement avant gauche	Faro y luz de paso delantera izquierda
H 3	Headlight and Front Clearance Light RH	Projecteur et feu d'encombrement avant droit	Faro y luz de paso delantera derecha
H 4	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 5	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 6	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 7	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 9	Horn LH	Avertisseur gauche	Bocina izquierda
H 10	Horn RH	Avertisseur droit	Bocina derecha
I 6	Injection Pump	Pompe d'injection	Bomba de inyección
I 11	Intake Air Temp. Sensor	Capteur de température d'air d'admission	Sensor de la temperatura del aire de admisión
O 1	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
R 2	Rear Washer Motor	Moteur de lave-glace de lunette arrière	Motor del lavador trasero
S 3	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 4	Spill Control Valve	Soupape de contrôle de décharge	Válvula de control de rebose
S 5	Starter	Démarrreur	Arrancador
S 6	Starter	Démarrreur	Arrancador
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 3	VRV (EGR)	VRV (EGR)	VRV (EGR)
V 6	VSV (Fully Closed)	VSV (complètement fermée)	VSV (completamente cerrada)
V 7	VSV (Idle Opening)	VSV (ouverture de ralenti)	VSV (apertura de ralentí)
V 10	VSV (Turbo Pressure Sensor)	VSV (capteur de pression de turbocompresseur)	VSV (sensor de presión turbo)
W 2	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua
W 3	Water Temp. SW	Contacteur de température d'eau	Interruptor de la temperatura del agua

Position of Parts in Engine Compartment

[LHD : 2C-T]



English

English

Français

Español

Position of Parts in Engine Compartment

Code	English	Français	Español
A 2	A/C Condenser Fan Motor	Moteur de ventilateur de condenseur de A/C	Motor del ventilador del condensador del A/C
A 4	A/C Magnetic Clutch and Lock Sensor	Accouplement magnétique de A/C et capteur de blocage	Embrague magnético del A/C y sensor de bloqueo del A/C
A 5	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 9	Accelerator Pedal Position Sensor	Capteur de position de pédale d'accélérateur	Sensor de la posición del pedal del acelerador
A 10	Alternator	Alternateur	Alternador
A 11	Alternator	Alternateur	Alternador
A 12	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
B 3	Brake Vacuum Warning SW	Contacteur de rappel de dépression de frein	Interruptor de advertencia de vacío del freno
C 2	Check Connector	Bloc raccord de câblage de diagnostic	Conector de comprobación
E 3	Engine Oil Level Sensor	Capteur de niveau d'huile moteur	Sensor del nivel de aceite del motor
F 1	Front Airbag Sensor LH	Capteur de sac gonflable avant gauche	Sensor del colchón de aire frontal izquierdo
F 2	Front Airbag Sensor RH	Capteur de sac gonflable avant droit	Sensor del colchón de aire frontal derecho
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 Washer Motor	Moteur de lave-glace de pare-brise	Motor del lavador frontal
F 11	Front Wiper Motor	Moteur d'essuie-glace de pare-brise	Motor del limpiador frontal
F 12	Fuel Heater	Réchauffeur de combustible	Calefactor de combustible
F 13	Fuel Sedimentary SW	Contacteur d'accumulateur de dépôts d'essence	Interruptor de sedimentos de combustible
F 15	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 16	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 17	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 18	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 19	Fusible Link Block	Bloc d'éléments fusibles	Bloque de eslabones fusibles
F 20	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 2	Headlight and Front Clearance Light LH	Projecteur et feu d'encombrement avant gauche	Faro y luz de paso delantera izquierda
H 3	Headlight and Front Clearance Light RH	Projecteur et feu d'encombrement avant droit	Faro y luz de paso delantera derecha
H 4	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 5	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 6	Headlight Cleaner Motor	Moteur de lave-projecteur avant	Motor del limpiador del faro
H 7	Headlight Cleaner Relay	Relais de lave-projecteur avant	Relé del limpiador del faro
H 9	Horn LH	Avertisseur gauche	Bocina izquierda
H 10	Horn RH	Avertisseur droit	Bocina derecha
I 6	Injection Pump	Pompe d'injection	Bomba de inyección
O 1	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
R 2	Rear Washer Motor	Moteur de lave-glace de lunette arrière	Motor del lavador trasero
S 3	Speed Sensor	Capteur de vitesse	Sensor de velocidad
S 5	Starter	Démarrreur	Arrancador
S 6	Starter	Démarrreur	Arrancador
T 4	Turbo Pressure Sensor	Capteur de pression de turbocompresseur	Sensor de presión turbo
V 3	VRV (EGR)	VRV (EGR)	VRV (EGR)
V 4	VSV (BACS)	VSV (BACS)	VSV (BACS)
V 5	VSV (EGR)	VSV (EGR)	VSV (EGR)
V 8	VSV (Idle-Up)	VSV (de régime ralenti accéléré)	VSV (aumento del ralentí)
V 10	VSV (Turbo Pressure Sensor)	VSV (capteur de pression de turbocompresseur)	VSV (sensor de presión turbo)
W 1	Water Temp. Sender	Jauge émettrice de température d'eau	Emisor de la temperatura del agua
W 2	Water Temp. Sensor	Capteur de température d'eau	Sensor de la temperatura del agua
W 3	Water Temp. SW	Contacteur de température d'eau	Interruptor de la temperatura del agua

English

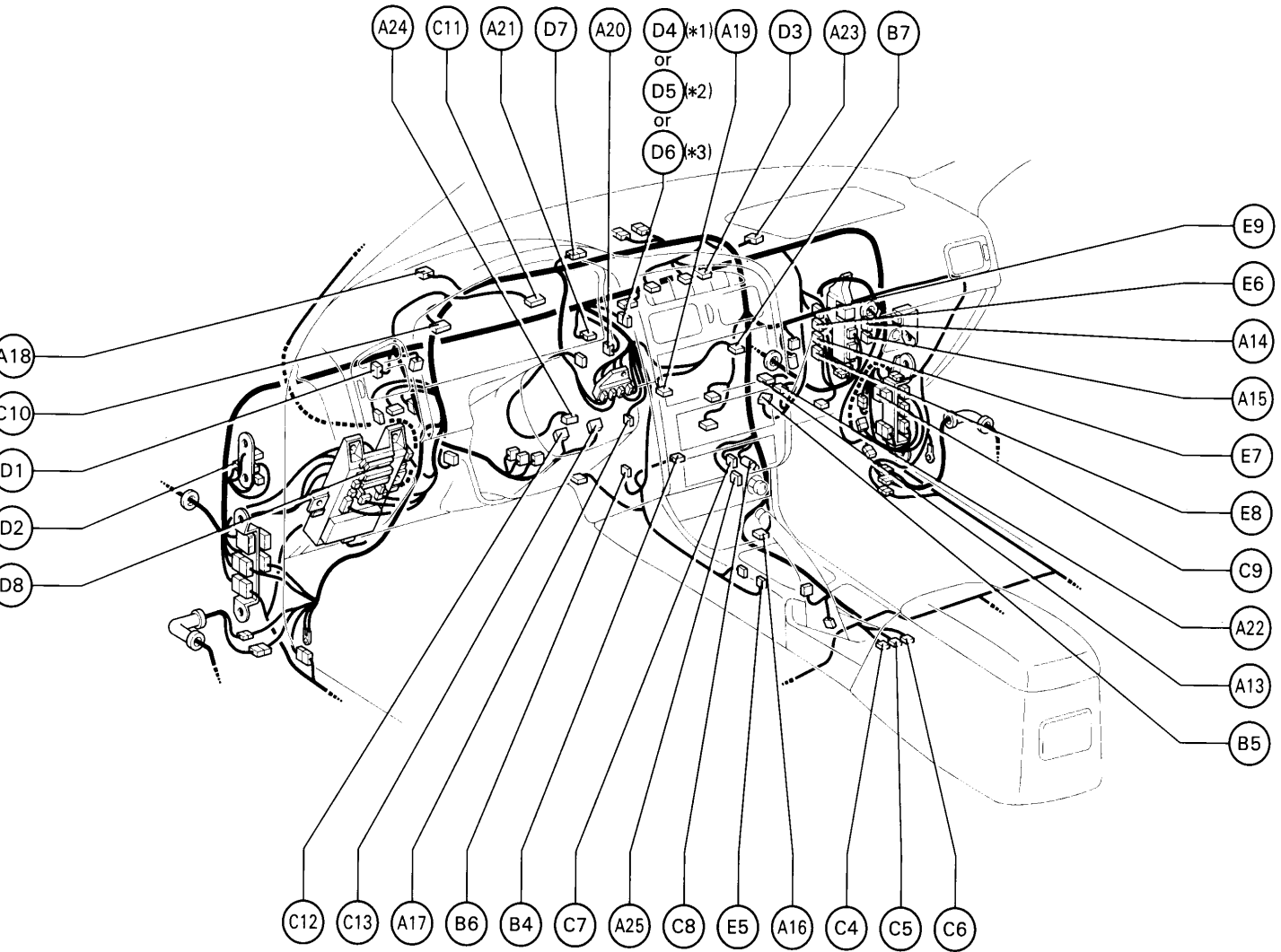
Français

Español

Position of Parts in Instrument Panel

[LHD : Instrument Panel 1]

*1 : 4A-FE Europe Stoichiometric Type
*2 : 3S-FE Europe, Diesel
*3 : 7A-FE, 4A-FE Lean Burn Type

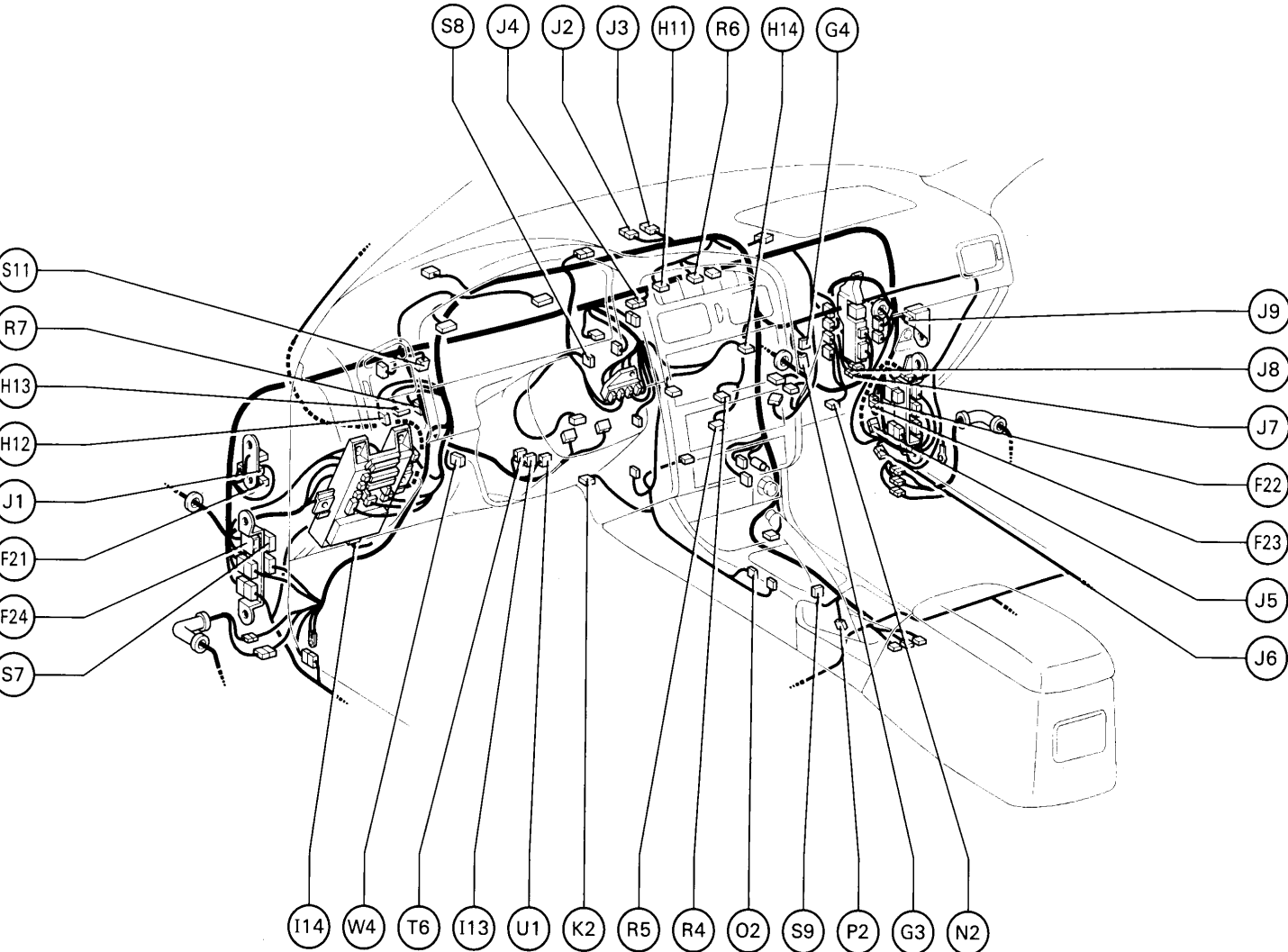


Position of Parts in Instrument Panel

Code	English	Français	Español
A 13	A/C Amplifier	Amplificateur de A/C	Amplificador del A/C
A 14	A/C Amplifier (Automatic)	Amplificateur de A/C (réglage automatique)	Amplificador del A/C (automático)
A 15	A/C Amplifier (Automatic)	Amplificateur de A/C (réglage automatique)	Amplificador del A/C (automático)
A 16	A/C Evaporator Temp. Sensor	Capteur de température d'évaporateur de A/C	Sensor del temperatura del evaporador del A/C
A 17	A/C Room Temp. Sensor	Capteur de température ambiante d'habitacle de A/C	Sensor de la temperatura del compartimiento del A/C
A 18	A/C Solar Sensor	Capteur solaire de A/C	Sensor solar del A/C
A 19	A/C SW	Commande de A/C	Interruptor del A/C
A 20	Accelerator Pedal Position Sensor	Capteur de position de pédale d'accélérateur	Sensor de la posición del pedal del acelerador
A 21	Accelerator Position SW	Contacteur de position d'accélérateur	Interruptor de la posición del acelerador
A 22	Air Mix Control Servo Motor	Servomoteur de commande de mélange d'air	Servomotor de control de mezcla de aire
A 23	Airbag Squib (Front Passenger 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 24	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 25	Ashtray Illumination	Eclairage de cendrier	Illuminación del cenicero
B 4	Blower Contoller	Contrôleur de soufflerie	Controlador del soplador
B 5	Blower Motor	Moteur de soufflerie	Motor del soplador
B 6	Blower Resistor	Résistance de soufflerie	Resistor del soplador
B 7	Blower SW	Commande de soufflerie	Interruptor del soplador
C 4	Center Airbag Sensor Assembly	Ensemble de capteur de sac gonflable central	Conjunto del sensor del colchón de aire central
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	Cigarette Lighter	Allume-cigare	Encendedor de cigarrillos
C 8	Cigarette Lighter Illumination	Eclairage d'allume-cigare	Illuminación del encendedor de cigarrillos
C 9	Circuit Opening Relay	Relais d'ouverture de circuit	Relé de abertura del circuito
C 10	Combination Meter	Combiné de bord	Medidor de combinación
C 11	Combination Meter	Combiné de bord	Medidor de combinación
C 12	Combination SW	Commande combinée	Interruptor de combinación
C 13	Combination SW	Commande combinée	Interruptor de combinación
D 1	Daytime Running Light Relay	Relais de dispositifs d'éclairage de conduite de jour	Relé de la luz de marcha diurna
D 2	Defogger Relay	Relais de désembueur	Relé del desempañador
D 3	Deicer SW or Short Connector (Deicer SW)	Commutateur de dégivreur et bloc raccord de shunt (commutateur de dégivreur)	Interruptor del deshelador o conector cortocircuitador (interruptor del deshelador)
D 4	Diode (EFI)	Diode (EFI)	Diodo (EFI)
D 5	Diode (Idle-Up)	Diode (de régime ralenti accéléré)	Diodo (aumento del ralenti)
D 6	Diode (Idle-Up)	Diode (de régime ralenti accéléré)	Diodo (aumento del ralenti)
D 7	Diode (Power)	Diode (d'alimentation)	Diodo (potencia)
D 8	DLC3	DLC3	DLC3
E 5	ECT Pattern Select SW	Sélecteur de mode de sélection de rapport de boîte ECT	Selector de patrón de ECT
E 6	Engine ECU (M/T) or Engine and ECT ECU (A/T)	ECU de moteur (M/T) ou ECU de moteur et de boîte ECT (A/T)	ECU del motor (M/T) o ECU del motor y ECT (A/T)
E 7	Engine ECU (M/T) or Engine and ECT ECU (A/T)	ECU de moteur (M/T) ou ECU de moteur et de boîte ECT (A/T)	ECU del motor (M/T) o ECU del motor y ECT (A/T)
E 8	Engine ECU (M/T) or Engine and ECT ECU (A/T)	ECU de moteur (M/T) ou ECU de moteur et de boîte ECT (A/T)	ECU del motor (M/T) o ECU del motor y ECT (A/T)
E 9	Engine ECU	ECU de moteur	ECU del motor

Position of Parts in Instrument Panel

[LHD : Instrument Panel 2]



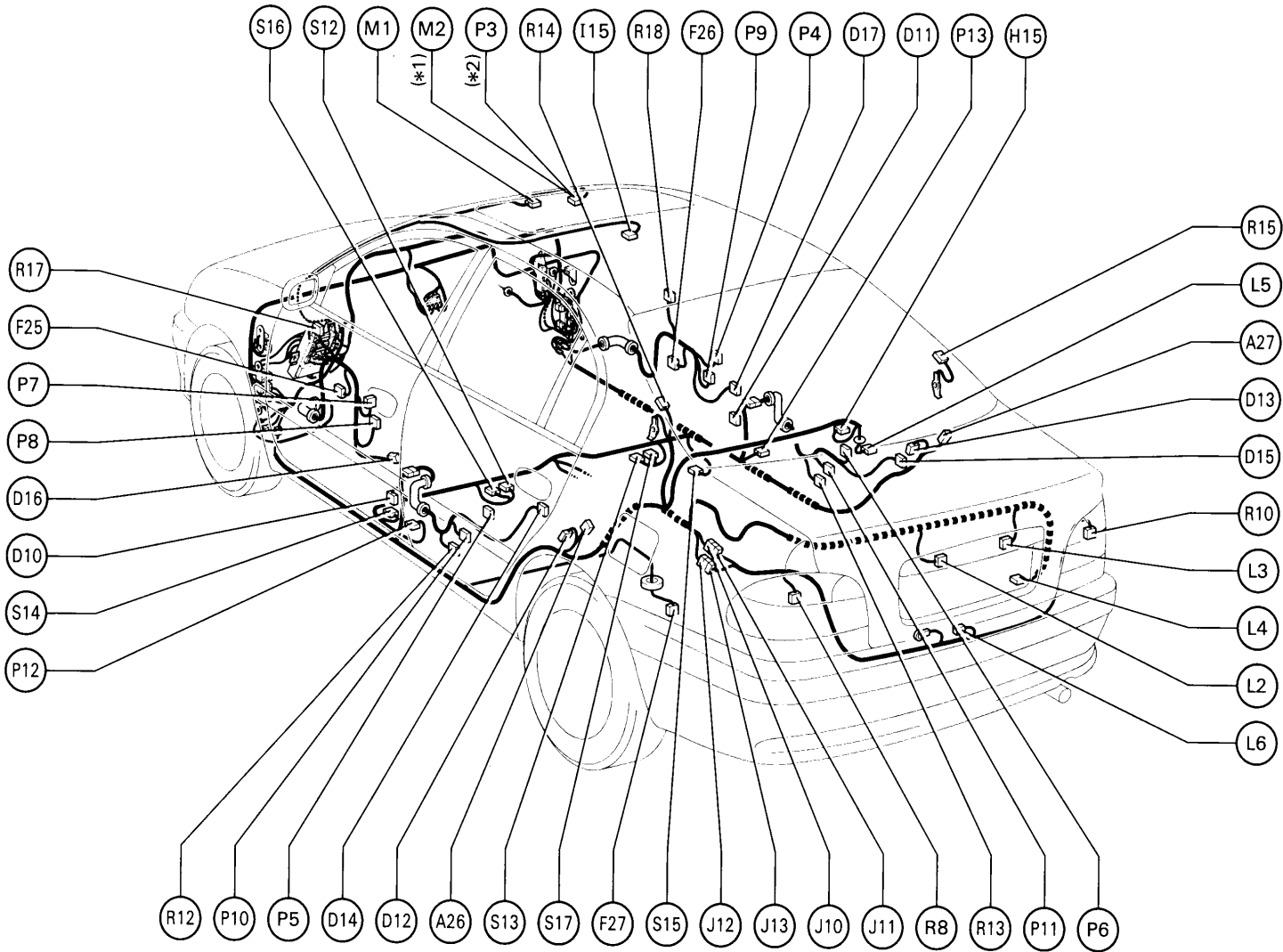
Position of Parts in Instrument Panel

Code	English	Français	Español
F 21	Front Fog Light Relay	Relais de projecteur antibrouillard avant	Relé de las luces antiniebla delanteras
F 22	Fuel Control Connector	Bloc raccord de câblage de contrôle d'alimentation d'essence	Conector de control de combustible
F 23	Fuel Control Connector	Bloc raccord de câblage de contrôle d'alimentation d'essence	Conector de control de combustible
F 24	Fuse Box	Boîte de servitude	Caja de fusibles
G 3	Glove Box Light	Eclairage de boîte à gants	Luz de la guantera
G 4	Glove Box Light SW	Contacteur d'éclairage de boîte à gants	Interruptor de la luz de la guantera
H 11	Hazard SW	Commande de feux de détresse	Interruptor de peligro
H 12	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 13	Headlight Cleaner SW	Commande de lave-projecteur avant	Interruptor del limpiador del faro
H 14	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
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
K 2	Kick Down SW	Contacteur de rétrogradation	Interruptor del retirador
N 2	Noise Filter (Ignition System)	Filtre antiparasites (système d'allumage)	Filtro de ruido (sistema de encendido)
O 2	O/D Main SW	Commande principale de O/D	Interruptor principal de O/D
P 2	Parking Brake SW	Contacteur de frein de stationnement	Interruptor del freno de estacionamiento
R 4	Radio and Player	Autoradio et lecteur de cassettes	Radio y reproductor
R 5	Radio and Player	Autoradio et lecteur de cassettes	Radio y reproductor
R 6	Rear Window Defogger SW	Commande de désembueur de glace de lunette arrière	Interruptor del desempañador de la ventanilla trasera
R 7	Remote Control Mirror SW	Commande de rétroviseur à commande électrique	Interruptor del espejo retrovisor de control remoto
S 7	Seat Heater Relay	Relais de chauffage de siège	Relé del calefactor del asiento
S 8	Seat Heater SW (Driver's Seat)	Commande de chauffage de siège (siège de conducteur)	Interruptor del calefactor del asiento (asiento del conductor)
S 9	Seat Heater SW (Front Passenger's Seat)	Commande de chauffage de siège (siège de passager avant)	Interruptor del calefactor del asiento (asiento del pasajero delantero)
S 11	Stop Light SW	Contacteur de feux stop	Interruptor de la luz de parada
T 6	Transponder Key ECU	ECU de clé de transpondeur	ECU de la llave de transmisor
U 1	Unlock Warning SW	Contacteur de rappel de libération	Interruptor de advertencia de desbloqueo
W 4	Wireless Door Lock ECU	ECU de condamnation de porte à commande radio	ECU de bloqueo de la puerta inalámbrico

Position of Parts in Body

[LHD : S/D]

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



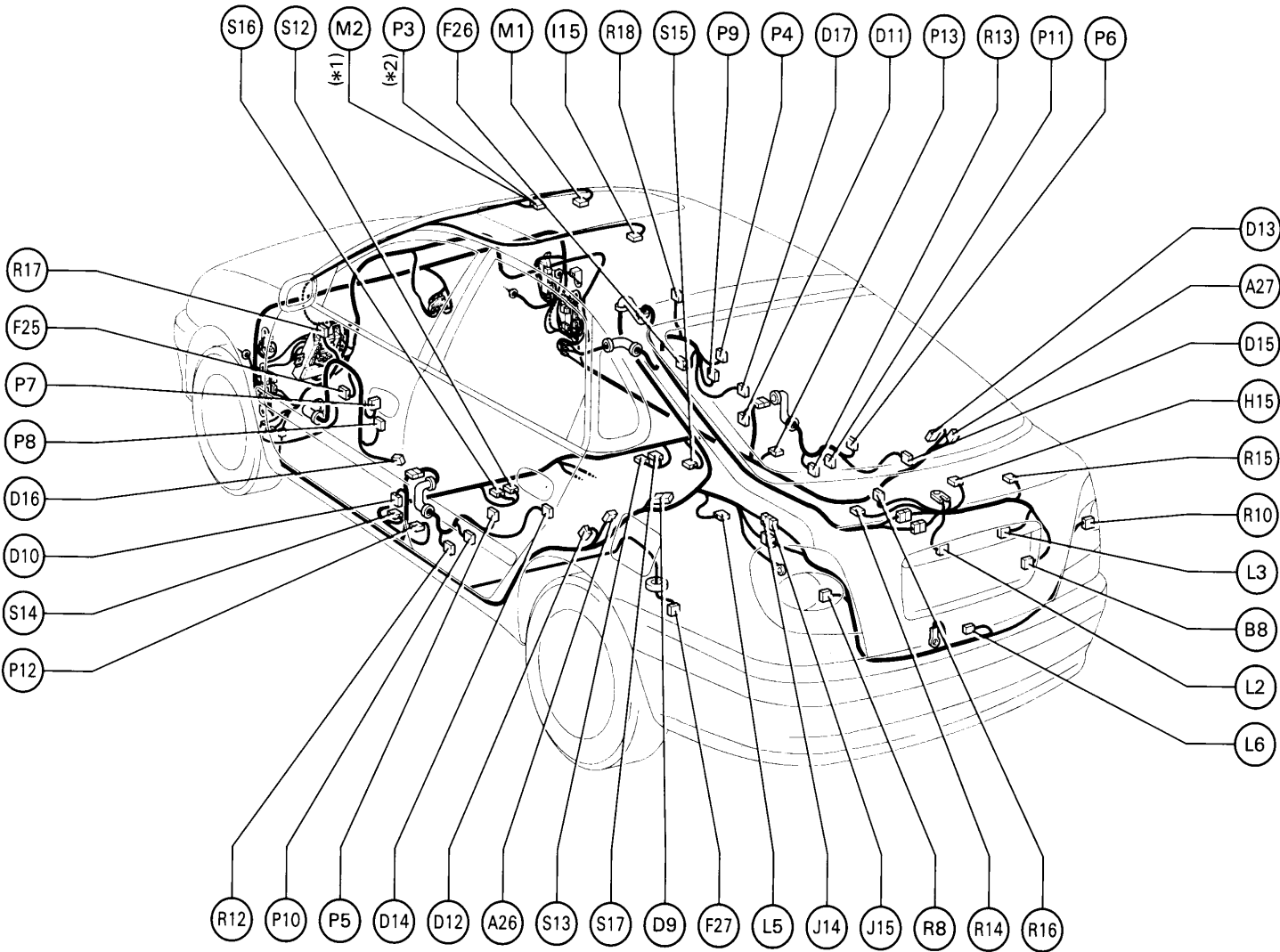
Position of Parts in Body

Code	English	Français	Español
A 26	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 27	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
D 10	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 11	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 12	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 13	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 14	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 15	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
D 16	Door Lock Motor, Door Key Lock and Unlock SW Front LH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant gauche	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera izquierda
D 17	Door Lock Motor, Door Key Lock and Unlock SW Front RH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant droit	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera derecha
F 25	Front Door Speaker LH	Haut-parleur de porte avant gauche	Altavoz de la puerta frontal izquierda
F 26	Front Door Speaker RH	Haut-parleur de porte avant droite	Altavoz de la puerta frontal derecha
F 27	Fuel Sender and Fuel Pump	Jauge émettrice de niveau d'essence et pompe d'alimentation	Emisor de combustible y bomba de combustible
H 15	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 15	Interior Light	Plafonnier	Luz interior
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
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 Door Lock Motor	Moteur de condamnation de porte de compartiment à bagages	Motor de bloqueo de la puerta del portaequipajes
L 5	Luggage Room Light	Eclairage d'espace de rangement des bagages	Luz del portaequipajes
L 6	Luggage Room Light SW	Contacteur d'éclairage d'espace de rangement des bagages	Interruptor de la luz del portaequipajes
M 1	Moon Roof Control Relay and Motor	Relais de commande de toit ouvrant et moteur	Relé y motor de control del techo lunar
M 2	Moon Roof Control SW	Commande de toit ouvrant	Interruptor de control del techo lunar
P 3	Personal Light	Projecteur individuel	Luz personal
P 4	Power Window Control SW (Front Passenger Side)	Commande de lève-glace électrique (côté passager avant)	Interruptor de control de la ventanilla automática (lado del pasajero frontal)
P 5	Power Window Control SW Rear LH	Commande de lève-glace électrique arrière gauche	Interruptor de control de la ventanilla automática trasera izquierda
P 6	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 7	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 8	Power Window Motor (Driver Side)	Moteur de lève-glace électrique (côté conducteur)	Motor de la ventanilla automática (lado del conductor)
P 9	Power Window Motor (Front Passenger Side)	Moteur de lève-glace électrique (côté passager avant)	Motor de la ventanilla automática (lado del pasajero delantero)
P 10	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 11	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 12	Pretensioner LH	Prétendeur gauche	Pretensor izquierdo
P 13	Pretensioner RH	Prétendeur droit	Pretensor derecho
R 8	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 10	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 12	Rear Door Speaker LH	Haut-parleur de porte arrière gauche	Altavoz de la puerta trasera izquierda
R 13	Rear Door Speaker RH	Haut-parleur de porte arrière droit	Altavoz de la puerta trasera derecha
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 17	Remote Control Mirror LH	Rétroviseur à commande électrique gauche	Espejo retrovisor de control remoto izquierdo
R 18	Remote Control Mirror RH	Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto derecho
S 12	Seat Heater (Driver's Seat)	Chauffage de siège (siège de conducteur)	Calefactor del asiento (asiento del conductor)
S 13	Seat Heater (Front Passenger's Seat)	Chauffage de siège (siège de passager avant)	Calefactor del asiento (asiento del pasajero delantero)
S 14	Side Airbag Sensor LH	Capteur de sac gonflable latéral gauche	Sensor del colchón de aire lateral izquierdo
S 15	Side Airbag Sensor RH	Capteur de sac gonflable latéral droit	Sensor del colchón de aire lateral derecho
S 16	Side Airbag Squib LH	Charge explosive de sac gonflable latéral gauche	Detonador del colchón de aire lateral izquierdo
S 17	Side Airbag Squib RH	Charge explosive de sac gonflable latéral droit	Detonador del colchón de aire lateral derecho

Position of Parts in Body

[LHD : L/B]

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



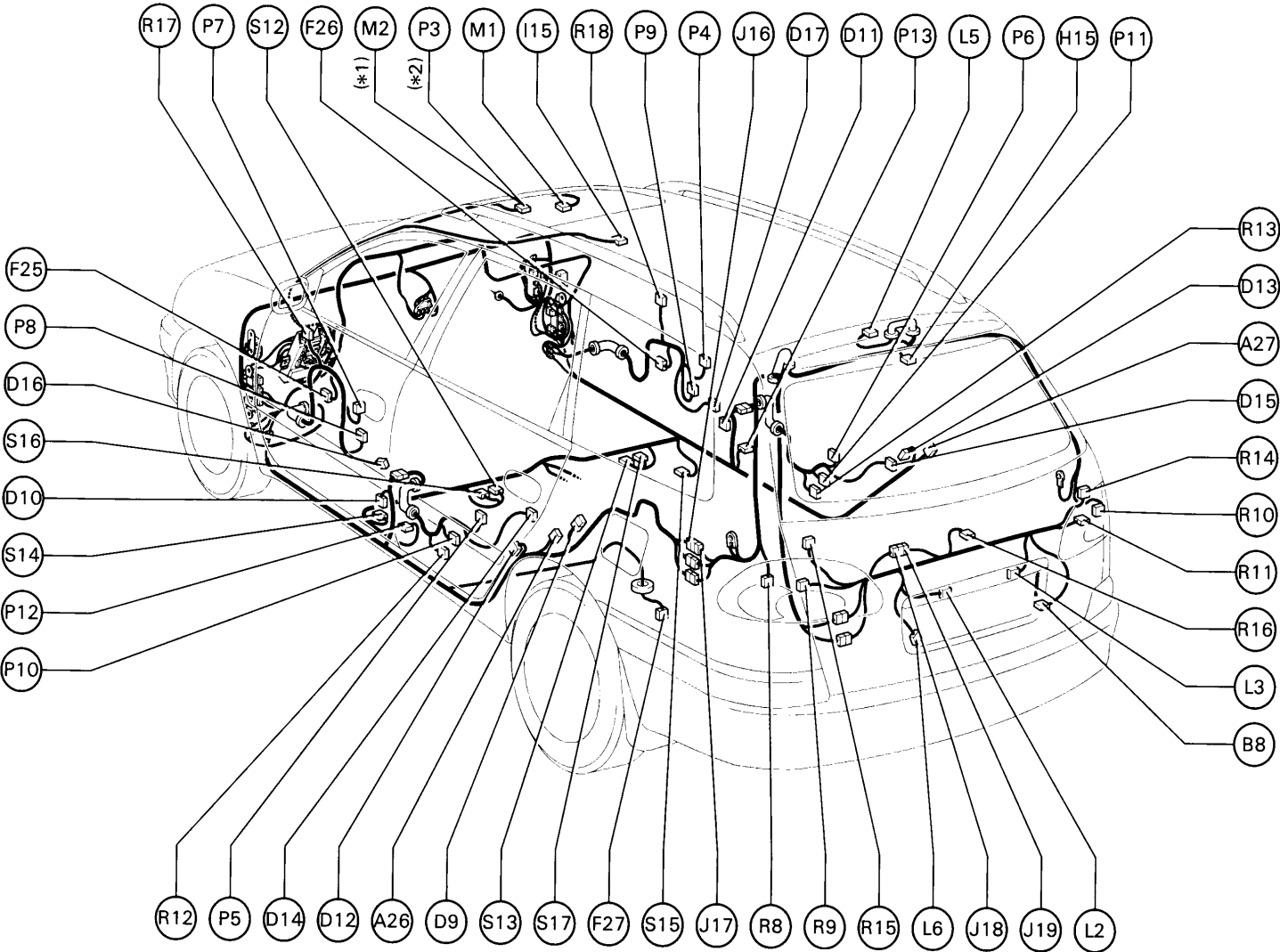
Position of Parts in Body

Code	English	Français	Español
A 26 A 27	ABS Speed Sensor Rear LH ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière gauche Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero izquierdo Sensor de velocidad de ABS, trasero derecho
B 8	Back Door Lock Motor	Moteur de condamnation de hayon	Motor de bloqueo de la puerta posterior
D 9	Diode (Luggage Room Light)	Diode (éclairage d'espace de rangement des bagages)	Diodo (luz del portaequipajes)
D 10	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 11	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 12	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 13	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 14	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 15	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
D 16	Door Lock Motor, Door Key Lock and Unlock SW Front LH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant gauche	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera izquierda
D 17	Door Lock Motor, Door Key Lock and Unlock SW Front RH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant droit	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera derecha
F 25 F 26 F 27	Front Door Speaker LH Front Door Speaker RH Fuel Sender and Fuel Pump	Haut-parleur de porte avant gauche Haut-parleur de porte avant droite Jauge émettrice de niveau d'essence et pompe d'alimentation	Altavoz de la puerta frontal izquierda Altavoz de la puerta frontal derecha Emisor de combustible y bomba de combustible
H 15	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 15	Interior Light	Plafonnier	Luz interior
J 14 J 15	Junction Connector Junction Connector	Bloc raccord de jonction Bloc raccord de jonction	Conector de enlace Conector de enlace
L 2 L 3 L 5	License Plate Light LH License Plate Light RH Luggage Room Light	Eclairage de plaque minéralogique gauche Eclairage de plaque minéralogique droit Eclairage d'espace de rangement des bagages	Luz de la matrícula izquierda Luz de la matrícula derecha Luz del portaequipajes
L 6	Luggage Room Light SW	Contacteur d'éclairage d'espace de rangement des bagages	Interruptor de la luz del portaequipajes
M 1 M 2	Moon Roof Control Relay and Motor Moon Roof Control SW	Relais de commande de toit ouvrant et moteur Commande de toit ouvrant	Relé y motor de control del techo lunar Interruptor de control del techo lunar
P 3 P 4 P 5	Personal Light Power Window Control SW (Front Passenger Side) Power Window Control SW Rear LH	Projecteur individuel Commande de lève-glace électrique (côté passager avant) Commande de lève-glace électrique arrière gauche	Luz personal Interruptor de control de la ventanilla automática (lado del pasajero frontal) Interruptor de control de la ventanilla automática trasera izquierda
P 6	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 7	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 8	Power Window Motor (Driver Side)	Moteur de lève-glace électrique (côté conducteur)	Motor de la ventanilla automática (lado del conductor)
P 9	Power Window Motor (Front Passenger Side)	Moteur de lève-glace électrique (côté passager avant)	Motor de la ventanilla automática (lado del pasajero delantero)
P 10	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 11	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 12 P 13	Pretensioner LH Pretensioner RH	Prétendeur gauche Prétendeur droit	Pretensor izquierdo Pretensor derecho
R 8 R 10 R 12 R 13 R 14 R 15 R 16	Rear Combination Light LH Rear Combination Light RH Rear Door Speaker LH Rear Door Speaker RH Rear Window Defogger Rear Window Defogger Rear Wiper Motor and Relay	Eclairage arrière combiné gauche Eclairage arrière combiné droit Haut-parleur de porte arrière gauche Haut-parleur de porte arrière droite Désembueur de glace de lunette arrière Désembueur de glace de lunette arrière Moteur d'essuie-glace de lunette arrière et relais	Luz de combinación trasera izquierda Luz de combinación trasera derecha Altavoz de la puerta trasera izquierda Altavoz de la puerta trasera derecha Desempañador de la ventanilla trasera Desempañador de la ventanilla trasera Motor y relé del limpiador trasero
R 17 R 18	Remote Control Mirror LH Remote Control Mirror RH	Rétroviseur à commande électrique gauche Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto izquierdo Espejo retrovisor de control remoto derecho
S 12 S 13	Seat Heater (Driver's Seat) Seat Heater (Front Passenger's Seat)	Chauffage de siège (siège de conducteur) Chauffage de siège (siège de passager avant)	Calefactor del asiento (asiento del conductor) Calefactor del asiento (asiento del pasajero delantero)
S 14 S 15 S 16	Side Airbag Sensor LH Side Airbag Sensor RH Side Airbag Squib LH	Capteur de sac gonflable latéral gauche Capteur de sac gonflable latéral droit Charge explosive de sac gonflable latéral gauche	Sensor del colchón de aire lateral izquierdo Sensor del colchón de aire lateral derecho Detonador del colchón de aire lateral izquierdo
S 17	Side Airbag Squib RH	Charge explosive de sac gonflable latéral droit	Detonador del colchón de aire lateral derecho

Position of Parts in Body

[LHD : W/G]

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



English

English

Français

Español

Position of Parts in Body

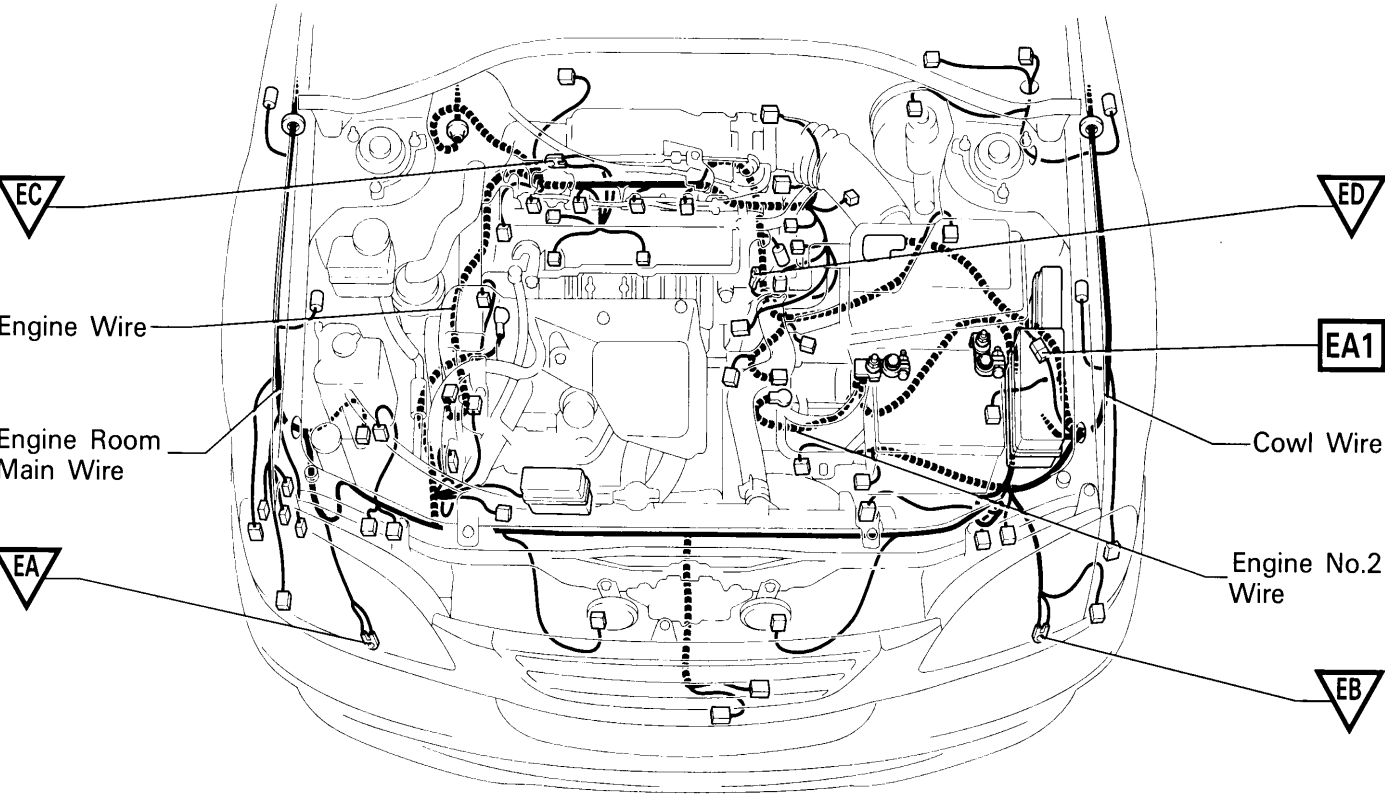
Code	English	Français	Español
A 26	ABS Speed Sensor Rear LH	Capteur de vitesse de ABS arrière gauche	Sensor de velocidad de ABS, trasero izquierdo
A 27	ABS Speed Sensor Rear RH	Capteur de vitesse de ABS arrière droit	Sensor de velocidad de ABS, trasero derecho
B 8	Back Door Lock Motor	Moteur de condamnation de hayon	Motor de bloqueo de la puerta posterior
D 9	Diode (Luggage Room Light)	Diode (éclairage d'espace de rangement des bagages)	Diodo (luz del portaequipajes)
D 10	Door Courtesy SW Front LH	Contacteur d'éclairage de courtoisie sur porte avant gauche	Interruptor de cortesía de la puerta frontal izquierda
D 11	Door Courtesy SW Front RH	Contacteur d'éclairage de courtoisie sur porte avant droite	Interruptor de cortesía de la puerta frontal derecha
D 12	Door Courtesy SW Rear LH	Contacteur d'éclairage de courtoisie sur porte arrière gauche	Interruptor de cortesía de la puerta trasera izquierda
D 13	Door Courtesy SW Rear RH	Contacteur d'éclairage de courtoisie sur porte arrière droite	Interruptor de cortesía de la puerta trasera derecha
D 14	Door Lock Motor Rear LH	Moteur de condamnation de porte arrière gauche	Motor de bloqueo de la puerta trasera izquierda
D 15	Door Lock Motor Rear RH	Moteur de condamnation de porte arrière droite	Motor de bloqueo de la puerta trasera derecha
D 16	Door Lock Motor, Door Key Lock and Unlock SW Front LH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant gauche	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera izquierda
D 17	Door Lock Motor, Door Key Lock and Unlock SW Front RH	Moteur de condamnation de porte, contacteur de condamnation et de libération de porte avec la clé avant droit	Motor de bloqueo de la puerta, interruptor de bloqueo y desbloqueo de la llave de la puerta delantera derecha
F 25	Front Door Speaker LH	Haut-parleur de porte avant gauche	Altavoz de la puerta frontal izquierda
F 26	Front Door Speaker RH	Haut-parleur de porte avant droite	Altavoz de la puerta frontal derecha
F 27	Fuel Sender and Fuel Pump	Jauge émettrice de niveau d'essence et pompe d'alimentation	Emisor de combustible y bomba de combustible
H 15	High Mounted Stop Light	Feux stop à implantation haute	Luz de parada de montura alta
I 15	Interior Light	Plafonnier	Luz interior
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
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 5	Luggage Room Light	Eclairage d'espace de rangement des bagages	Luz del portaequipajes
L 6	Luggage Room Light SW	Contacteur d'éclairage d'espace de rangement des bagages	Interruptor de la luz del portaequipajes
M 1	Moon Roof Control Relay and Motor	Relais de commande de toit ouvrant et moteur	Relé y motor de control del techo lunar
M 2	Moon Roof Control SW	Commande de toit ouvrant	Interruptor de control del techo lunar
P 3	Personal Light	Projecteur individuel	Luz personal
P 4	Power Window Control SW (Front Passenger Side)	Commande de lève-glace électrique (côté passager avant)	Interruptor de control de la ventanilla automática (lado del pasajero frontal)
P 5	Power Window Control SW Rear LH	Commande de lève-glace électrique arrière gauche	Interruptor de control de la ventanilla automática trasera izquierda
P 6	Power Window Control SW Rear RH	Commande de lève-glace électrique arrière droit	Interruptor de control de la ventanilla automática trasera derecha
P 7	Power Window Master SW	Commande générale de lève-glace électrique	Interruptor principal de la ventanilla automática
P 8	Power Window Motor (Driver Side)	Moteur de lève-glace électrique (côté conducteur)	Motor de la ventanilla automática (lado del conductor)
P 9	Power Window Motor (Front Passenger Side)	Moteur de lève-glace électrique (côté passager avant)	Motor de la ventanilla automática (lado del pasajero delantero)
P 10	Power Window Motor Rear LH	Moteur de lève-glace électrique arrière gauche	Motor de la ventanilla automática trasera izquierda
P 11	Power Window Motor Rear RH	Moteur de lève-glace électrique arrière droit	Motor de la ventanilla automática trasera derecha
P 12	Pretensioner LH	Prétendeur gauche	Pretensor izquierdo
P 13	Pretensioner RH	Prétendeur droit	Pretensor derecho
R 8	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 9	Rear Combination Light LH	Eclairage arrière combiné gauche	Luz de combinación trasera izquierda
R 10	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 11	Rear Combination Light RH	Eclairage arrière combiné droit	Luz de combinación trasera derecha
R 12	Rear Door Speaker LH	Haut-parleur de porte arrière gauche	Altavoz de la puerta trasera izquierda
R 13	Rear Door Speaker RH	Haut-parleur de porte arrière droit	Altavoz de la puerta trasera derecha
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 and Relay	Moteur d'essuie-glace de lunette arrière et relais	Motor y relé del limpiador trasero
R 17	Remote Control Mirror LH	Rétroviseur à commande électrique gauche	Espejo retrovisor de control remoto izquierdo
R 18	Remote Control Mirror RH	Rétroviseur à commande électrique droit	Espejo retrovisor de control remoto derecho
S 12	Seat Heater (Driver's Seat)	Chauffage de siège (siège de conducteur)	Calefactor del asiento (asiento del conductor)
S 13	Seat Heater (Front Passenger's Seat)	Chauffage de siège (siège de passager avant)	Calefactor del asiento (asiento del pasajero delantero)
S 14	Side Airbag Sensor LH	Capteur de sac gonflable latéral gauche	Sensor del colchón de aire lateral izquierdo
S 15	Side Airbag Sensor RH	Capteur de sac gonflable latéral droit	Sensor del colchón de aire lateral derecho
S 16	Side Airbag Squib LH	Charge explosive de sac gonflable latéral gauche	Detonador del colchón de aire lateral izquierdo
S 17	Side Airbag Squib RH	Charge explosive de sac gonflable latéral droit	Detonador del colchón de aire lateral derecho

G ELECTRICAL WIRING ROUTING

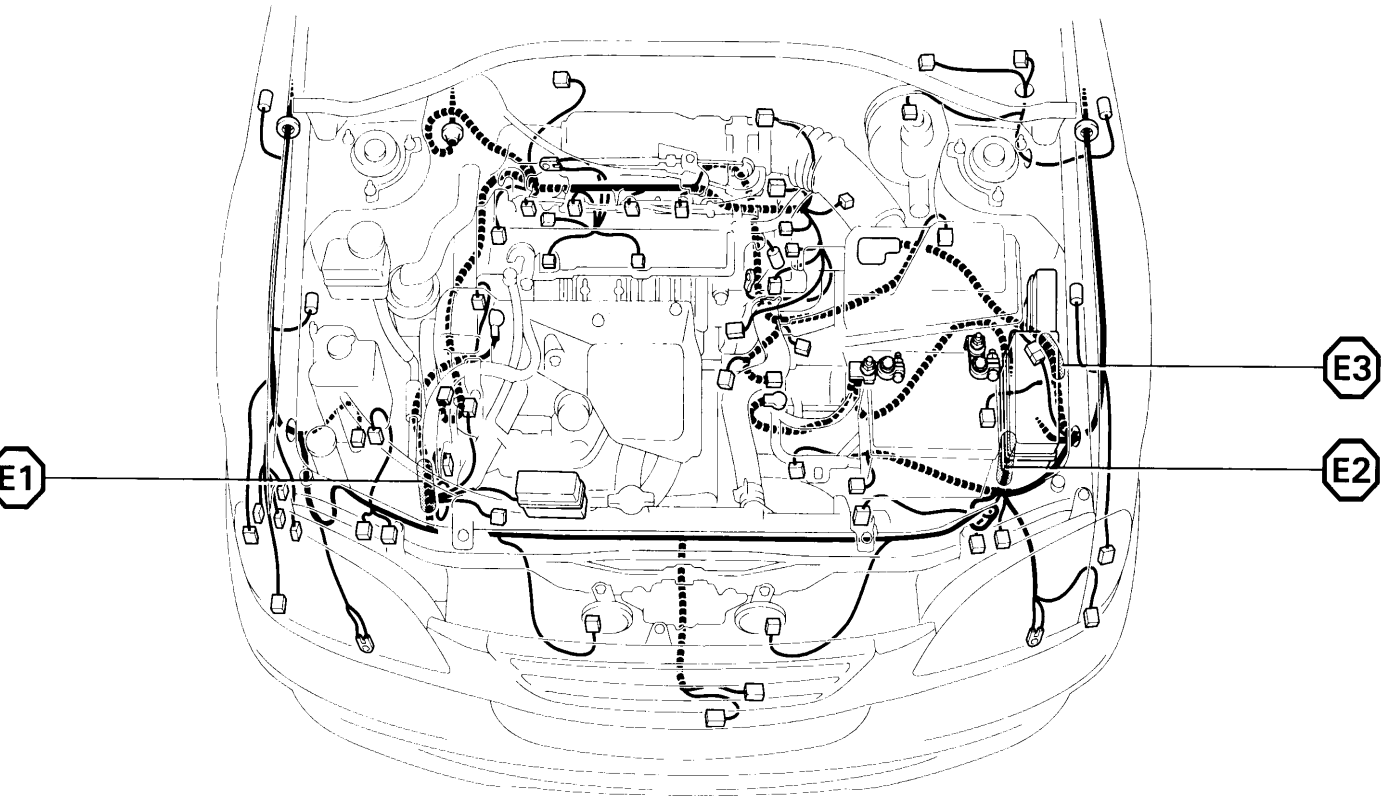
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

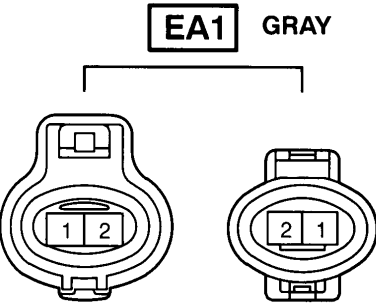
[LHD : 3S-FE]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



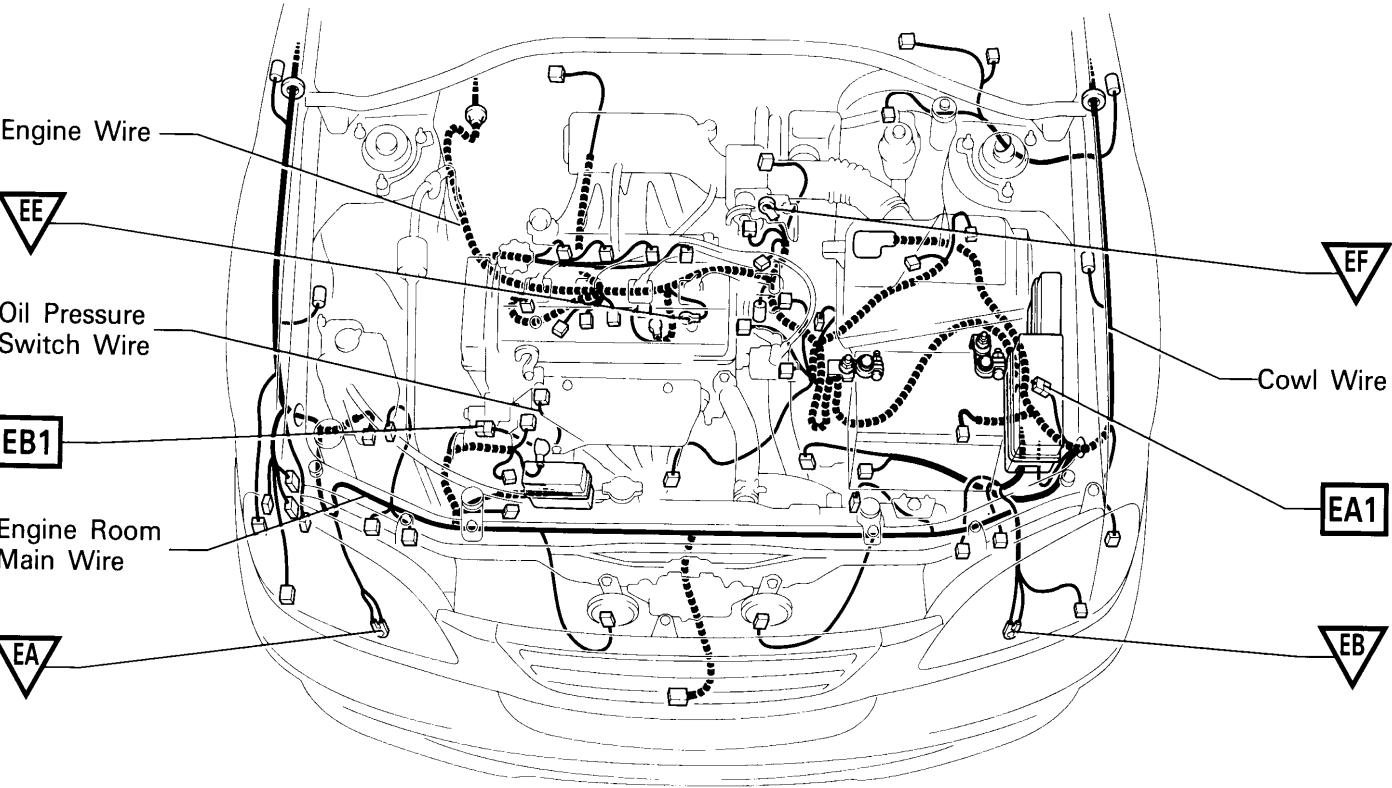
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)

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

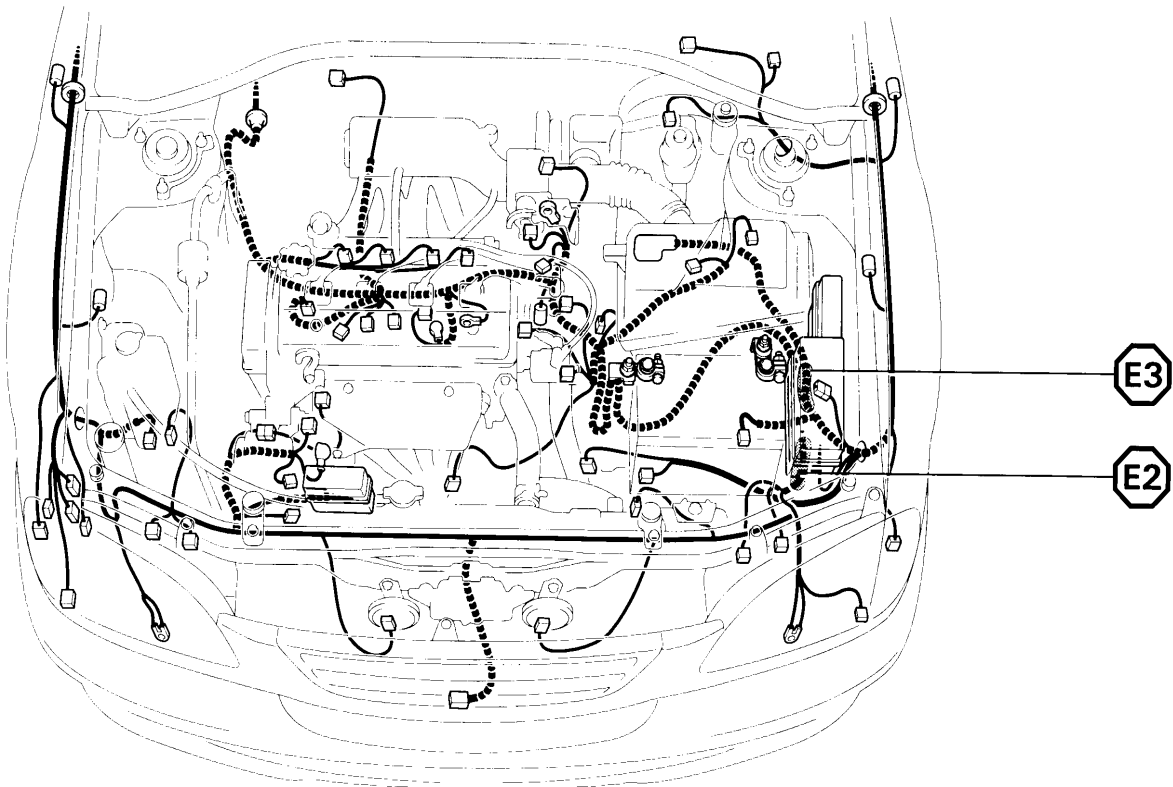
 : Location of Ground Points

[LHD : 7A-FE, 4A-FE Lean Burn Type]

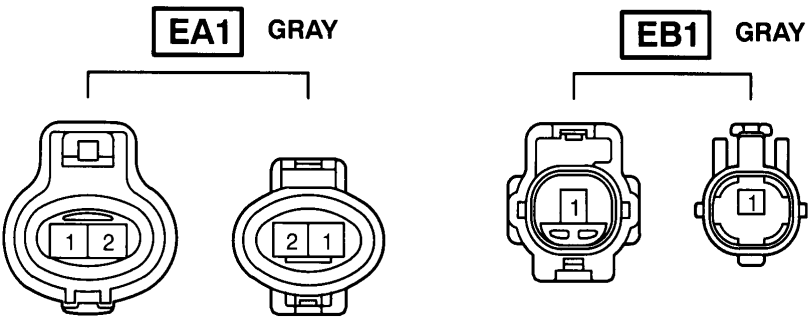
English



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
EB1	Oil Pressure Switch Wire and Engine Room Main Wire (Near the Alternator)

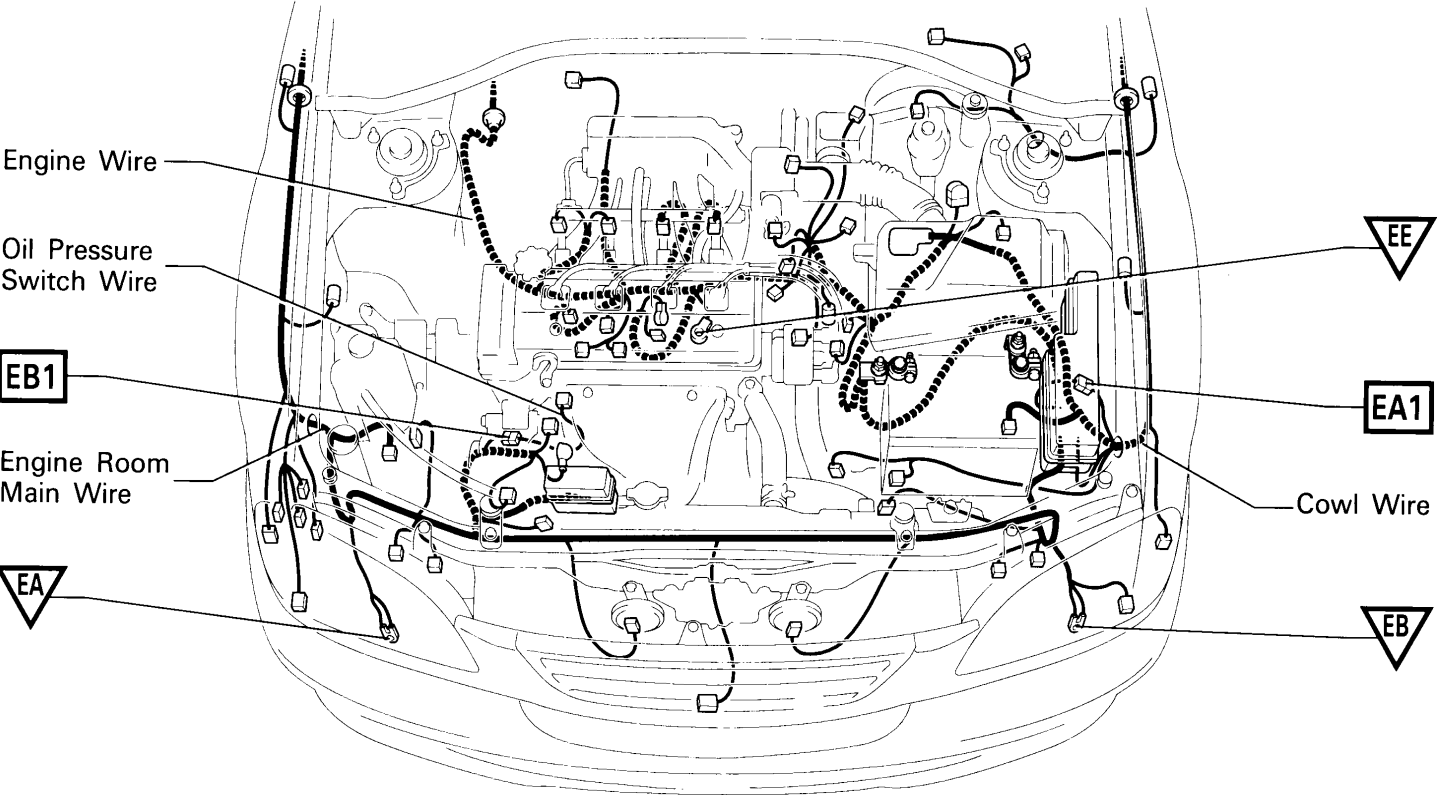
English

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

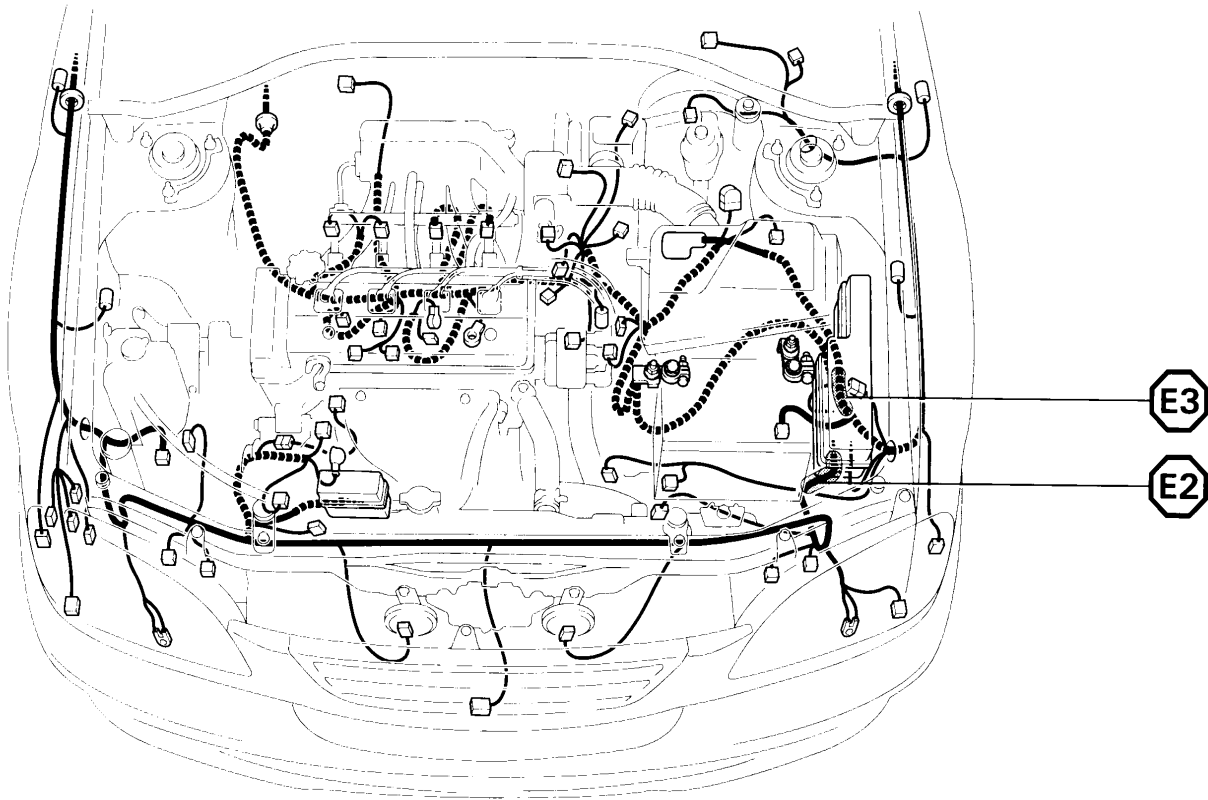
: Location of Ground Points

[LHD : 4A-FE Stoichiometric Type]

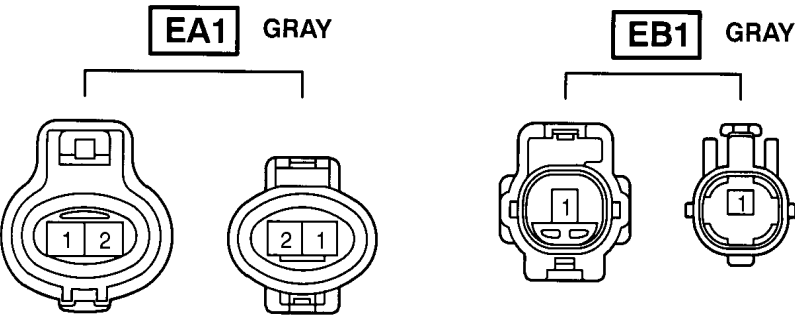
English



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
EB1	Oil Pressure Switch Wire and Engine Room Main Wire (Near the Alternator)

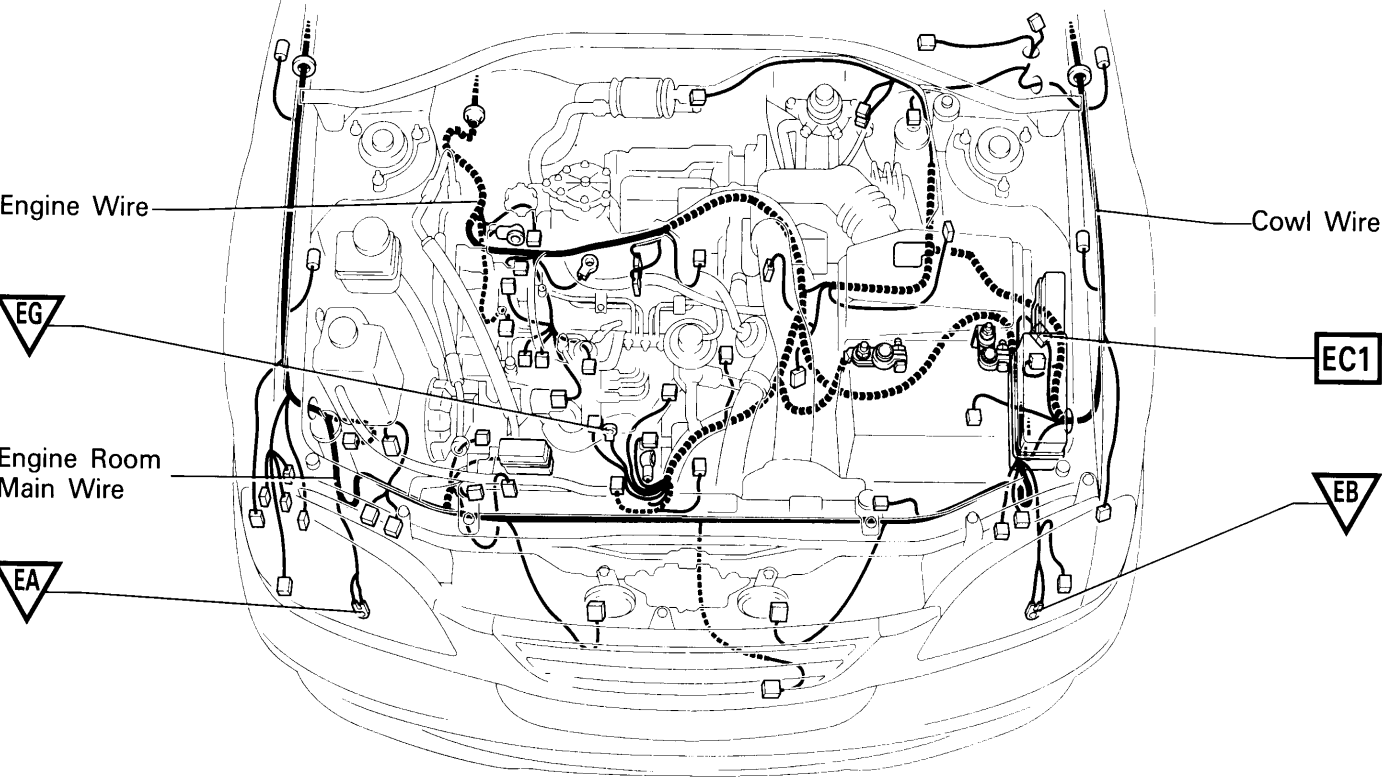
English

G ELECTRICAL WIRING ROUTING

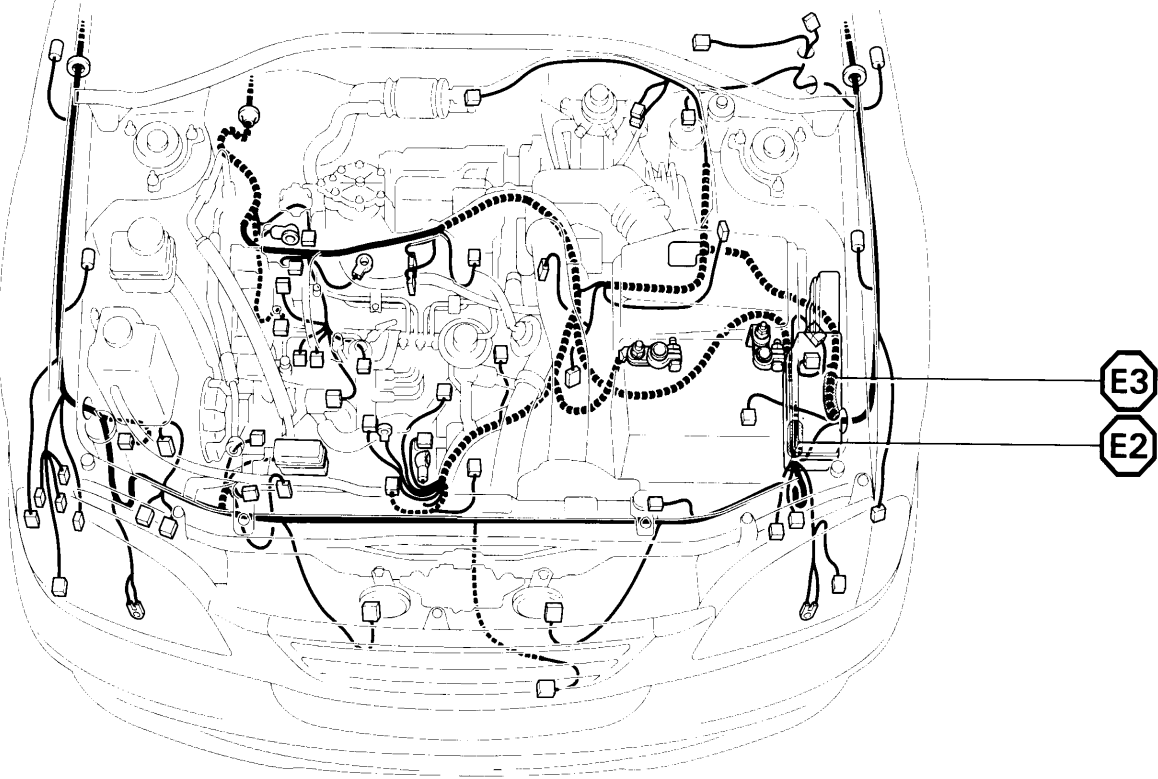
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

[LHD : 2C-TE]

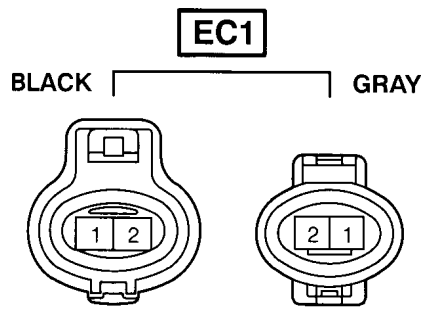


- : Location of Splice Points



G

Connector Joining Wire Harness and Wire Harness

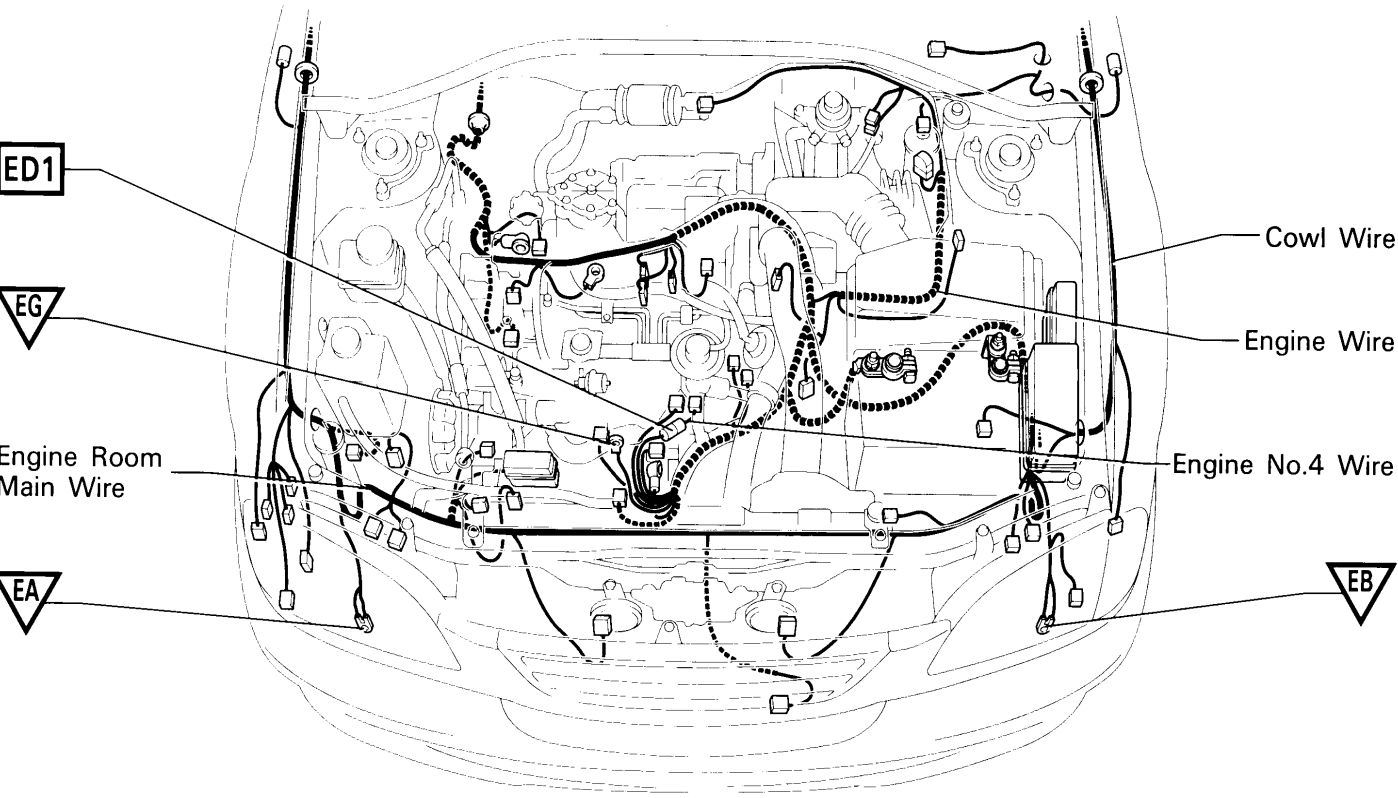


Code	Joining Wire Harness and Wire Harness (Connector Location)
EC1	Engine Wire and Cowl Wire (Under the Engine Room J/B)

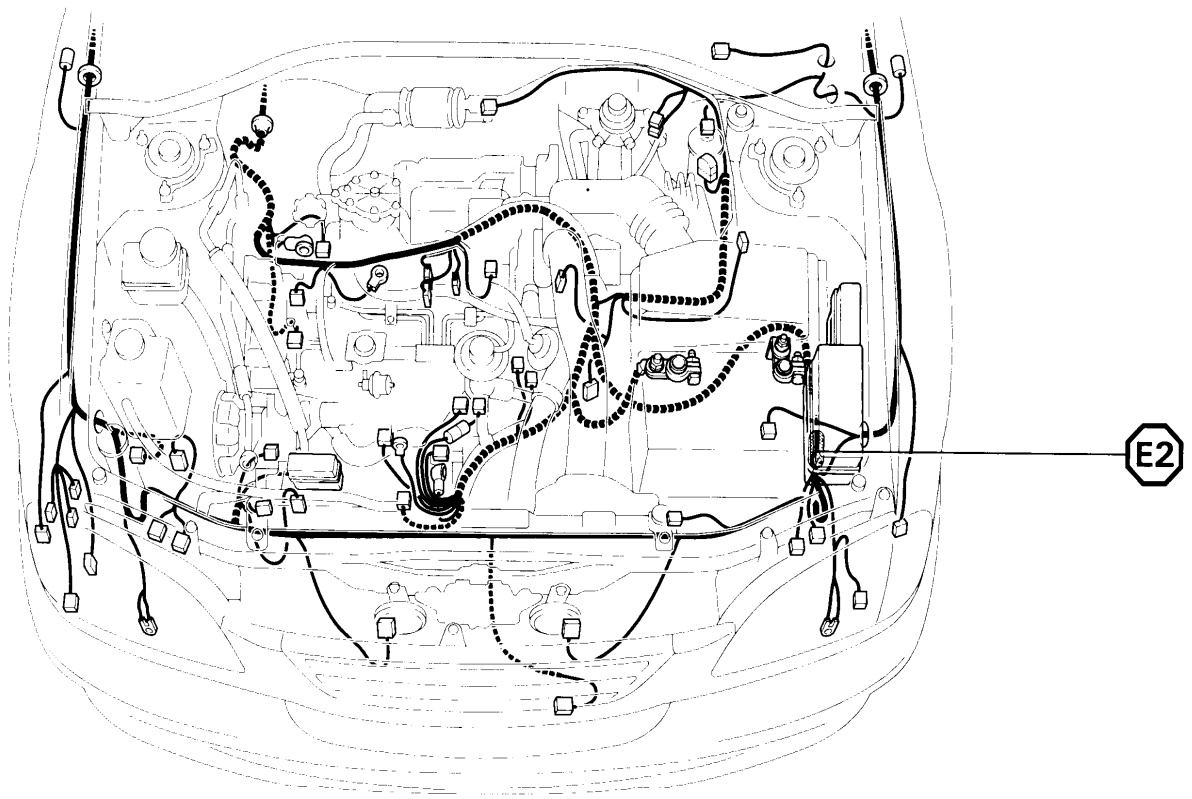
□ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 2C-T]

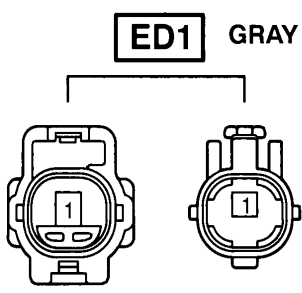
English



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



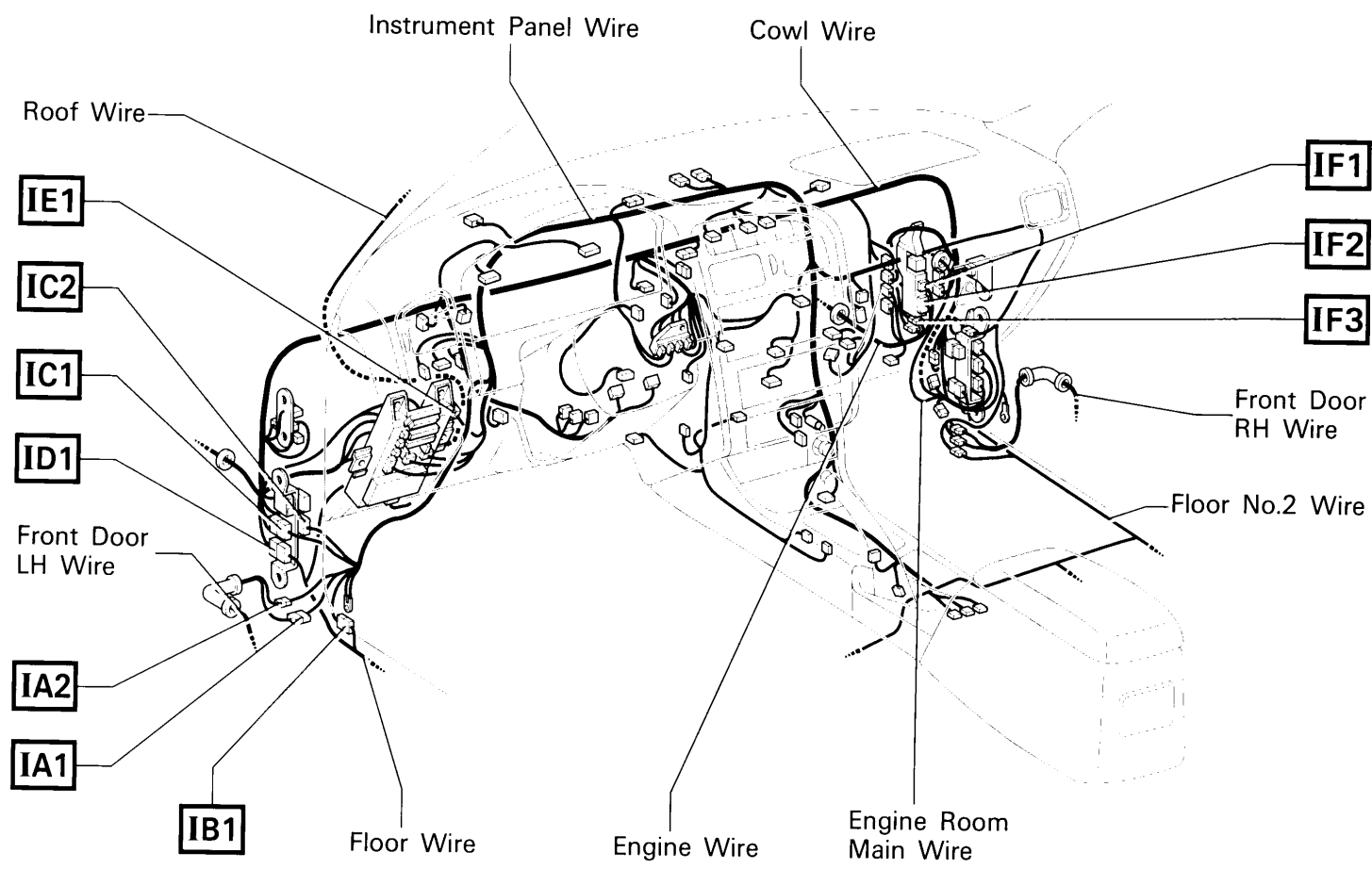
Code	Joining Wire Harness and Wire Harness (Connector Location)
ED1	Engine No.4 Wire and Engine Wire (Near the Starter)

English

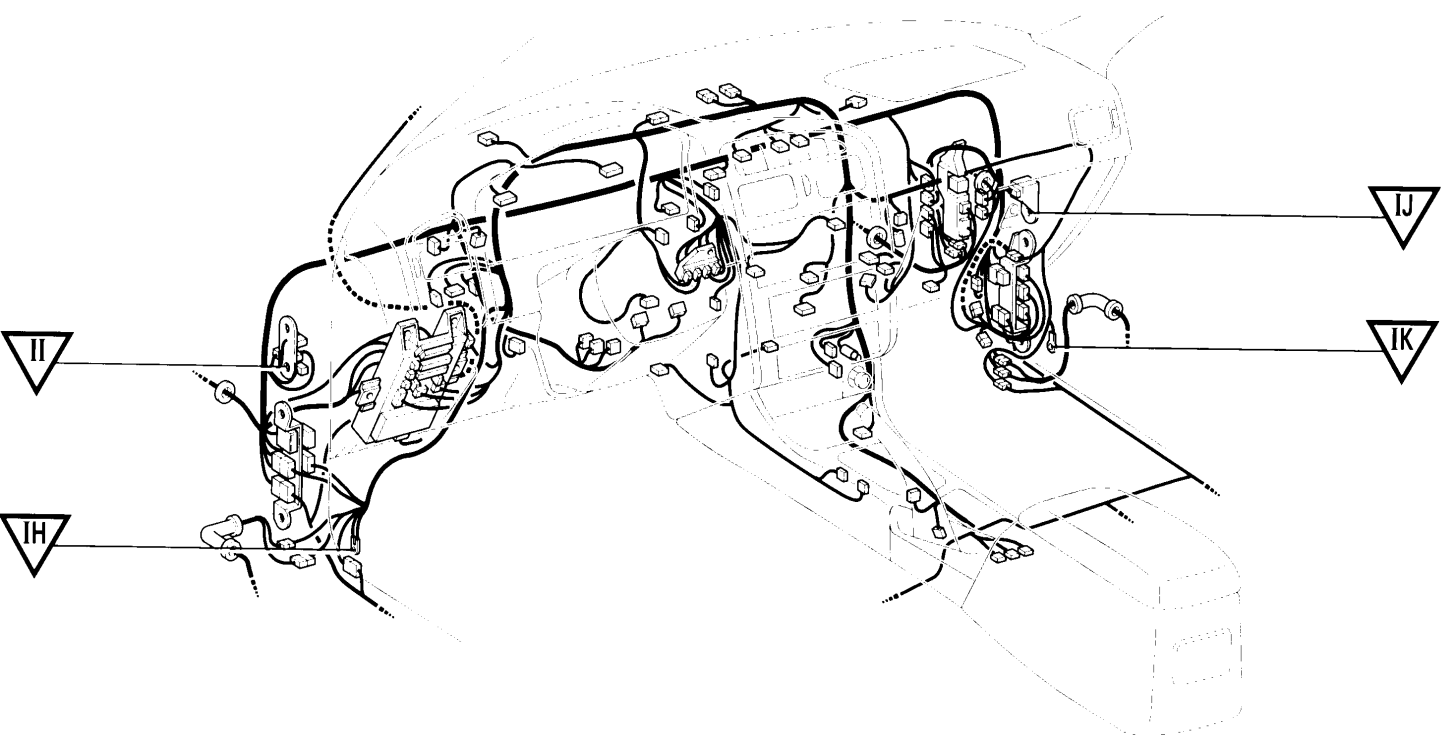
G ELECTRICAL WIRING ROUTING

 : Location of Connector Joining Wire Harness and Wire Harness
[LHD]

English

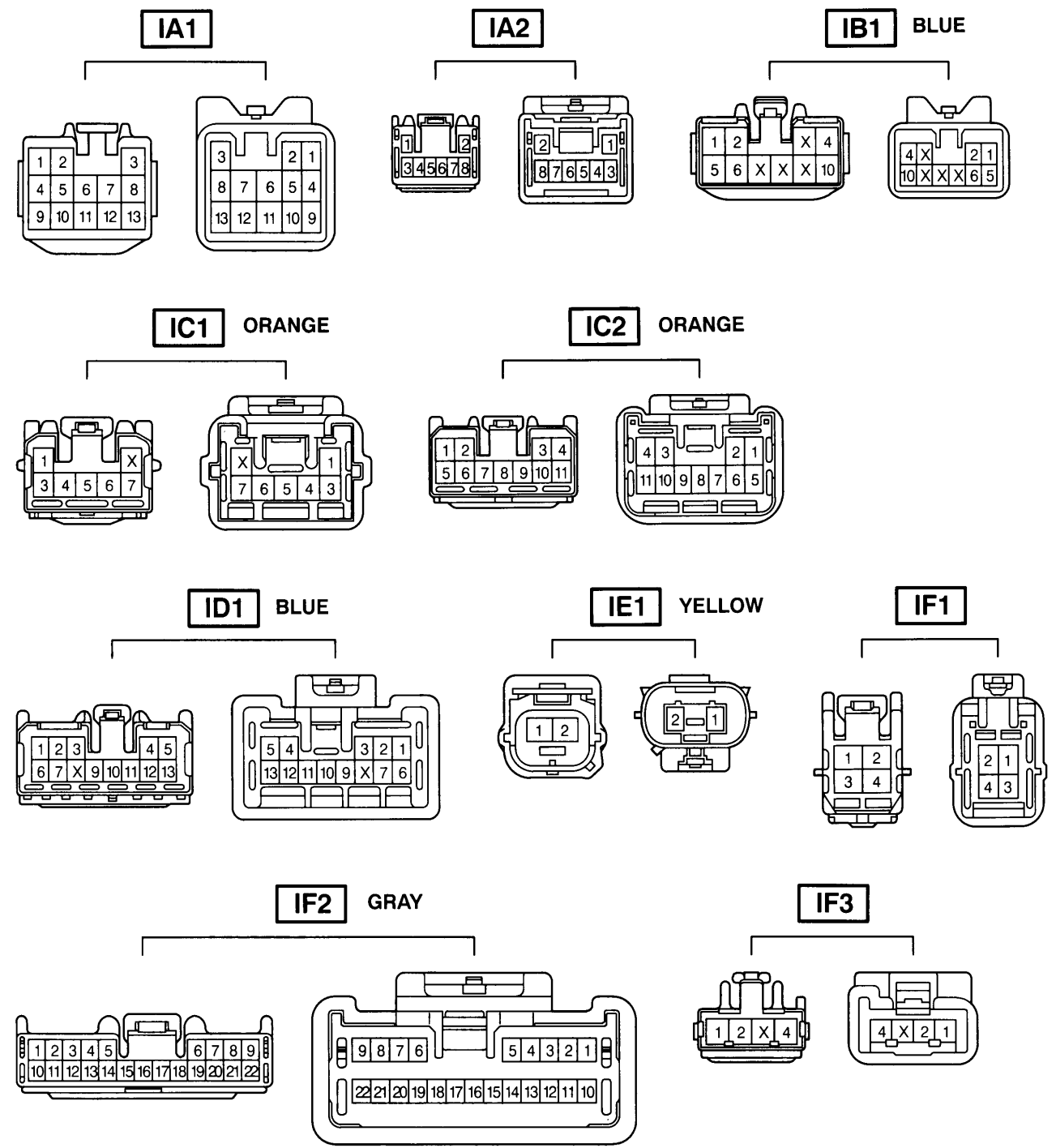


 : Location of Ground Points



G Connector Joining Wire Harness and Wire Harness

English

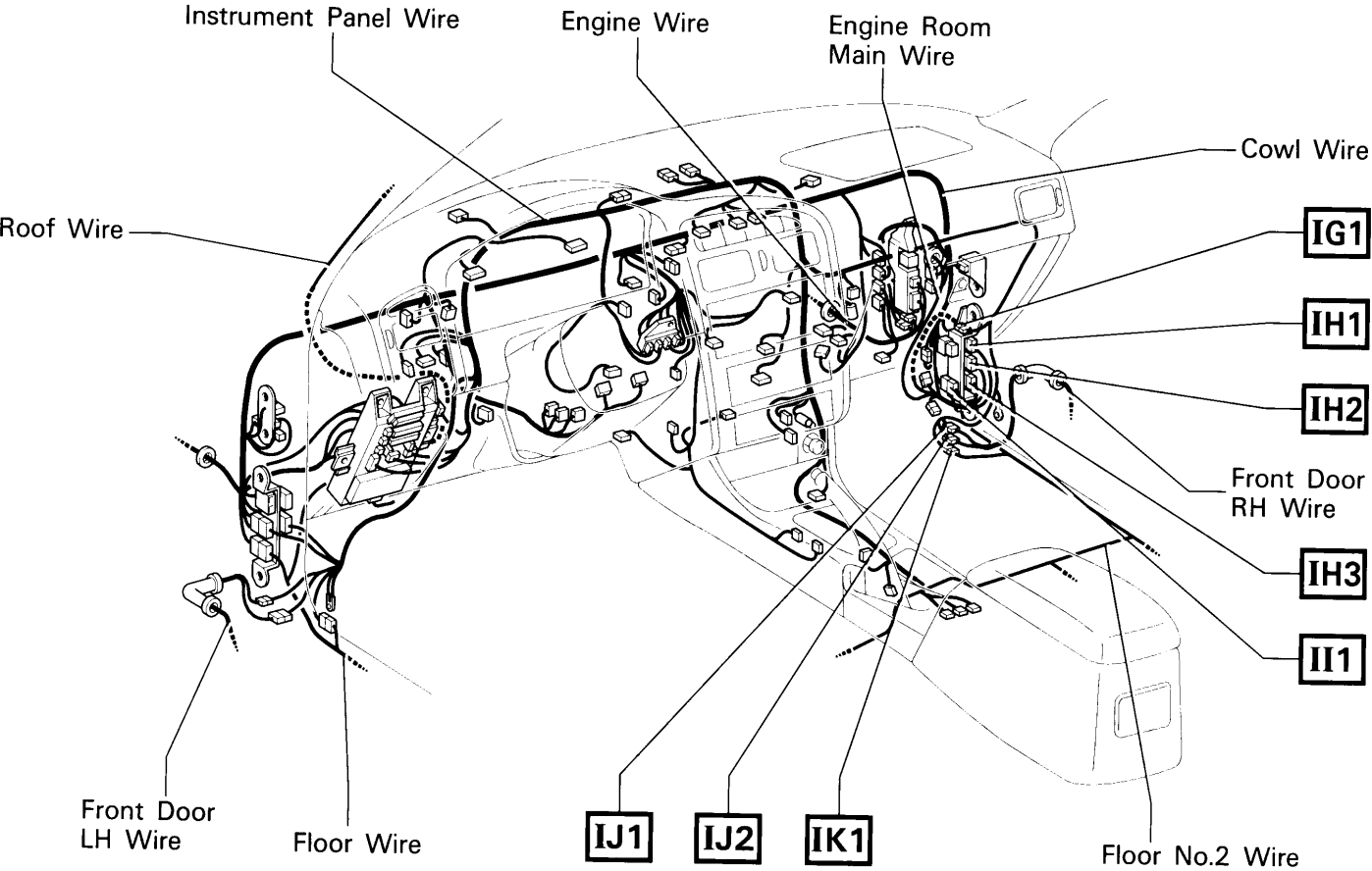


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC1	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IC2	
ID1	Floor Wire and Cowl Wire (Left Kick Panel)
IE1	Instrument Panel Wire and Cowl Wire (Right Side of Instrument Panel J/B)
IF1	
IF2	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF3	

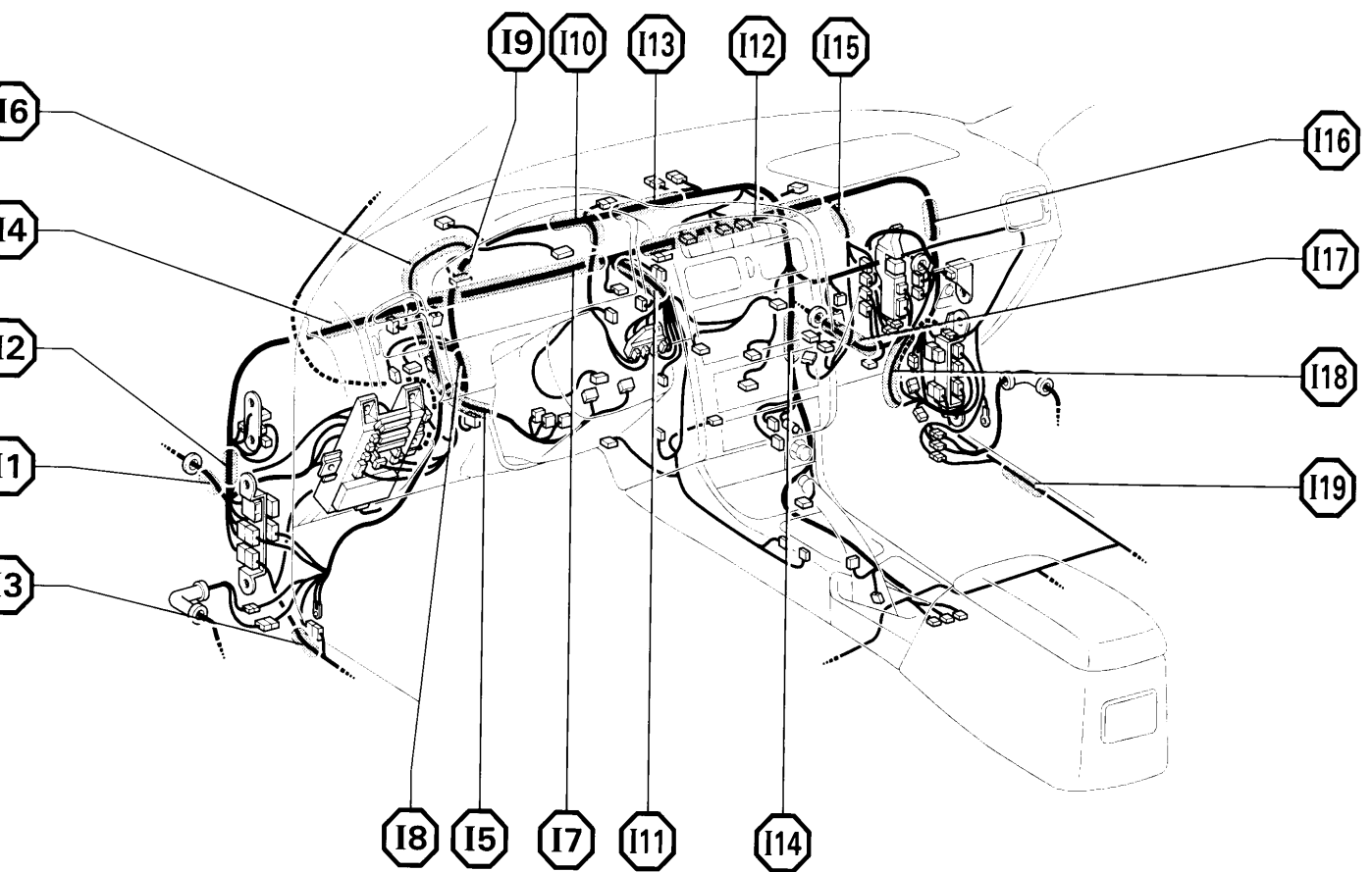
G ELECTRICAL WIRING ROUTING

□ : Location of Connector Joining Wire Harness and Wire Harness

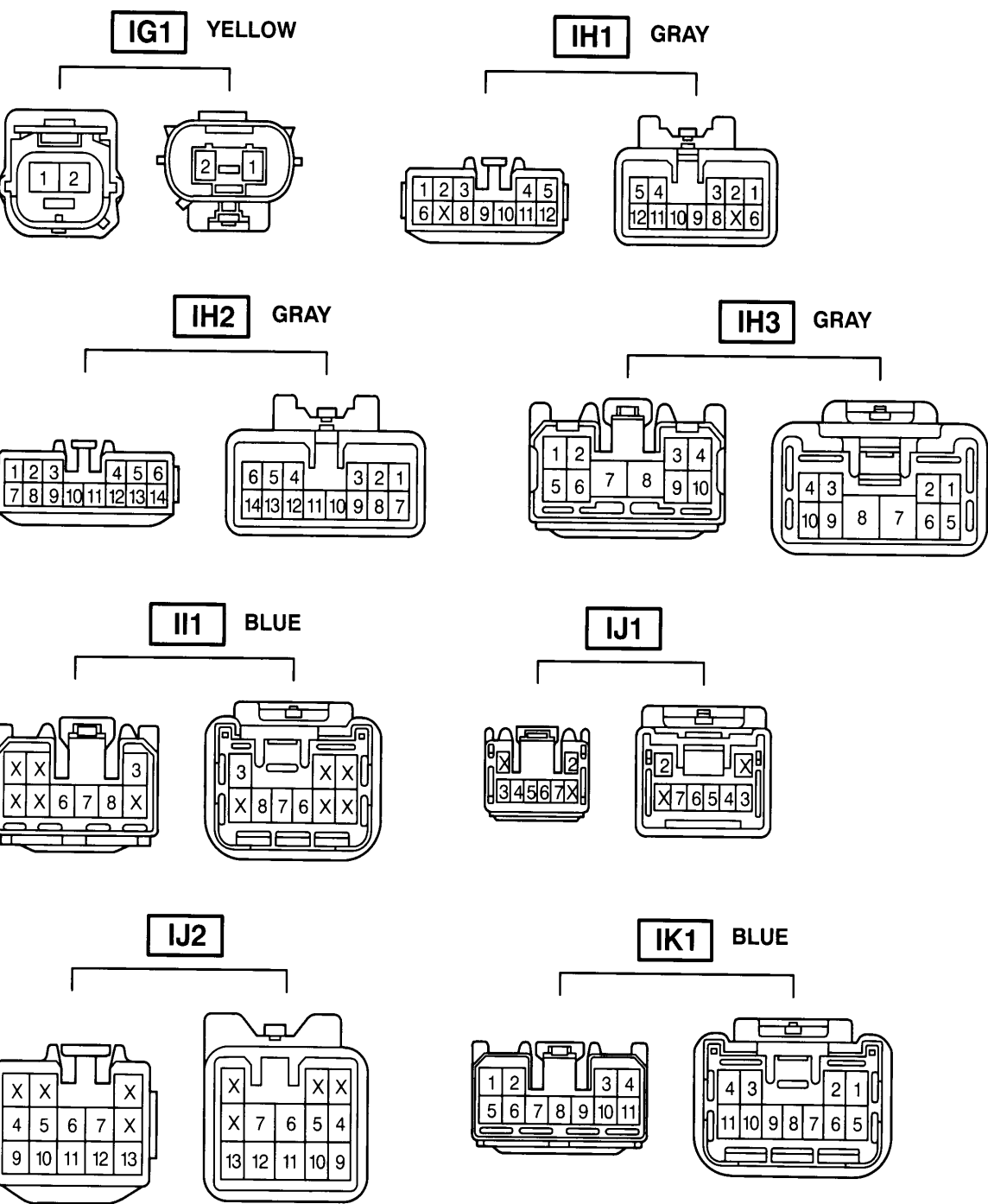
[LHD]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



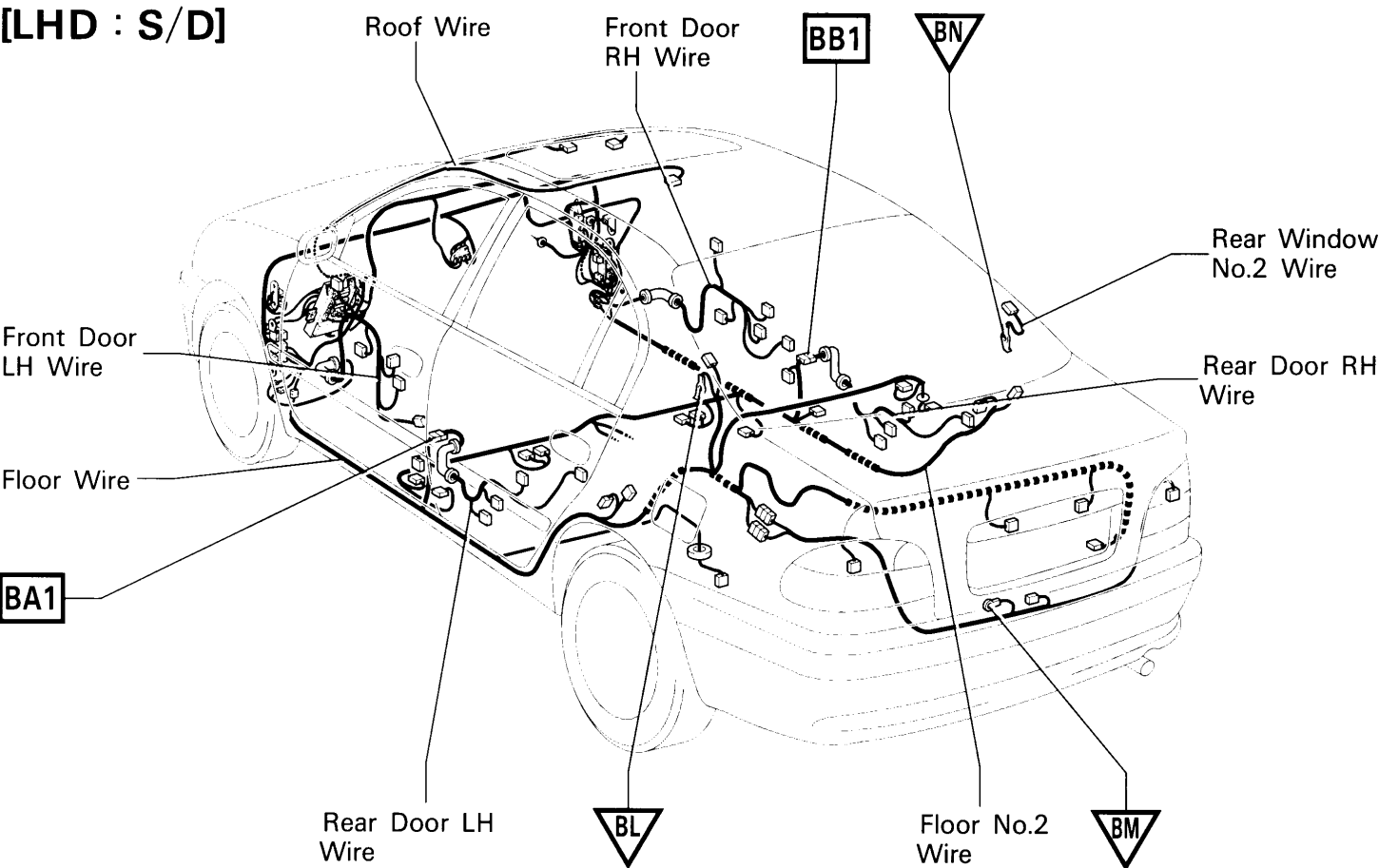
Code	Joining Wire Harness and Wire Harness (Connector Location)
IG1	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IH1	
IH2	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IH3	
II1	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
IJ1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ2	
IK1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

G ELECTRICAL WIRING ROUTING

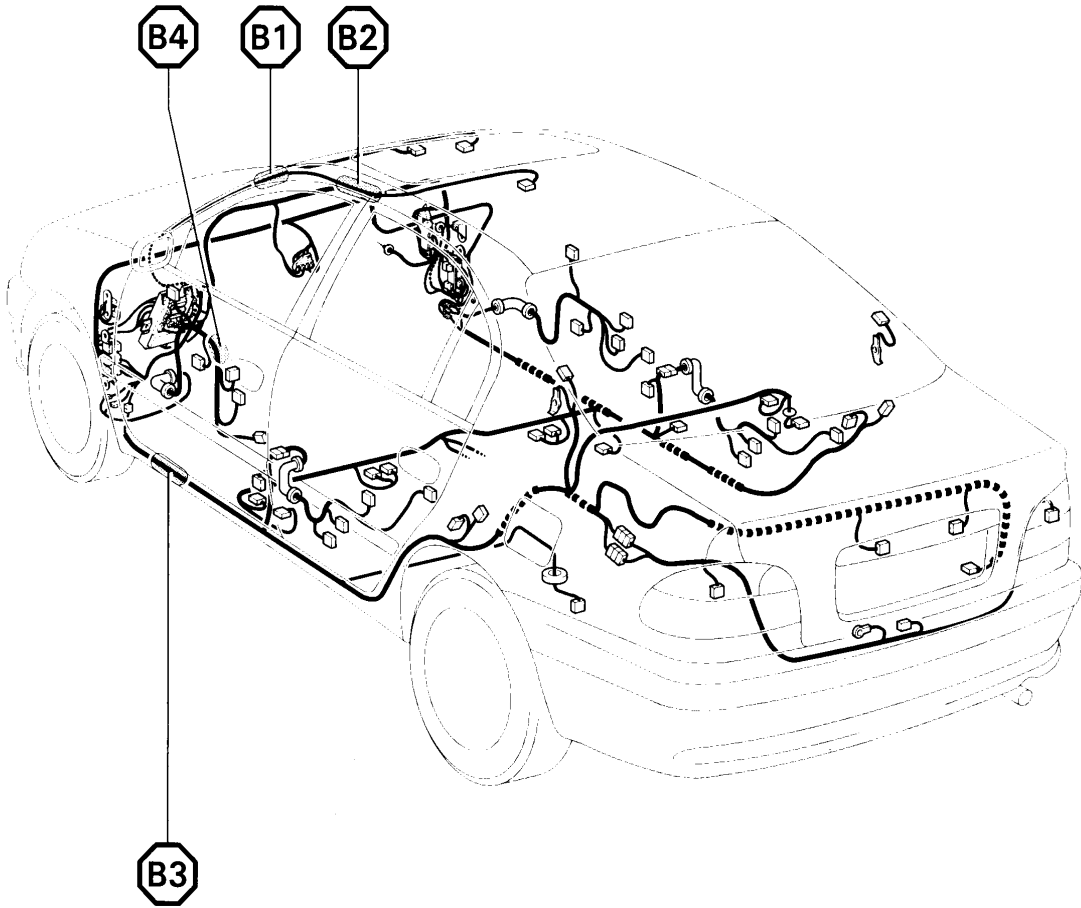
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

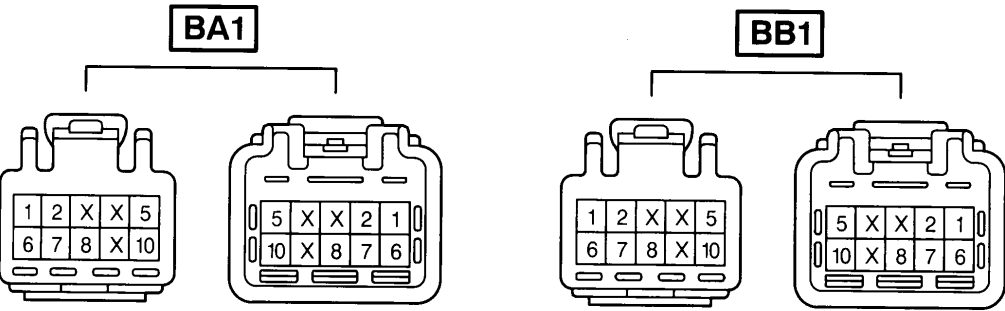
[LHD : S/D]



- : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



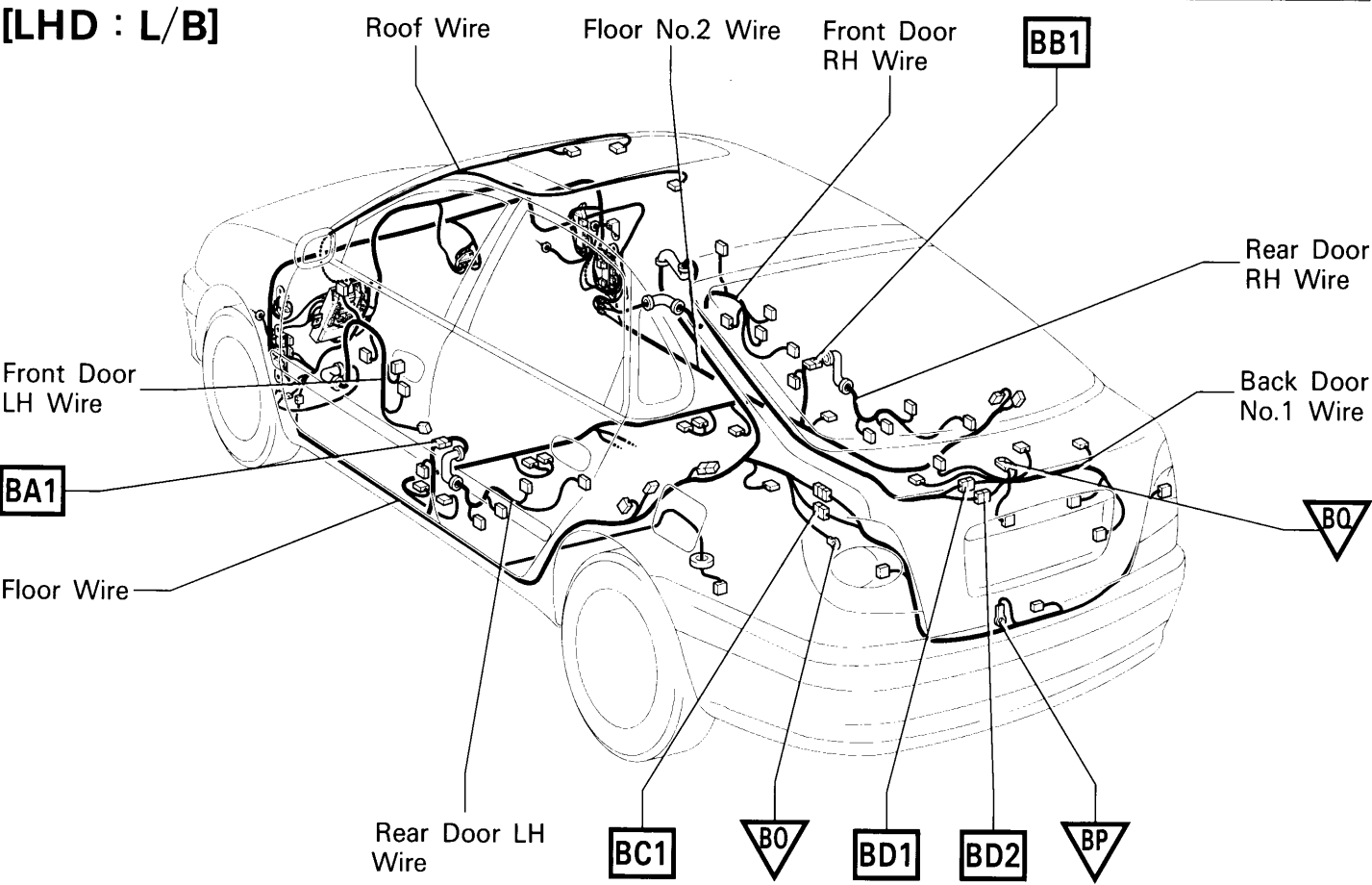
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)

G ELECTRICAL WIRING ROUTING

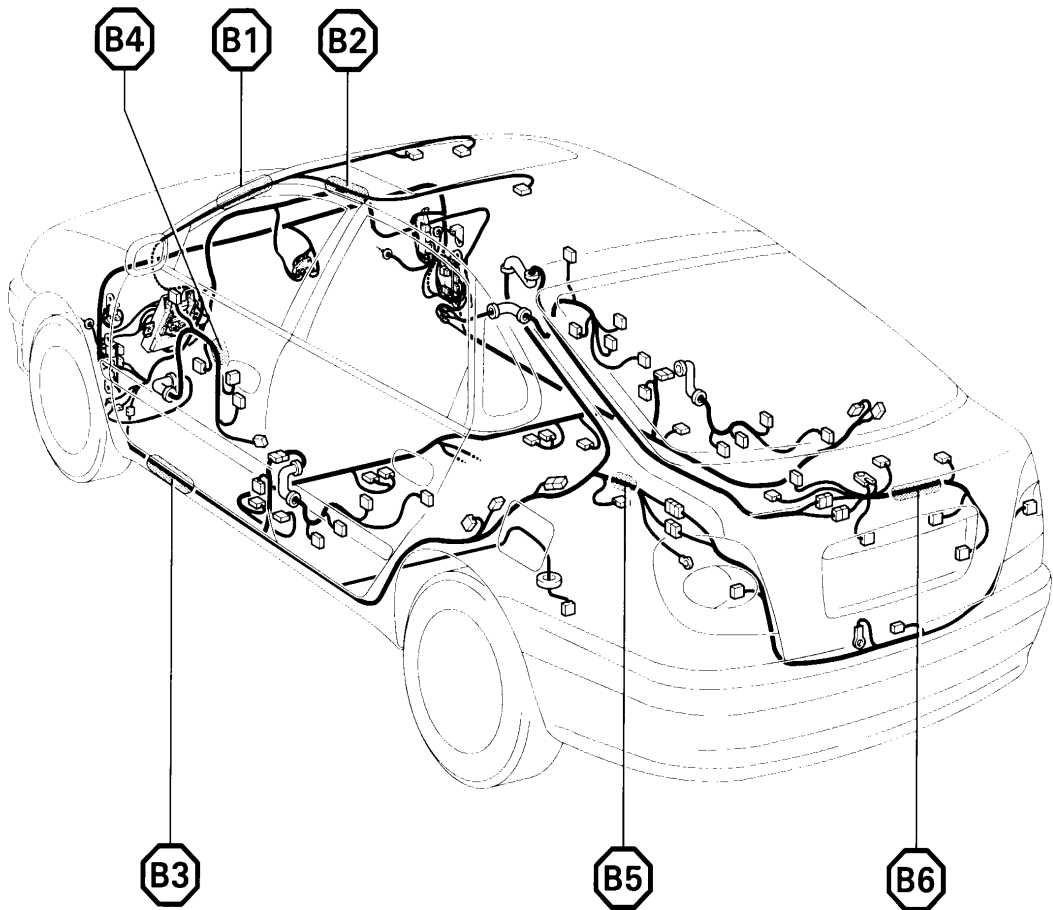
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

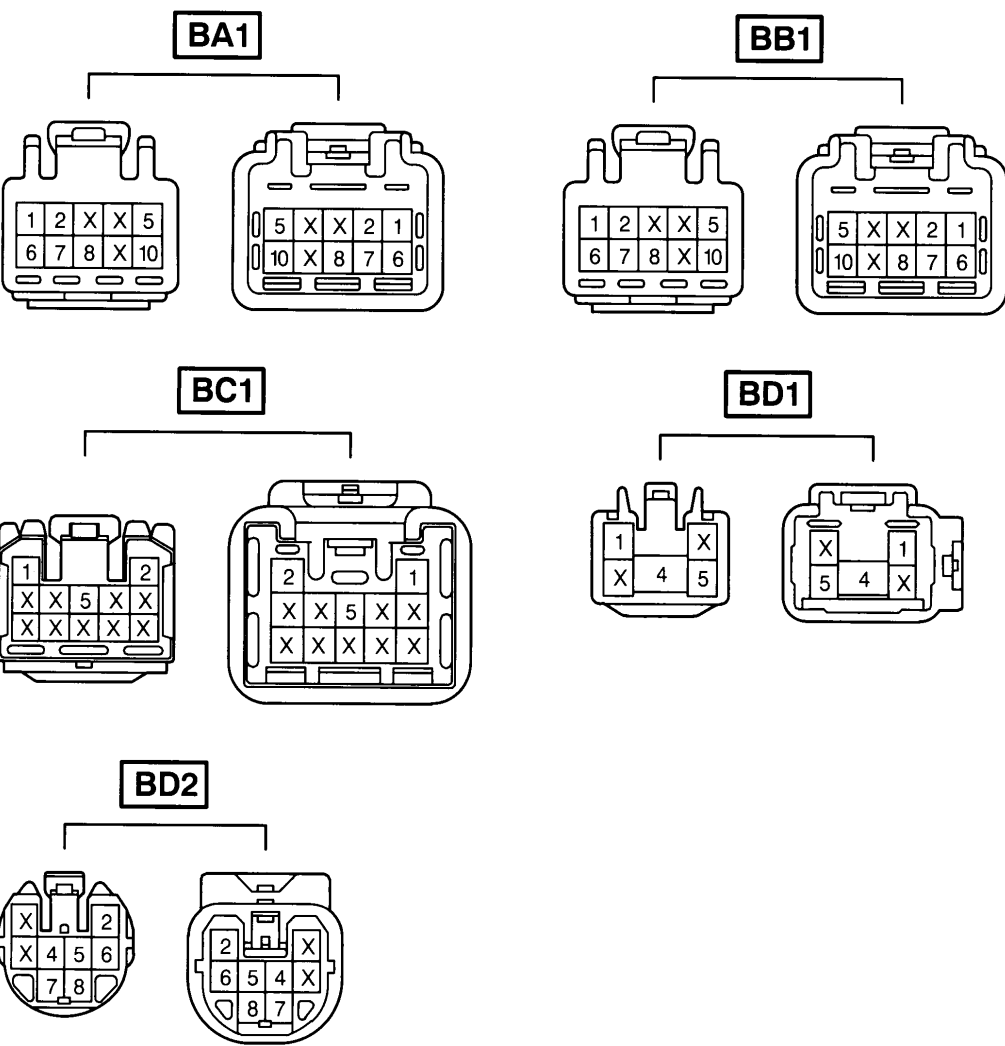
[LHD : L/B]



- : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



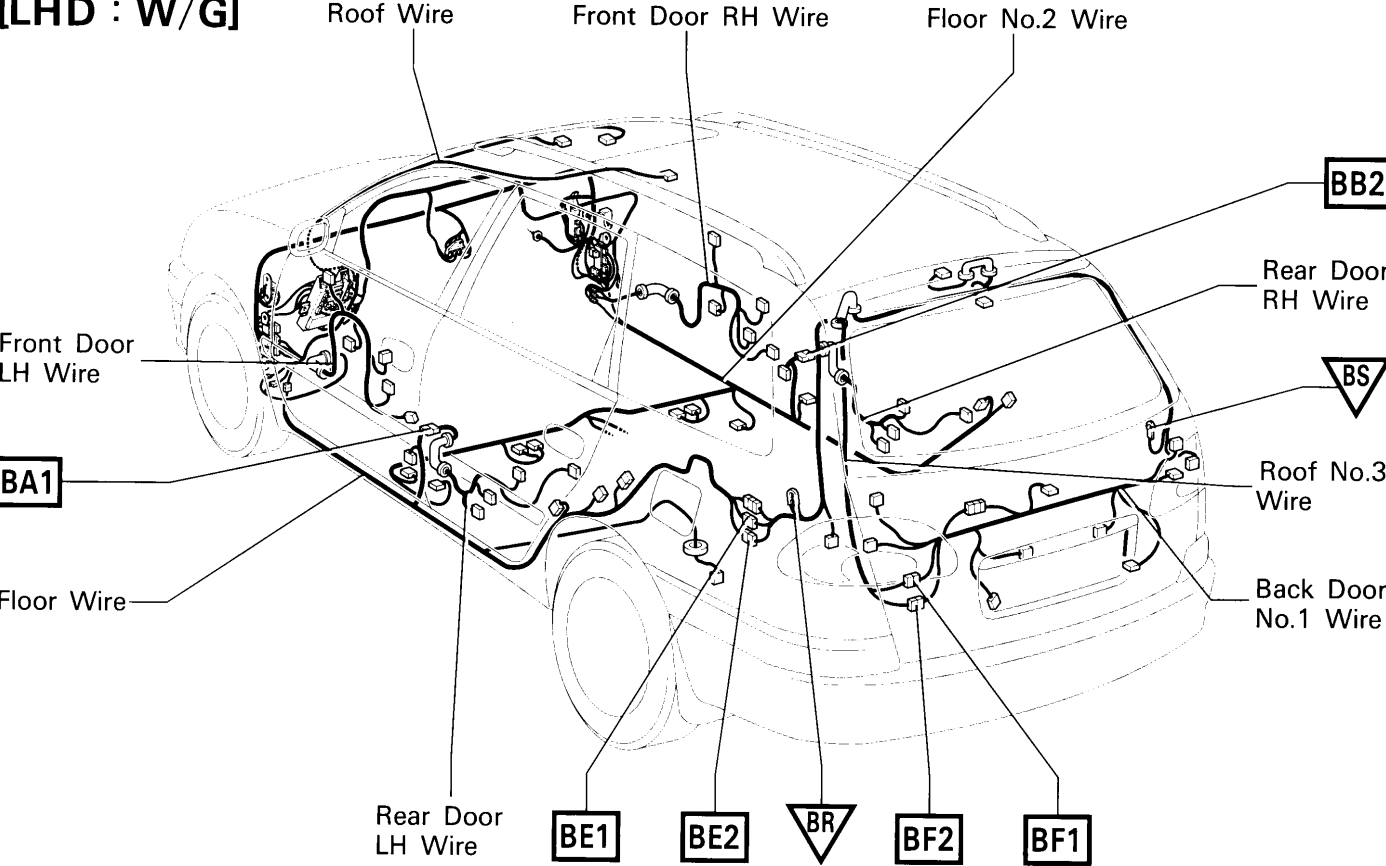
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
BC1	Floor Wire and Floor Wire (Under the Left Quarter Pillar)
BD1	Floor Wire and Back Door No.1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

G ELECTRICAL WIRING ROUTING

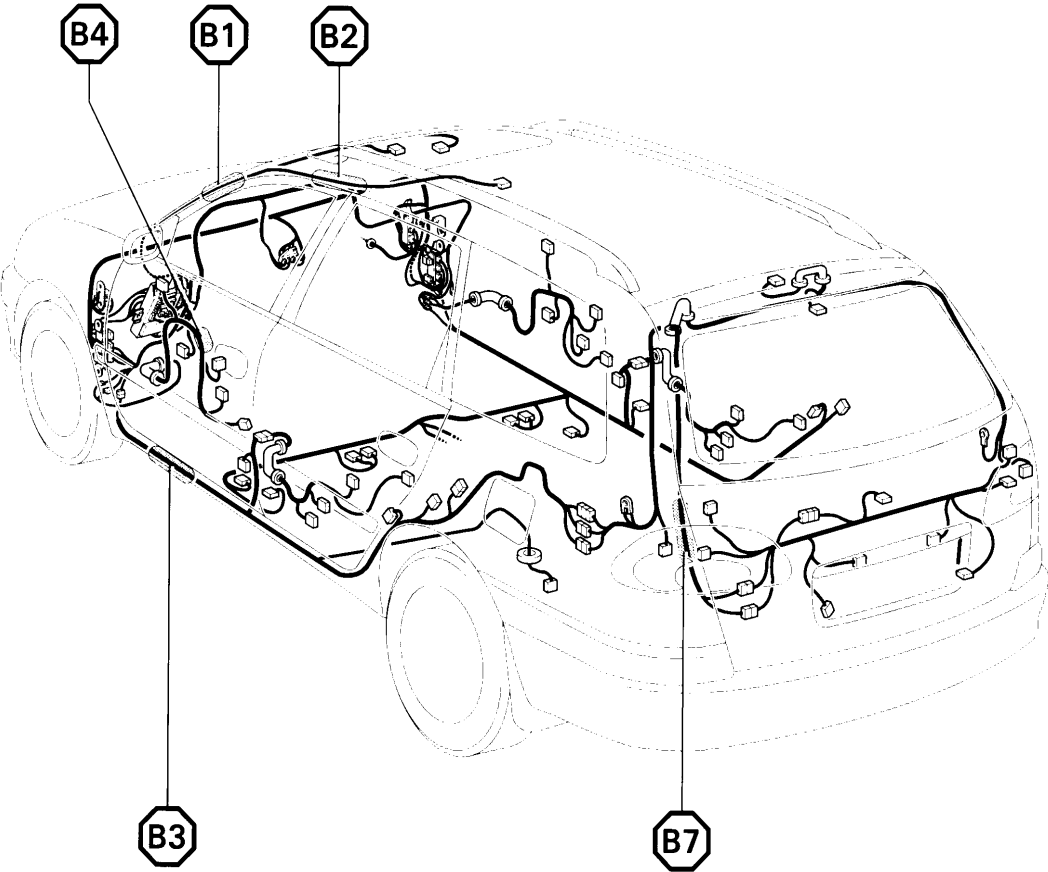
- : Location of Connector Joining Wire Harness and Wire Harness
- ▽

 : Location of Ground Points

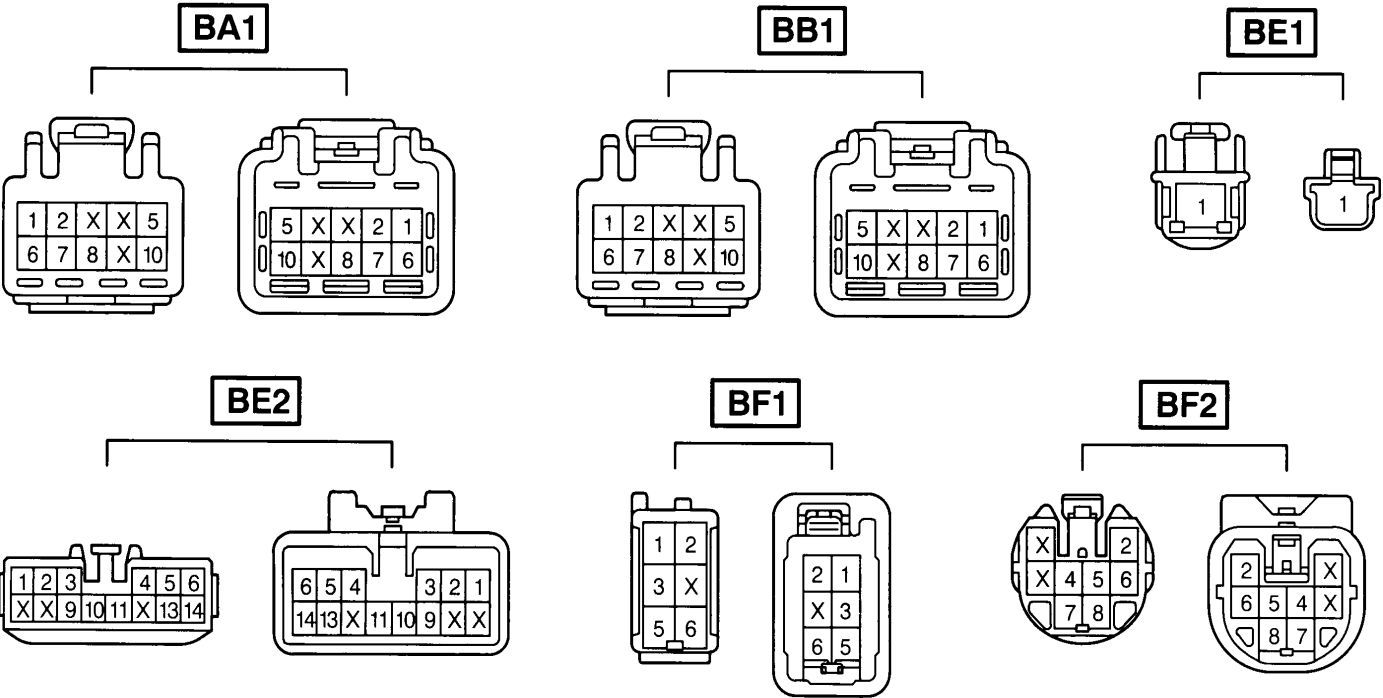
[LHD : W/G]



○ : 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 Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
BE1	Roof No.3 Wire and Floor Wire (Left Quarter Panel)
BE2	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
BF1	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	

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

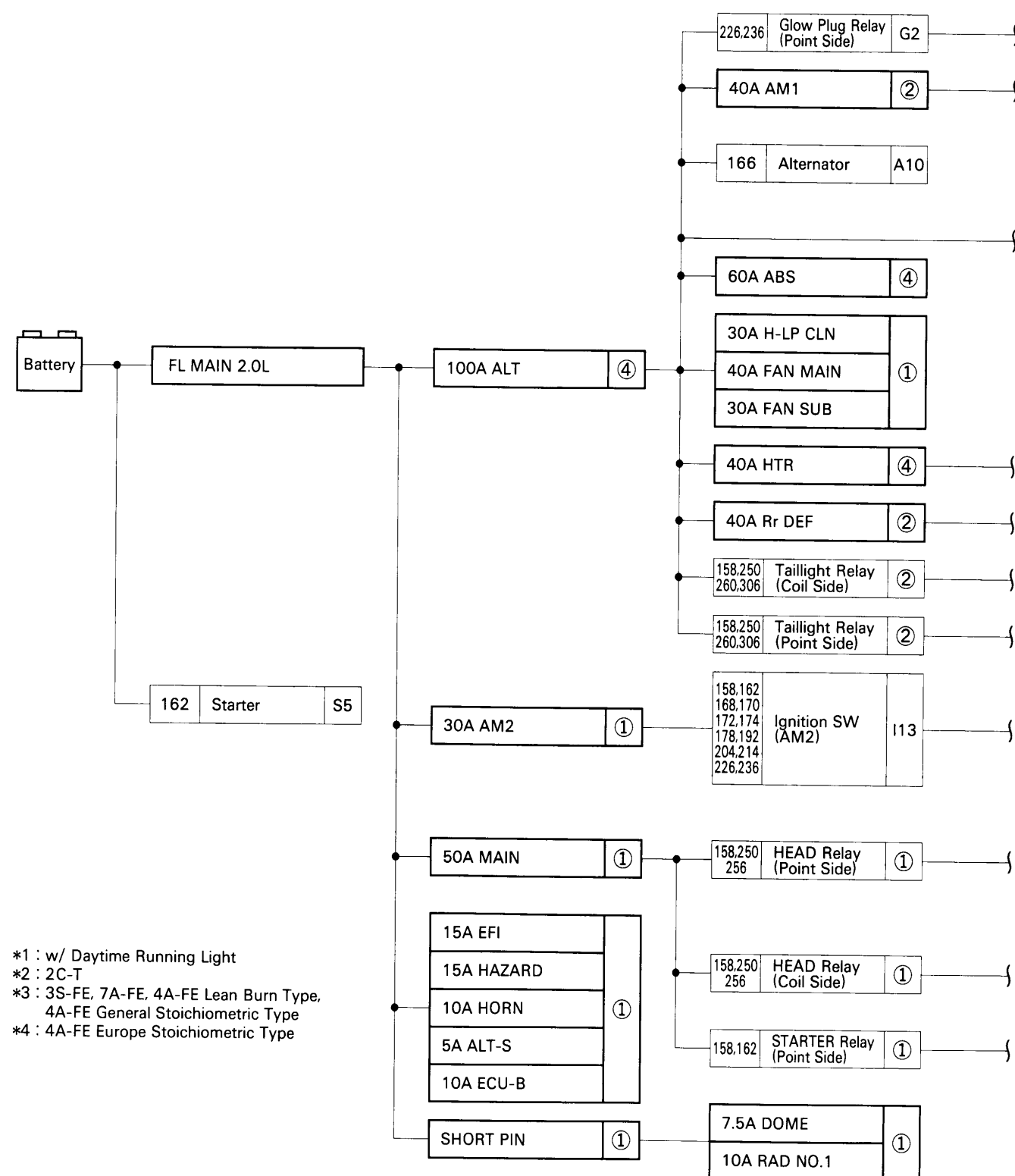
The next page and following pages show the parts to which each electrical source outputs current.

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

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

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

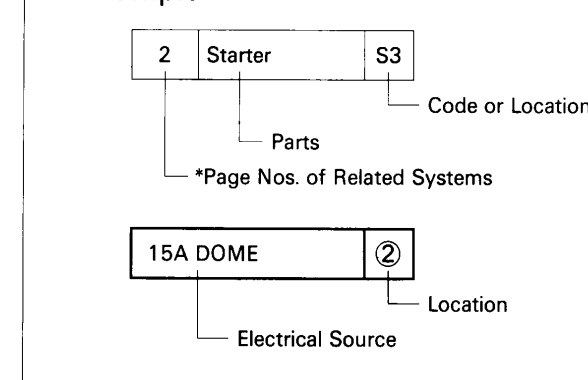
Las siguientes páginas indican las partes que reciben alimentación.



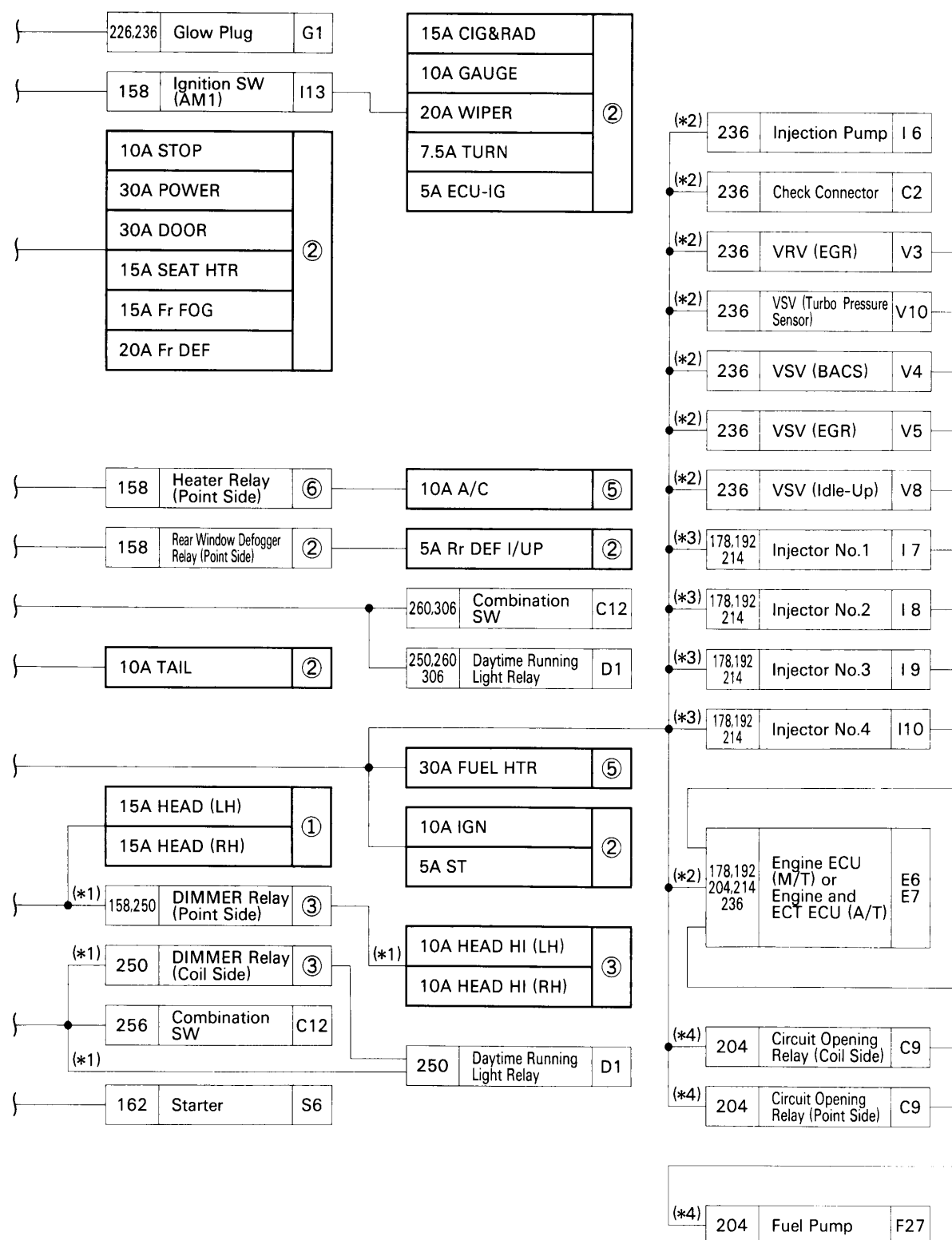
- *1 : w/ Daytime Running Light
- *2 : 2C-T
- *3 : 3S-FE, 7A-FE, 4A-FE Lean Burn Type, 4A-FE General Stoichiometric Type
- *4 : 4A-FE Europe Stoichiometric Type

[LOCATION] ① : Engine Room J/B (See page 56) ② : Instrument Panel J/B (See page 58)
⑤ : Fuse Box (See on page 78, 96) ⑥ : R/B No.4 (See page 53)

Example



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



③ : R/B No.7 (See page 54) ④ : Fusible Link Block (See page 55)

H

English

* *Estos son los números de página de la primera página en la que se muestra el sistema relacionado. La parte indicada está situada en algún sitio del sistema, y no necesariamente en la página aquí indicada.*

③ : R/B No.7 (See page 54) ④ : Fusible Link Block (See page 55)
⑦ : Engine Room R/B (See page 54) ⑧ : Driver Side R/B (See page 53)

148

- * 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.
- * *Números de page de la première page sur laquelle le système afférent est représenté.
L'organe indiqué se trouve quelque part à l'intérieur du système, mais non pas nécessairement dans la page qui est mentionnée ici.*
- * *Estos son los números de página de la primera página en la que se muestra el sistema relacionado.
La parte indicada está situada en algun sitio del sistema, y no necesariamente en la página aquí indicada.*

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H

AVENSIS / CORONA

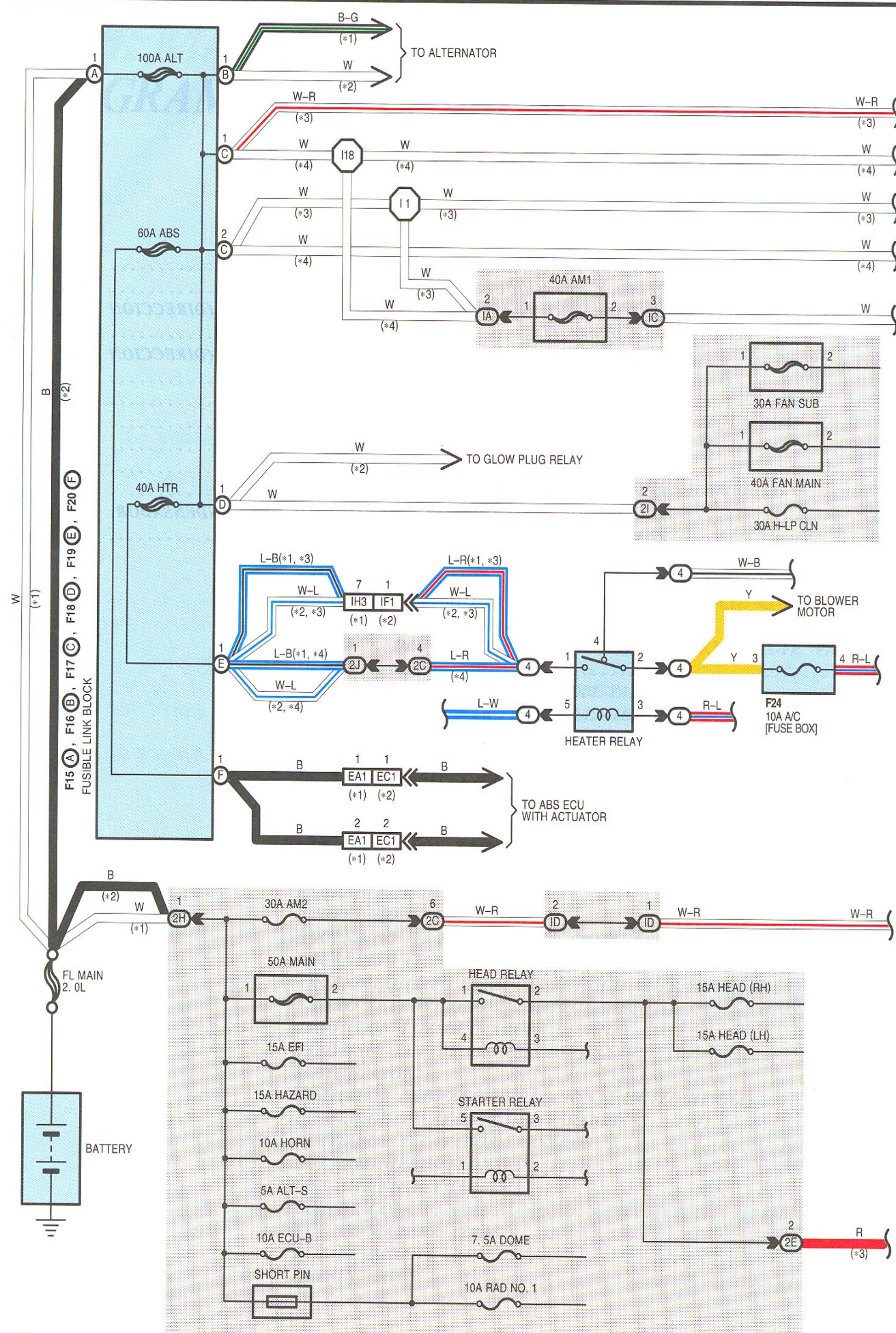
ELECTRICAL WIRING DIAGRAM

SYSTEM CIRCUITS

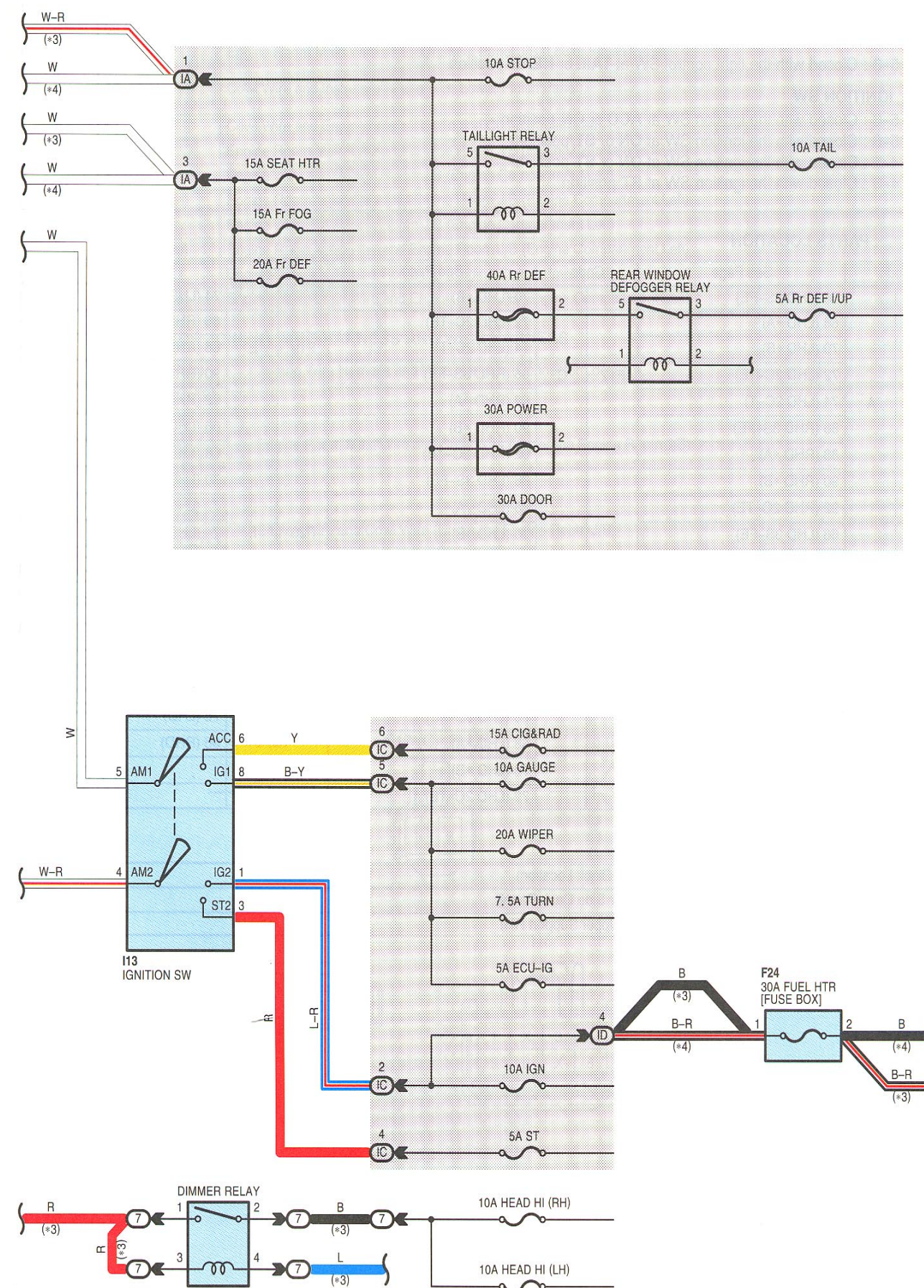
	Page
ABS	354
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AUTOMATIC AIR CONDITIONER	428
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CHARGING	166
CIGARETTE LIGHTER	372
COMBINATION METER.....	414
DOOR LOCK CONTROL.....	386
ECT (3S-FE).....	336
ECT (4A-FE GENERAL STOICHIOMETRIC TYPE)	348
ECT (LEAN BURN TYPE).....	342
ENGINE CONTROL (2C-T).....	236
ENGINE CONTROL (2C-TE).....	226
ENGINE CONTROL (3S-FE).....	178
ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)	204
ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE) ...	214
ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN TYPE).....	192
ENGINE IMMOBILISER SYSTEM.....	244
FRONT FOG LIGHT	296
FRONT WINDOW DEICER AND REAR WINDOW DEFOGGER AND MIRROR HEATER (LHD).....	328
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HEADLIGHT (w/ DAYTIME RUNNING LIGHT)	250
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HEADLIGHT BEAM LEVEL CONTROL.....	316
HEADLIGHT CLEANER (LHD).....	312
HORN.....	374
IGNITION (3S-FE).....	168
IGNITION (4A-FE EUROPE STOICHIOMETRIC TYPE)	172
IGNITION (4A-FE GENERAL STOICHIOMETRIC TYPE)	174
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INTERIOR LIGHT	268
LIGHT REMINDER BUZZER	366
MOON ROOF.....	398
POWER SOURCE	158
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	Page
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SEAT HEATER (LHD)	376
SRS.....	359
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STOP LIGHT	286
TAILLIGHT.....	260
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TURN SIGNAL AND HAZARD WARNING LIGHT (LHD).....	274
TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)	280
WIRELESS DOOR LOCK CONTROL.....	380

POWER SOURCE



* 1 : GASOLINE * 3 : LHD
* 2 : DIESEL * 4 : RHD



SERVICE HINTS

HEAD RELAY

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

TAILLIGHT RELAY

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

I13 IGNITION SW

5-6 : Closed with the ignition SW at **ACC** or **ON** position
5-8 : Closed with the ignition SW at **ON** or **ST** position
4-1 : Closed with the ignition SW at **ON** or **ST** position
4-3 : Closed with the ignition SW at **ST** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
F15	A	66 (LHD 3S-FE)	F17	C	70 (LHD *B)	F19	E	74 (LHD 2C-T)
		68 (LHD *A)			72 (LHD 2C-TE)			86 (RHD 3S-FE)
		70 (LHD *B)			74 (LHD 2C-T)			88 (RHD *A)
		72 (LHD 2C-TE)			86 (RHD 3S-FE)			90 (RHD *B)
		74 (LHD 2C-T)			88 (RHD *A)			92 (RHD 2C-TE)
		86 (RHD 3S-FE)			90 (RHD *B)			66 (LHD 3S-FE)
		88 (RHD *A)			92 (RHD 2C-TE)			68 (LHD *A)
		90 (RHD *B)			66 (LHD 3S-FE)			70 (LHD *B)
		92 (RHD 2C-TE)			68 (LHD *A)			72 (LHD 2C-TE)
F16	B	66 (LHD 3S-FE)	F18	D	70 (LHD *B)	F20	F	74 (LHD 2C-T)
		68 (LHD *A)			72 (LHD 2C-TE)			86 (RHD 3S-FE)
		70 (LHD *B)			74 (LHD 2C-T)			88 (RHD *A)
		72 (LHD 2C-TE)			86 (RHD 3S-FE)			90 (RHD *B)
		74 (LHD 2C-T)			88 (RHD *A)			92 (RHD 2C-TE)
		86 (RHD 3S-FE)			90 (RHD *B)			78 (LHD)
		88 (RHD *A)			92 (RHD 2C-TE)			96 (RHD)
		90 (RHD *B)			66 (LHD 3S-FE)			78 (LHD)
		92 (RHD 2C-TE)			68 (LHD *A)			96 (RHD)
		F17			C			66 (LHD 3S-FE)
68 (LHD *A)								
72 (LHD 2C-TE)								

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)
7	54	R/B No.7 (Radiator Upper Support RH)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

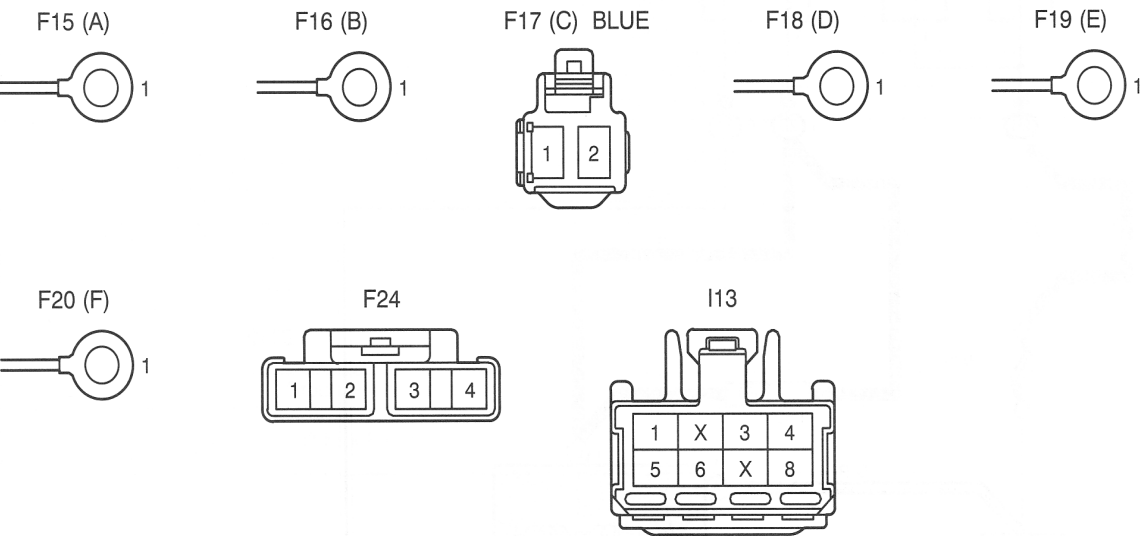
Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

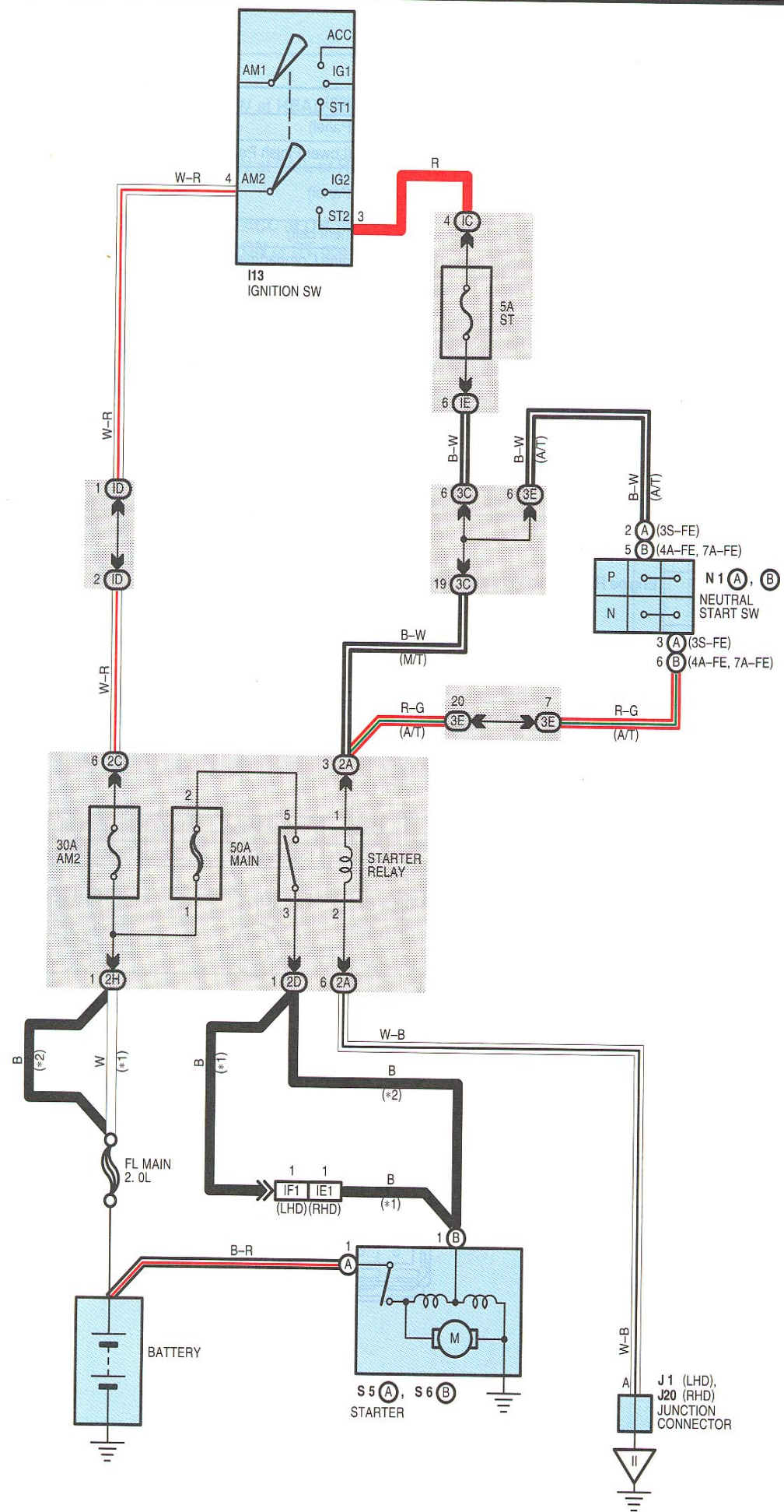
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	104 (LHD 3S-FE)	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
	106 (LHD *A)	
	108 (LHD *B)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
EC1	110 (LHD 2C-TE)	Engine Wire and Cowl Wire (Under the Engine Room J/B)
	130 (RHD 2C-TE)	
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	116 (LHD)	Cowl Wire	I18	134 (RHD)	Engine Room Main Wire



* 1 : GASOLINE
* 2 : DIESEL



SERVICE HINTS

S5 (A), S6 (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)

N1 (A), (B) NEUTRAL START SW

(A) 2-(A)3, (B) 5-(B) 6 : Closed with the A/T shift lever in P or N position

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
I13	78 (LHD) 96 (RHD)				
J1	78 (LHD)				
J20	96 (RHD)				
N1	A B	S5	A	S6	B
	66 (LHD 3S-FE) 86 (RHD 3S-FE) 68 (LHD *A) 70 (LHD *B) 72 (LHD 2C-TE) 74 (LHD 2C-T) 88 (RHD *A) 90 (RHD *B) 92 (RHD 2C-TE)				66 (LHD 3S-FE) 86 (RHD 3S-FE) 68 (LHD *A) 70 (LHD *B) 72 (LHD 2C-TE) 74 (LHD 2C-T) 86 (RHD 3S-FE) 88 (RHD *A) 90 (RHD *B) 92 (RHD 2C-TE)

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

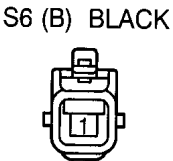
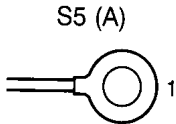
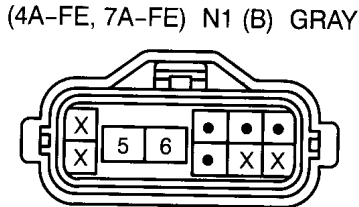
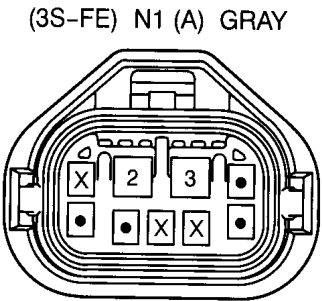
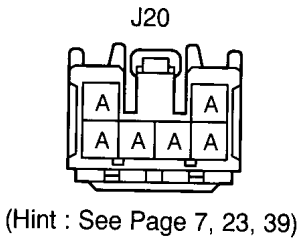
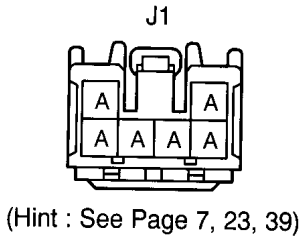
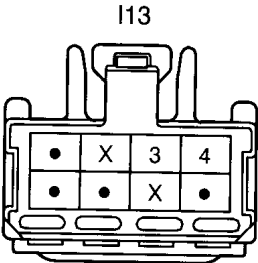
Code	See Page	Junction Block and Wire Harness (Connector Location)
IC		
ID	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D	57 (Diesel) 57 (Gasoline)	Engine Wire and Engine Room J/B (Engine Compartment Left) Cowl Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Diesel) 57 (Gasoline)	Engine Wire and Engine Room J/B (Engine Compartment Left) Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3C	60 (LHD) 60 (RHD)	Cowl Wire and Center J/B (Left Side of Heater Unit) Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD) 61 (RHD)	Cowl Wire and Center J/B (Left Side of Heater Unit) Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

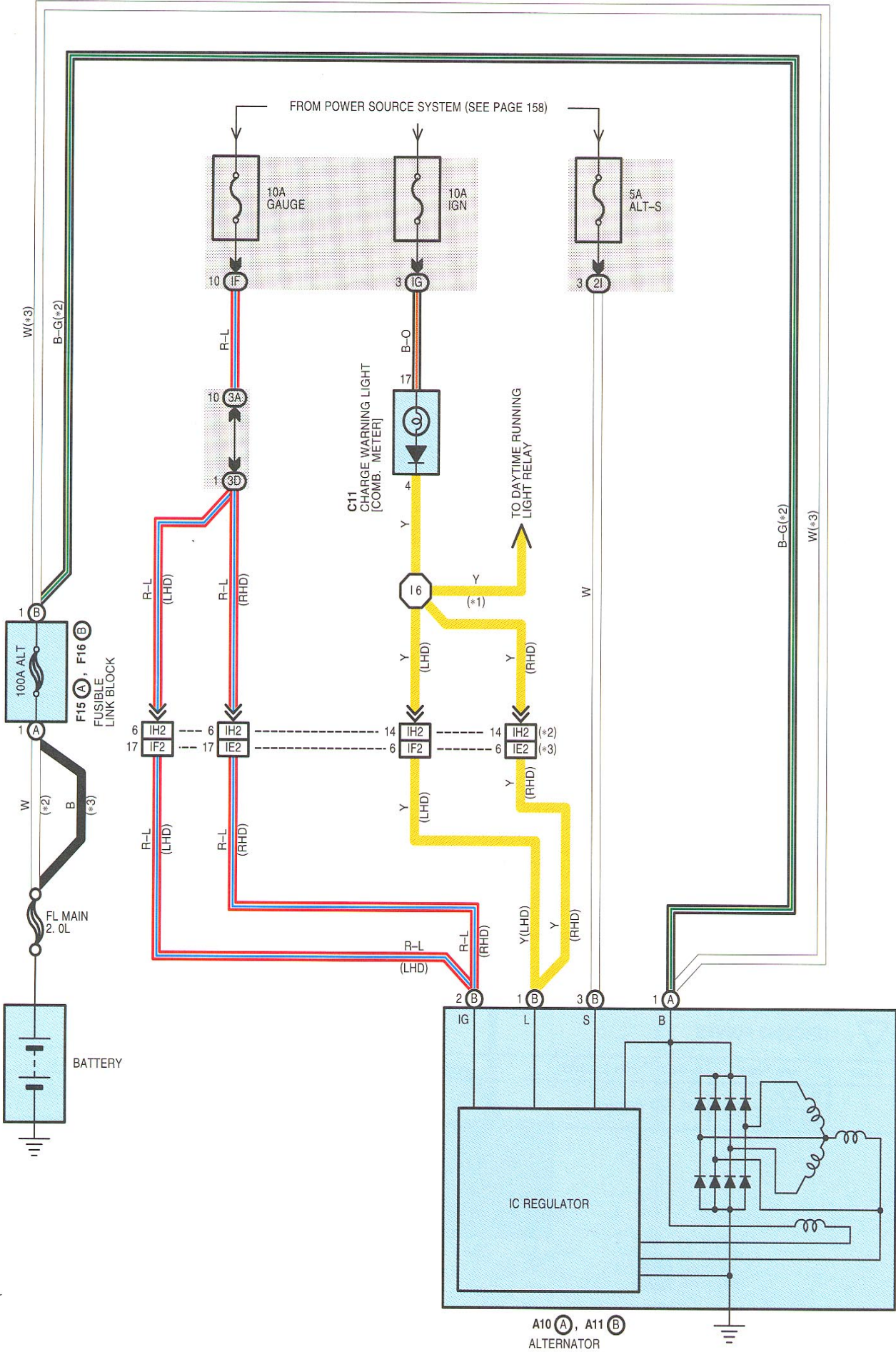
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	114 (LHD)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
II	114 (LHD) 132 (RHD)	Left Kick Panel



* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : GASOLINE
* 3 : DIESEL



SERVICE HINTS

A11 (B) ALTERNATOR

- (B) 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)
(B) 1-GROUND : 0-4 volts with the ignition SW at ON position and the engine not running

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
A10	A	66 (LHD 3S-FE)	A11	B	74 (LHD 2C-T)
		68 (LHD *A)			86 (RHD 3S-FE)
		70 (LHD *B)			88 (RHD *A)
		72 (LHD 2C-TE)			90 (RHD *B)
		74 (LHD 2C-T)			92 (RHD 2C-TE)
		86 (RHD 3S-FE)	C11		76 (LHD)
		88 (RHD *A)			94 (RHD)
		90 (RHD *B)			66 (LHD 3S-FE)
		92 (RHD 2C-TE)			68 (LHD *A)
					70 (LHD *B)
A11	B	66 (LHD 3S-FE)	F15	A	72 (LHD 2C-TE)
		68 (LHD *A)			74 (LHD 2C-T)
		70 (LHD *B)			86 (RHD 3S-FE)
					88 (RHD *A)
					90 (RHD *B)
					92 (RHD 2C-TE)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

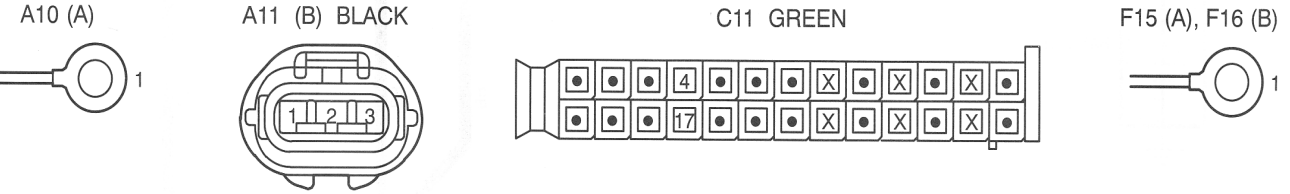
Code	See Page	Junction Block and Wire Harness (Connector Location)
IF	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
2I	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

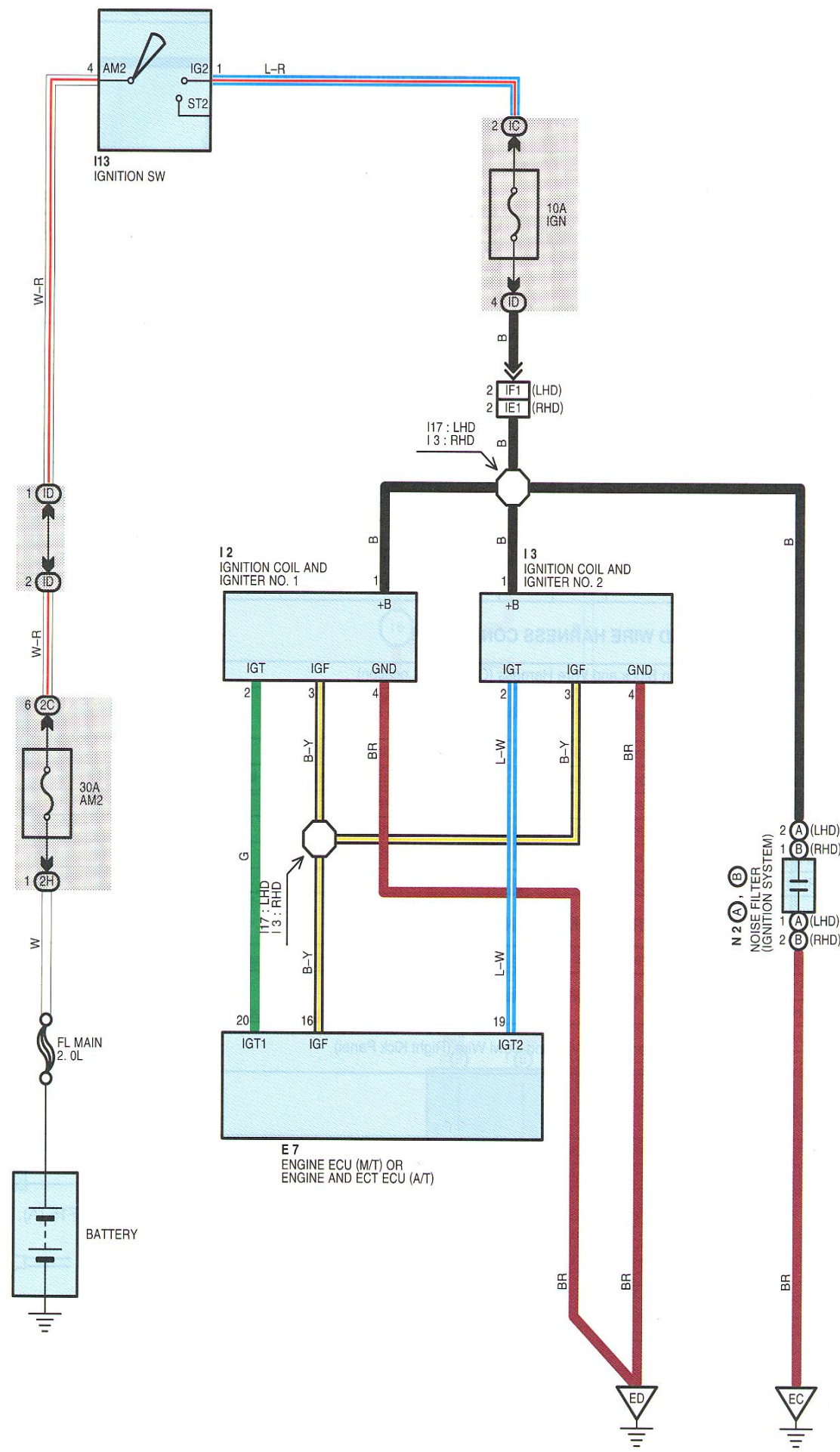
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire			





SERVICE HINTS

I13 IGNITION SW
4-1 : Closed with the ignition SW at ON or ST position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
E7	76 (LHD)	I3	66 (LHD 3S-FE)	N2	A 78 (LHD)
	94 (RHD)		86 (RHD 3S-FE)		B 96 (RHD)
I2	66 (LHD 3S-FE)	I13	78 (LHD)		
	86 (RHD 3S-FE)		96 (RHD)		

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

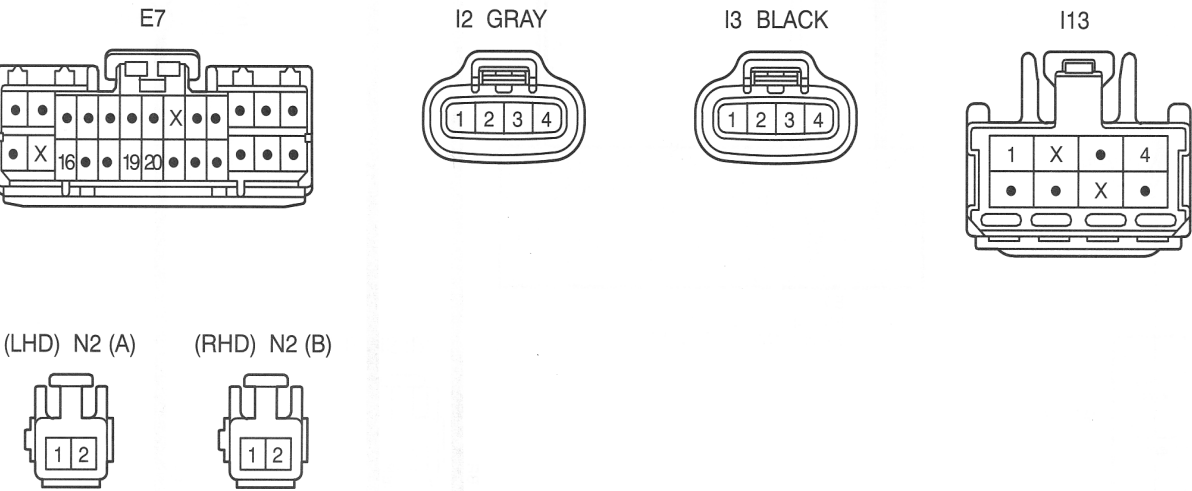
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	114 (LHD)	

▽ : GROUND POINTS

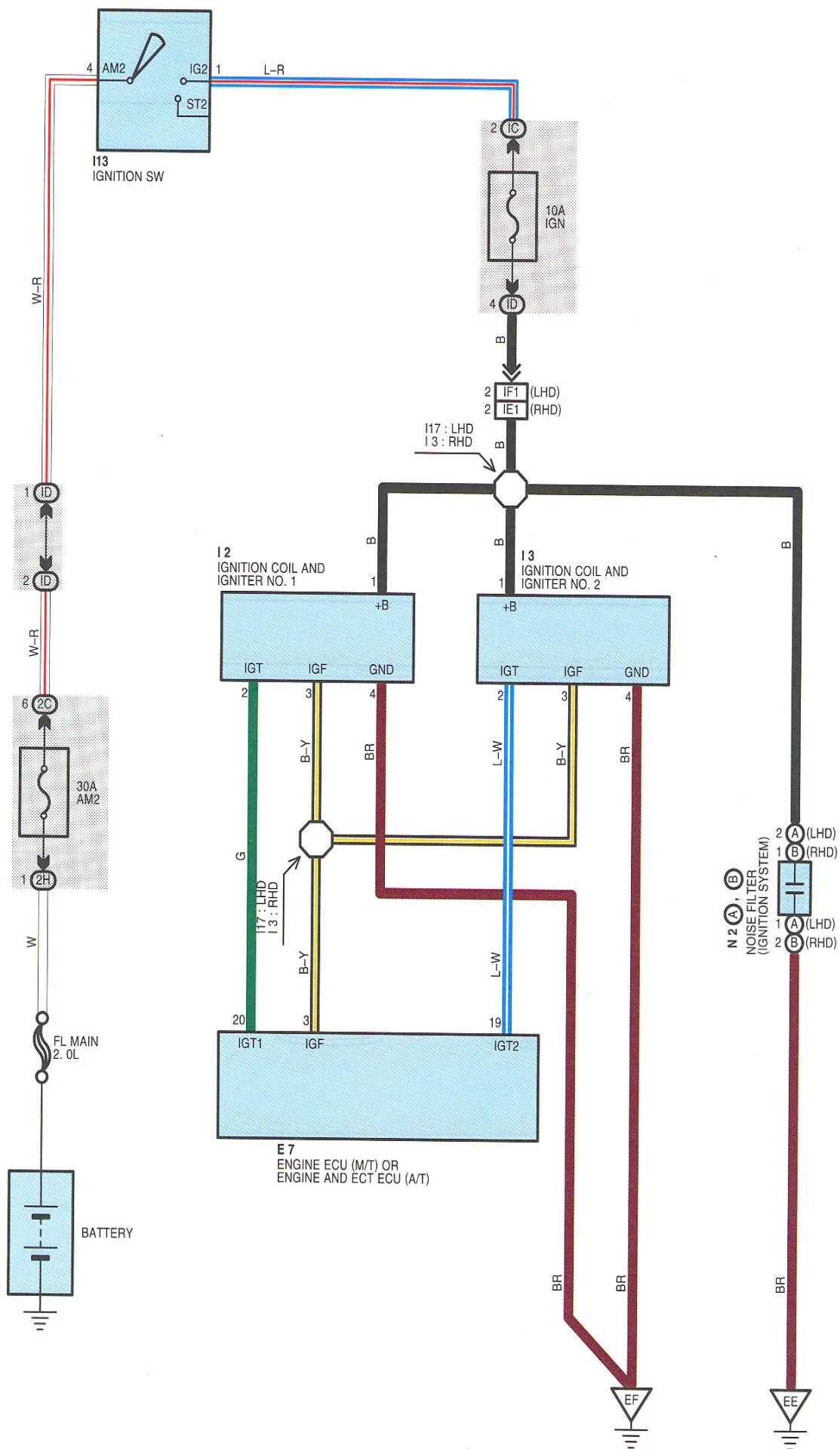
Code	See Page	Ground Points Location
EC	104 (LHD 3S-FE)	Behind the Intake Manifold
	124 (RHD 3S-FE)	
ED	104 (LHD 3S-FE)	Engine Block Left Side
	124 (RHD 3S-FE)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	134 (RHD)	Engine Wire	I17	116 (LHD)	Engine Wire



IGNITION (7A-FE, 4A-FE LEAN BURN TYPE)



SERVICE HINTS

I13 IGNITION SW

4-1 : Closed with the ignition SW at **ON** or **ST** position

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type

Code	See Page	Code	See Page	Code	See Page
E7	76 (LHD)	I3	68 (LHD *A)	N2	A 78 (LHD)
	94 (RHD)		88 (RHD *A)		B 96 (RHD)
I2	68 (LHD *A)	I13	78 (LHD)		
	88 (RHD *A)		96 (RHD)		

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

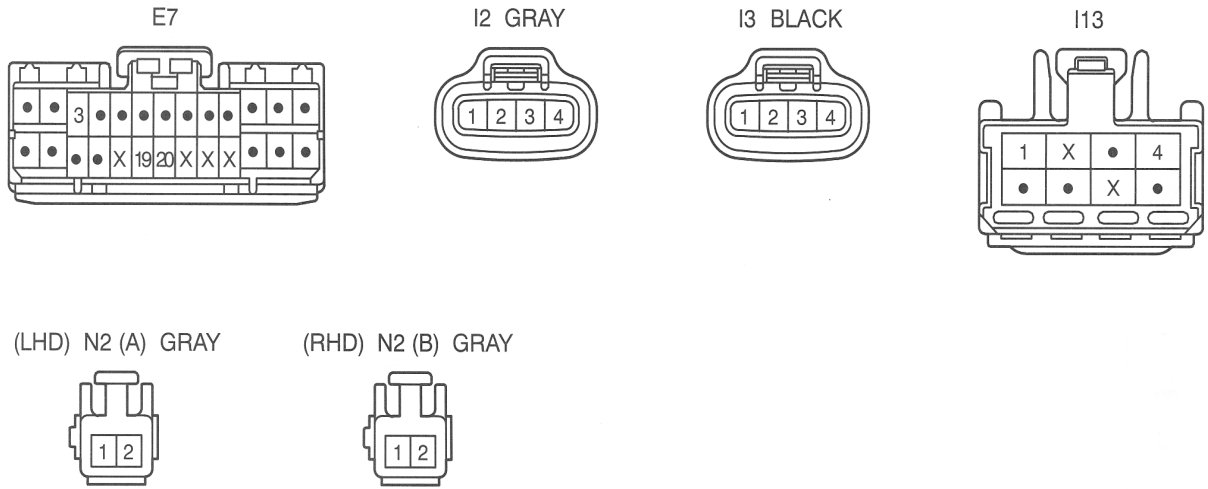
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	114 (LHD)	

▽ : GROUND POINTS

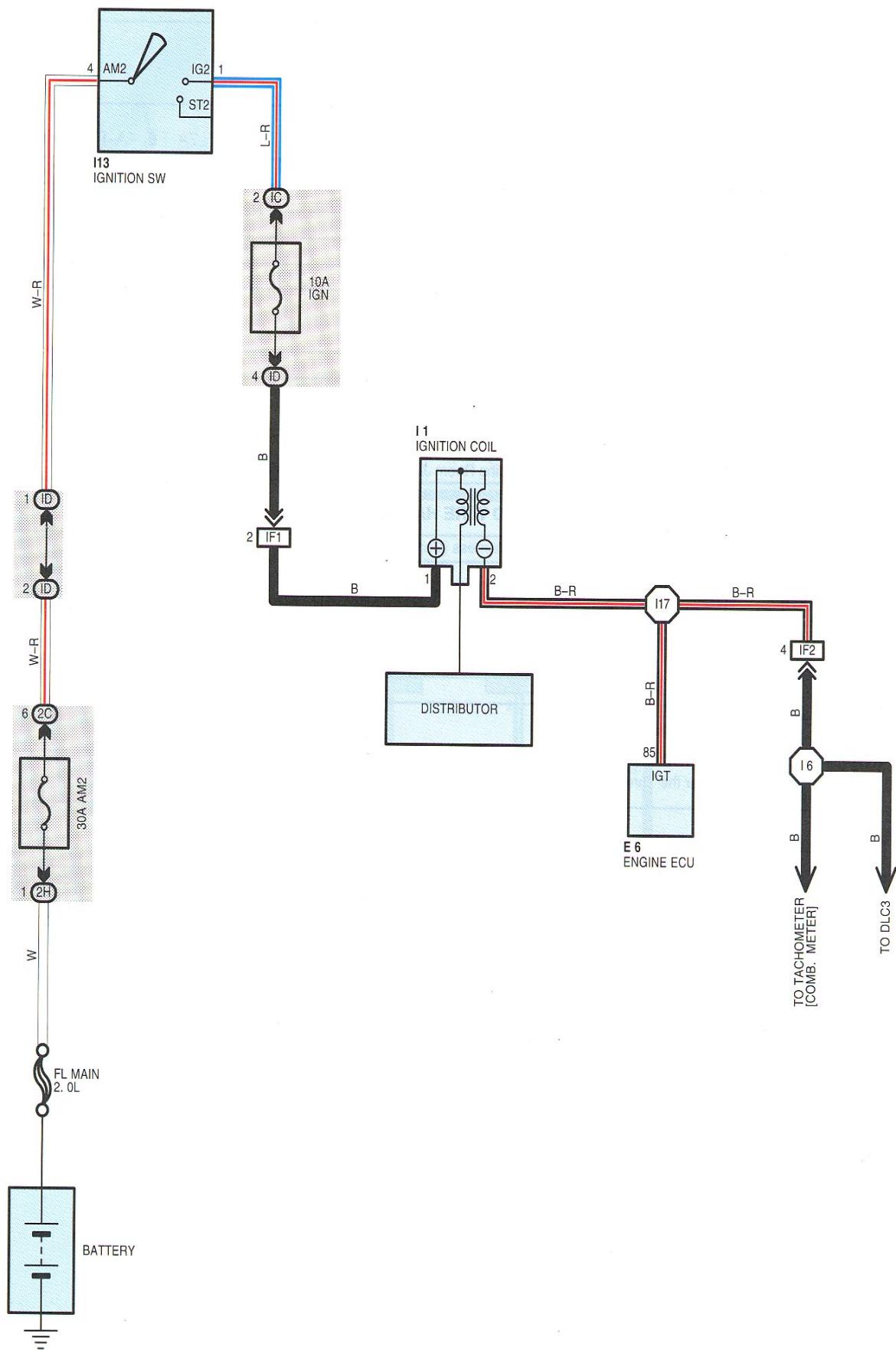
Code	See Page	Ground Points Location
EE	106 (LHD *A)	Under the Intake Manifold
	126 (RHD *A)	
EF	106 (LHD *A)	Near the Throttle Body
	126 (RHD *A)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	134 (RHD)	Engine Wire	I17	116 (LHD)	Engine Wire



IGNITION (4A-FE EUROPE STOICHIOMETRIC TYPE)



SERVICE HINTS

I13 IGNITION SW

4-1 : Closed with the ignition SW at ON or ST position

○ : PARTS LOCATION

* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
E6	76 (LHD)	I1	70 (LHD *B)	I13	78 (LHD)

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

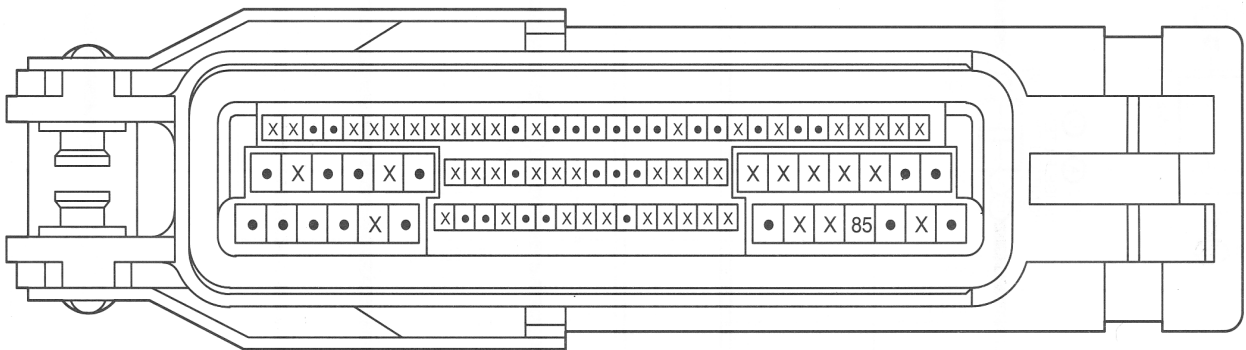
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2		

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I17	116 (LHD)	Engine Wire			

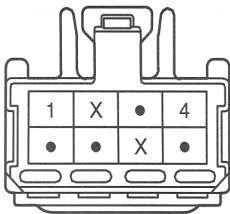
E6 BLACK



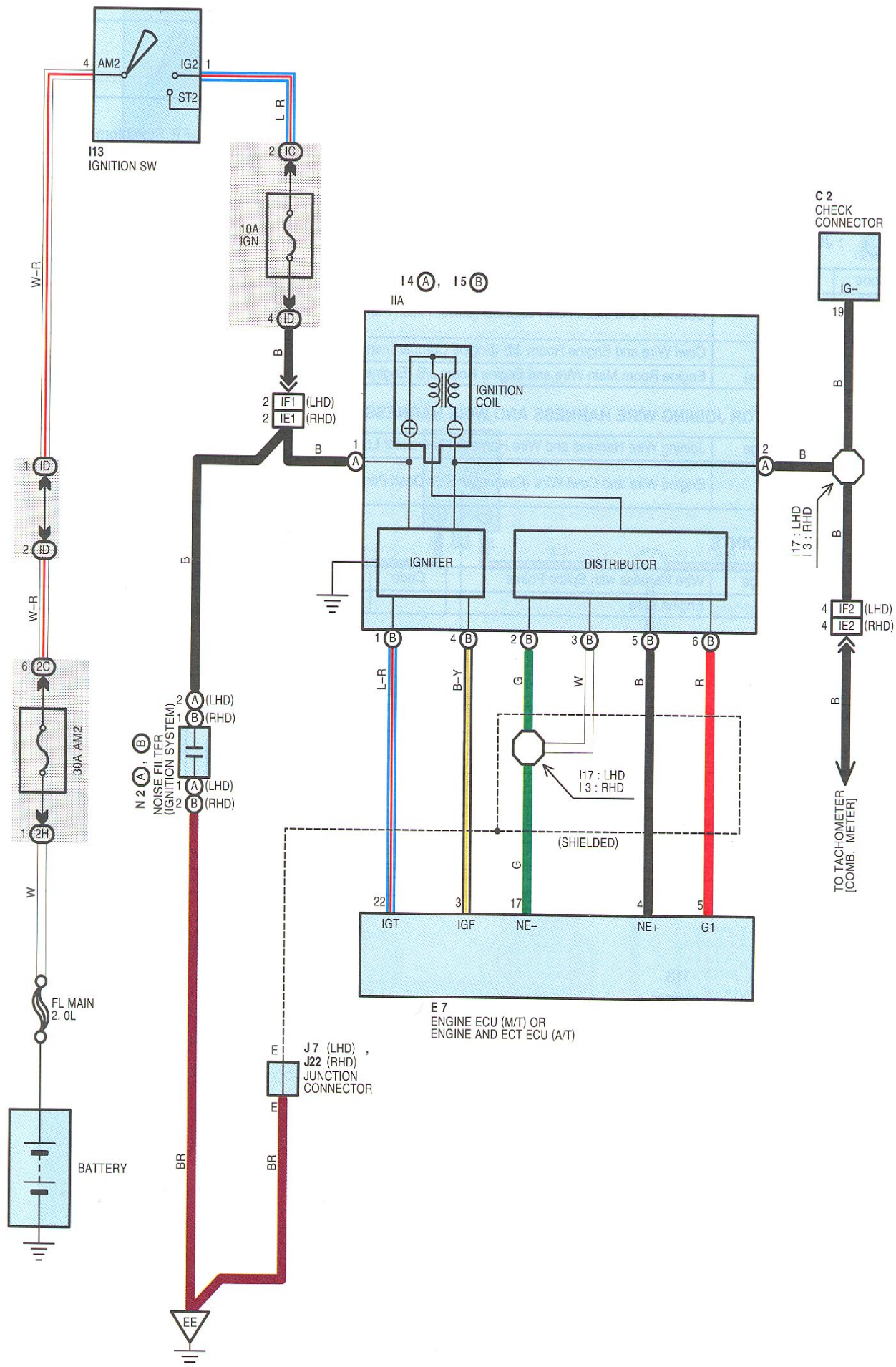
I1 BLACK



I13



IGNITION (4A-FE GENERAL STOICHIOMETRIC TYPE)



SERVICE HINTS

I13 IGNITION SW

4-1 : Closed with the ignition SW at **ON** or **ST** position

○ : PARTS LOCATION

* B : 4A-FE Stoichiometric Type

Code		See Page		Code		See Page		Code		See Page	
C2		70 (LHD *B)		I4	A	90 (RHD *B)		J7		78 (LHD)	
		90 (RHD *B)				70 (LHD *B)		J22		96 (RHD)	
E7		76 (LHD)		I5	B	90 (RHD *B)		N2	A	78 (LHD)	
		94 (RHD)				78 (LHD)			B	96 (RHD)	
I4	A	70 (LHD *B)		I13		96 (RHD)					

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	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)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

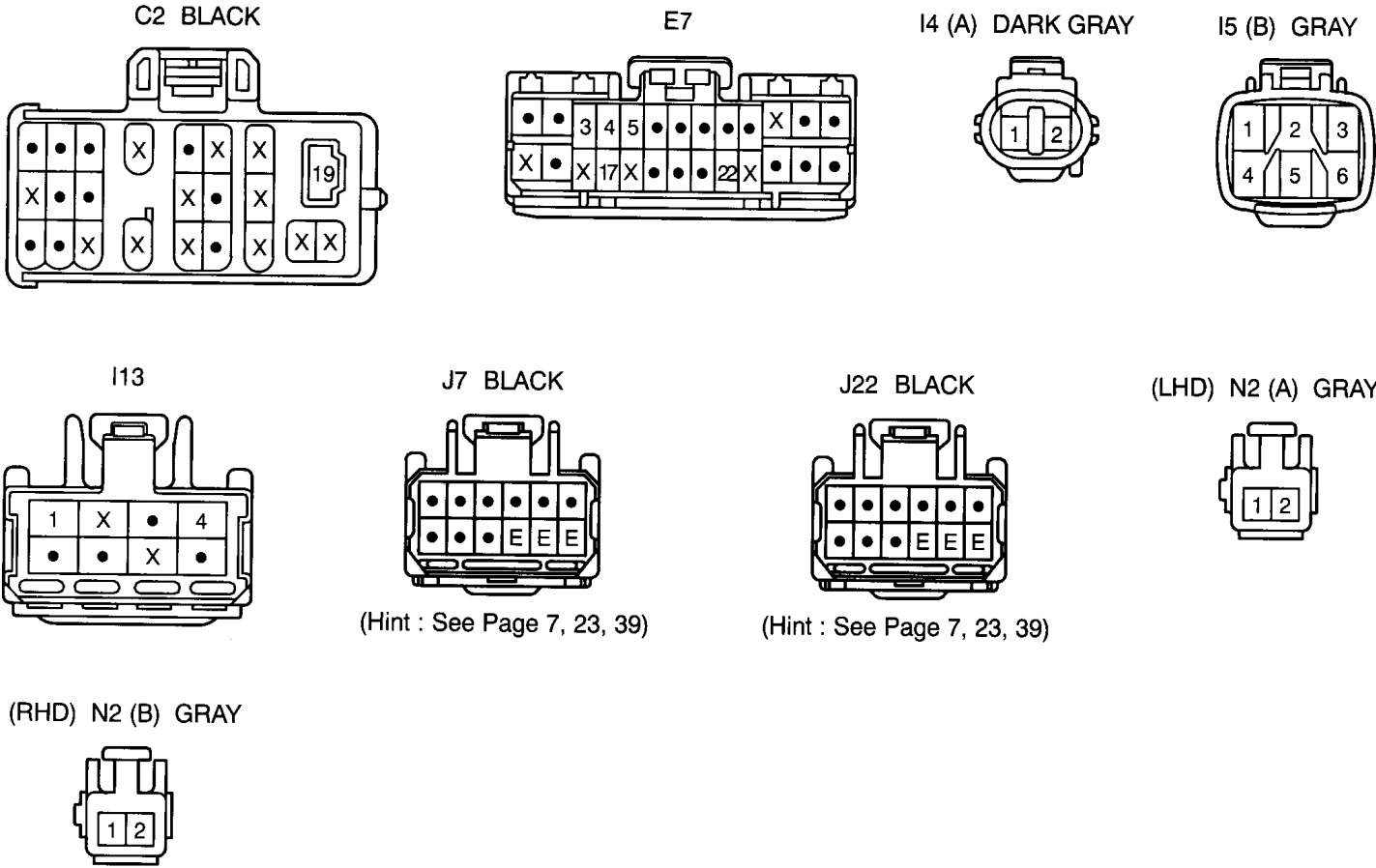
 : GROUND POINTS

Code	See Page	Ground Points Location
EE	108 (LHD *B)	Under the Intake Manifold
	128 (RHD *B)	

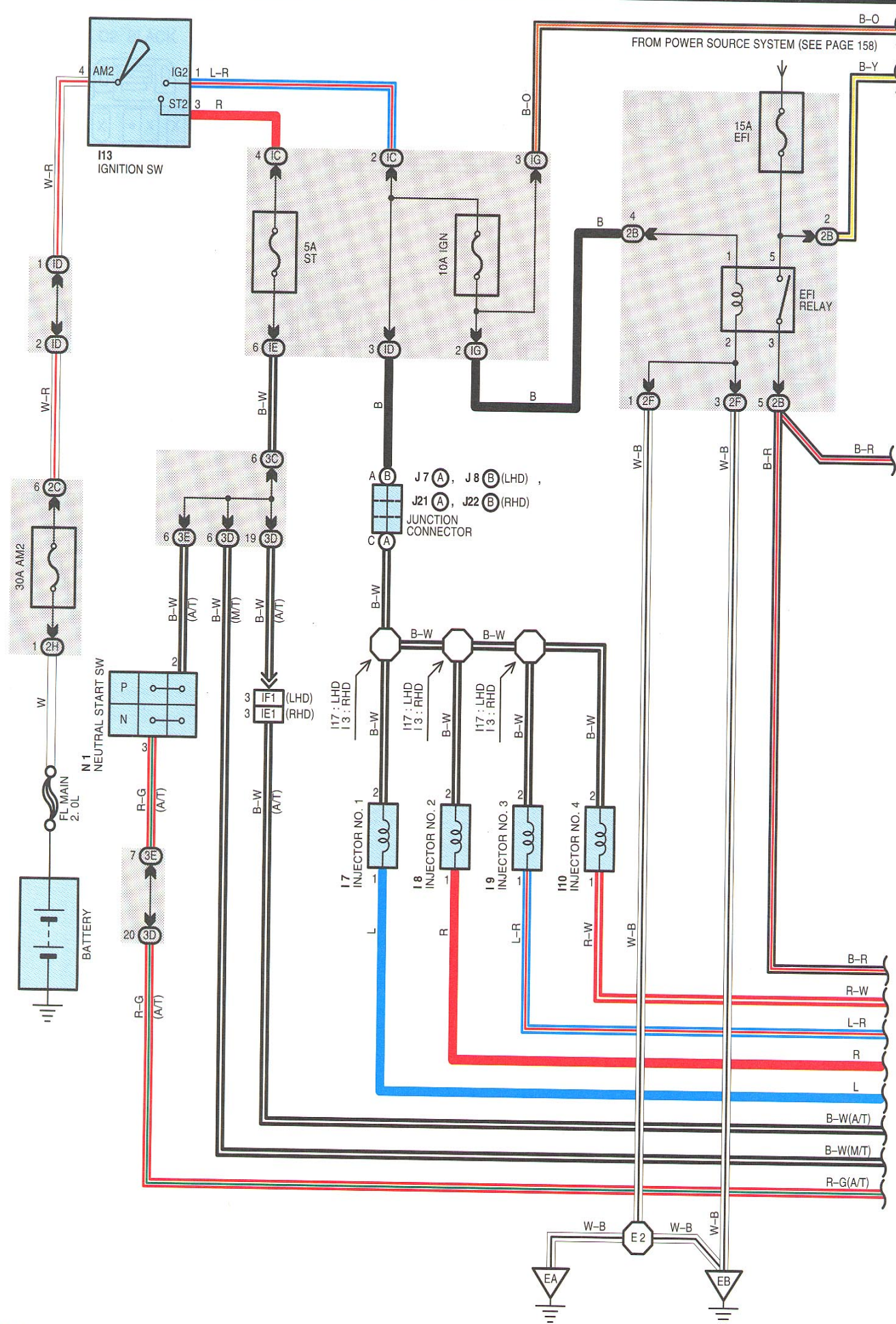
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	134 (RHD)	Engine Wire	I17	116 (LHD)	Engine Wire

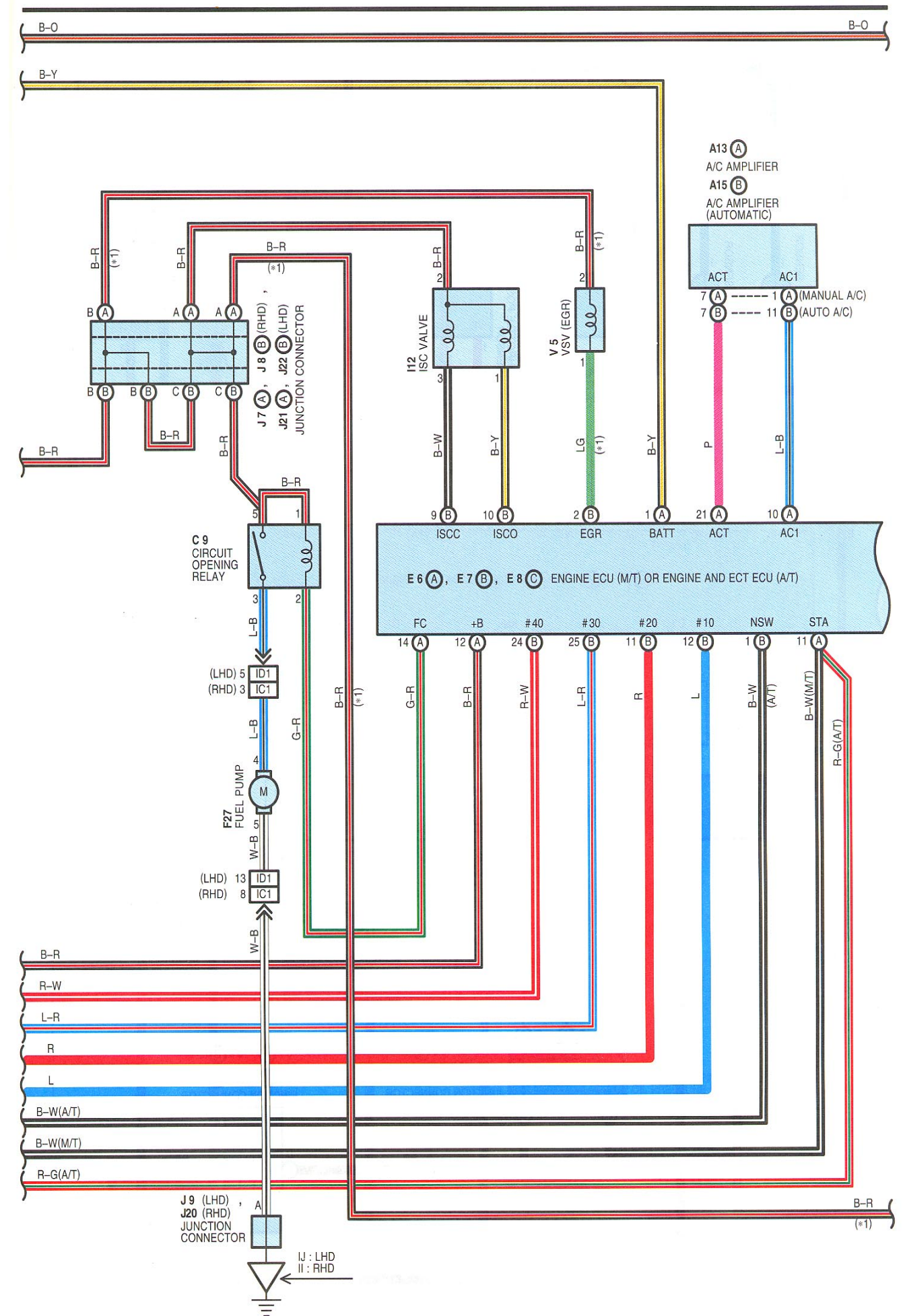
IGNITION (4A-FE GENERAL STOICHIOMETRIC TYPE)



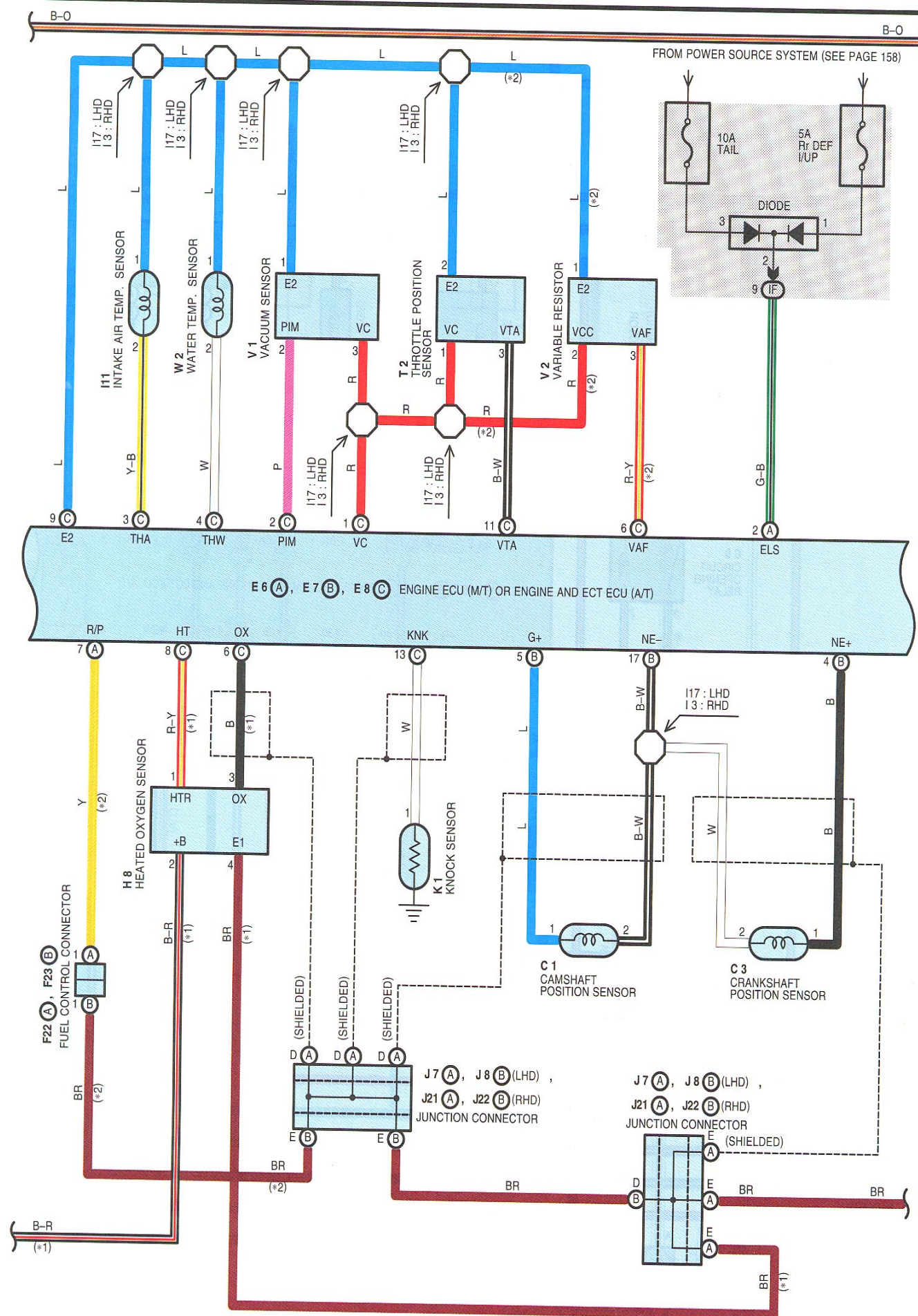
ENGINE CONTROL (3S-FE)



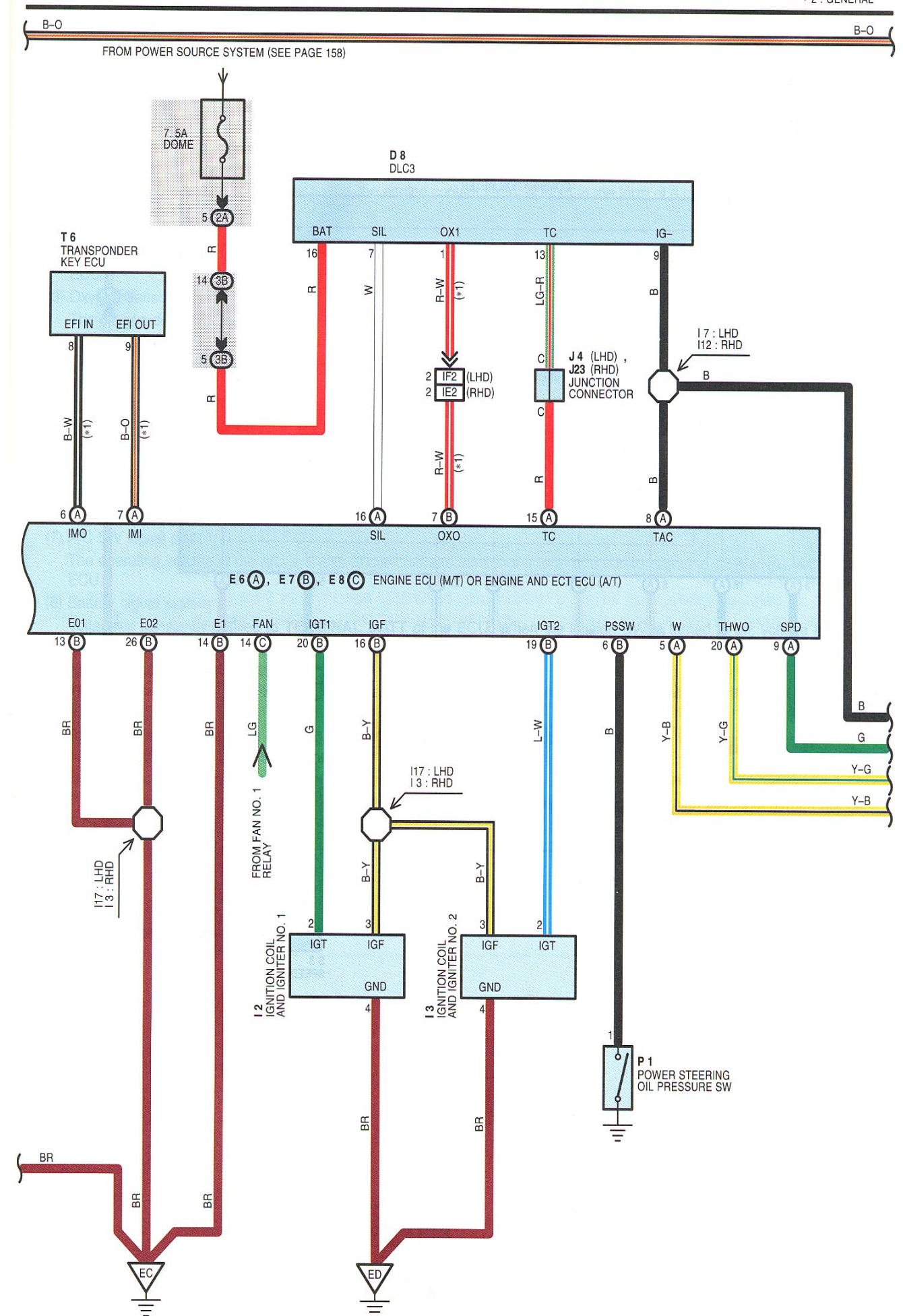
* 1 : EUROPE



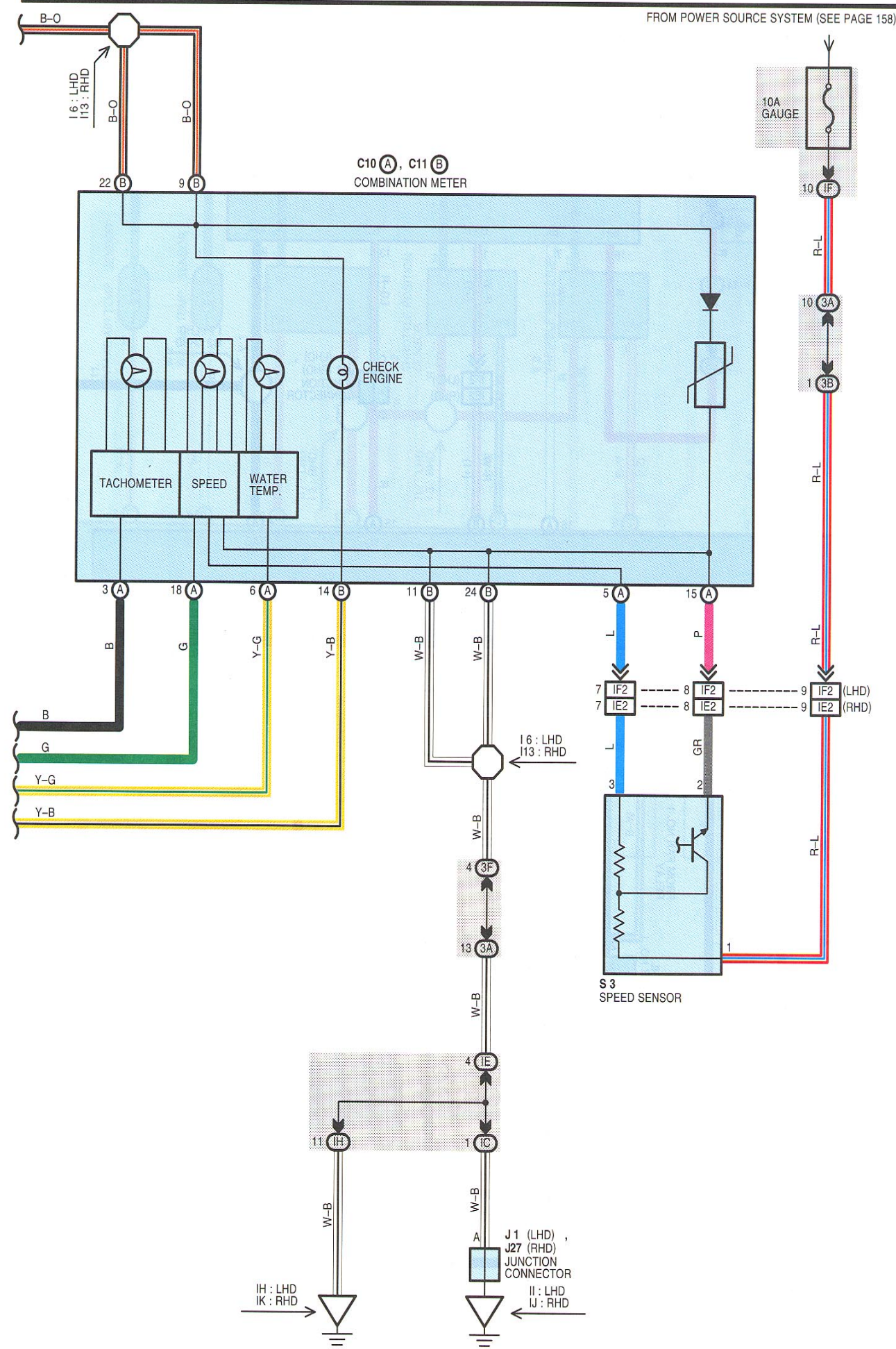
ENGINE CONTROL (3S-FE)



- * 1 : EUROPE
- * 2 : GENERAL



ENGINE CONTROL (3S-FE)



SYSTEM OUTLINE

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

1. INPUT SIGNALS

- (1) Engine coolant 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 engine coolant temp. thus the engine coolant 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 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 is detected by the crankshaft position sensor. Crankshaft position is 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
The speed sensor detects the vehicle speed and inputs a control signal to **TERMINAL SPD** of the ECU via the combination meter.
- (7) 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.
- (8) 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.
- (9) 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.
- (10) STA signal system
To confirm that the engine is cranking, voltage applied to the starter motor during cranking is detected and is input as a control signal to **TERMINAL STA** of the ECU.
- (11) Electrical load signal system
The signal, when systems such as the rear window defogger, taillight, etc. Which cause a high electrical burden are on, is input to **TERMINAL ELS** as a control signal.

2. CONTROL SYSTEM

- * EFI system
The EFI system monitors the engine condition through the signals, which are input from each sensor (Input signals from (1) to (11) etc.). The best fuel injection volume is decided based on this data and the program memorized by the ECU, and the control signal is output to **TERMINALS #10, #20, #30, and #40** of the ECU to operate the injector (Inject the fuel). The EFI system produces control of fuel injection operation by the ECU in response to the 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 circuit opening relay, causing the fuel pump to operate.
- * ESA system
The ESA system monitors the engine conditions using the signals (Input signals (1 to 5, 8, 9)) 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, IGT2** of the ECU. This output controls the igniter to produce the most appropriate ignition timing for the driving conditions.
- * ISC system
The ISC system (Step motor type) 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 ECU evaluates the signals from each sensor (Input signals from 1, 4, 5, 7, 8), current is output to **TERMINALS ISCC and ISCO** to control ISC valve.
- * EGR cut control system
The EGR cut control system controls the VSV (EGR) by evaluating the signals from each sensor input to the ECU (Input signals (1 to 6, 9)) and by sending output to **TERMINAL EGR** of the ECU.
- * 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 to 6, 7), 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 then 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.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE ECU (M/T) OR ENGINE AND ECT ECU (A/T)

- BATT-GROUND : Always **9.0-14.0** volts
- +B-GROUND : **9.0-14.0** volts (Ignition SW at **ON** position)
- VC-GROUND : **4.5-5.5** volts (Ignition SW at **ON** position)
- VTA-GROUND : **0.3-0.8** volts (Ignition SW ON and throttle valve fully closed)
3.2-4.9 volts (Ignition SW ON and throttle valve open)
- PIM-GROUND : **3.3-3.9** volts (Ignition SW at **ON** position)
- THA-GROUND : **0.5-3.4** volts (Ignition SW ON and intake air temp. **20°C, 68°F**)
- THW-GROUND : **0.2-1.0** volts (Ignition SW ON and coolant temp. **80°C, 176°F**)
- STA-GROUND : **6.0-14.0** volts (Engine cranking)
- IGT1-GROUND : **0.8-1.2** volts (Engine cranking or idling)
- IGT2-GROUND : **0.8-1.2** volts (Engine cranking or idling)
- W-GROUND : **9.0-14.0** volts (No trouble and engine running)
- ACT-GROUND : **4.5-5.5** volts (Ignition SW ON and air conditioner ON)
- AC1-GROUND : **0-3.0** volts (Ignition SW ON and air conditioner ON)
- ISCC, ISCO-GROUND : **9.0-14.0** volts (Ignition SW at **ON** position)
- #10, #20, #30, #40-GROUND : **9.0-14.0** volts (Ignition SW at **ON** position)

RESISTANCE OF ECU WIRING CONNECTORS

- (Disconnect wiring connector)
- VTA-GROUND : **3.3-10.0** kΩ (Throttle valve fully open)
0.2-0.8 kΩ (Throttle valve fully closed)
- VC-GROUND : **3.0-7.0** kΩ
- THA-GROUND : **2.0-3.0** kΩ (Intake air temp. **20°C, 68°F**)
- THW-GROUND : **0.2-0.4** kΩ (Coolant temp. **80°C, 176°F**)
- ISCC, ISCO-+B : **19.3-22.3** Ω

C9 CIRCUIT OPENING RELAY

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

EFI RELAY

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

W2 WATER TEMP. SENSOR

- 1-2 : **15.04** kΩ (**-20°C, -4°F**)
5.74 kΩ (**0°C, 32°F**)
2.45 kΩ (**20°C, 68°F**)
1.15 kΩ (**40°C, 104°F**)
0.58 kΩ (**60°C, 140°F**)
0.32 kΩ (**80°C, 176°F**)

I7, I8, I9, I10 INJECTOR NO.1, NO.2, NO.3, NO.4

- 1-2 : Approx. **13.8** Ω

T2 THROTTLE POSITION SENSOR

- VC-E2 : **2.5-5.0** kΩ

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
A13	A	76 (LHD)	F27	84 (LHD W/G)	J9	78 (LHD)
		94 (RHD)		98 (RHD S/D)	J20	96 (RHD)
A15	B	76 (LHD)		100 (RHD L/B)	J21	A 96 (RHD)
		94 (RHD)		102 (RHD W/G)	J22	B 96 (RHD)
C1		66 (LHD 3S-FE)	H8	66 (LHD 3S-FE)	J23	96 (RHD)
		86 (RHD 3S-FE)		86 (RHD 3S-FE)	J27	96 (RHD)
C3		66 (LHD 3S-FE)	I2	66 (LHD 3S-FE)	K1	66 (LHD 3S-FE)
		86 (RHD 3S-FE)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
C9		76 (LHD)	I3	66 (LHD 3S-FE)	N1	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
C10	A	76 (LHD)	I7	66 (LHD 3S-FE)	P1	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
C11	B	76 (LHD)	I8	66 (LHD 3S-FE)	S3	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
D8		76 (LHD)	I9	66 (LHD 3S-FE)	T2	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
E6	A	76 (LHD)	I10	66 (LHD 3S-FE)	T6	78 (LHD)
		94 (RHD)		86 (RHD 3S-FE)		96 (RHD)
E7	B	76 (LHD)	I11	66 (LHD 3S-FE)	V1	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
E8	C	76 (LHD)	I12	66 (LHD 3S-FE)	V2	66 (LHD 3S-FE)
		94 (RHD)		86 (RHD 3S-FE)		86 (RHD 3S-FE)
F22	A	78 (LHD)	I13	78 (LHD)	V5	66 (LHD 3S-FE)
		96 (RHD)		96 (RHD)		86 (RHD 3S-FE)
F23	B	78 (LHD)	J1	78 (LHD)	W2	66 (LHD 3S-FE)
		96 (RHD)	J4	78 (LHD)		86 (RHD 3S-FE)
F27		80 (LHD S/D)	J7	A 78 (LHD)		
		82 (LHD L/B)	J8	B 78 (LHD)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2C		
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	124 (RHD 3S-FE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	124 (RHD 3S-FE)	
EC	104 (LHD 3S-FE)	Behind the Intake Manifold
	124 (RHD 3S-FE)	
ED	104 (LHD 3S-FE)	Engine Block Left Side
	124 (RHD 3S-FE)	
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

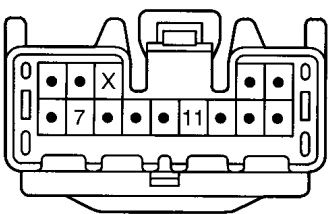
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	I7	116 (LHD)	Cowl Wire
	124 (RHD 3S-FE)		I12	134 (RHD)	
I3	134 (RHD)	Engine Wire	I13	134 (RHD)	
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire

A13 (A) BLACK



A15 (B) ORANGE



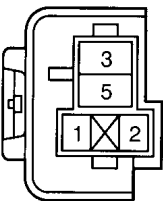
C1 BLACK



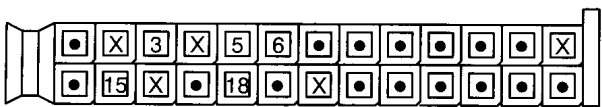
C3 BLACK



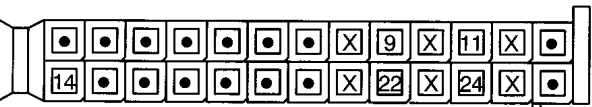
C9



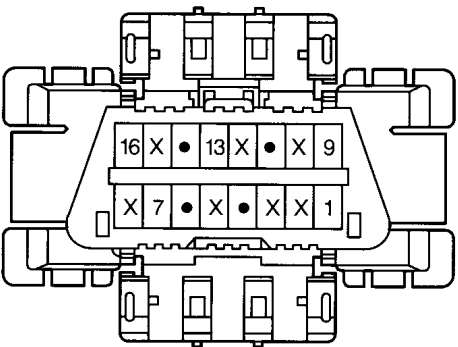
C10 (A) BLACK



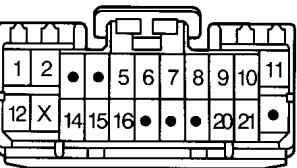
C11 (B) GREEN



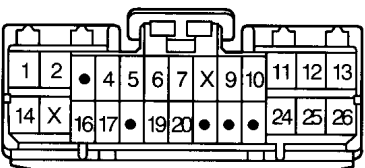
D8



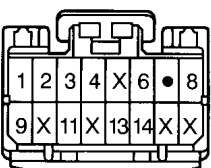
E6 (A)



E7 (B)



E8 (C)



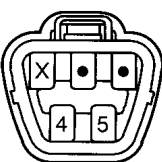
F22 (A)



F23 (B)



F27 DARK GRAY



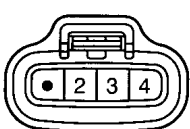
H8 DARK GRAY



I2 GRAY



I3 BLACK



I7 BROWN



I8 GRAY



I9 BROWN



I10 GRAY



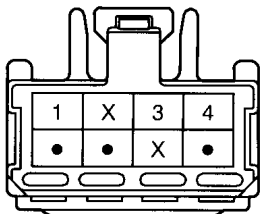
I11 BLACK

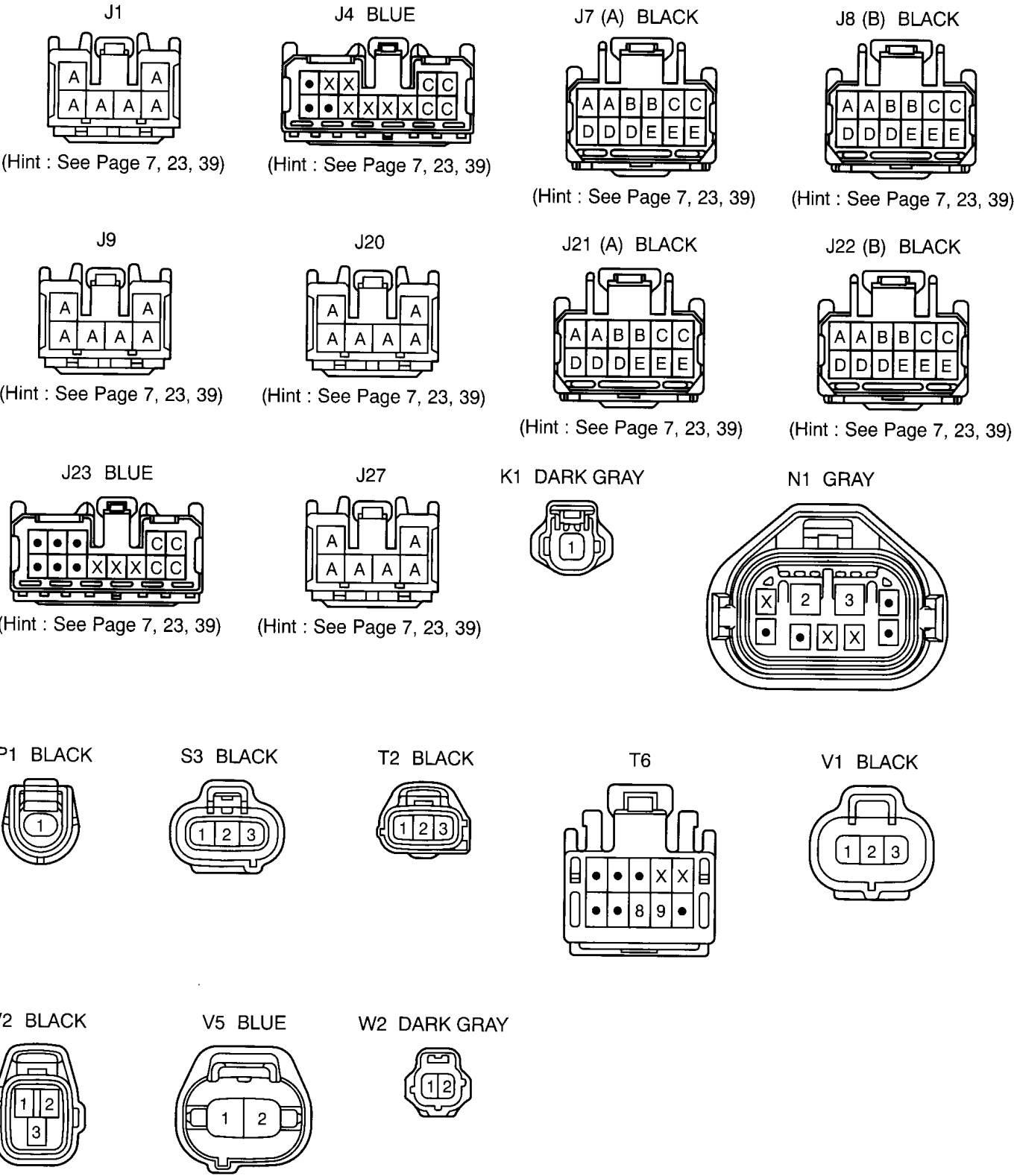


I12 GRAY

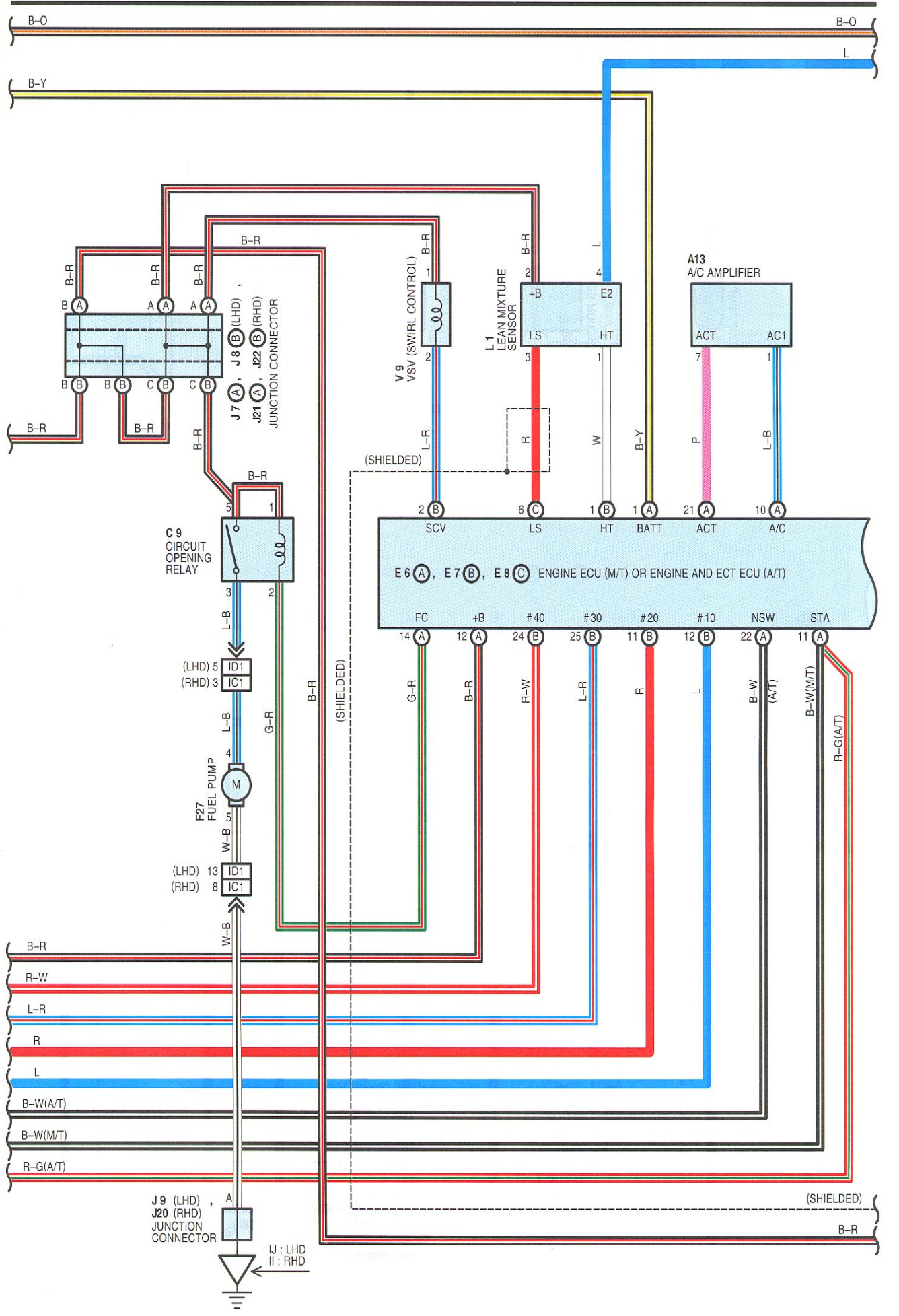
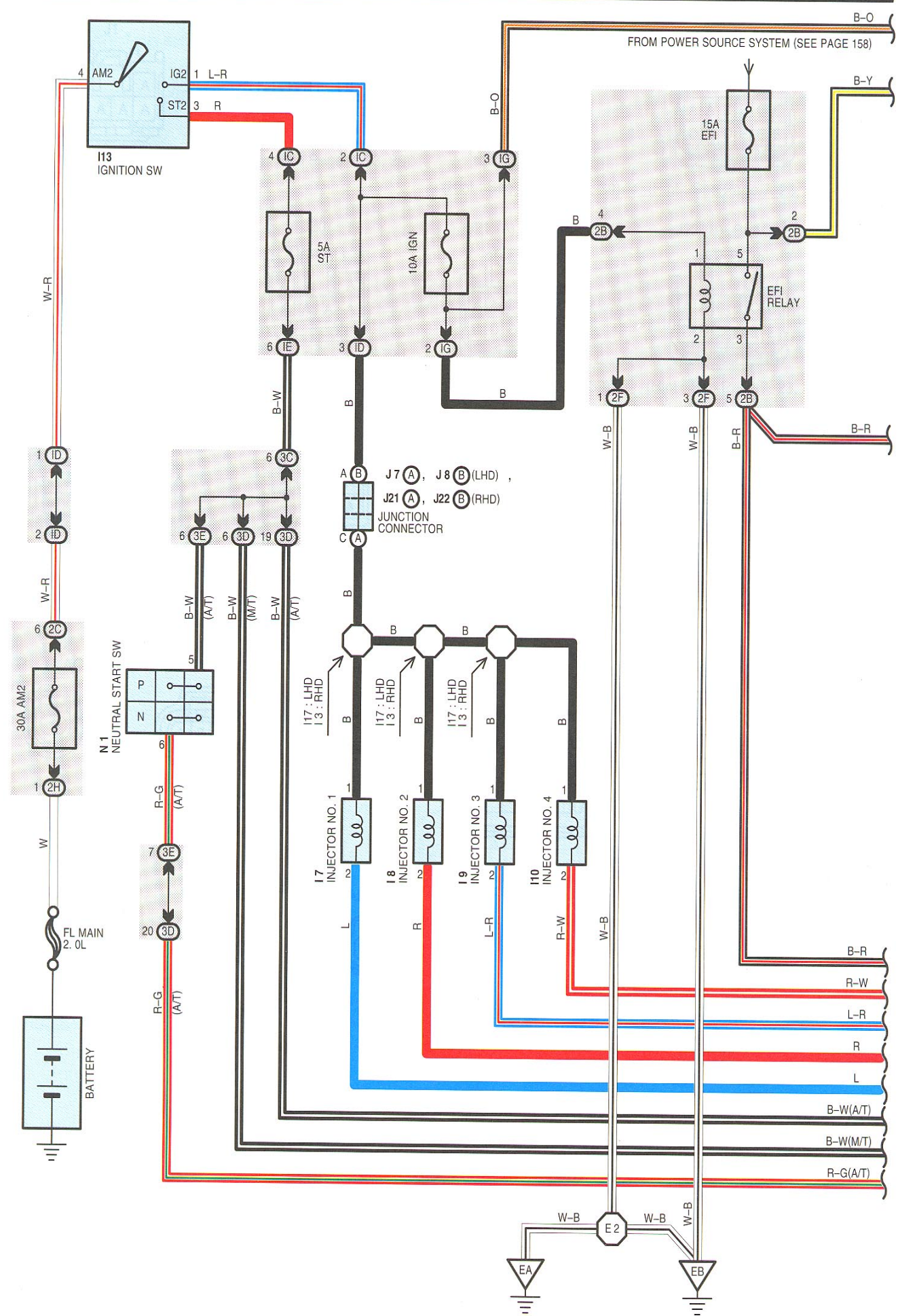


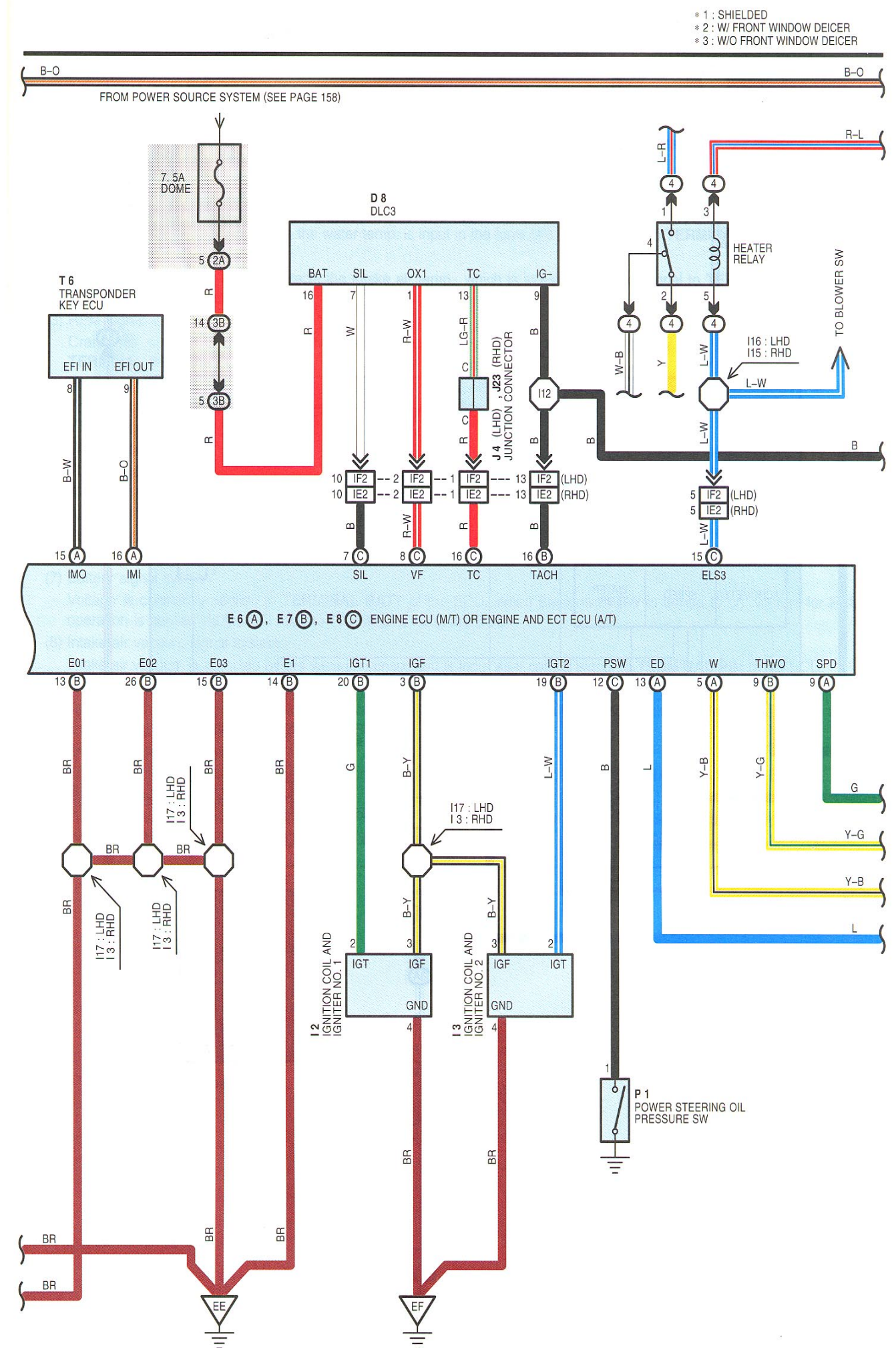
I13





ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN TYPE)



[illegible]

FROM POWER SOURCE SYSTEM (SEE PAGE 158)

16: LHD
113: RHD

R-L

B-O

B-O

C10 (A), C11 (B)
COMBINATION METER

22 (B) 9 (B)

TACHOMETER SPEED WATER TEMP.

CHECK ENGINE

ECONO

3 (A) 18 (A) 6 (A) 14 (B) 23 (A) 11 (B) 24 (B) 5 (A) 15 (A)

B

G

Y-G

Y-B

L

14 IF2 (LHD)
14 IE2 (RHD)

16: LHD
113: RHD

W-B

W-B

W-B

7 IF2
7 IE2

8 IF2
8 IE2

9 IF2 (LHD)
9 IE2 (RHD)

L

P

R-L

S3
SPEED SENSOR

11 (H) 1 (C)

W-B

W-B

J1 (LHD),
J27 (RHD)
JUNCTION
CONNECTOR

11: LHD
113: RHD

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 (11)) 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, #20, #30 and #40** 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 circuit opening relay, causing the fuel pump to operate.

* ESA system

The ESA system monitors the engine conditions using the signals (Input signals (1, 3, 4, 5, 6, 8, 10, 11)) 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, IGT2** of the ECU. This output controls the igniter to produce the most appropriate ignition timing for the driving conditions.

* 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 (3, 4, 5, 6 and 8)), and outputs signals to **TERMINAL ACT**.

* 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 ECU evaluates the signals from each sensor (Input signals from 1, 3, 4, 5, 6, 7, 9, 11), current output to **TERMINAL RSD** to control ISC valve.

* Lean mixture sensor control

The ECU controls operation of the lean mixture sensor according to the **THROTTLE** position, intake manifold pressure, engine speed and coolant temperature signals. (Input signals 1, 3, 4, 8)

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.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE ECU (M/T) OR ENGINE AND ECT ECU (A/T)

Voltage at ECU wiring connectors

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

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

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

VTA-GROUND : **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-GROUND : **3.3-3.9** volts (Ignition SW at **ON** position)

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

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

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

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

IGF-GROUND : Pulse generation (Engine idling)

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

0-3 volts (Engine idling)

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

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

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

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

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

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

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

#10, #20, #30, #40-GROUND : Pulse generation (Engine idling)

NE -NE- : Pulse generation (Engine idling)

RSD-GROUND : Pulse generation (Engine idling)

C9 CIRCUIT OPENING RELAY

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

EFI RELAY

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

W2 WATER TEMP. SENSOR

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

Approx. **5.65** kΩ (**0°C, 32°F**)

Approx. **2.44** kΩ (**20°C, 68°F**)

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

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A13		76 (LHD)	F27		100 (RHD L/B)	J21	A	96 (RHD)
		94 (RHD)			102 (RHD W/G)	J22	B	96 (RHD)
C1		68 (LHD *A)	I2		68 (LHD *A)	J23		96 (RHD)
		88 (RHD *A)			88 (RHD *A)	J27		96 (RHD)
C3		68 (LHD *A)	I3		68 (LHD *A)	K1		68 (LHD *A)
		88 (RHD *A)			88 (RHD *A)			88 (RHD *A)
C9		76 (LHD)	I7		68 (LHD *A)	L1		68 (LHD *A)
		94 (RHD)			88 (RHD *A)			88 (RHD *A)
C10	A	76 (LHD)	I8		68 (LHD *A)	N1		68 (LHD *A)
		94 (RHD)			88 (RHD *A)			88 (RHD *A)
C11	B	76 (LHD)	I9		68 (LHD *A)	P1		68 (LHD *A)
		94 (RHD)			88 (RHD *A)			88 (RHD *A)
D5		76 (LHD)	I10		68 (LHD *A)	S3		68 (LHD *A)
		94 (RHD)			88 (RHD *A)			88 (RHD *A)
D8		76 (LHD)	I11		68 (LHD *A)	T2		68 (LHD *A)
		94 (RHD)			88 (RHD *A)			88 (RHD *A)
E6	A	76 (LHD)	I12		68 (LHD *A)	T6		78 (LHD)
		94 (RHD)			88 (RHD *A)			96 (RHD)
E7	B	76 (LHD)	I13		78 (LHD)	V1		68 (LHD *A)
		94 (RHD)			96 (RHD)			88 (RHD *A)
E8	C	76 (LHD)	J1		78 (LHD)	V9		68 (LHD *A)
		94 (RHD)	J4		78 (LHD)			88 (RHD *A)
F27		80 (LHD S/D)	J7	A	78 (LHD)	W2		68 (LHD *A)
		82 (LHD L/B)	J8	B	78 (LHD)			88 (RHD *A)
		84 (LHD W/G)	J9		78 (LHD)			
		98 (RHD S/D)	J20		96 (RHD)			

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* A : 7A-FE, 4A-FE Lean Burn Type

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2C		
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	

▽ : GROUND POINTS

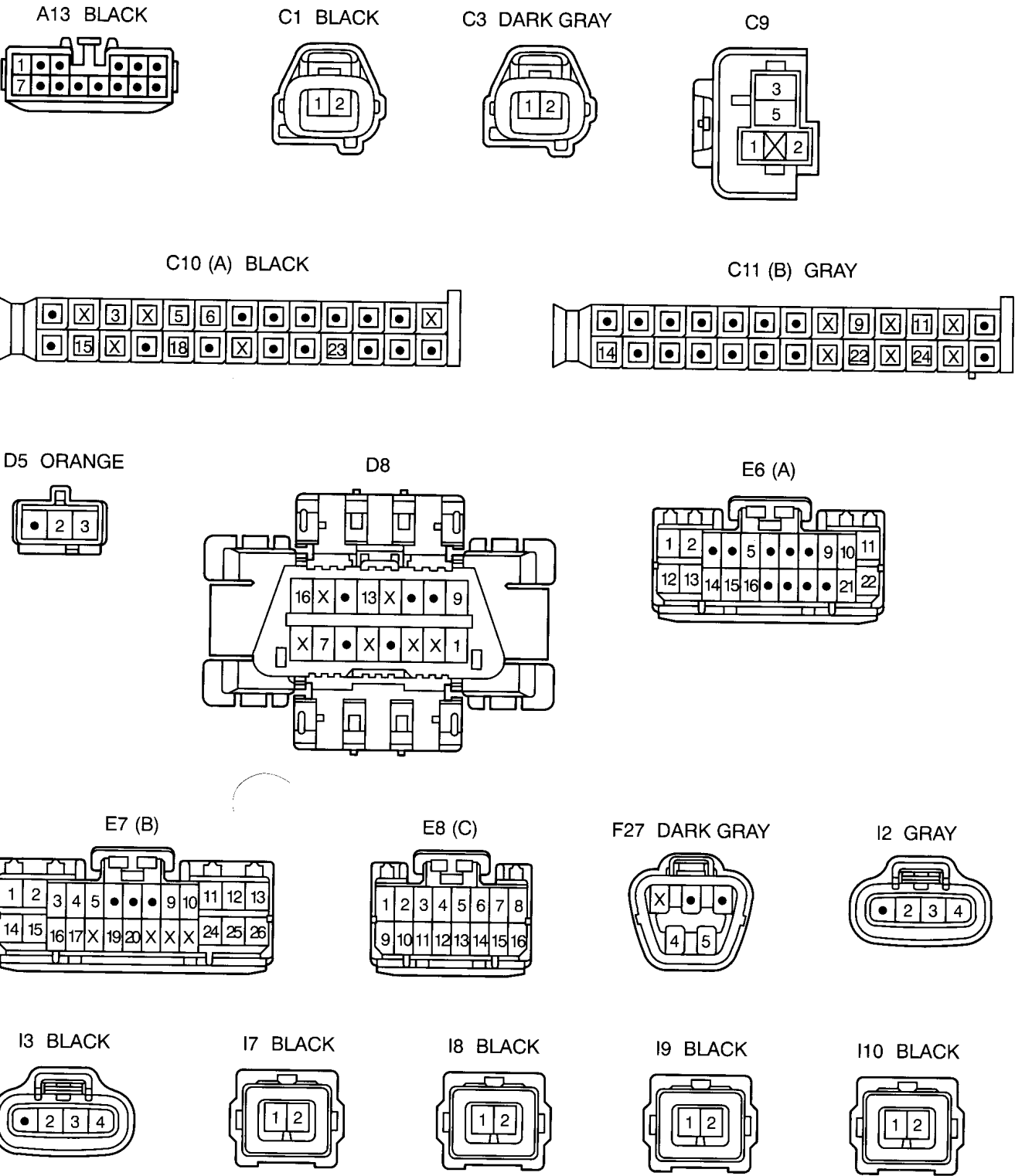
Code	See Page	Ground Points Location
EA	106 (LHD *A)	Under the Headlight RH
	126 (RHD *A)	
EB	106 (LHD *A)	Under the Headlight LH
	126 (RHD *A)	
EE	106 (LHD *A)	Under the Intake Manifold
	126 (RHD *A)	
EF	106 (LHD *A)	Near the Throttle Body
	126 (RHD *A)	
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN TYPE)

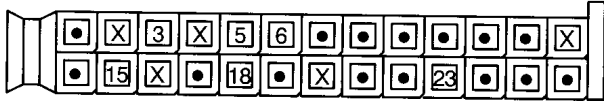
 : SPLICE POINTS

* A : 7A-FE, 4A-FE Lean Burn Type

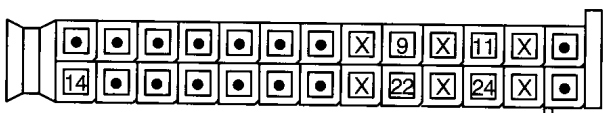
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	106 (LHD *A)	Engine Room Main Wire	I12	134 (RHD)	Cowl Wire
	126 (RHD *A)		I13		
I3	134 (RHD)	Engine Wire	I15	134 (RHD)	Instrument Panel Wire
I6	116 (LHD)	Cowl Wire	I16	116 (LHD)	Cowl Wire
I12			I17	116 (LHD)	Engine Wire



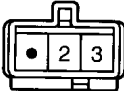
C10 (A) BLACK



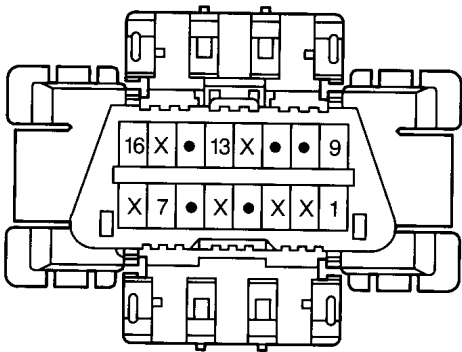
C11 (B) GRAY



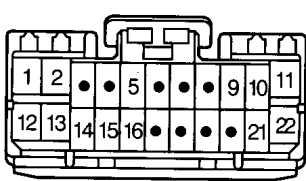
D5 ORANGE



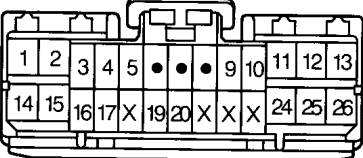
D8



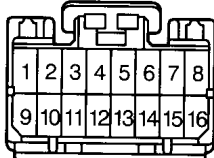
E6 (A)



E7 (B)



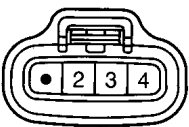
E8 (C)



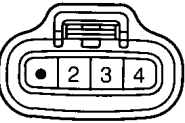
F27 DARK GRAY



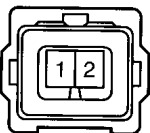
I2 GRAY



I3 BLACK



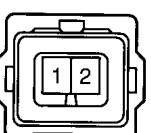
I7 BLACK



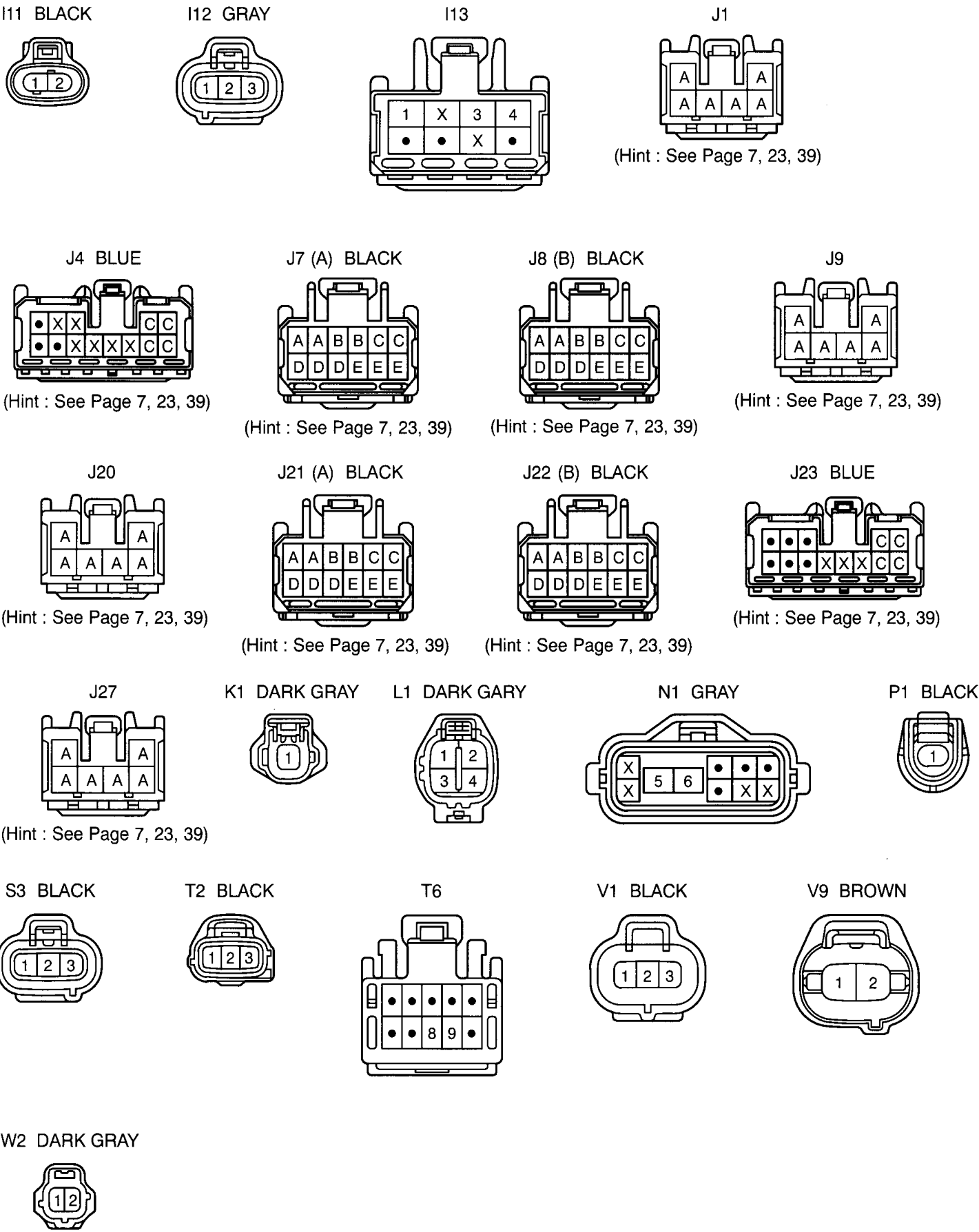
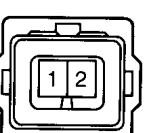
I8 BLACK



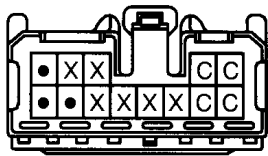
I9 BLACK



I10 BLACK

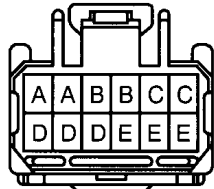


J4 BLUE



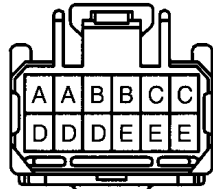
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



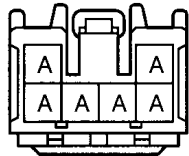
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



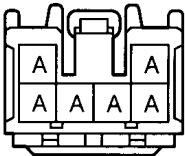
(Hint : See Page 7, 23, 39)

J9



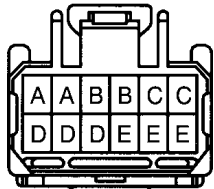
(Hint : See Page 7, 23, 39)

J20



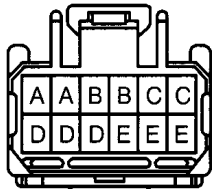
(Hint : See Page 7, 23, 39)

J21 (A) BLACK



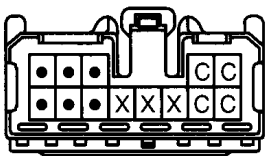
(Hint : See Page 7, 23, 39)

J22 (B) BLACK



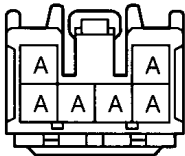
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

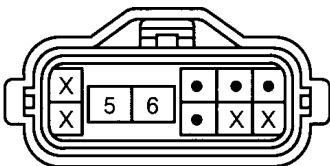
K1 DARK GRAY



L1 DARK GRAY



N1 GRAY



P1 BLACK



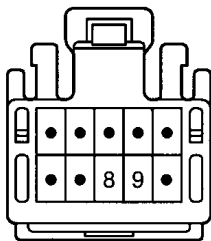
S3 BLACK



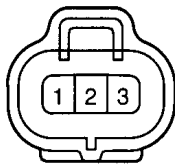
T2 BLACK



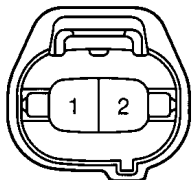
T6



V1 BLACK



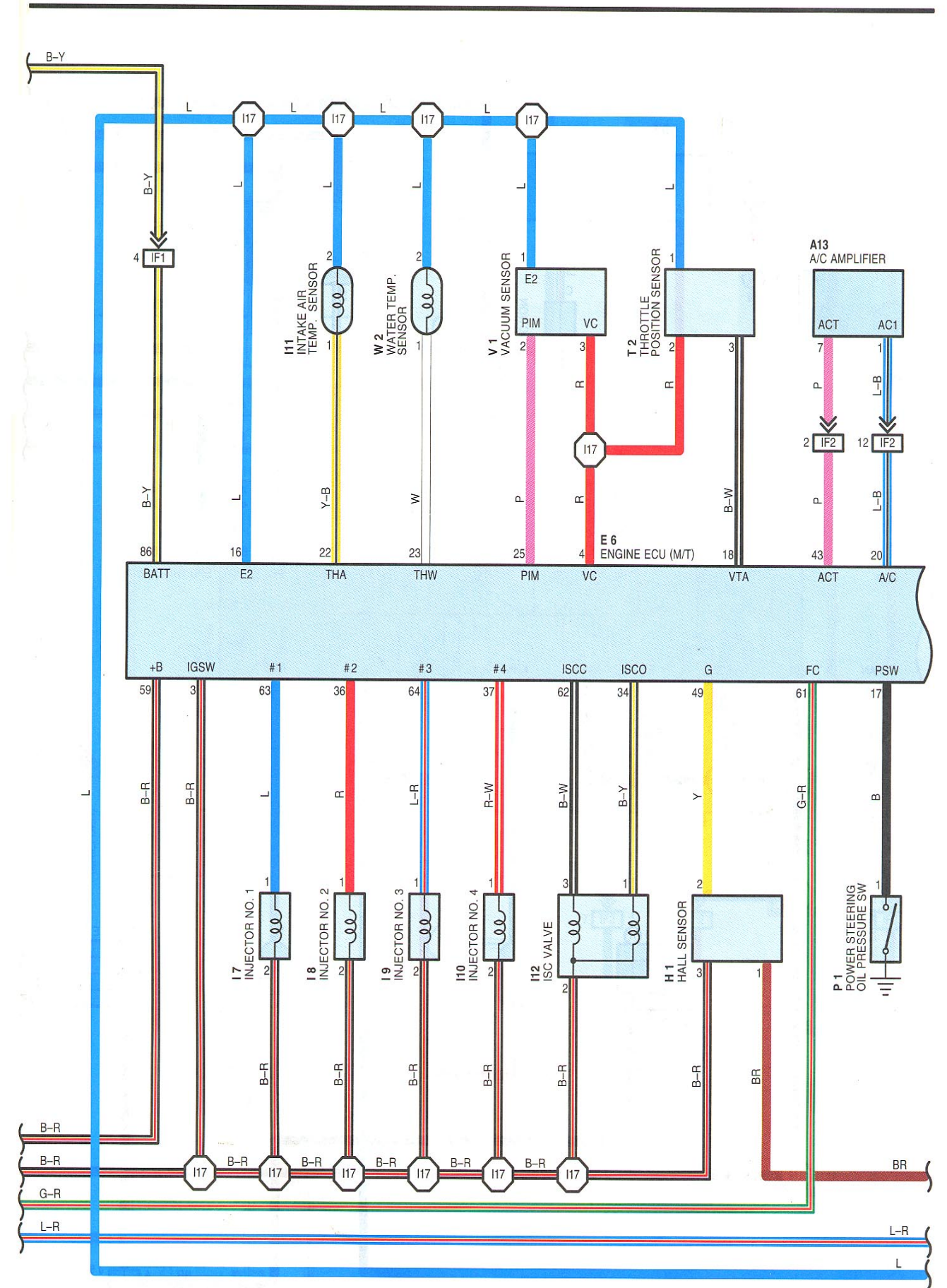
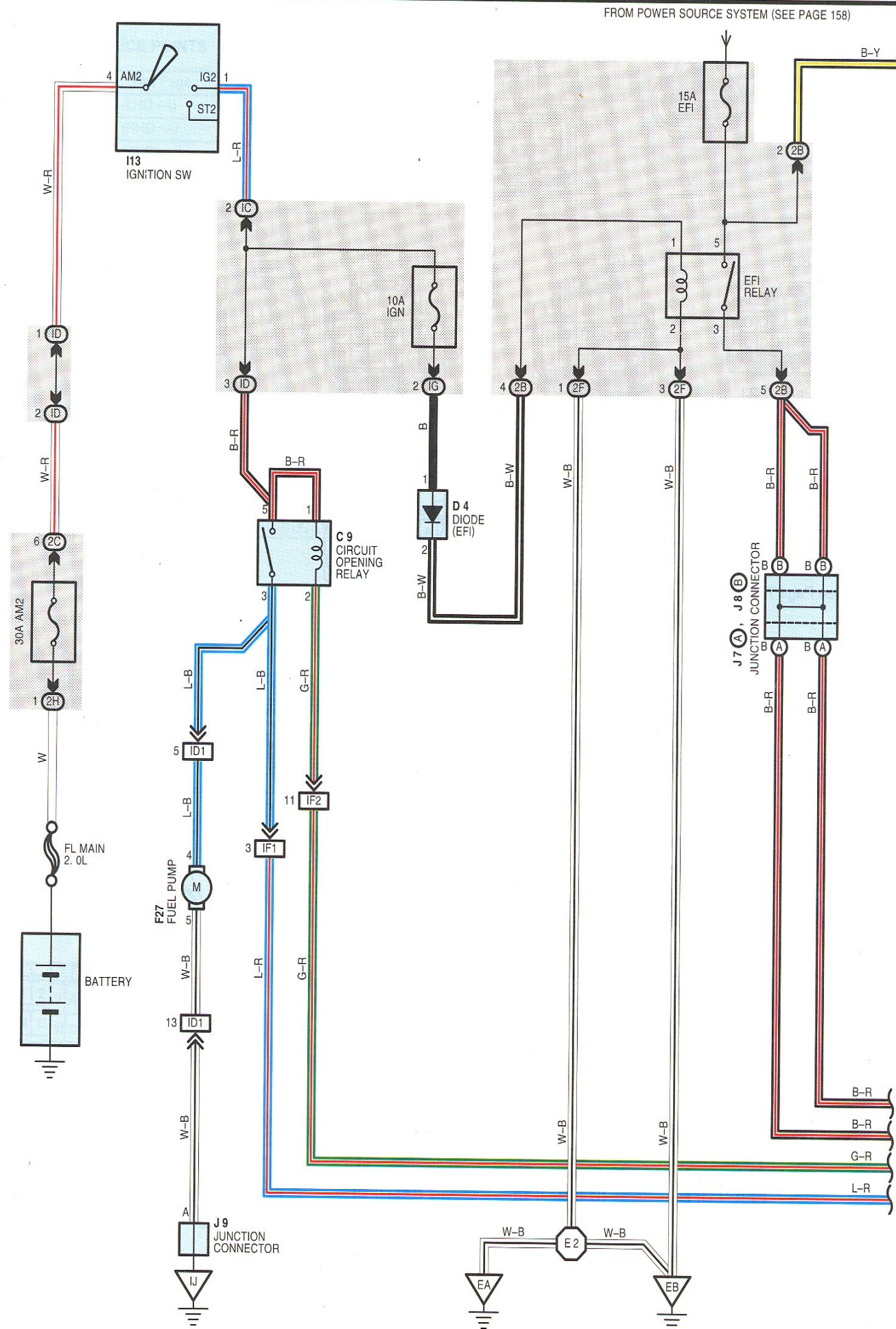
V9 BROWN



W2 DARK GRAY

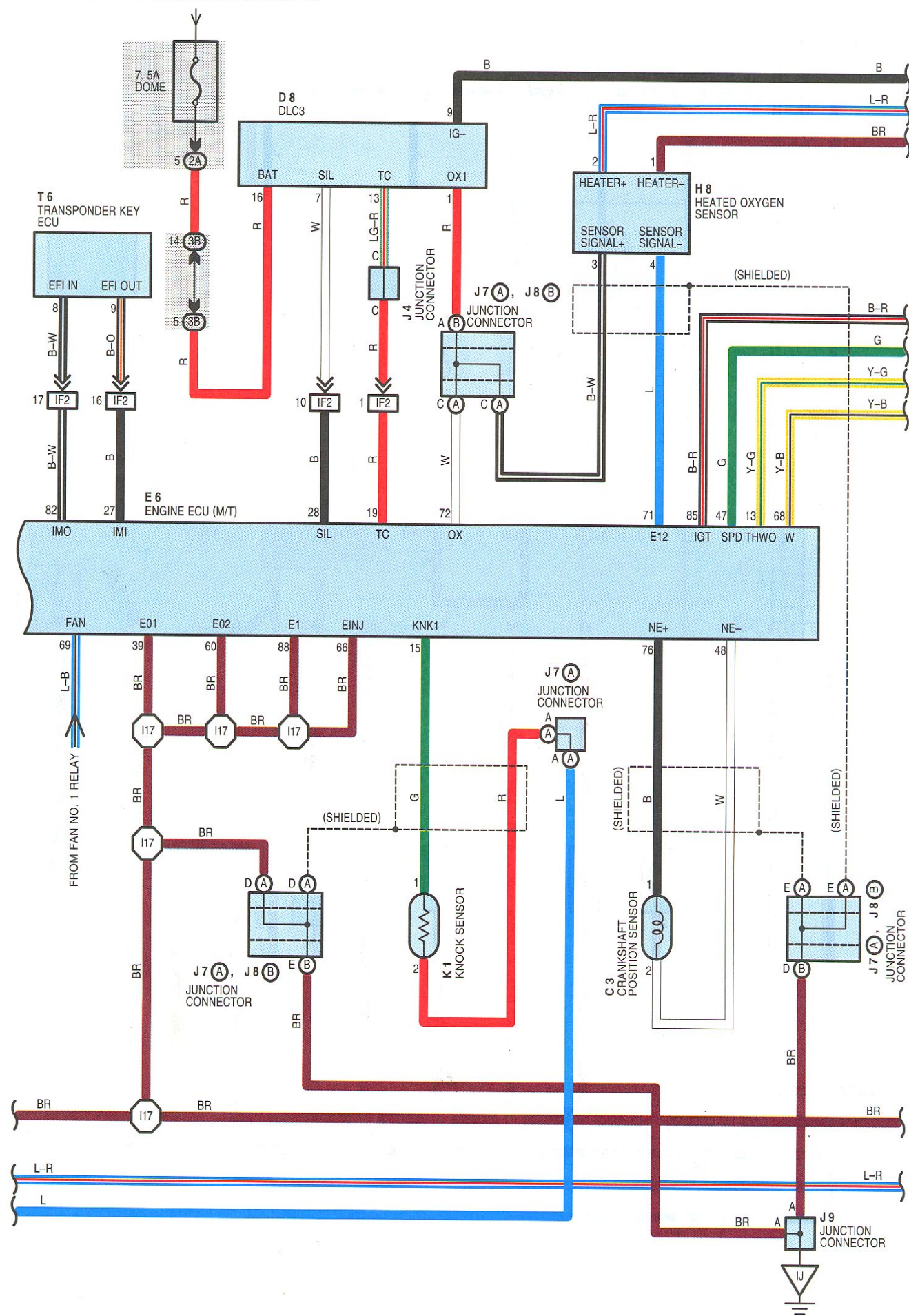


ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)

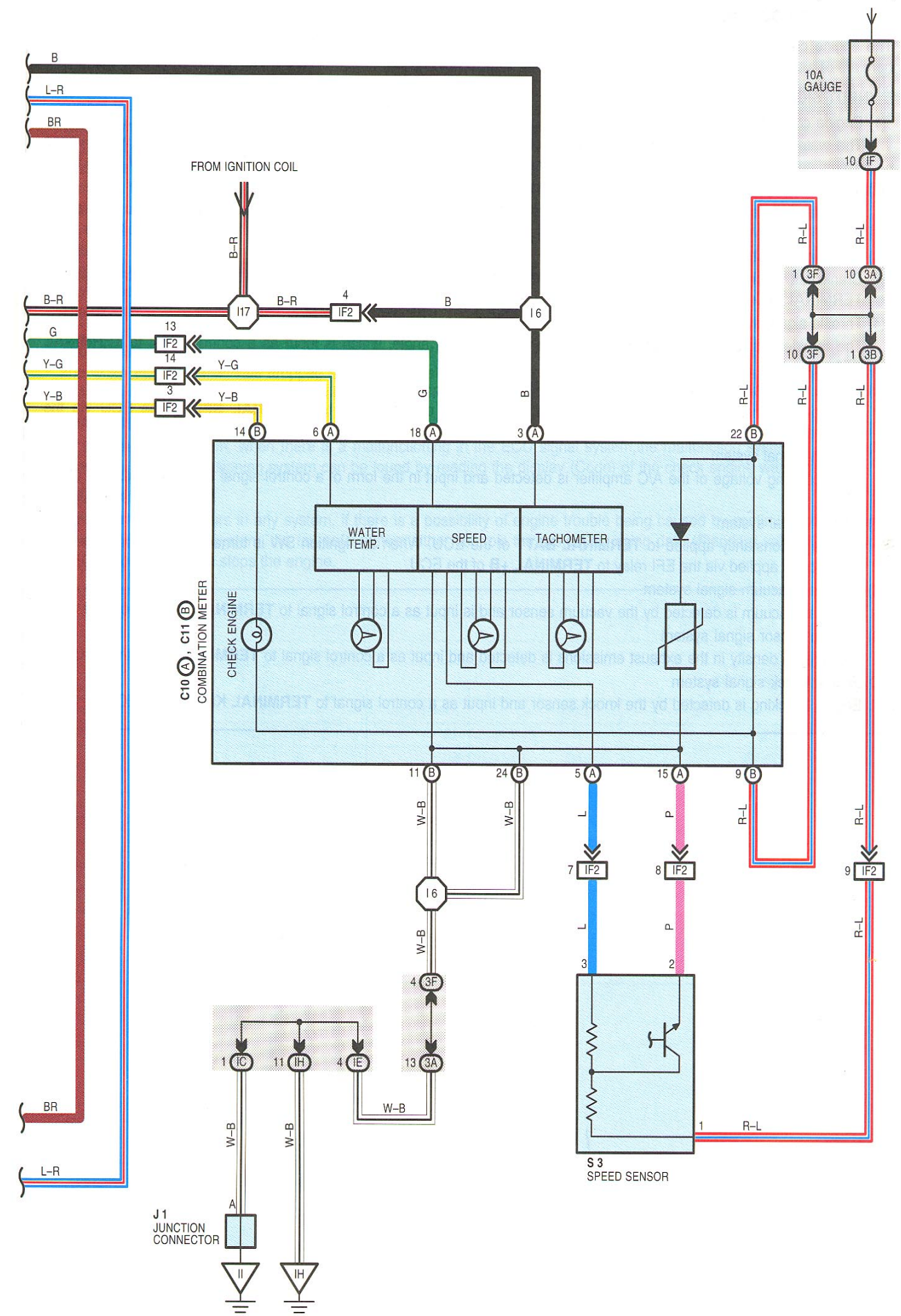


ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



FROM POWER SOURCE SYSTEM (SEE PAGE 158)



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) Engine coolant 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 positions detected by the crankshaft position sensor. Crankshaft position is input as a control signal to **TERMINAL NE+** of the ECU.

(4) 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.

(5) Vehicle speed signal system

The speed sensor detects the vehicle speed and input a control signal to **TERMINAL SPD** of the ECU via the combination meter.

(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 A/C** 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 EFI relay to **TERMINAL +B** of the ECU.

(8) 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.

(9) 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.

(10) 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 (10)) 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 #1, #2, #3 and #4** 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.

* 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 (3, 4, 5, 6 and 8)), and outputs signals to **TERMINAL ACT**.

* Oxygen sensor heater control system

The oxygen sensor heater is powered when the ignition SW is turned on.

* ISC system

The ISC system (Step motor type) 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 ECU evaluates the signals from each sensor (Input signals from 1, 3, 4, 6, 7), current is output to **TERMINALS ISCC** and **ISCO** to controls the ISC valve.

3. DIAGNOSIS SYSTEM

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

4. FAIL-SAFE SYSTEM

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

ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)

SERVICE HINTS

E6 ENGINE ECU

Voltage at ECU wiring connectors

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

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

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

VTA-GROUND : **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-GROUND : **3.3-3.9** volts (Ignition SW at **ON** position)

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

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

FC-GROUND : **9-14** volts (Ignition SW on and engine stopping)
0-3 volts (Engine idling)

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

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

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

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

ISCO-GROUND : Pulse generation (Engine idling)

#1, #2, #3, #4-GROUND : Pulse generation (Engine idling)

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

C9 CIRCUIT OPENING RELAY

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

EFI RELAY

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

W2 WATER TEMP. SENSOR

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

Approx. **5.65** k Ω (**0°C, 32°F**)

Approx. **2.44** k Ω (**20°C, 68°F**)

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A13	76 (LHD)	H1	70 (LHD *B)	J7	A 78 (LHD)
C3	70 (LHD *B)	H8	70 (LHD *B)	J8	B 78 (LHD)
C9	76 (LHD)	I7	70 (LHD *B)	J9	78 (LHD)
C10	A 76 (LHD)	I8	70 (LHD *B)	K1	70 (LHD *B)
C11	B 76 (LHD)	I9	70 (LHD *B)	P1	70 (LHD *B)
D4	76 (LHD)	I10	70 (LHD *B)	S3	70 (LHD *B)
D8	76 (LHD)	I11	70 (LHD *B)	T2	70 (LHD *B)
E6	76 (LHD)	I12	70 (LHD *B)	T6	78 (LHD)
F27	80 (LHD S/D)	I13	78 (LHD)	V1	70 (LHD *B)
	82 (LHD L/B)	J1	78 (LHD)	W2	70 (LHD *B)
	84 (LHD W/G)	J4	78 (LHD)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* B : 4A-FE Stoichiometric Type

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2C		
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3B		
3F	61 (LHD)	

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2		

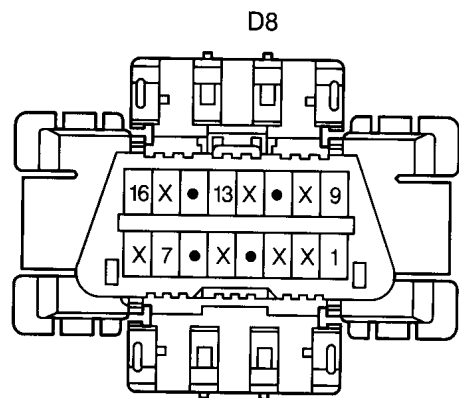
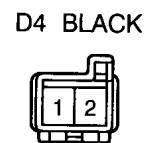
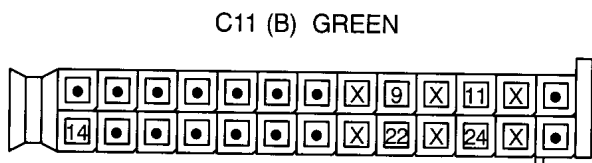
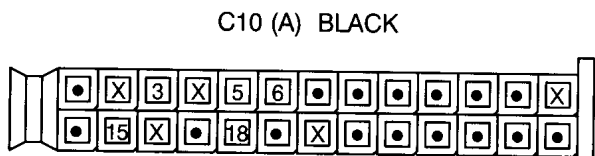
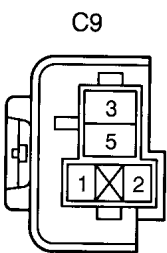
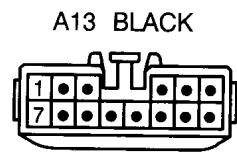
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD *B)	Under the Headlight RH
EB	108 (LHD *B)	Under the Headlight LH
IH	114 (LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel

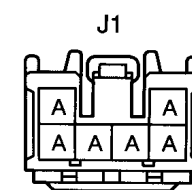
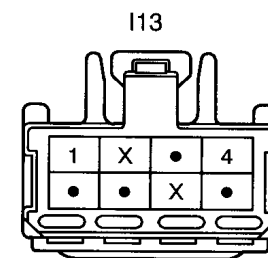
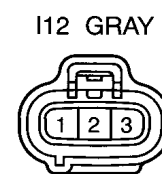
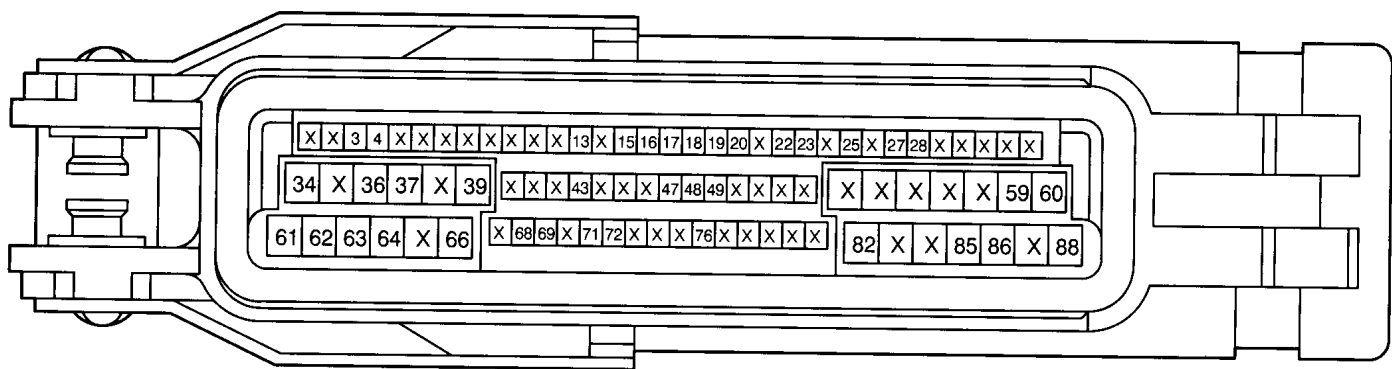
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	108 (LHD *B)	Engine Room Main Wire	I17	116 (LHD)	Engine Wire
I6	116 (LHD)	Cowl Wire			

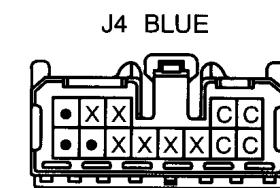
ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)



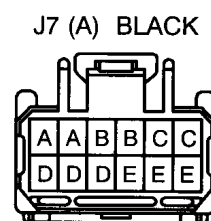
E6 BLACK



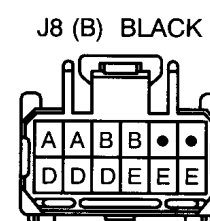
(Hint : See Page 7, 23, 39)



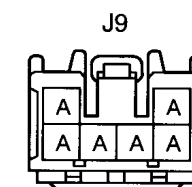
(Hint : See Page 7, 23, 39)



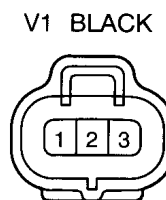
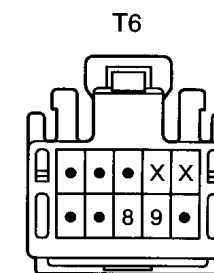
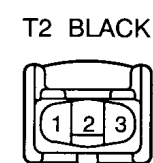
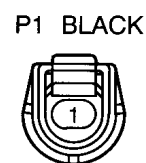
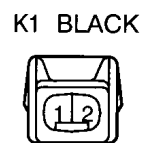
(Hint : See Page 7, 23, 39)



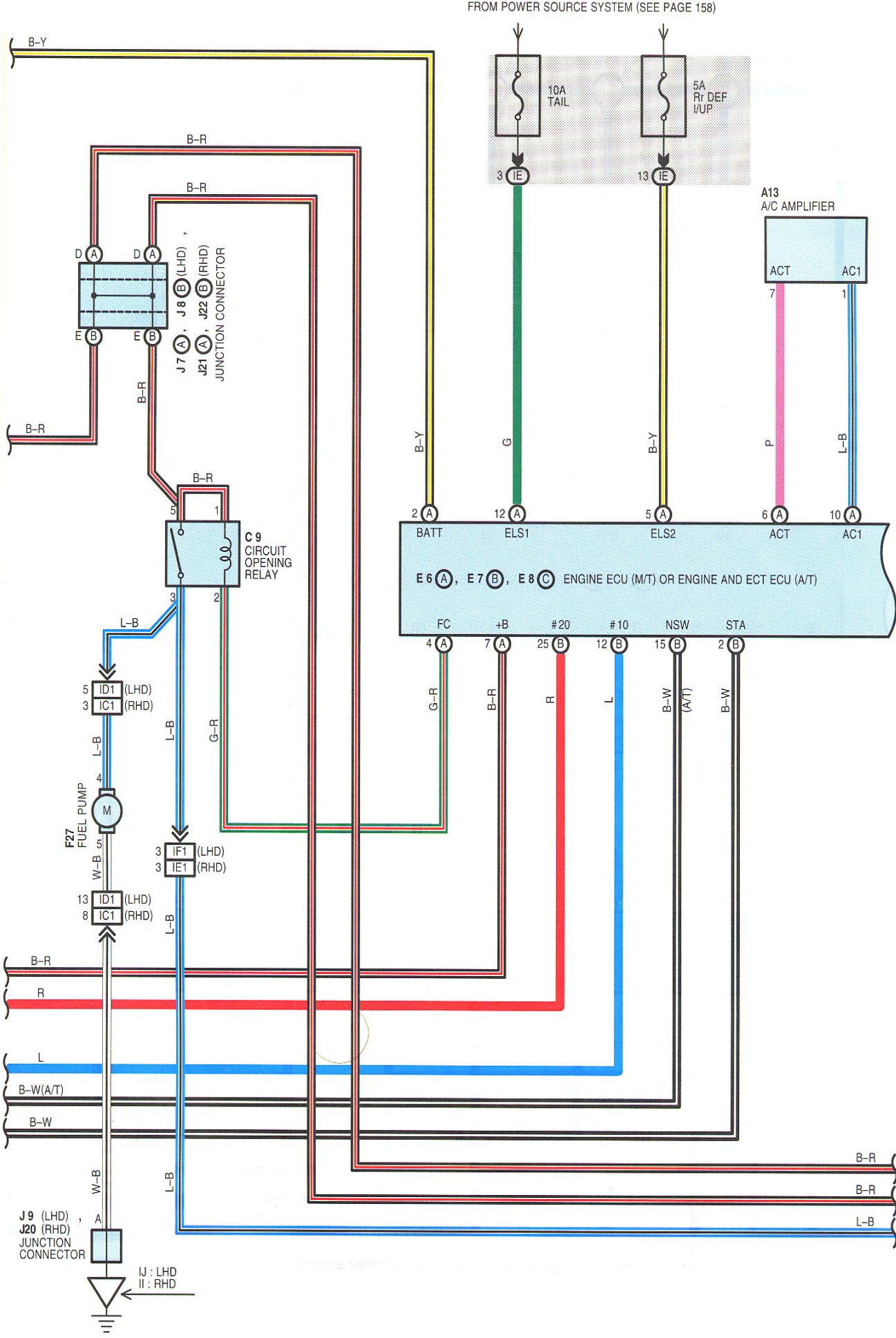
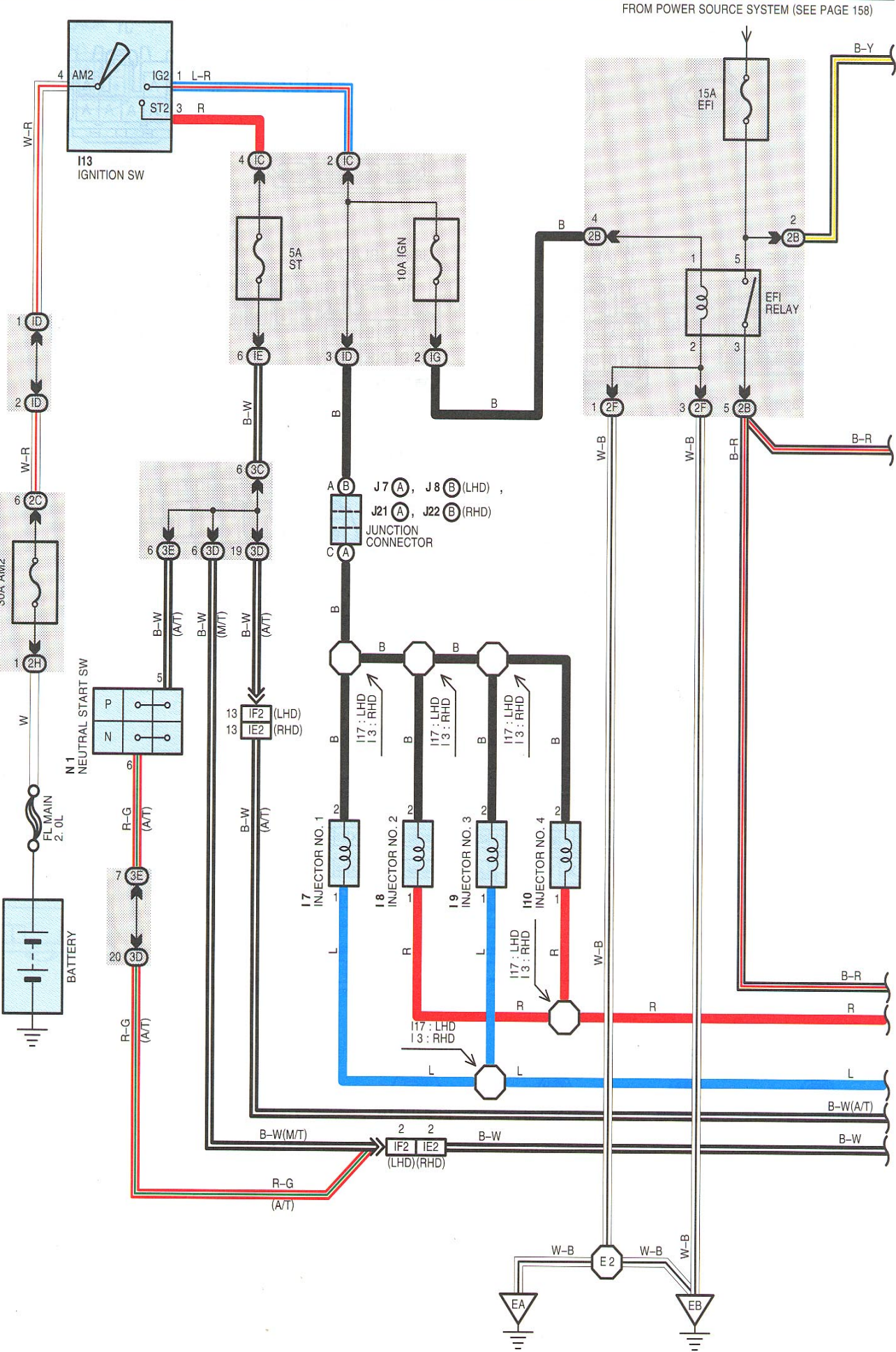
(Hint : See Page 7, 23, 39)



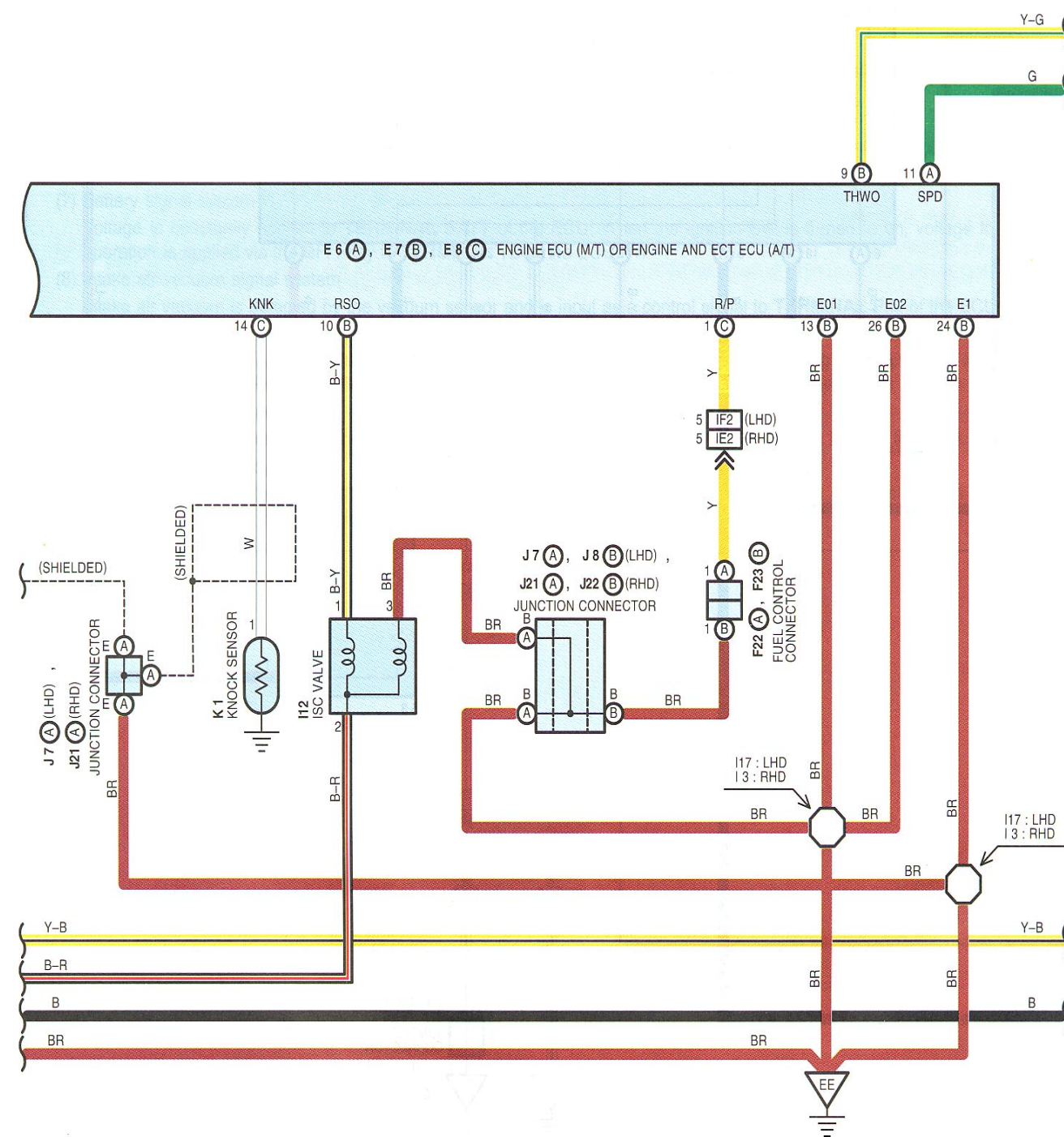
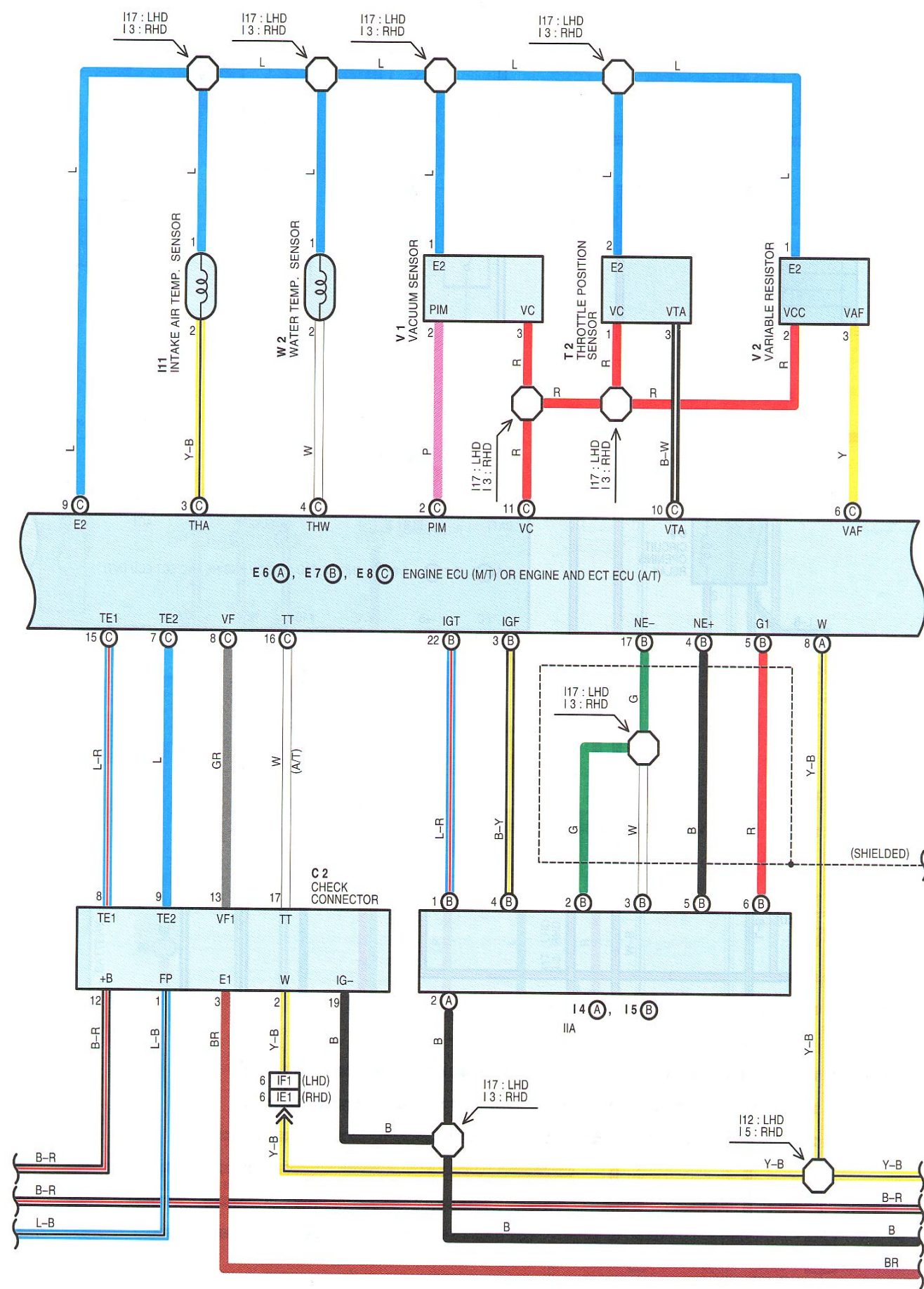
(Hint : See Page 7, 23, 39)

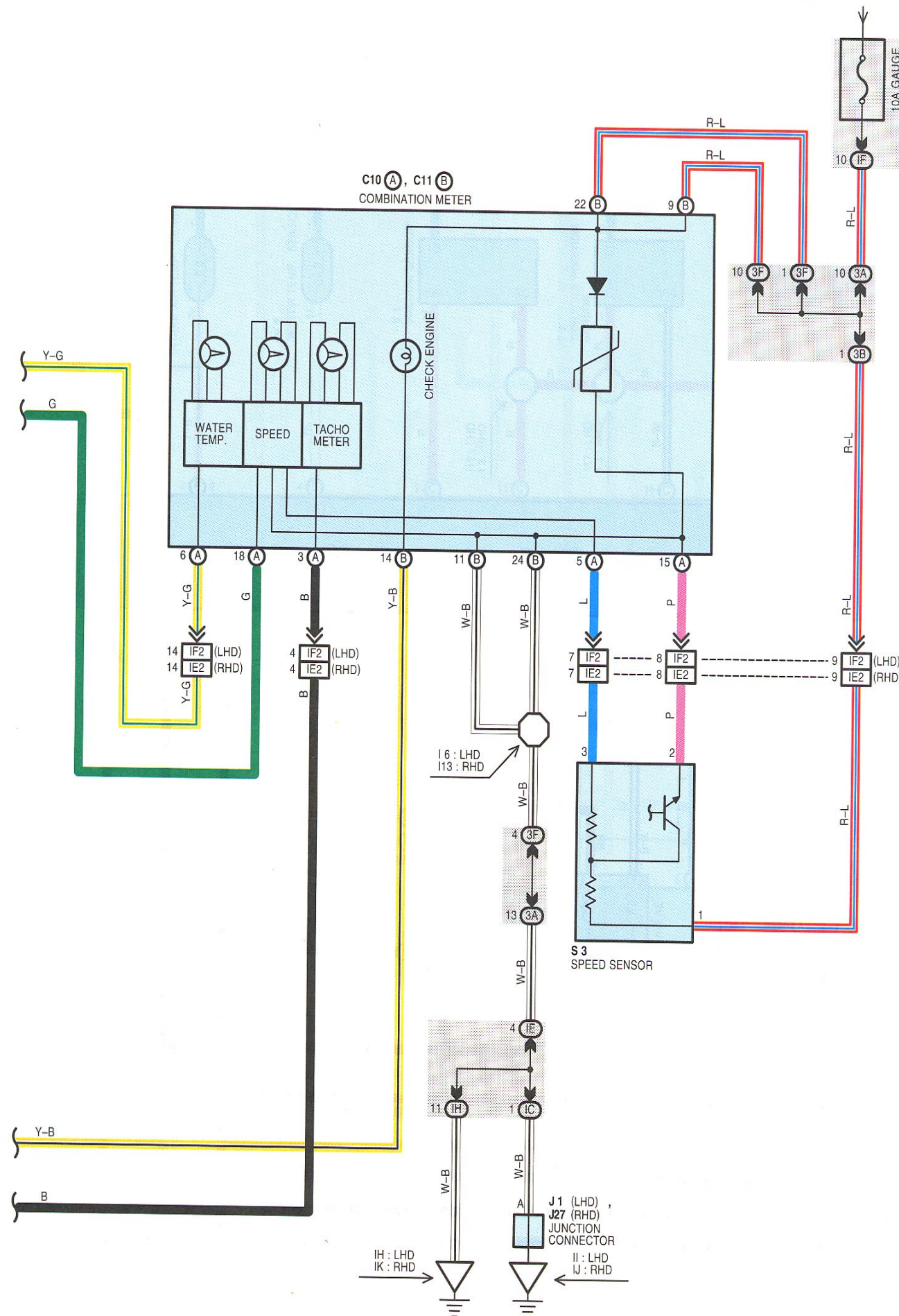


ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)



ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)





SYSTEM OUTLINE

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

1. INPUT SIGNALS

- (1) Engine coolant 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 engine RPM are detected by the pick-up coil installed inside the IIA. Crankshaft position is input as a control signal to **TERMINAL G1** 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 VTA** of the ECU.
- (5) Vehicle speed signal system
The speed sensor detects the vehicle speed and input a control signal to **TERMINAL SPD** of the ECU via the combination meter.
- (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 A/C1** 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 EFI relay to **TERMINAL +B** of the ECU.
- (8) 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.
- (9) 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.
- (10) Engine knock signal system
Engine knocking is detected by the knock sensor and input as a control signal to **TERMINAL KNK** of the ECU.
- (11) 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 ELS1** 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 (11)) 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 circuit opening relay, causing the fuel pump to operate.
- * ESA system
The ESA system monitors the engine conditions using the signals (Input signals (1, 3, 4, 5, 6, 9, 11)) 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 (M/T) or engine and ECT ECU (A/T) evaluates the signals from each sensor (Input signals from 1, 3, 4, 5, 6, 9, 11), current is output to **TERMINAL RSO** 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.
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 (3, 4, 5, 6 and 8)), 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.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE ECU (M/T) OR ENGINE AND ECT ECU (A/T)

- Voltage at ECU wiring connectors
- BATT-GROUND : Always **9-14** volts
 - +B-GROUND : **9-14** volts (Ignition SW at **ON** position)
 - VC-GROUND : **4.5-5.5** volts (Ignition SW at **ON** position)
 - VTA-GROUND : **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-GROUND : **3.3-3.9** volts (Ignition SW at **ON** position)
 - THA-GROUND : **0.5-3.4** volts (Engine idling and intake air temp. **0-80°C, 32-176°F**)
 - THW-GROUND : **0.2-1.0** volts (Engine idling and engine coolant temp. **60-120°C, 140-248°F**)
 - STA-GROUND : **6-14** volts (Engine cranking)
 - IGT-GROUND : Pulse generation (Engine idling)
 - IGF-GROUND : Pulse generation (Engine idling)
 - FC-GROUND : **9-14** volts (Ignition SW on and engine stopping)
 : **0-3** volts (Engine idling)
 - W-GROUND : **9-14** volts (Engine idling and warning light off)
 - AC1-GROUND : **9-14** volts (Ignition SW on and A/C SW off)
 - ACT-GROUND : **4.5-5.5** volts (Ignition SW on and A/C SW on)
 - SPD-GROUND : Pulse generation (Driving approx. **20** km/h)
 - RSO-GROUND : Pulse generation (Engine idling)
 - ELS1-GROUND : **7.5-14** volts (Ignition SW on and taillight on)
 - ELS2-GROUND : **7.5-14** volts (Ignition SW on and rear window defogger on)
 - NSW-GROUND : **0-3** volts (Engine idling)
 - #10,#20-GROUND : Pulse generation (Engine idling)
 - NE+ -NE- : Pulse generation (Engine idling)

C9 CIRCUIT OPENING RELAY

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

EFI RELAY

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

W2 WATER TEMP. SENSOR

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

ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)

○ : PARTS LOCATION

Code		See Page		Code		See Page		Code		See Page	
A13		76 (LHD)		F27		84 (LHD W/G)		J1		78 (LHD)	
		94 (RHD)				98 (RHD S/D)		J7	A	78 (LHD)	
C2		70 (LHD *B)				100 (RHD L/B)		J8	B	78 (LHD)	
		90 (RHD *B)				102 (RHD W/G)		J9		78 (LHD)	
C9		76 (LHD)		I4	A	70 (LHD *B)		J20		96 (RHD)	
		94 (RHD)				90 (RHD *B)		J21	A	96 (RHD)	
C10	A	76 (LHD)		I5	B	70 (LHD *B)		J22	B	96 (RHD)	
		94 (RHD)				90 (RHD *B)		J27		96 (RHD)	
C11	B	76 (LHD)		I7		70 (LHD *B)		K1		70 (LHD *B)	
		94 (RHD)				90 (RHD *B)				90 (RHD *B)	
E6	A	76 (LHD)		I8		70 (LHD *B)		N1		70 (LHD *B)	
		94 (RHD)				90 (RHD *B)		S3		70 (LHD *B)	
E7	B	76 (LHD)		I9		70 (LHD *B)				T2	
		94 (RHD)				90 (RHD *B)		70 (LHD *B)			
E8	C	76 (LHD)		I10		70 (LHD *B)		V1		90 (RHD *B)	
		94 (RHD)				90 (RHD *B)				70 (LHD *B)	
F22	A	78 (LHD)		I11		70 (LHD *B)		V2		90 (RHD *B)	
		96 (RHD)				90 (RHD *B)				70 (LHD *B)	
F23	B	78 (LHD)		I12		70 (LHD *B)		W2		90 (RHD *B)	
		96 (RHD)				90 (RHD *B)				70 (LHD *B)	
F27		80 (LHD S/D)		I13		78 (LHD)				90 (RHD *B)	
		82 (LHD L/B)				96 (RHD)					

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Gasoline)	
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

* B : 4A-FE Stoichiometric Type

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

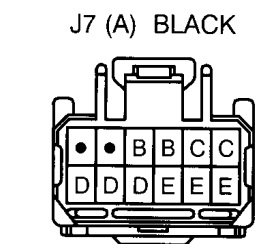
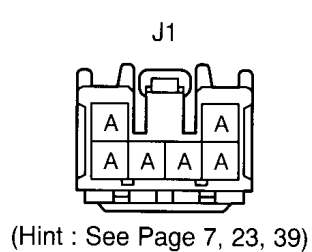
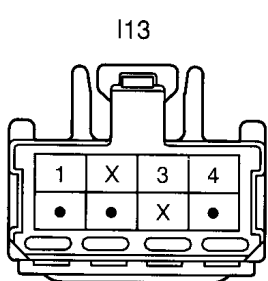
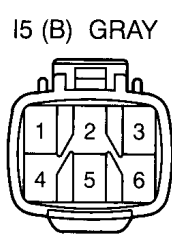
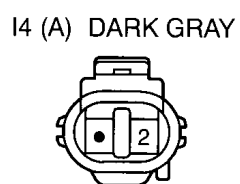
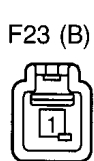
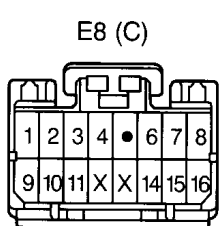
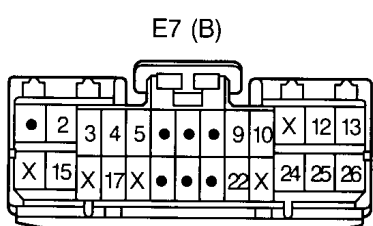
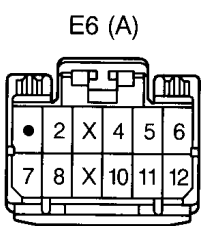
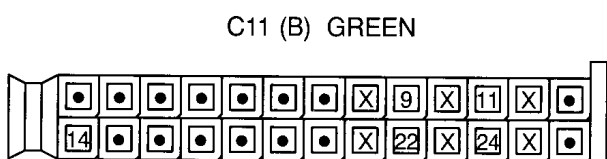
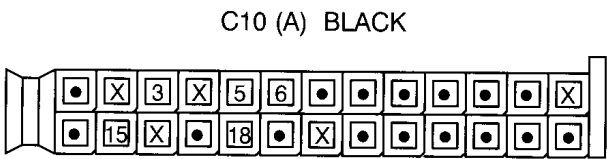
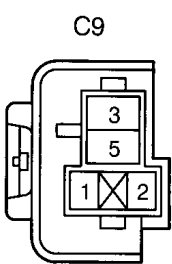
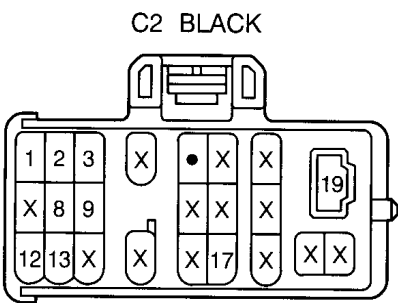
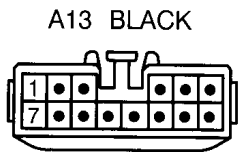
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD *B)	Under the Headlight RH
	128 (RHD *B)	
EB	108 (LHD *B)	Under the Headlight LH
	128 (RHD *B)	
EE	108 (LHD *B)	Under the Intake Manifold
	128 (RHD *B)	
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

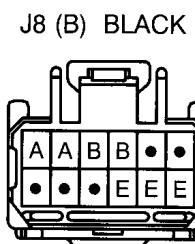
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	108 (LHD *B)	Engine Room Main Wire	I6	116 (LHD)	Cowl Wire
	128 (RHD *B)		I12		
I3	134 (RHD)	Engine Wire	I13	134 (RHD)	
I5	134 (RHD)	Cowl Wire	I17	116 (LHD)	Engine Wire

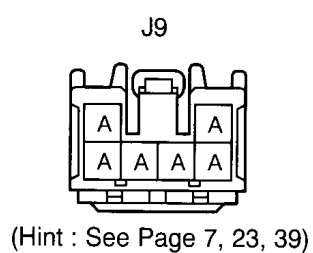
ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)



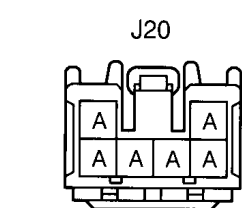
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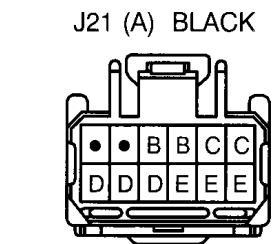
(Hint : See Page 7, 23, 39)



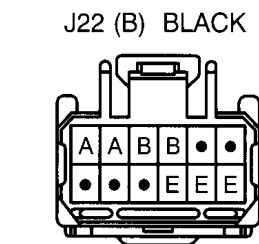
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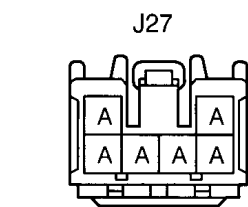
(Hint : See Page 7, 23, 39)



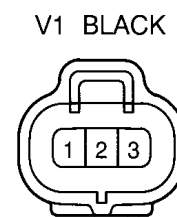
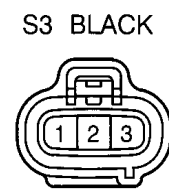
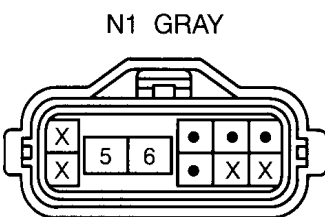
(Hint : See Page 7, 23, 39)



(Hint : See Page 7, 23, 39)

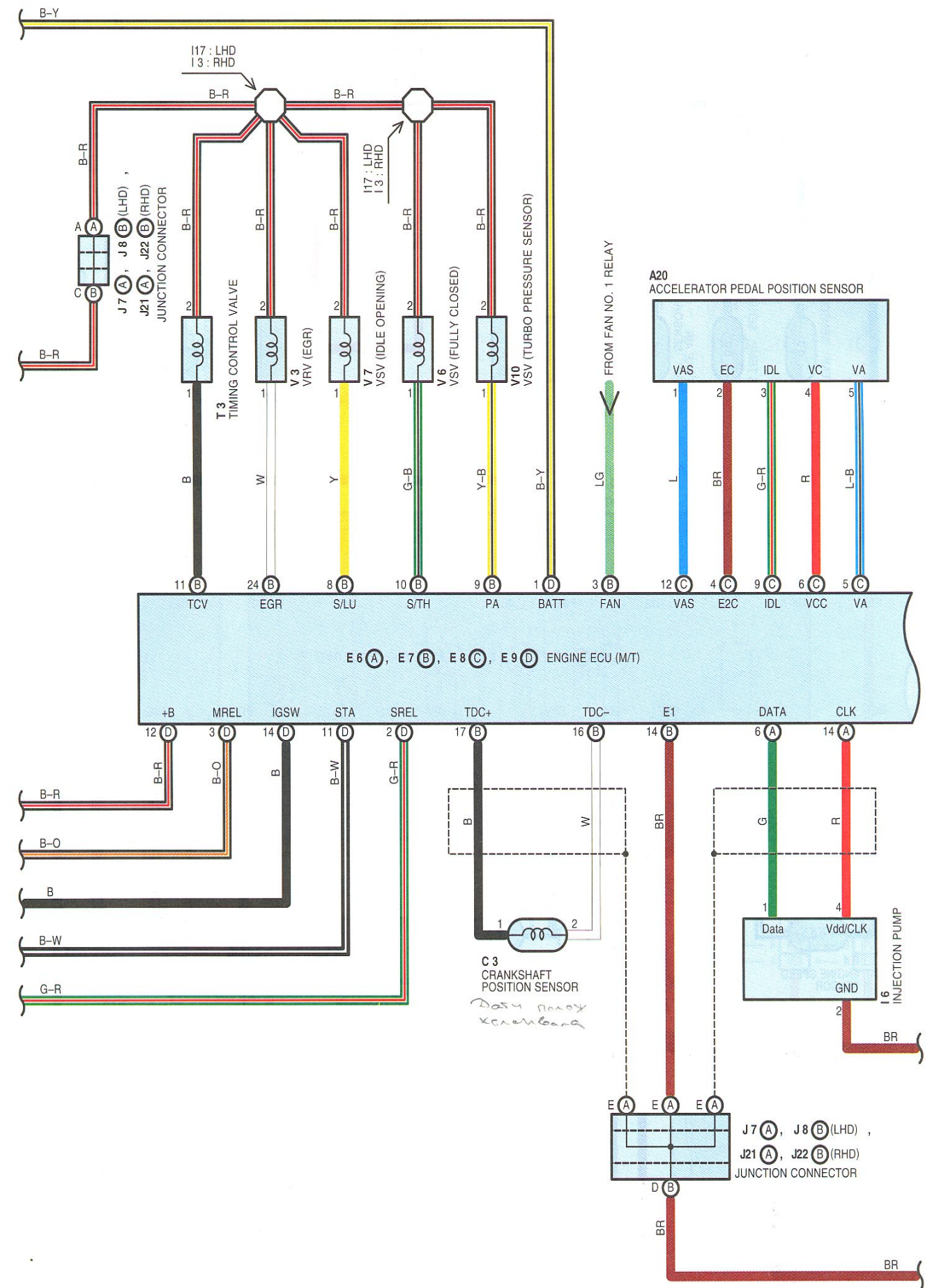
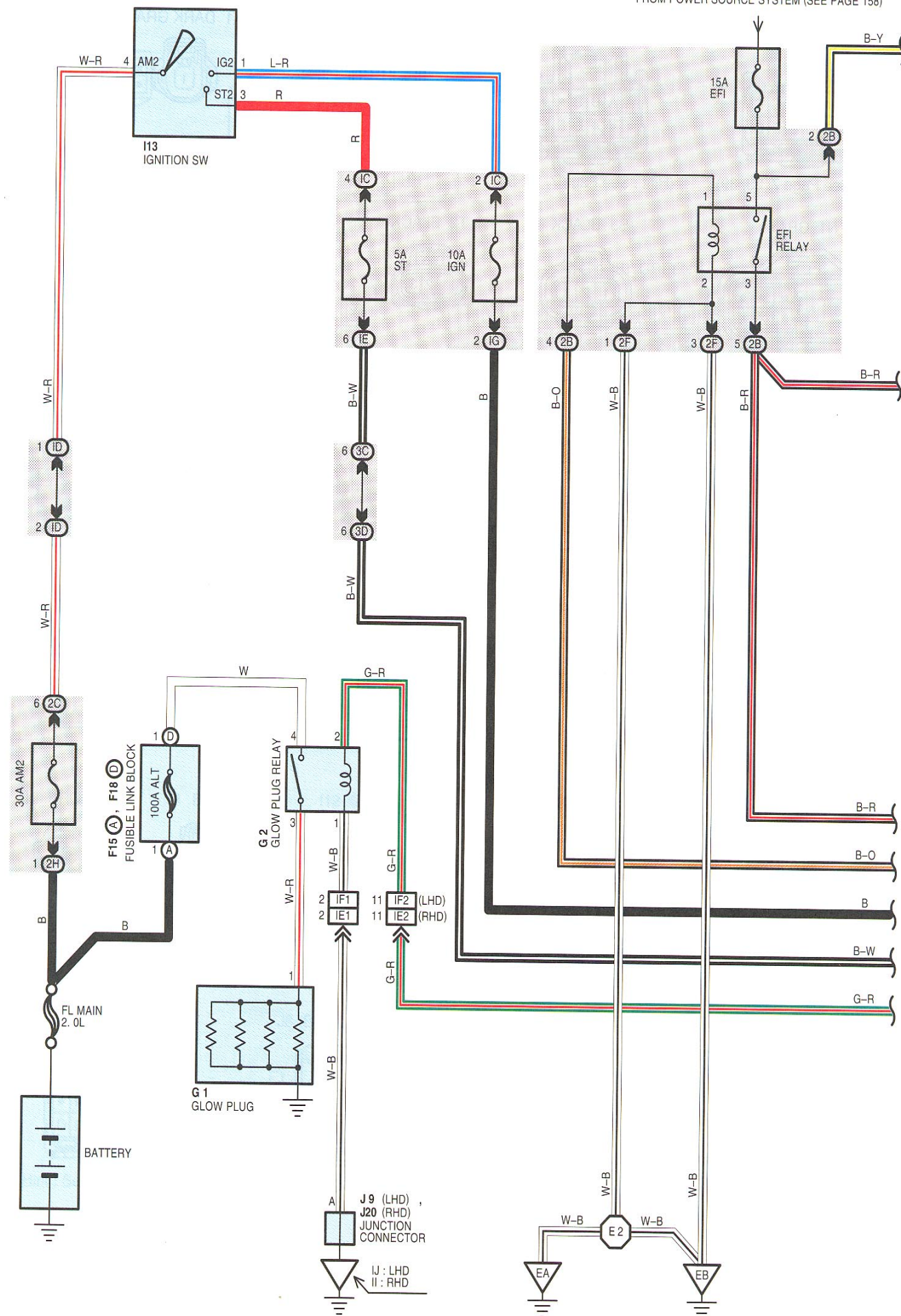


(Hint : See Page 7, 23, 39)



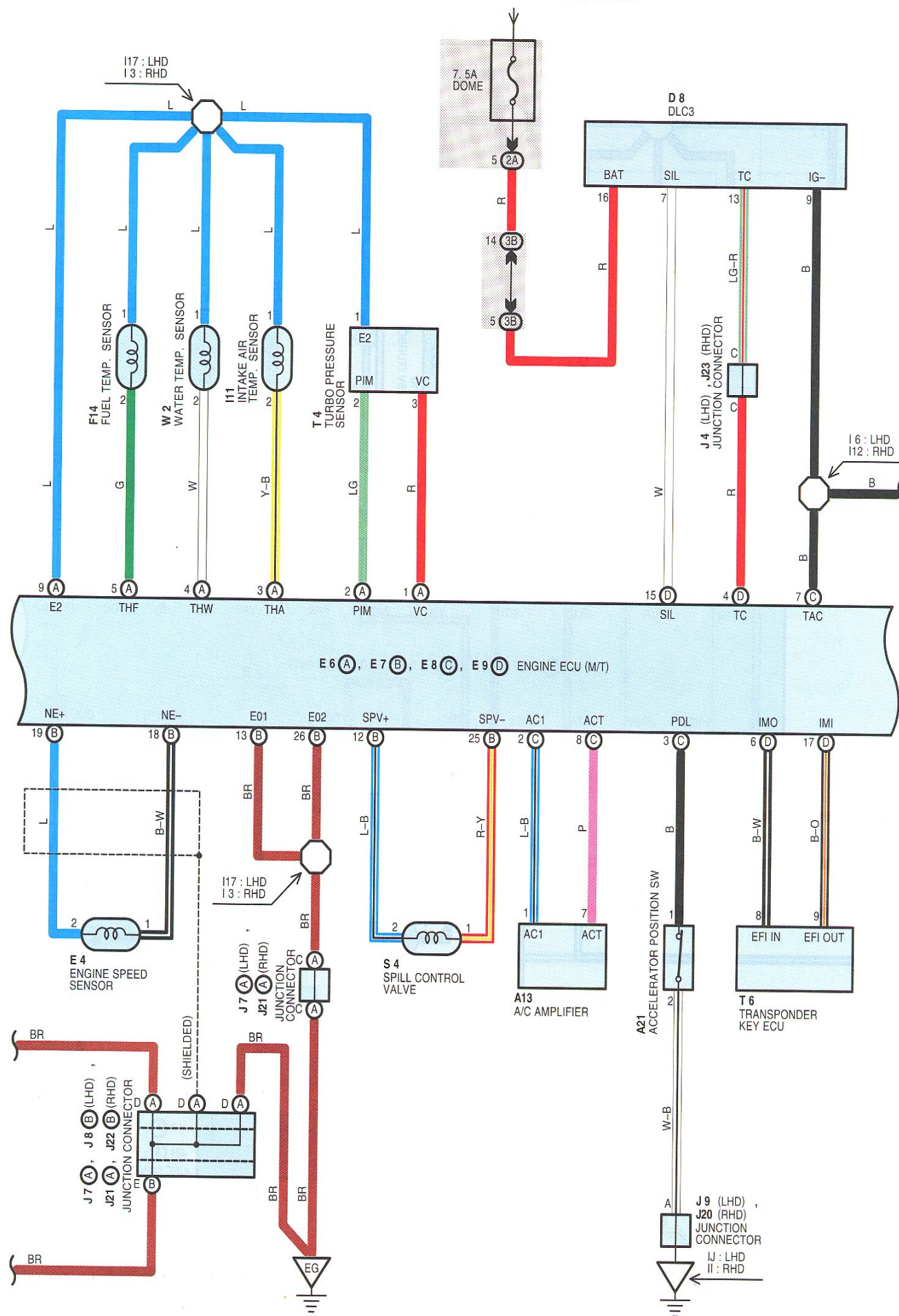
ENGINE CONTROL (2C-TE)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)

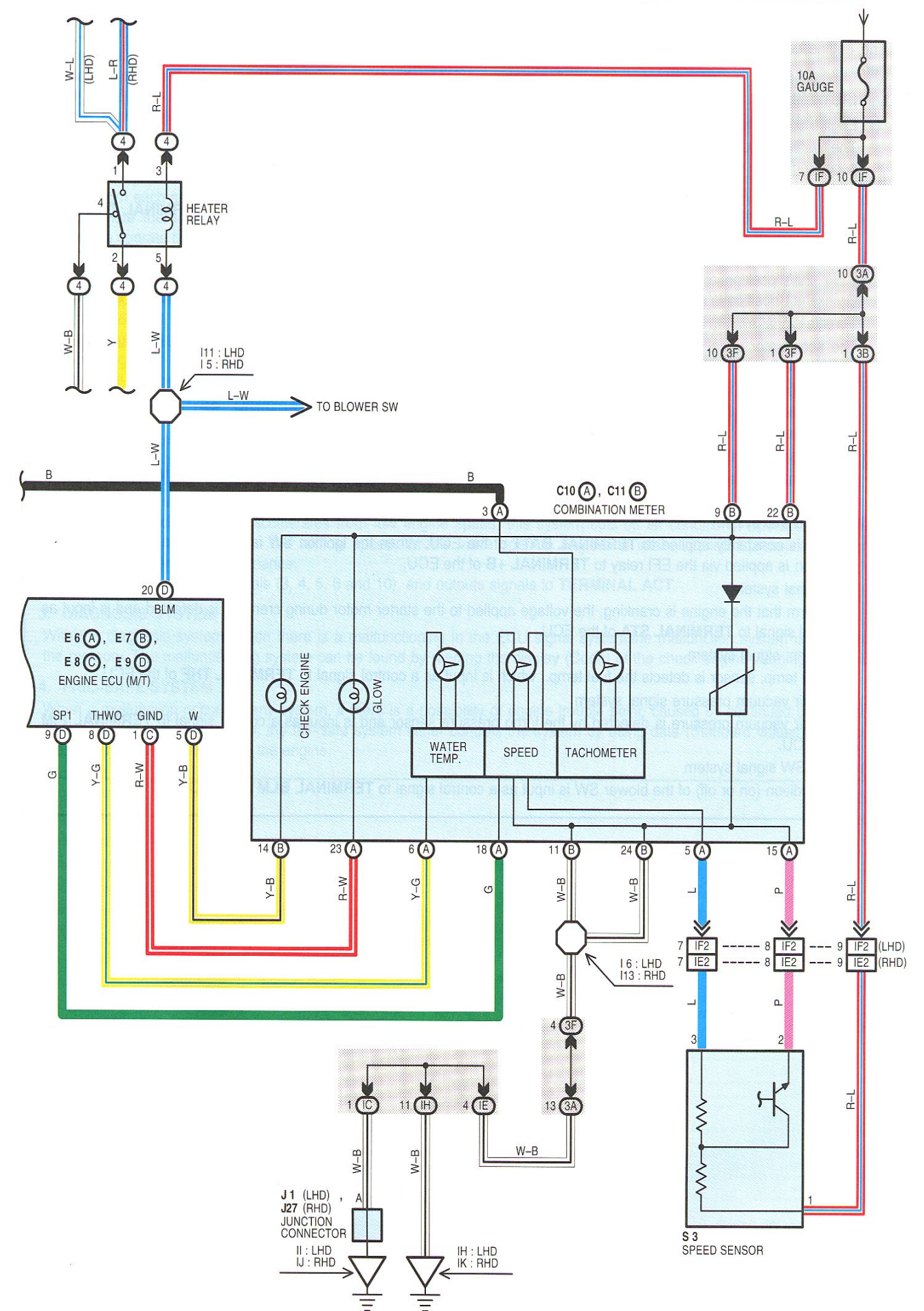


ENGINE CONTROL (2C-TE)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



FROM POWER SOURCE SYSTEM (SEE PAGE 158)



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) Engine coolant 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 crankshaft position sensor and engine speed 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 accelerator pedal position sensor detects the accelerator pedal opening angle, which is input as a control signal to **TERMINALS VA, VAS** of the ECU, or when the accelerator pedal is fully closed, to **TERMINAL IDL**.
- (5) Vehicle speed signal system
The speed sensor detects the vehicle speed and input a control signal to **TERMINAL SP1** of the ECU via the combination meter.
- (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 EFI 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 pressure signal system
Intake air vacuum pressure is detected by the turbo pressure sensor and is input as a control signal to **TERMINAL PIM** of the ECU.
- (11) 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 control 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, 11)) input from each sensors to the ECU, and outputs the current to the **TERMINAL SPV+**, causing to control spill control 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 VRV (EGR).
- * A/C cut control system
When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
The ECU receives input signals (3, 4, 5, 6 and 10), and outputs signals to **TERMINAL ACT**.

3. DIAGNOSIS SYSTEM

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

4. FAIL-SAFE SYSTEM

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

ENGINE CONTROL (2C-TE)

SERVICE HINTS

E6 (A), E7 (B), E8 (C), E9 (D) ENGINE ECU

Voltage at ECU wiring connectors

BATT-GROUND : Always 9-14 volts

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

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

IDL-GROUND : 9-14 volts (Ignition SW on and accelerator pedal fully closed)

: 0-3 volts (Ignition SW on and accelerator pedal fully open)

VA, VAS-GROUND : 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-GROUND : 3.3-3.9 volts (Ignition SW at ON position)

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

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

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

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

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

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

SP1-GROUND : Pulse generation (Driving approx. 20 km/h)

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

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

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

SPV+ -GROUND : Pulse generation (Engine idling)

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

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

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

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A13	76 (LHD)	F14		J23	96 (RHD)
	94 (RHD)			J27	96 (RHD)
A20	76 (LHD)	F15	A	S3	72 (LHD 2C-TE)
	94 (RHD)				92 (RHD 2C-TE)
A21	76 (LHD)	F18	D	S4	72 (LHD 2C-TE)
	94 (RHD)				92 (RHD 2C-TE)
C3	72 (LHD 2C-TE)	G1		T3	72 (LHD 2C-TE)
	92 (RHD 2C-TE)				92 (RHD 2C-TE)
C10	76 (LHD)	G2		T4	72 (LHD 2C-TE)
	94 (RHD)				92 (RHD 2C-TE)
C11	76 (LHD)	I6		T6	78 (LHD)
	94 (RHD)				96 (RHD)
D8	76 (LHD)	I11		V3	72 (LHD 2C-TE)
	94 (RHD)				92 (RHD 2C-TE)
E4	72 (LHD 2C-TE)	I13		V6	72 (LHD 2C-TE)
	92 (RHD 2C-TE)				92 (RHD 2C-TE)
E6	76 (LHD)	J1		V7	72 (LHD 2C-TE)
	94 (RHD)	J4			92 (RHD 2C-TE)
E7	76 (LHD)	J7	A	V10	72 (LHD 2C-TE)
	94 (RHD)	J8	B		92 (RHD 2C-TE)
E8	76 (LHD)	J9		W2	72 (LHD 2C-TE)
	94 (RHD)	J20			92 (RHD 2C-TE)
E9	76 (LHD)	J21	A		
	94 (RHD)	J22	B		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2C		
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

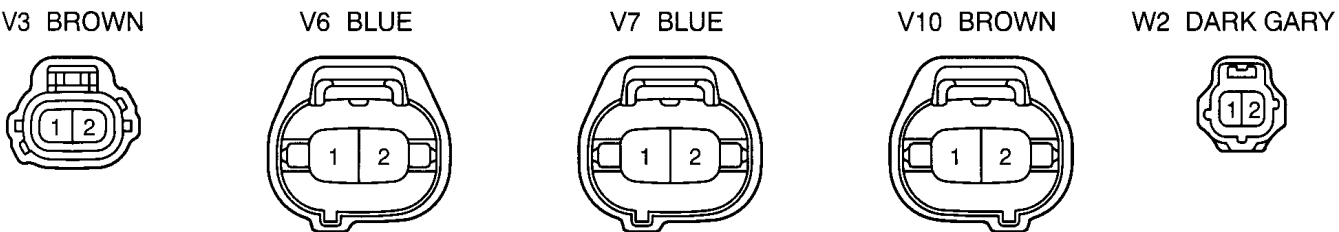
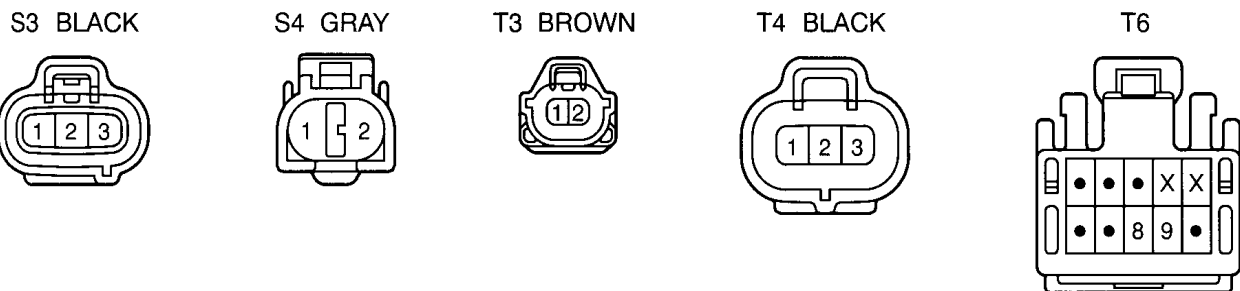
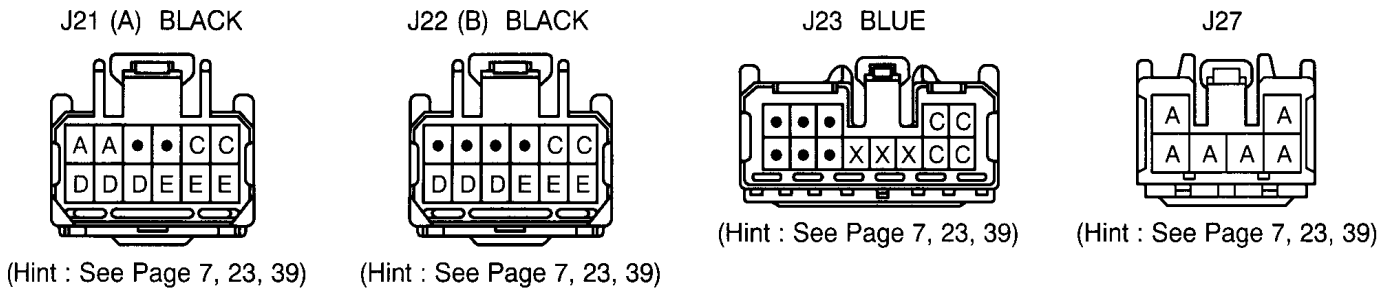
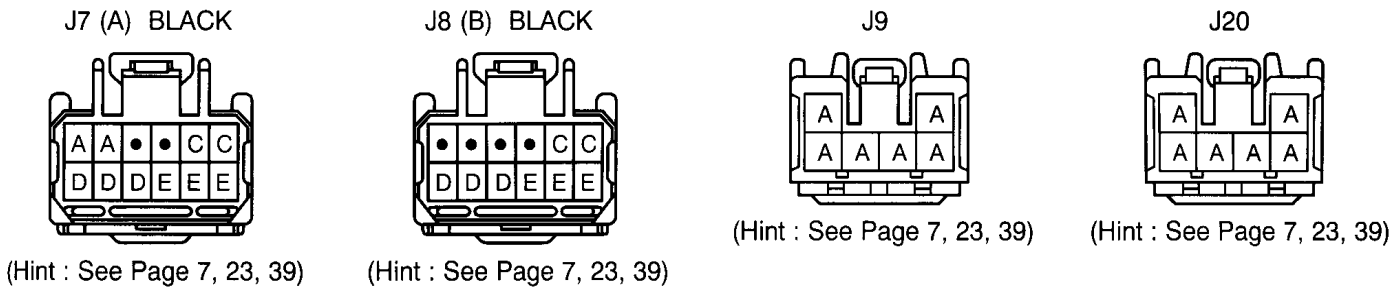
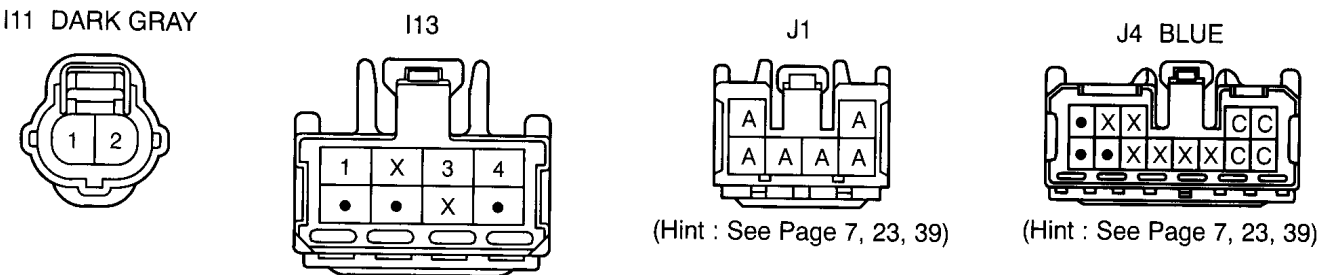
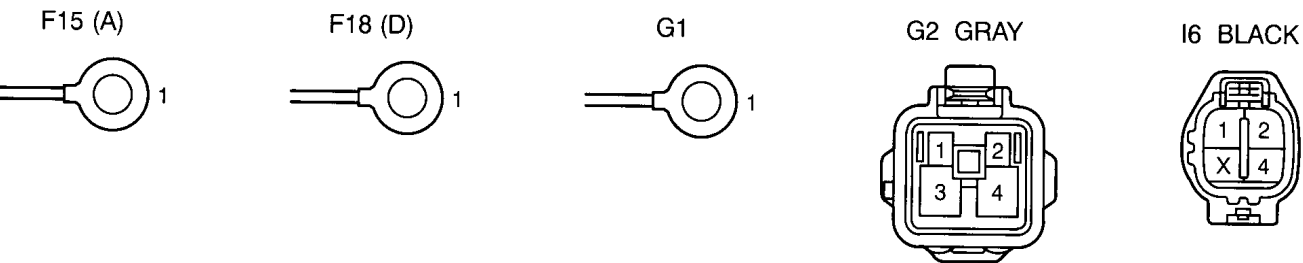
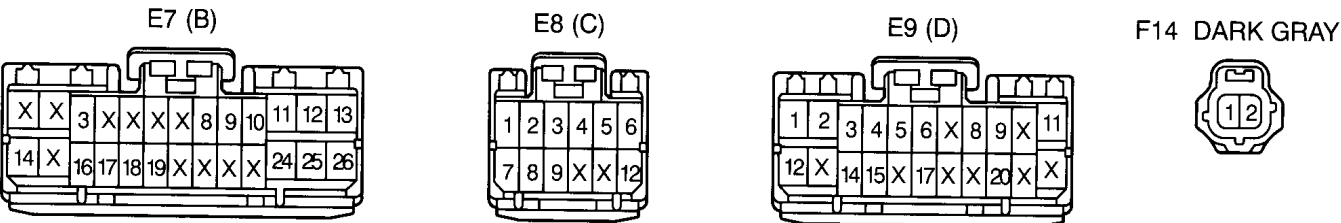
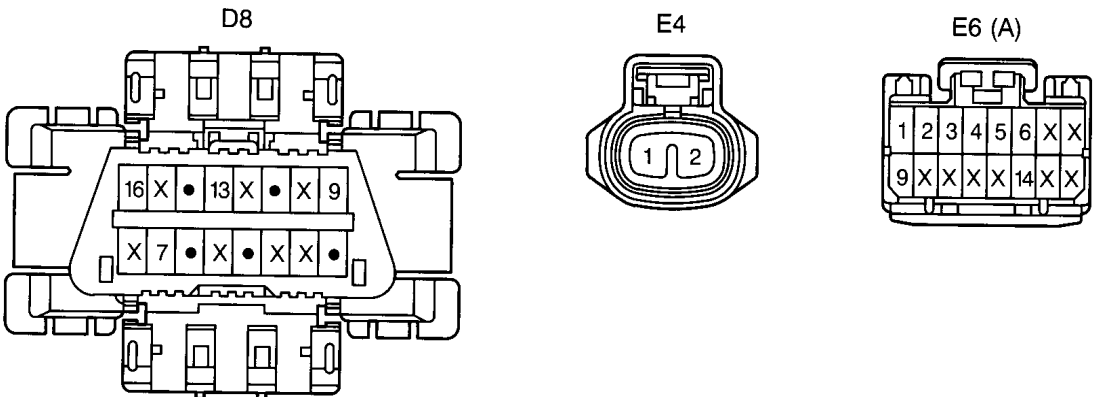
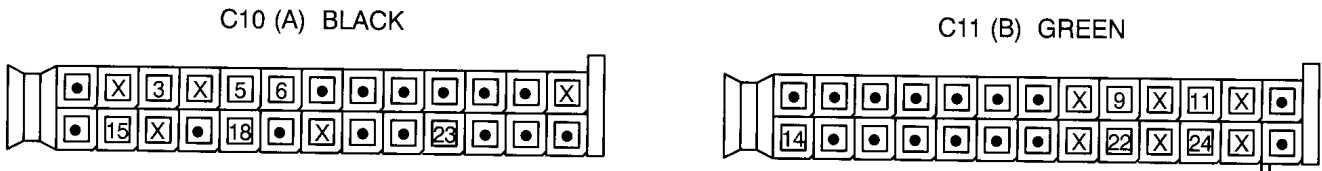
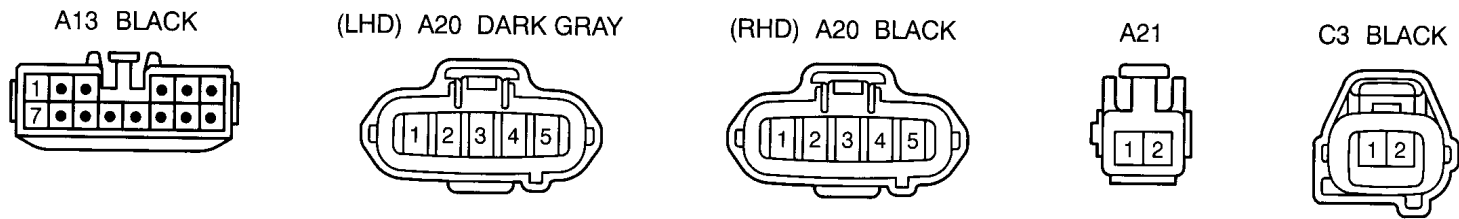
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

▽ : GROUND POINTS

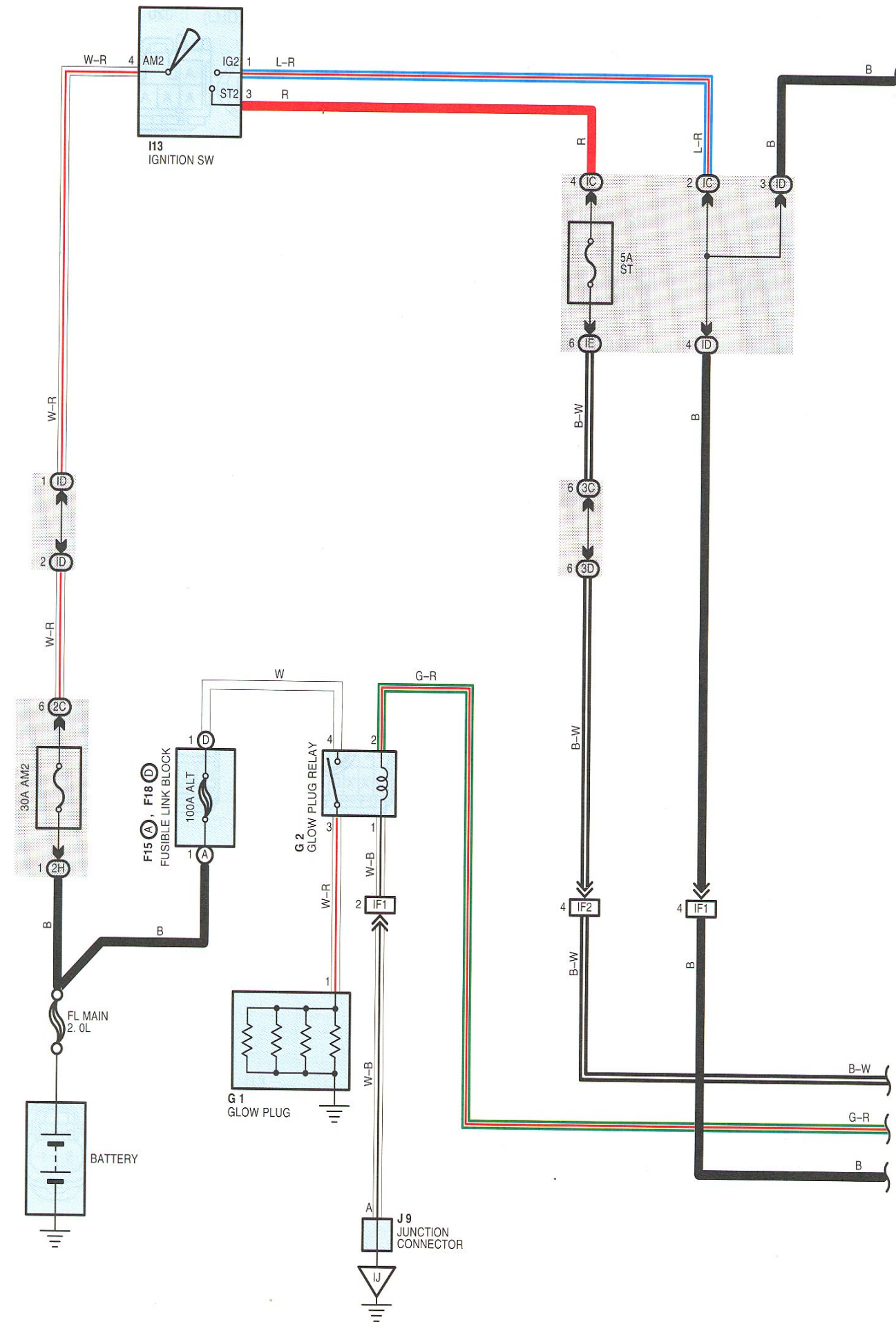
Code	See Page	Ground Points Location
EA	110 (LHD 2C-TE)	Under the Headlight RH
	130 (RHD 2C-TE)	
EB	110 (LHD 2C-TE)	Under the Headlight LH
	130 (RHD 2C-TE)	
EG	110 (LHD 2C-TE)	Near the Starter
	130 (RHD 2C-TE)	
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

○ : SPLICE POINTS

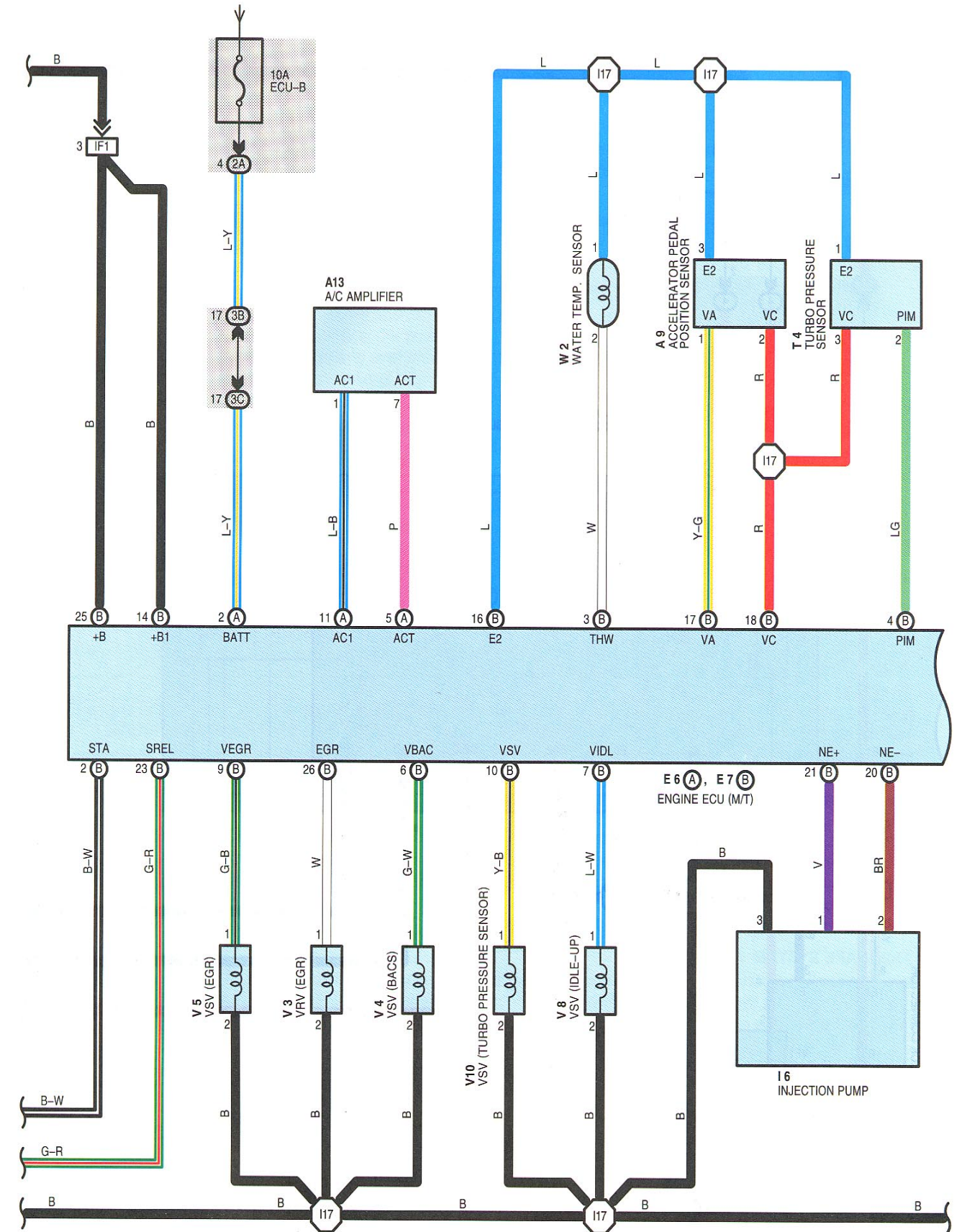
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	110 (LHD 2C-TE)	Engine Room Main Wire	I11	116 (LHD)	Cowl Wire
	130 (RHD 2C-TE)		I12	134 (RHD)	
I3	134 (RHD)	Engine Wire	I13		
I5	134 (RHD)	Cowl Wire	I17	116 (LHD)	Engine Wire
I6	116 (LHD)				

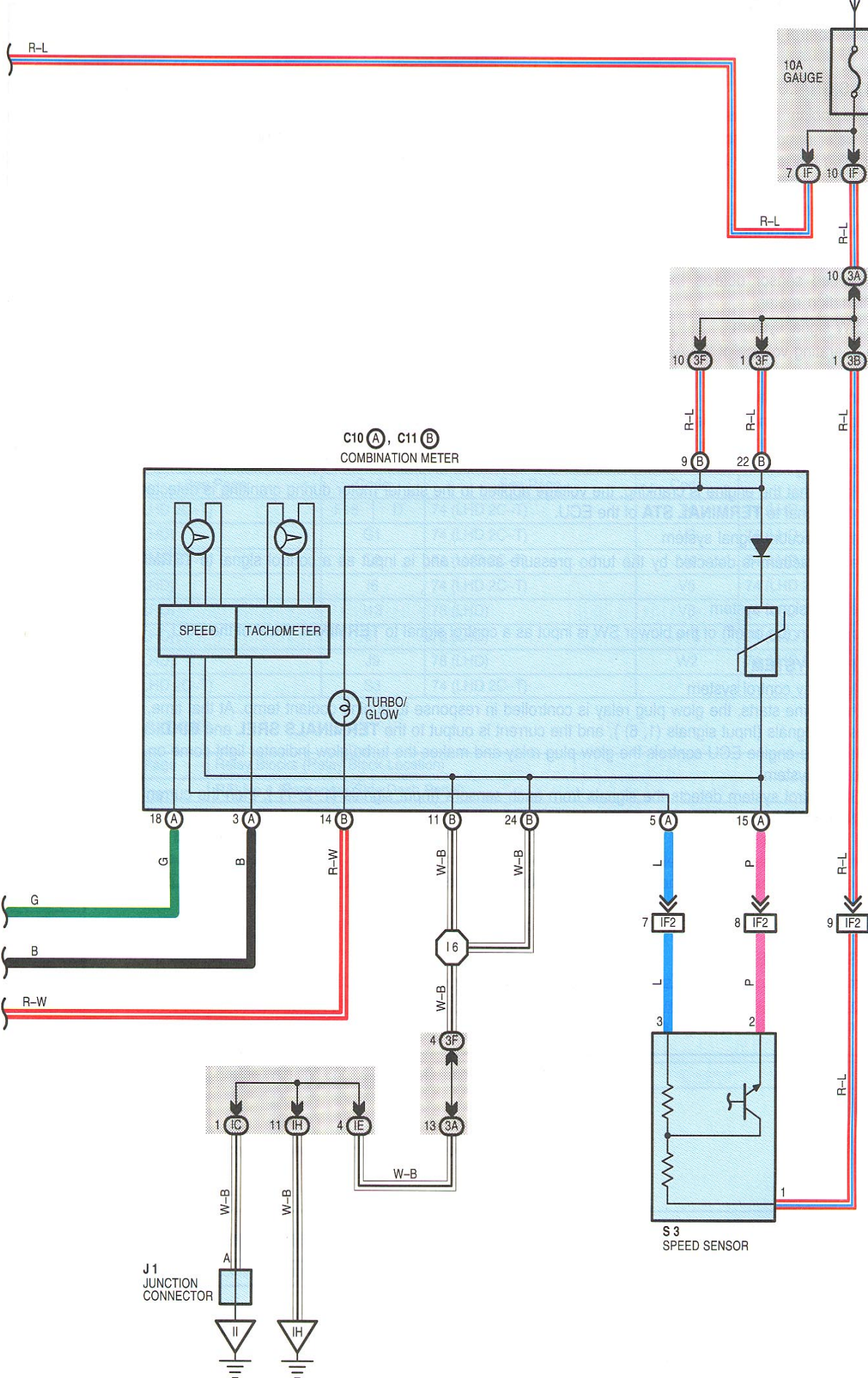
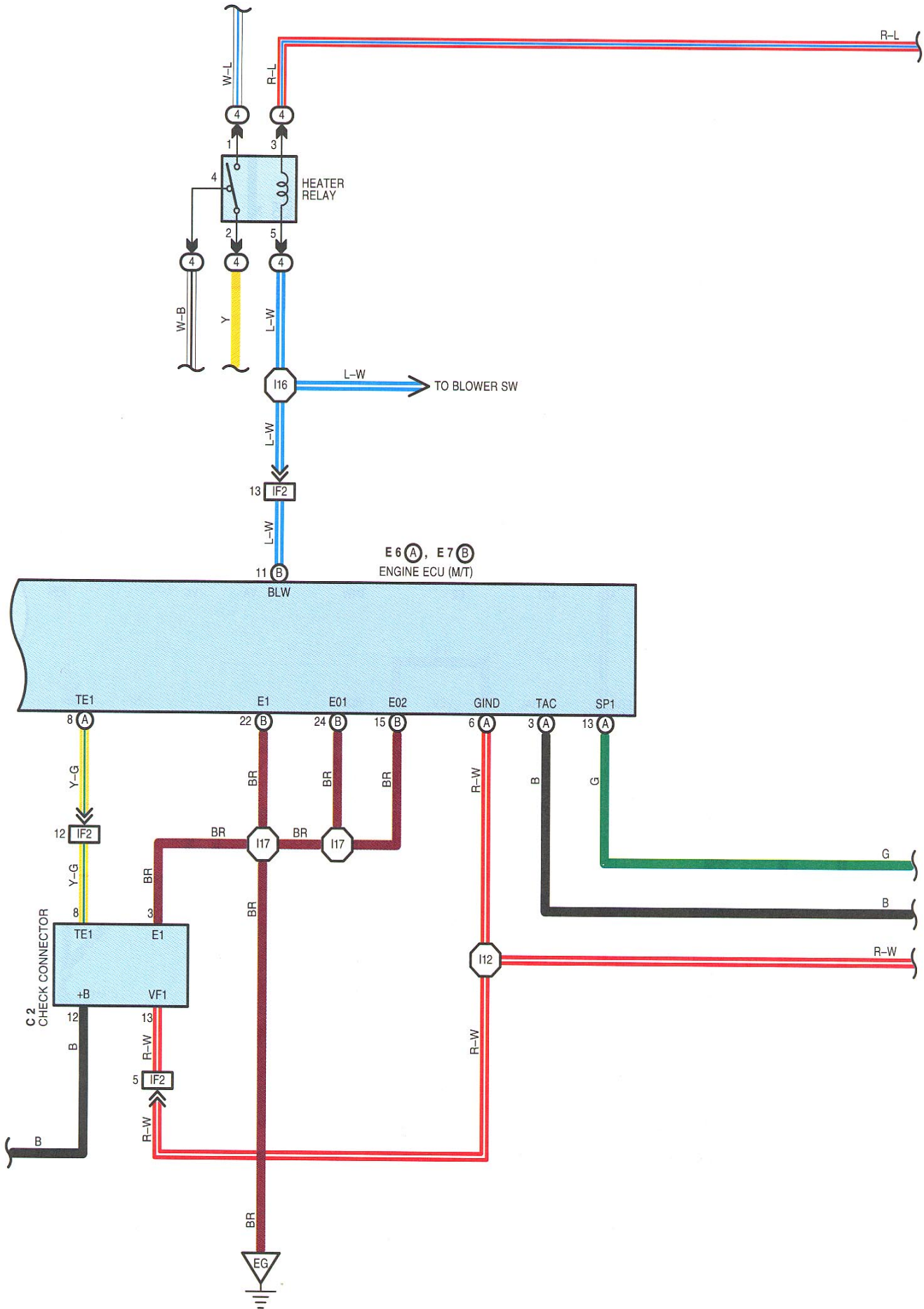


ENGINE CONTROL (2C-T)



FROM POWER SOURCE SYSTEM (SEE PAGE 158)





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) Engine coolant 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) Throttle signal system

The accelerator pedal position sensor detects the throttle valve opening angle, which is input as a control signal to **TERMINAL VA** of the ECU.

(3) Vehicle speed signal system

The speed sensor detects the vehicle speed and input a control signal to **TERMINAL SP1** of the ECU via the combination meter.

(4) 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.

(5) 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 ignition SW to **TERMINALS +B, +B1** of the ECU.

(6) 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.

(7) 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.

(8) Blower SW signal system

The condition (on or off) of the blower SW is input as a control signal to **TERMINAL BLW** of the ECU.

2. CONTROL SYSTEM

* 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, 6)), 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 turbo/glow indicator light come on.

* EGR control system

The EGR control system detects the signals from each sensors (Input signals (1, 2, 7)), then the current is output to the **TERMINAL EGR** to control the VRV (EGR).

* 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 (2, 3, 4 and 7), and outputs signals to **TERMINAL ACT**.

3. 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.

SERVICE HINTS

E6 (A), E7 (B) ENGINE ECU

Voltage at ECU wiring connectors

BATT-GROUND : Always 9-14 volts

+B1-GROUND : 9-14 volts (Ignition SW at **ON** position)

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

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

VA-GROUND : 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-GROUND : 3.3-3.9 volts (Ignition SW at **ON** position)

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

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

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

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

SP1-GROUND : Pulse generation (Driving approx. 20 km/h)

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

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

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

NE+ -GROUND : Pulse generation (Engine idling)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A9	74 (LHD 2C-T)	F18	D	T4	74 (LHD 2C-T)
A13	76 (LHD)	G1		V3	74 (LHD 2C-T)
C2	74 (LHD 2C-T)	G2		V4	74 (LHD 2C-T)
C10	A	I6		V5	74 (LHD 2C-T)
C11	B	I13		V8	74 (LHD 2C-T)
E6	A	J1		V10	74 (LHD 2C-T)
E7	B	J9		W2	74 (LHD 2C-T)
F15	A	S3			

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2H	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3B		
3C		
3D		
3F	61 (LHD)	

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2		

ENGINE CONTROL (2C-T)

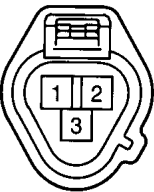
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EG	112 (LHD 2C-T)	Near the Starter
IH	114 (LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel

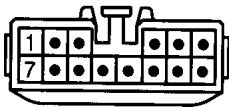
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I16	116 (LHD)	Cowl Wire
I12			I17	116 (LHD)	Engine Wire

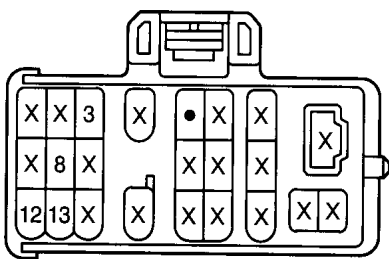
A9 GRAY



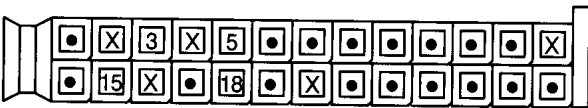
A13 BLACK



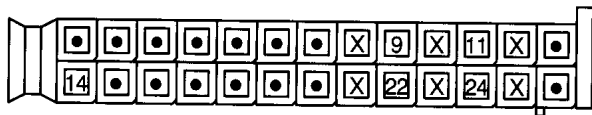
C2 BLACK



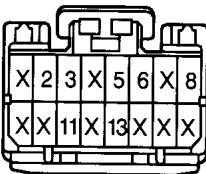
C10 (A) BLACK



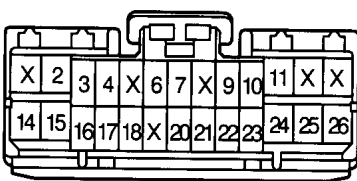
C11 (B) GREEN



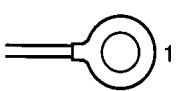
E6 (A)



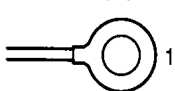
E7 (B)



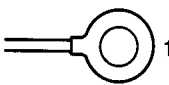
F15 (A)



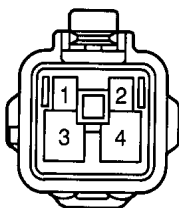
F18 (D)



G1



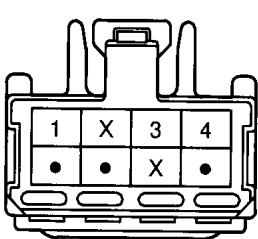
G2 GRAY



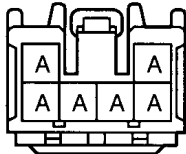
I6 GRAY



I13

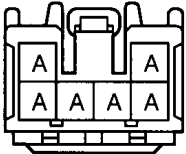


J1



(Hint : See Page 7, 23, 39)

J9



(Hint : See Page 7, 23, 39)

S3 BLACK



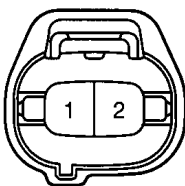
T4 BLACK



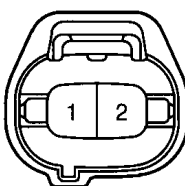
V3 BROWN



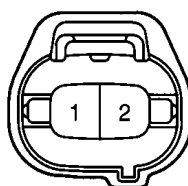
V4 BLACK



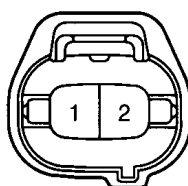
V5 BLUE



V8 BROWN



V10 BLACK

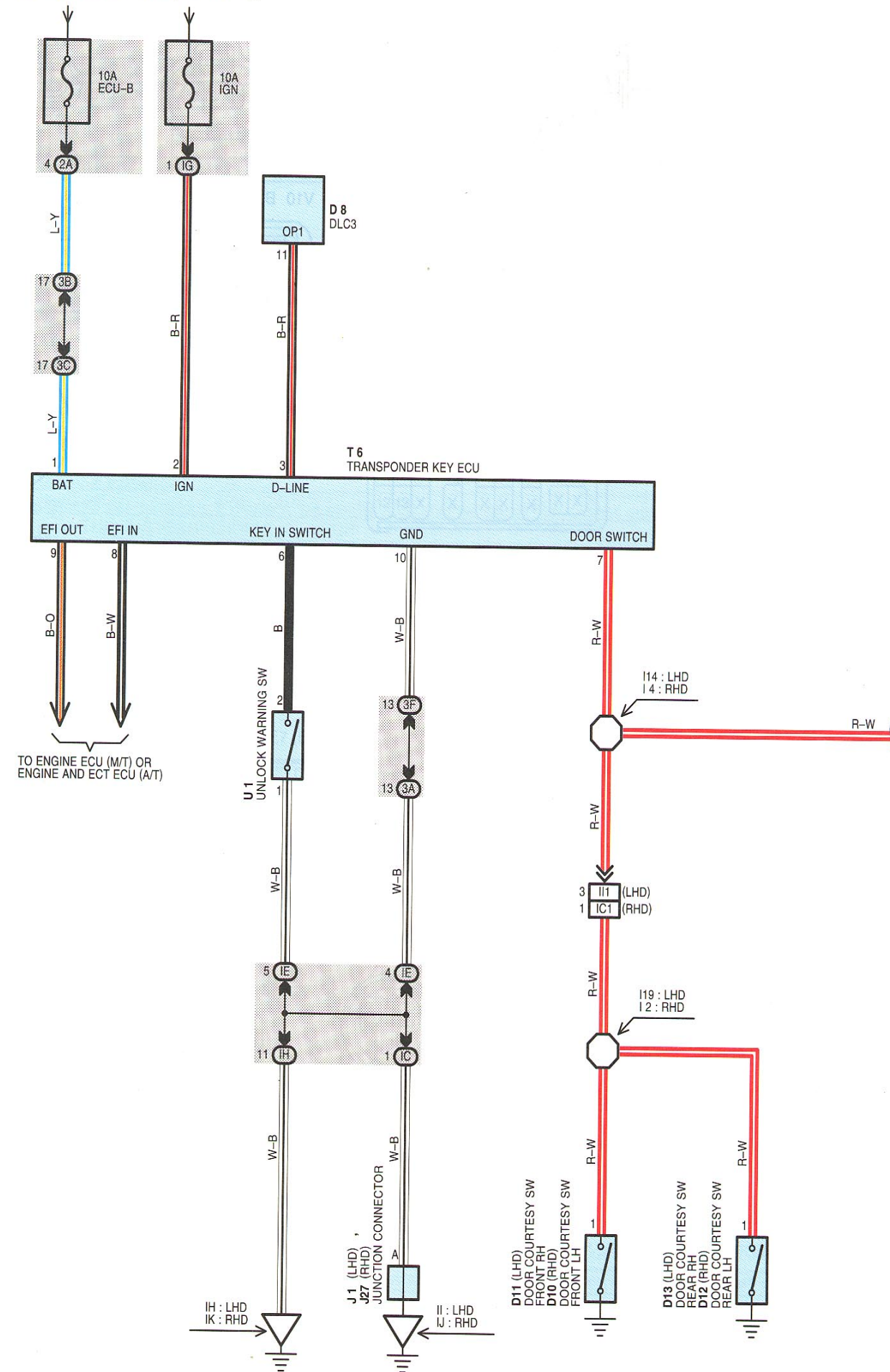


W2 GREEN

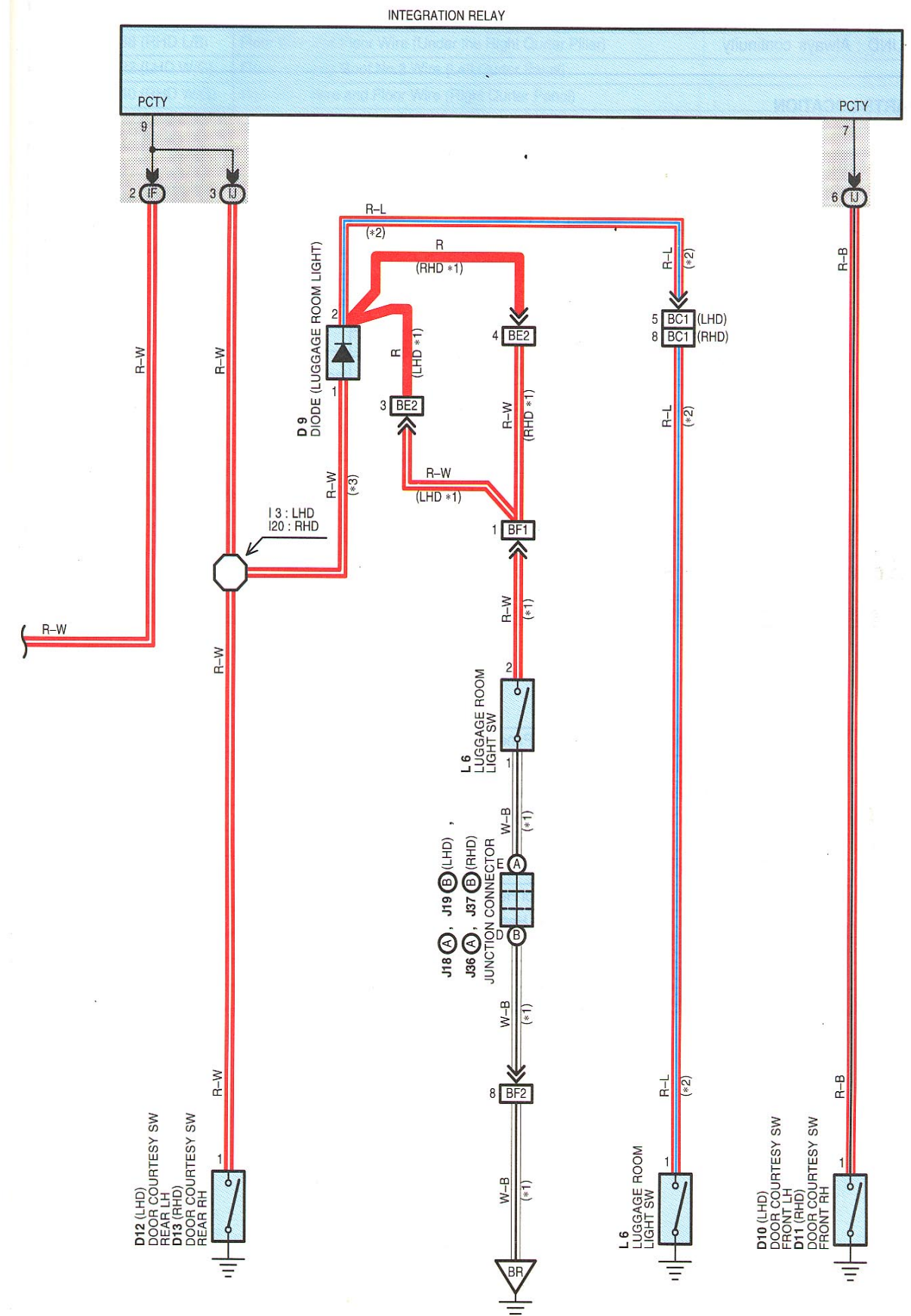


ENGINE IMMOBILISER SYSTEM

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1 : W/G
* 2 : L/B
* 3 : EXCEPT S/D



ENGINE IMMOBILISER SYSTEM

SERVICE HINTS

T6 TRANSPONDER KEY ECU

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D8	76 (LHD)	D11	98 (RHD S/D)	J1	78 (LHD)
	94 (RHD)		100 (RHD L/B)	J18 A	84 (LHD W/G)
D9	82 (LHD L/B)		102 (RHD W/G)	J19 B	84 (LHD W/G)
	84 (LHD W/G)	D12	80 (LHD S/D)	J27	96 (RHD)
	100 (RHD L/B)		82 (LHD L/B)	J36 A	102 (RHD W/G)
	102 (RHD W/G)		84 (LHD W/G)	J37 B	102 (RHD W/G)
D10	80 (LHD S/D)		98 (RHD S/D)	L6	82 (LHD L/B)
	82 (LHD L/B)		100 (RHD L/B)		84 (LHD W/G)
	84 (LHD W/G)		102 (RHD W/G)		100 (RHD L/B)
	98 (RHD S/D)		80 (LHD S/D)		102 (RHD W/G)
	100 (RHD L/B)	D13	82 (LHD L/B)	T6	78 (LHD)
	102 (RHD W/G)		84 (LHD W/G)		96 (RHD)
D11	80 (LHD S/D)		98 (RHD S/D)	U1	78 (LHD)
	82 (LHD L/B)		100 (RHD L/B)		96 (RHD)
	84 (LHD W/G)		102 (RHD W/G)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
BC1	120 (LHD L/B)	Floor Wire and Floor Wire (Under the Left Quarter Pillar)
	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Quarter Pillar)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	
BF2	122 (LHD W/G)	
	140 (RHD W/G)	

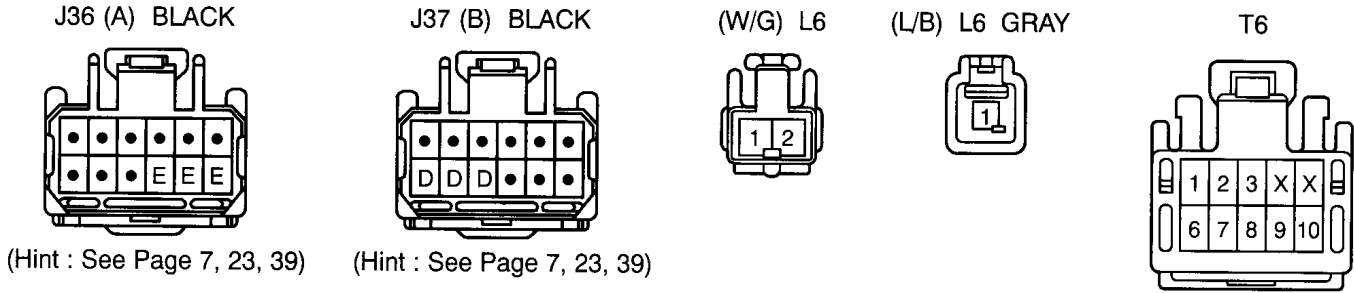
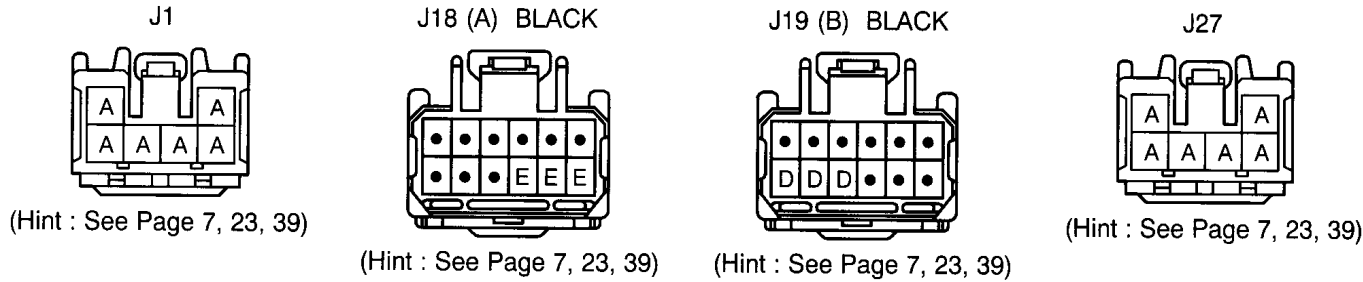
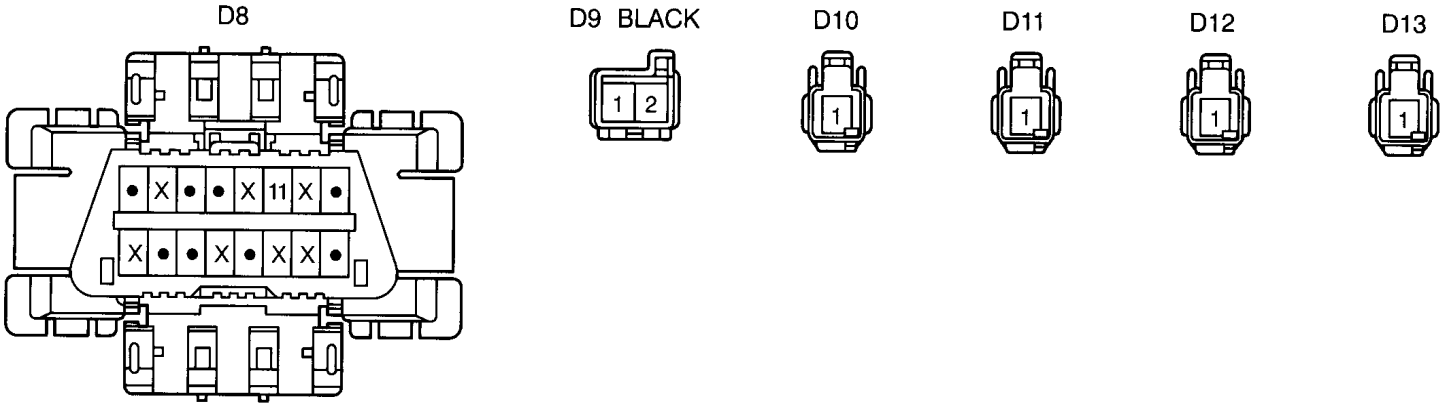
: GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	

: SPLICE POINTS

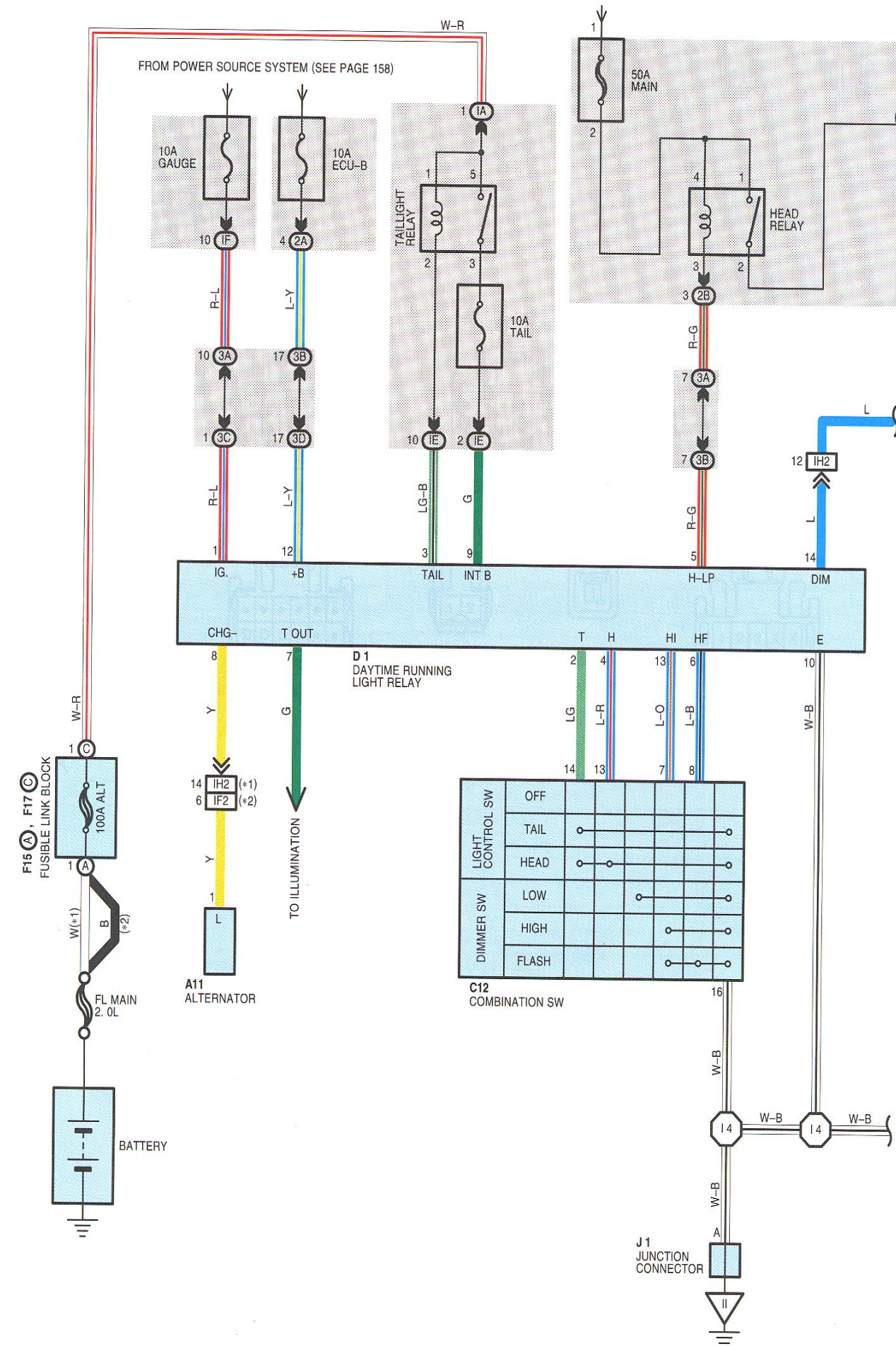
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	134 (RHD)	Floor No.2 Wire	I14	116 (LHD)	Instrument Panel Wire
I3	116 (LHD)	Floor Wire	I19	116 (LHD)	Floor No.2 Wire
I4	134 (RHD)	Cowl Wire	I20	134 (RHD)	Floor Wire

ENGINE IMMOBILISER SYSTEM

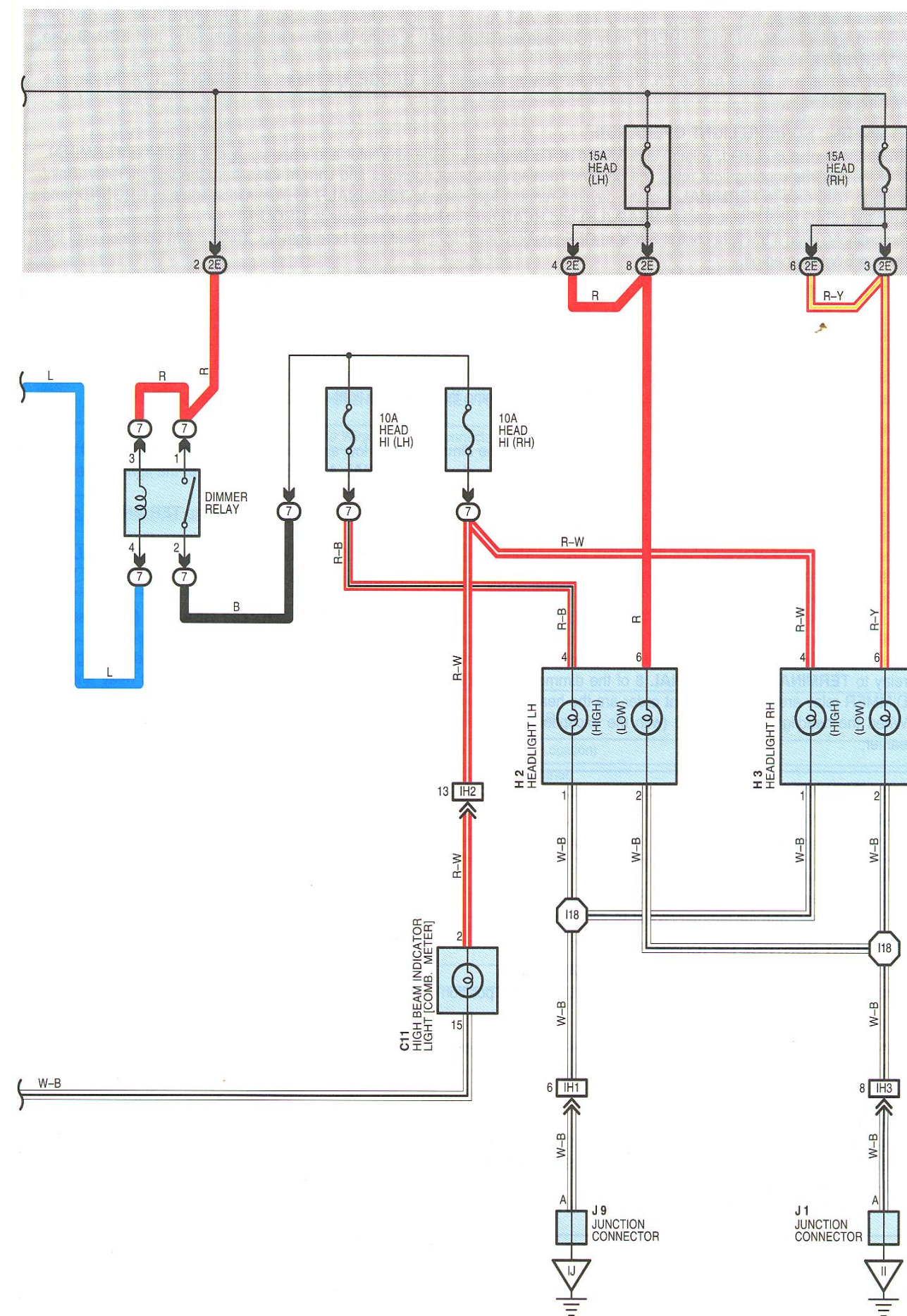


HEADLIGHT (w/ DAYTIME RUNNING LIGHT)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1 : GASOLINE
* 2 : DIESEL



HEADLIGHT (w/ DAYTIME RUNNING LIGHT)

SYSTEM OUTLINE

Current from the battery is always flowing from the **ALT** fuse to taillight 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 **ECU-B** 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 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 taillight relay (Point side) to **TAIL** fuse to **TERMINAL 9** of the daytime running light relay to illumination lights to **GROUND**, and from the HEAD relay (Point side) to **HEAD (LH)** and **HEAD (RH)** 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 taillight 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 taillight relay on.

This causes the current flowing the the taillight relay (Point side) to **TAIL** fuse 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 **HEAD (LH)** and **HEAD (RH)** fuses to **TERMINAL 6** of the headlights to **TERMINAL 2** to **GROUND**, so the headlights (LOW) light up.

When the dimmer SW is switched to the high side, current flows from **TERMINAL 3** of the DIMMER relay to **TERMINAL 4** 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 1** of the DIMMER relay to **HEAD HI (LH)** and **HEAD HI (RH)** fuses to **TERMINAL 4** of the headlights to **TERMINAL 1** to **GROUND**, causing the headlights (HIGH) 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 are activated in that order are the headlights change to flashing mode.

When the headlights are 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

1-2 : Closed with the light control SW at **HEAD** position and the dimmer SW at **HIGH** position

Closed with the dimmer SW at **FLASH** position

C12 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

C12 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

D1 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

* A : 7A-FE, 4A-FE Lean Burn Type

* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
A11	66 (LHD 3S-FE)	F15	A	H2	70 (LHD *B)
	68 (LHD *A)				72 (LHD 2C-TE)
	70 (LHD *B)				74 (LHD 2C-T)
	72 (LHD 2C-TE)				
C11	76 (LHD)	F17	C	H3	66 (LHD 3S-FE)
C12	76 (LHD)				68 (LHD *A)
D1	76 (LHD)				70 (LHD *B)
					72 (LHD 2C-TE)
F15	A			J1	78 (LHD)
				J9	78 (LHD)
	66 (LHD 3S-FE)	H2			
	68 (LHD *A)				

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
7	54	R/B No.7 (Radiator Upper Support RH)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	59	
IF		
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2E	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3B		
3C		
3D		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IH1	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IH2		
IH3		

: GROUND POINTS

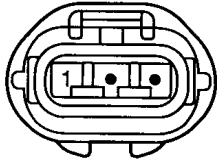
Code	See Page	Ground Points Location
II	114 (LHD)	Left Kick Panel
IJ	114 (LHD)	Right Kick Panel

: SPLICE POINTS

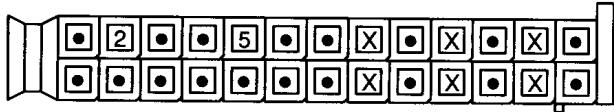
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	116 (LHD)	Cowl Wire	I18	116 (LHD)	Engine Room Main Wire

HEADLIGHT (w/ DAYTIME RUNNING LIGHT)

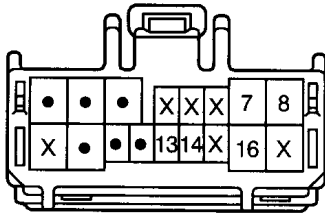
A11 BLACK



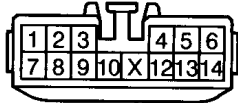
C11 GREEN



C12



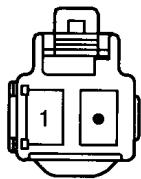
D1 BLUE



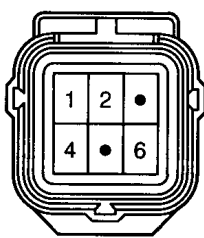
F15 (A)



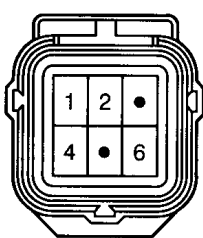
F17 (C) BLUE



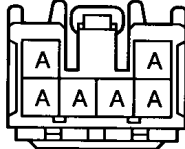
H2 BLACK



H3 BLACK

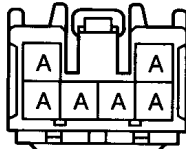


J1



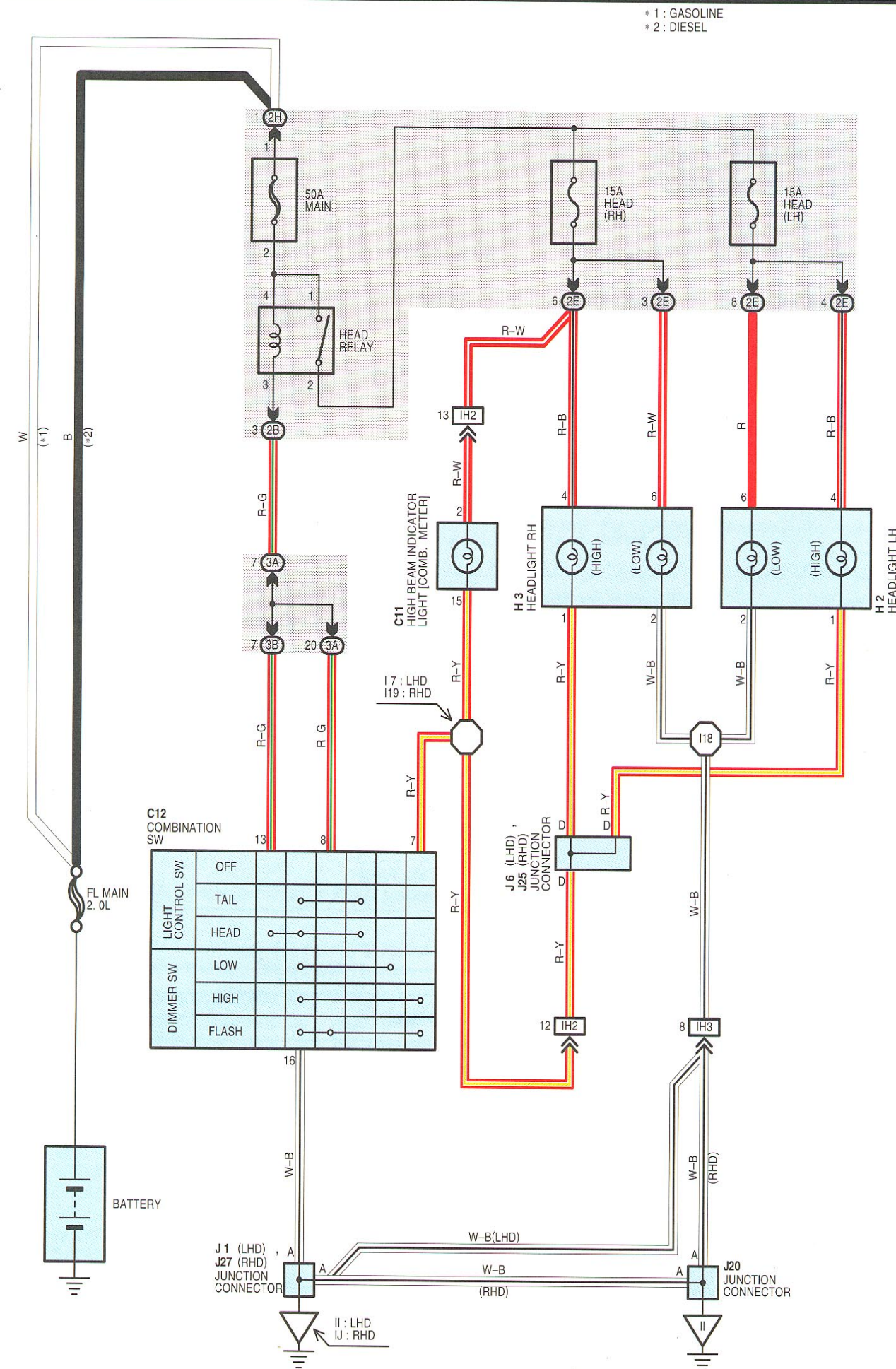
(Hint : See Page 7, 23, 39)

J9



(Hint : See Page 7, 23, 39)

HEADLIGHT (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

C12 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

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
C11	76 (LHD)	H2	86 (RHD 3S-FE)	H3	86 (RHD 3S-FE)
	94 (RHD)		88 (RHD *A)		88 (RHD *A)
C12	76 (LHD)		90 (RHD *B)		90 (RHD *B)
	94 (RHD)		92 (RHD 2C-TE)		92 (RHD 2C-TE)
H2	66 (LHD 3S-FE)	H3	66 (LHD 3S-FE)	J1	78 (LHD)
	68 (LHD *A)		68 (LHD *A)	J6	78 (LHD)
	70 (LHD *B)		70 (LHD *B)	J20	96 (RHD)
	72 (LHD 2C-TE)		72 (LHD 2C-TE)	J25	96 (RHD)
	74 (LHD 2C-T)		74 (LHD 2C-T)	J27	96 (RHD)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IH3	116 (LHD)	
	134 (RHD)	

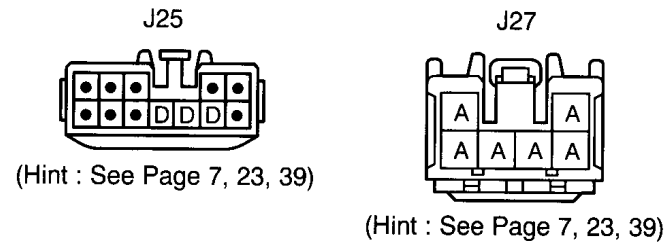
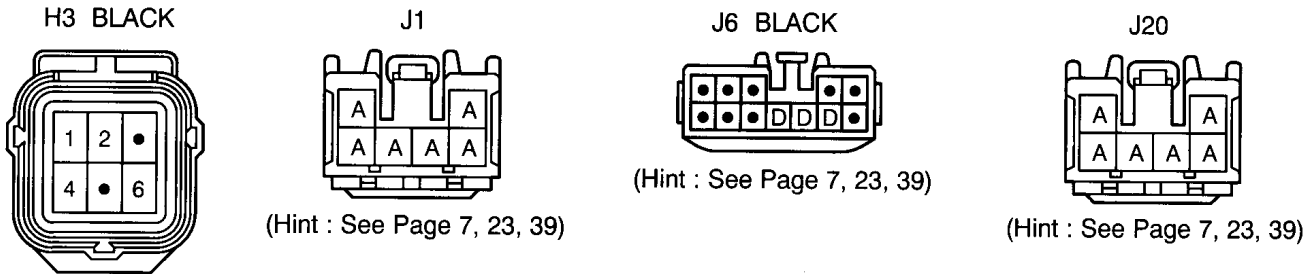
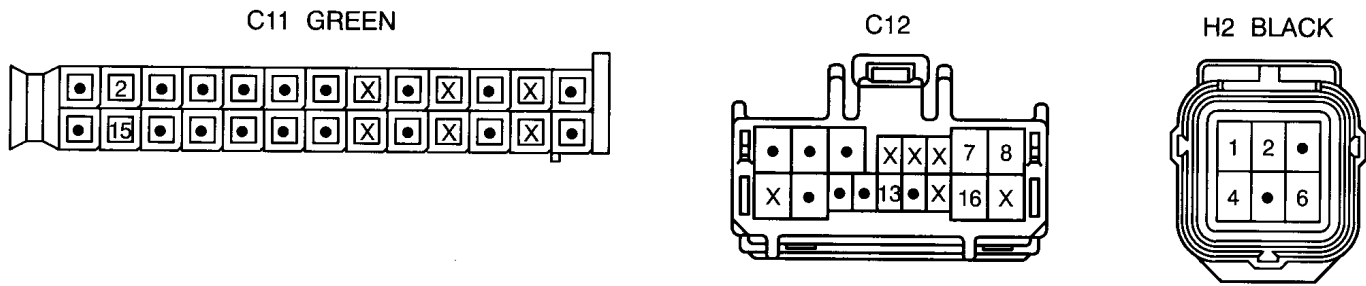
 : GROUND POINTS

Code	See Page	Ground Points Location
II	114 (LHD)	Left Kick Panel
	132 (RHD)	
IJ	132 (RHD)	Right Kick Panel

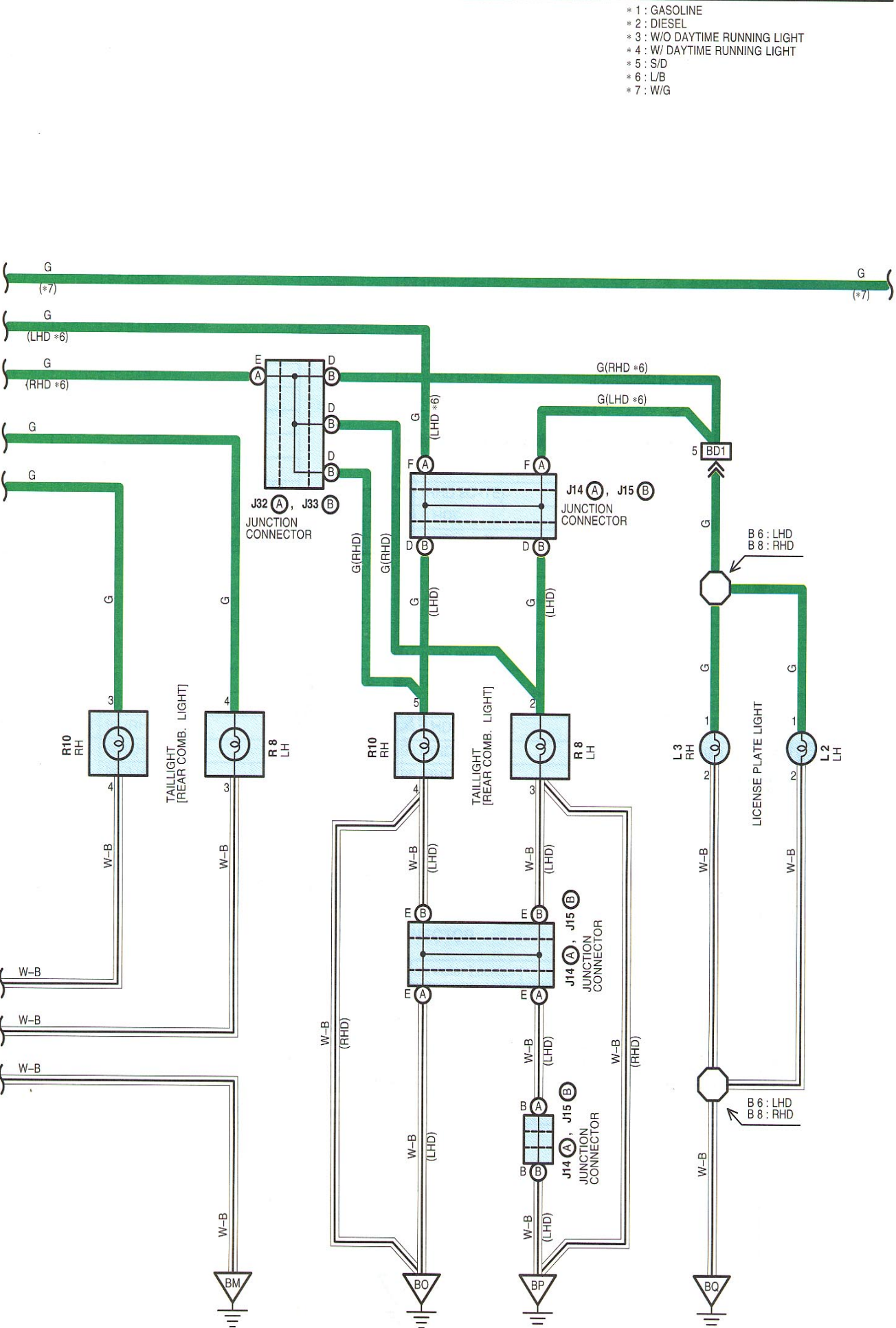
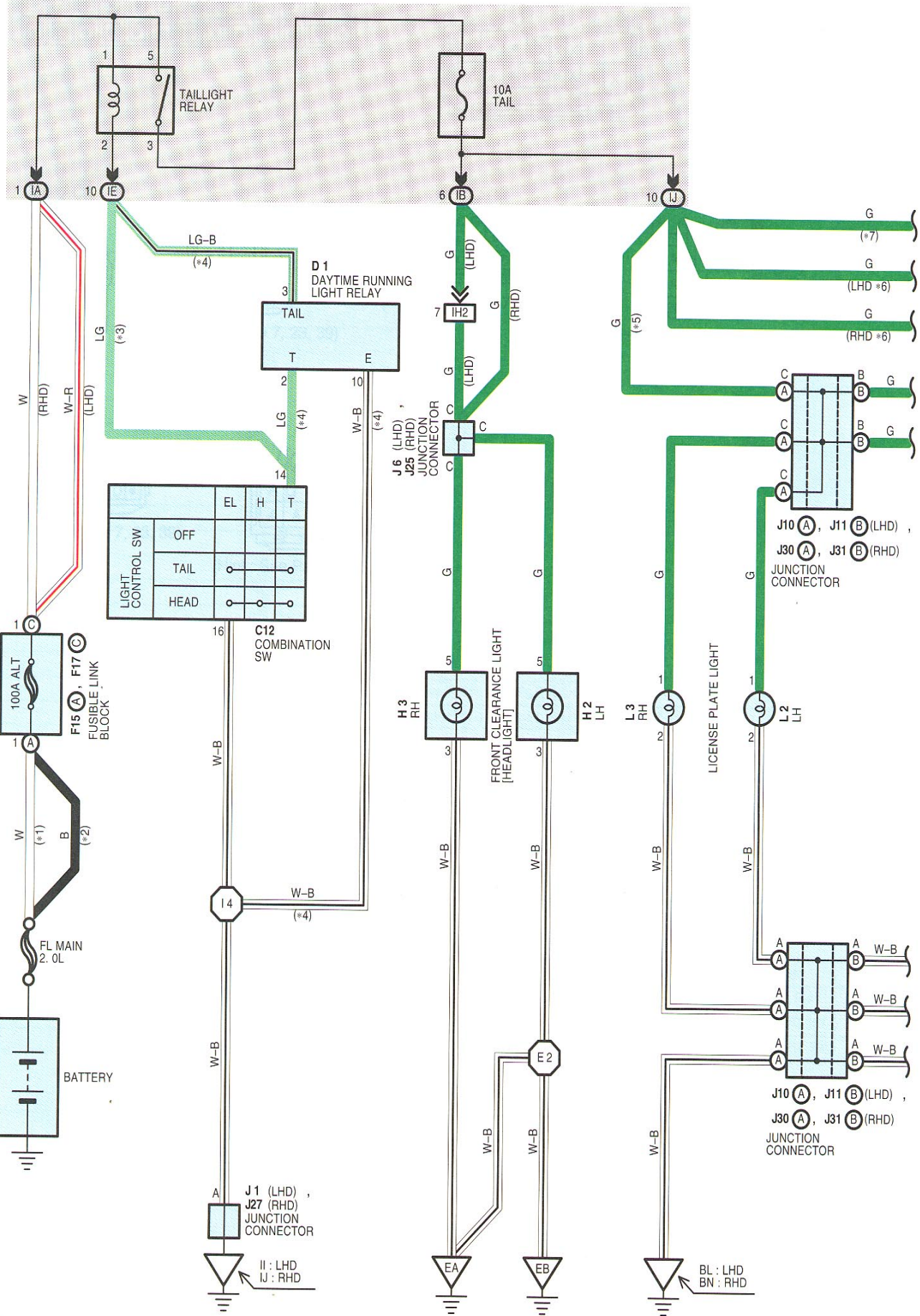
 : SPLICE POINTS

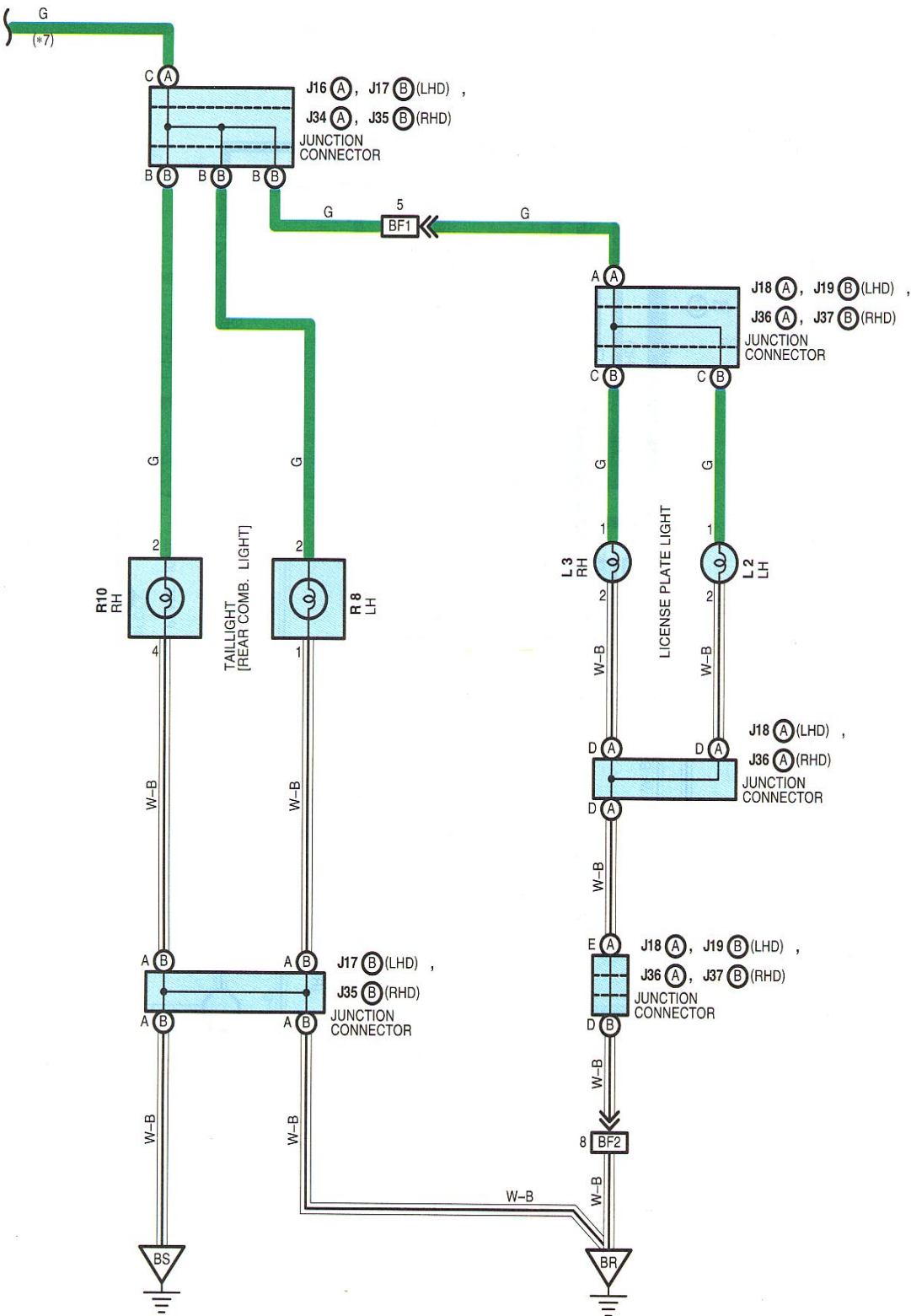
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	116 (LHD)	Cowl Wire	I18	134 (RHD)	Engine Room Main Wire
I18	116 (LHD)	Engine Room Main Wire	I19	134 (RHD)	Cowl Wire

HEADLIGHT (w/o DAYTIME RUNNING LIGHT)



TAILLIGHT





SERVICE HINTS

C12 COMBINATION SW

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

TAILLIGHT RELAY

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

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code		See Page		Code		See Page		Code		See Page			
C12		76 (LHD)		H2		90 (RHD *B)		J35	B	102 (RHD W/G)			
		94 (RHD)				92 (RHD 2C-TE)		J36	A	102 (RHD W/G)			
D1		76 (LHD)		H3		66 (LHD 3S-FE)		J37	B	102 (RHD W/G)			
F15	A	66 (LHD 3S-FE)				68 (LHD *A)		L2		80 (LHD S/D)			
		68 (LHD *A)				70 (LHD *B)						82 (LHD L/B)	
		70 (LHD *B)				72 (LHD 2C-TE)							
		72 (LHD 2C-TE)				74 (LHD 2C-T)						98 (RHD S/D)	
		74 (LHD 2C-T)				86 (RHD 3S-FE)							
		86 (RHD 3S-FE)				88 (RHD *A)						102 (RHD W/G)	
		88 (RHD *A)				90 (RHD *B)		80 (LHD S/D)					
		90 (RHD *B)				92 (RHD 2C-TE)				82 (LHD L/B)			
		92 (RHD 2C-TE)				J1		78 (LHD)				84 (LHD W/G)	
F17	C	66 (LHD 3S-FE)		J6		78 (LHD)		L3		98 (RHD S/D)			
		68 (LHD *A)		J10	A	80 (LHD S/D)						100 (RHD L/B)	
		70 (LHD *B)		J11	B	80 (LHD S/D)							
		72 (LHD 2C-TE)		J14	A	82 (LHD L/B)						80 (LHD S/D)	
		74 (LHD 2C-T)		J15	B	82 (LHD L/B)		82 (LHD L/B)					
		86 (RHD 3S-FE)		J16	A	84 (LHD W/G)				84 (LHD W/G)			
		88 (RHD *A)		J17	B	84 (LHD W/G)		98 (RHD S/D)					
		90 (RHD *B)		J18	A	84 (LHD W/G)				100 (RHD L/B)			
		92 (RHD 2C-TE)		J19	B	84 (LHD W/G)		102 (RHD W/G)					
H2		66 (LHD 3S-FE)		J25		96 (RHD)		R10		80 (LHD S/D)			
		68 (LHD *A)		J27		96 (RHD)				82 (LHD L/B)			
		70 (LHD *B)		J30	A	98 (RHD S/D)				84 (LHD W/G)			
		72 (LHD 2C-TE)		J31	B	98 (RHD S/D)				98 (RHD S/D)			
		74 (LHD 2C-T)		J32	A	100 (RHD L/B)				100 (RHD L/B)			
		86 (RHD 3S-FE)		J33	B	100 (RHD L/B)				102 (RHD W/G)			
		88 (RHD *A)		J34	A	102 (RHD W/G)							

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)

TAILLIGHT



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
BD1	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
	138 (RHD L/B)	
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	
BF2	122 (LHD W/G)	
	140 (RHD W/G)	



: GROUND POINTS

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
EB	130 (RHD 2C-TE)	Under the Headlight LH
	104 (LHD 3S-FE)	
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
II	114 (LHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
	136 (RHD S/D)	
BN	136 (RHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
	138 (RHD L/B)	
BP	120 (LHD L/B)	Back Panel Center
	138 (RHD L/B)	
BQ	120 (LHD L/B)	Back Door Center
	138 (RHD L/B)	
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	
BS	122 (LHD W/G)	Rear Quarter Panel RH
	140 (RHD W/G)	

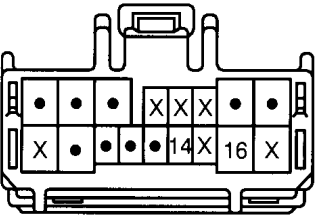


: SPLICE POINTS

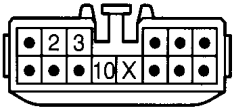
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	E2	126 (RHD *A)	Engine Room Main Wire
	106 (LHD *A)			128 (RHD *B)	
	108 (LHD *B)			130 (RHD 2C-TE)	
	110 (LHD 2C-TE)		I4	116 (LHD)	Cowl Wire
	112 (LHD 2C-T)		B6	120 (LHD L/B)	Back Door No.1 Wire
	124 (RHD 3S-FE)		B8	138 (RHD L/B)	

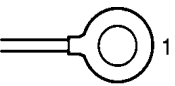
C12



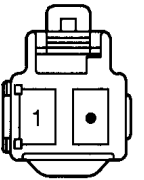
D1 BLUE



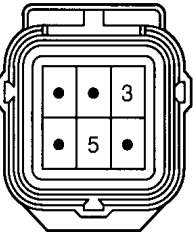
F15 (A)



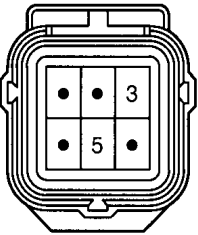
F17 (C) BLUE



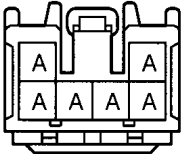
H2 BLACK



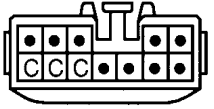
H3 BLACK



J1



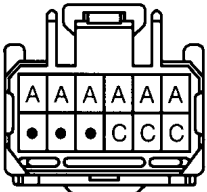
J6 BLACK



(Hint : See Page 7, 23, 39)

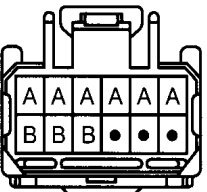
(Hint : See Page 7, 23, 39)

J10 (A) GRAY



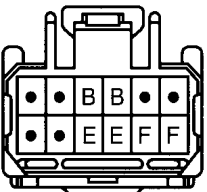
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



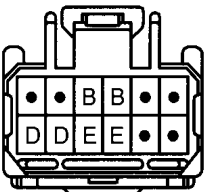
(Hint : See Page 7, 23, 39)

J14 (A)



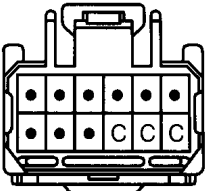
(Hint : See Page 7, 23, 39)

J15 (B)



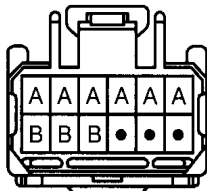
(Hint : See Page 7, 23, 39)

J16 (A) GRAY



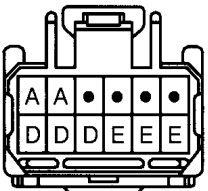
(Hint : See Page 7, 23, 39)

J17 (B) GRAY



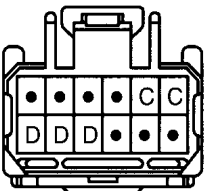
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



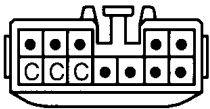
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



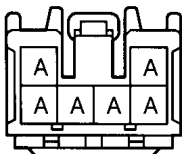
(Hint : See Page 7, 23, 39)

J25 BLACK



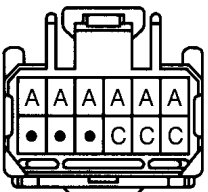
(Hint : See Page 7, 23, 39)

J27



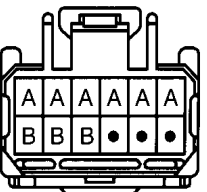
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



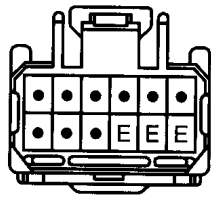
(Hint : See Page 7, 23, 39)

J31 (B) GARY



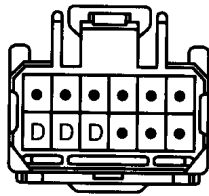
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



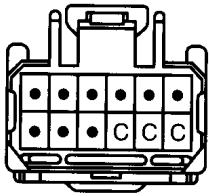
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



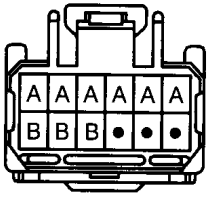
(Hint : See Page 7, 23, 39)

J34 (A) GRAY



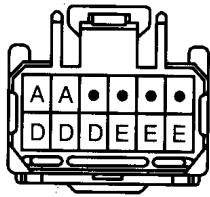
(Hint : See Page 7, 23, 39)

J35 (B) GRAY



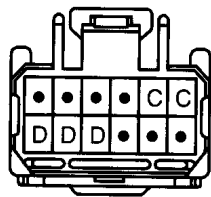
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



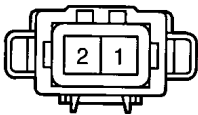
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

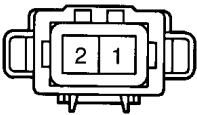


(Hint : See Page 7, 23, 39)

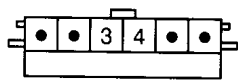
L2 BLACK



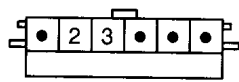
L3 BLACK



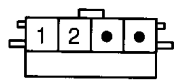
(S/D) R8 BLACK



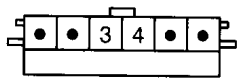
(L/B) R8 BLACK



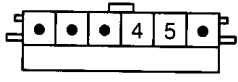
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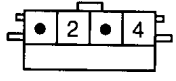
(S/D) R10 BLACK



(L/B) R10 BLACK

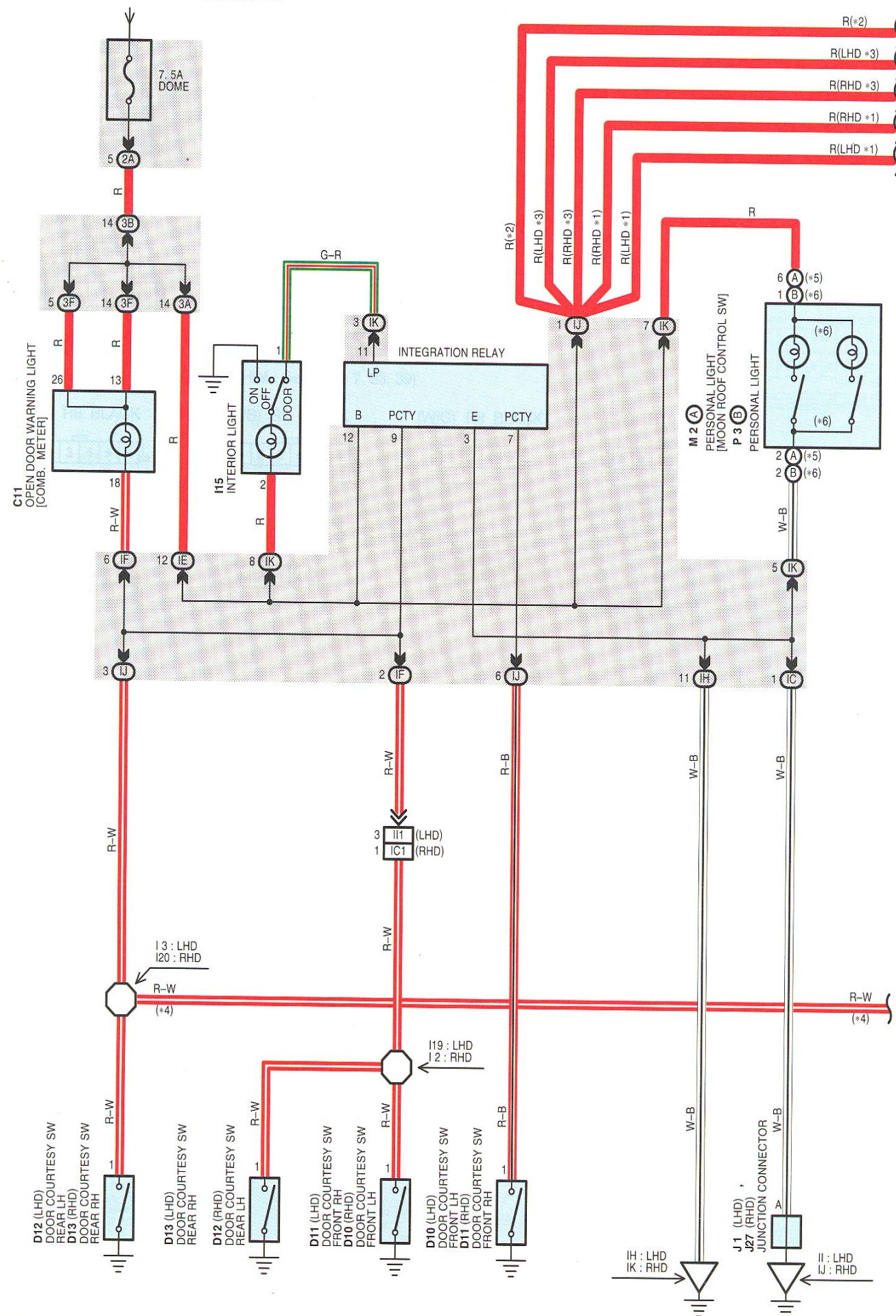


(W/G) R10 BLACK

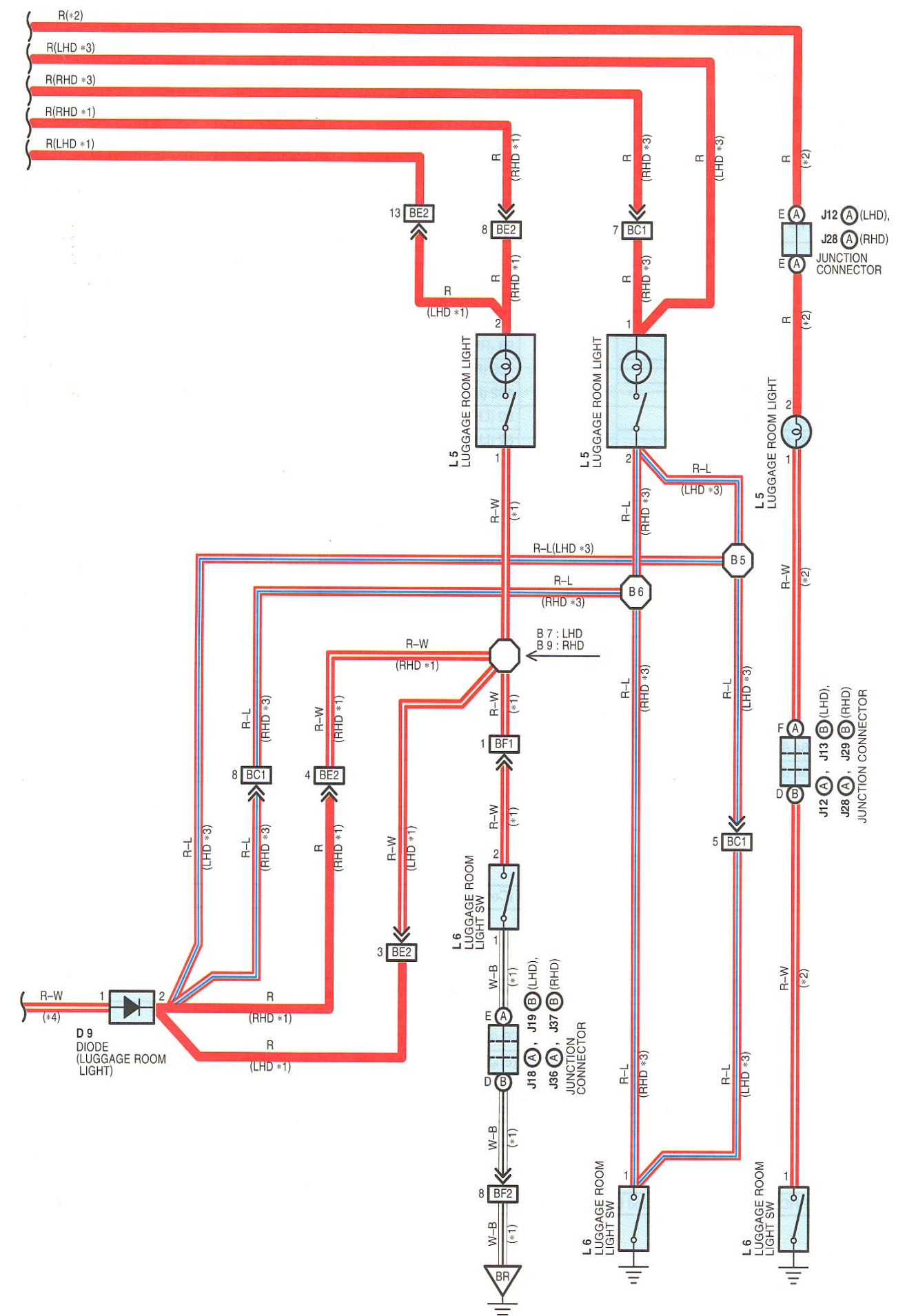


INTERIOR LIGHT

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1 : W/G * 4 : EXCEPT *2
* 2 : S/D * 5 : W/ MOON ROOF
* 3 : L/B * 6 : W/O MOON ROOF



INTERIOR LIGHT

SERVICE HINTS

D10, D11, D12, D13 DOOR COURTESY SW FRONT LH, RH, REAR LH, RH

1-GROUND : Closed with the door open

L6 LUGGAGE ROOM LIGHT SW

1-GROUND : Closed with the luggage compartment door open (S/D)

1-GROUND : Closed with the back door open (L/B)

2-1 : Closed with the back door open (W/G)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C11	76 (LHD)	D13	80 (LHD S/D)	L5	84 (LHD W/G)
	94 (RHD)		82 (LHD L/B)		98 (RHD S/D)
D9	82 (LHD L/B)		84 (LHD W/G)		100 (RHD L/B)
	84 (LHD W/G)		98 (RHD S/D)		102 (RHD W/G)
	100 (RHD L/B)		100 (RHD L/B)	L6	80 (LHD S/D)
	102 (RHD W/G)		102 (RHD W/G)		82 (LHD L/B)
D10	80 (LHD S/D)	I15	80 (LHD S/D)		84 (LHD W/G)
	82 (LHD L/B)		82 (LHD L/B)		98 (RHD S/D)
	84 (LHD W/G)		84 (LHD W/G)		100 (RHD L/B)
	98 (RHD S/D)		98 (RHD S/D)		102 (RHD W/G)
	100 (RHD L/B)		100 (RHD L/B)	M2	80 (LHD S/D)
D11	102 (RHD W/G)		102 (RHD W/G)		82 (LHD L/B)
	80 (LHD S/D)	J1	78 (LHD)		84 (LHD W/G)
	82 (LHD L/B)	J12	A		98 (RHD S/D)
	84 (LHD W/G)	J13	B		100 (RHD L/B)
	98 (RHD S/D)	J18	A		102 (RHD W/G)
	100 (RHD L/B)	J19	B	P3	80 (LHD S/D)
D12	102 (RHD W/G)	J27			82 (LHD L/B)
	80 (LHD S/D)	J28	A		84 (LHD W/G)
	82 (LHD L/B)	J29	B		98 (RHD S/D)
	84 (LHD W/G)	J36	A		100 (RHD L/B)
	98 (RHD S/D)	J37	B		102 (RHD W/G)
	100 (RHD L/B)	L5			
	102 (RHD W/G)				

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
IK	59	Roof Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
BC1	120 (LHD L/B)	Floor Wire and Floor Wire (Under the Left Quarter Pillar)
	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Quarter Pillar)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	
BF2	122 (LHD W/G)	
	140 (RHD W/G)	

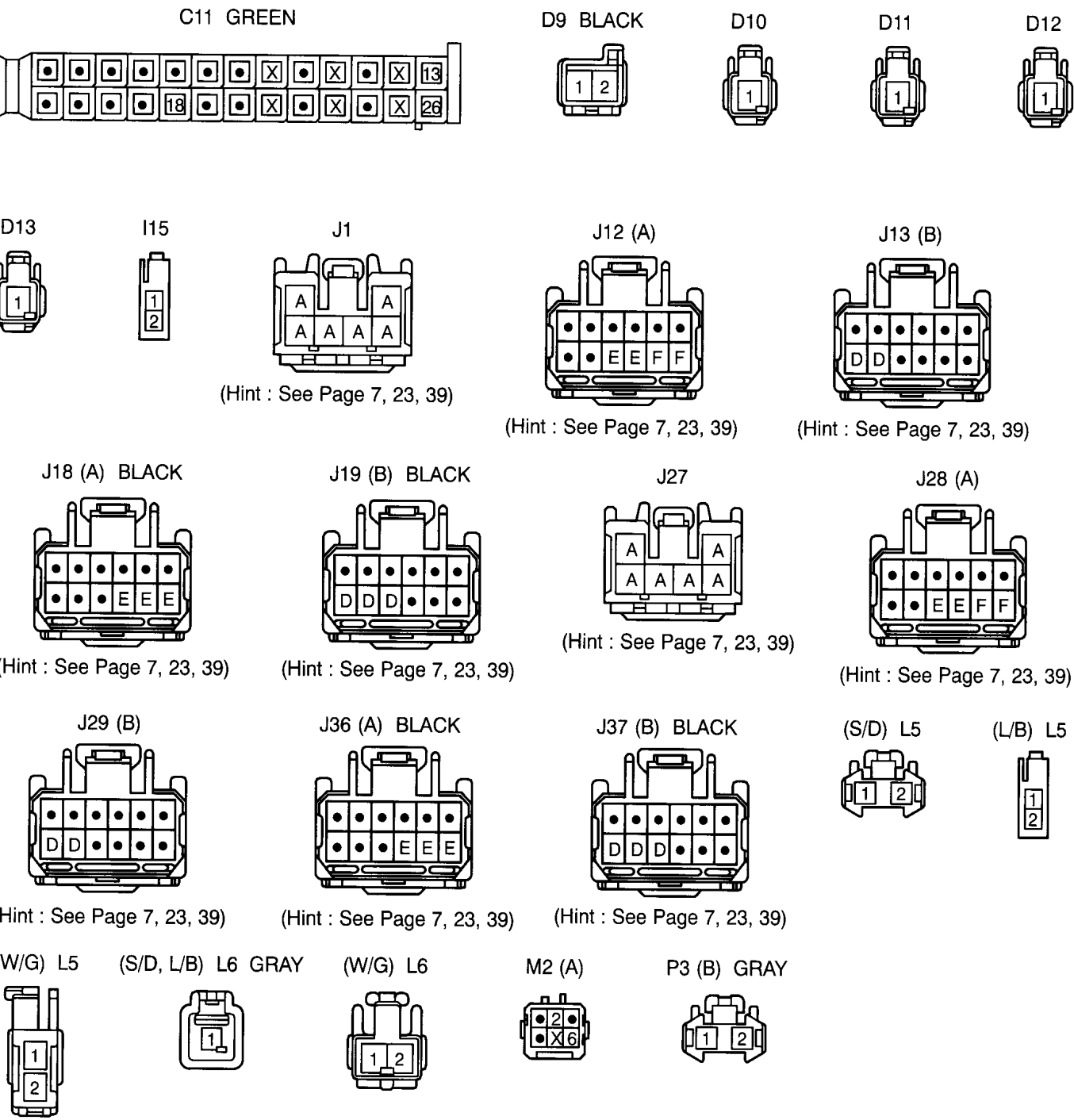
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	116 (LHD)	Cowl Wire	I20	134 (RHD)	Floor Wire
	134 (RHD)	Floor No.2 Wire	B5	120 (LHD L/B)	
I3	116 (LHD)	Floor Wire	B6	138 (RHD L/B)	Roof No.3 Wire
	134 (RHD)	Engine Wire	B7	122 (LHD W/G)	
I19	116 (LHD)	Floor No.2 Wire	B9	140 (LHD W/G)	

INTERIOR LIGHT



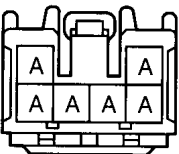
D13



I15

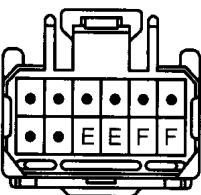


J1



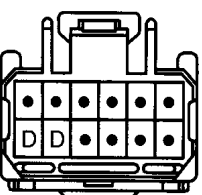
(Hint : See Page 7, 23, 39)

J12 (A)



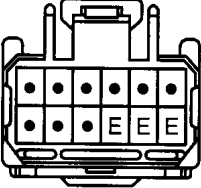
(Hint : See Page 7, 23, 39)

J13 (B)



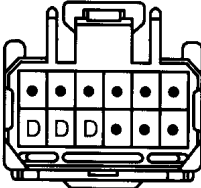
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



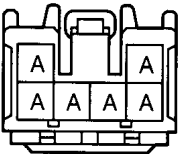
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



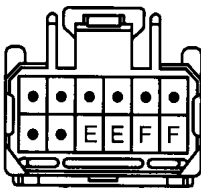
(Hint : See Page 7, 23, 39)

J27



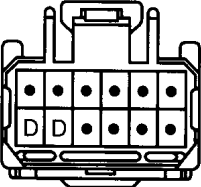
(Hint : See Page 7, 23, 39)

J28 (A)



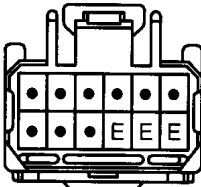
(Hint : See Page 7, 23, 39)

J29 (B)



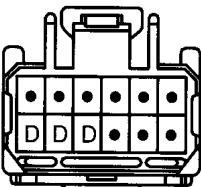
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



(Hint : See Page 7, 23, 39)

J37 (B) BLACK



(Hint : See Page 7, 23, 39)

(S/D) L5



(L/B) L5



(W/G) L5



(S/D, L/B) L6 GRAY



(W/G) L6



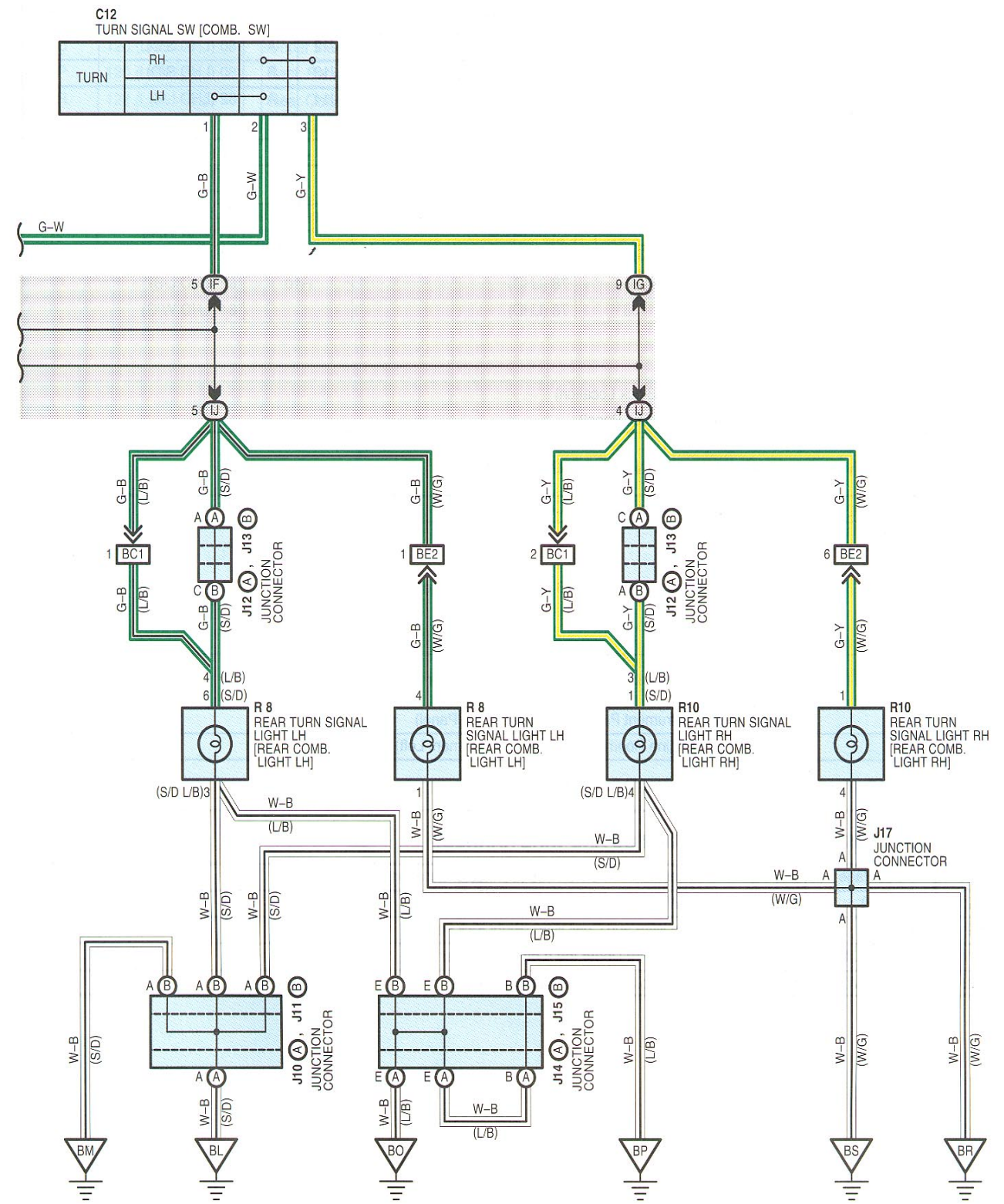
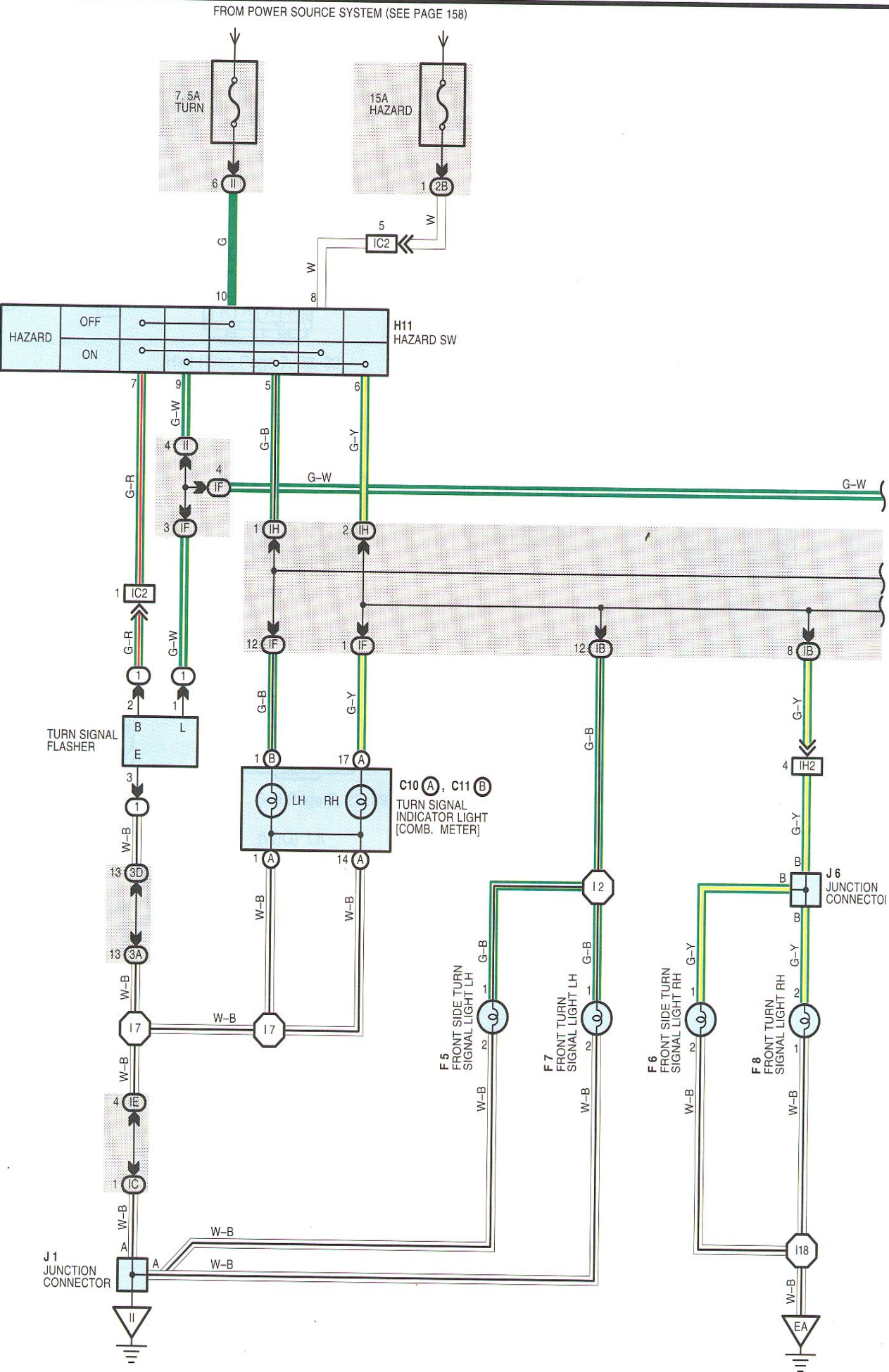
M2 (A)



P3 (B) GRAY



TURN SIGNAL AND HAZARD WARNING LIGHT (LHD)



TURN SIGNAL AND HAZARD WARNING LIGHT (LHD)

SERVICE HINTS

TURN SIGNAL FLASHER

- 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 LH or RH position, or with the hazard SW on
- 3-GROUND : Always continuity

PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page	
C10	A	76 (LHD)	F7	66 (LHD 3S-FE)	J10	A	80 (LHD S/D)
C11	B	76 (LHD)		68 (LHD *A)	J11	B	80 (LHD S/D)
C12		76 (LHD)		70 (LHD *B)	J12	A	80 (LHD S/D)
F5	66 (LHD 3S-FE)			72 (LHD 2C-TE)	J13	B	80 (LHD S/D)
	68 (LHD *A)		74 (LHD 2C-T)	J14	A	82 (LHD L/B)	
	70 (LHD *B)		F8	66 (LHD 3S-FE)	J15	B	82 (LHD L/B)
	72 (LHD 2C-TE)			68 (LHD *A)	J17		84 (LHD W/G)
74 (LHD 2C-T)		70 (LHD *B)		R8	80 (LHD S/D)		
F6	66 (LHD 3S-FE)				72 (LHD 2C-TE)	82 (LHD L/B)	
	68 (LHD *A)		74 (LHD 2C-T)		84 (LHD W/G)		
	70 (LHD *B)		H11	78 (LHD)	R10	80 (LHD S/D)	
	72 (LHD 2C-TE)		J1	78 (LHD)		82 (LHD L/B)	
	74 (LHD 2C-T)		J6	78 (LHD)		84 (LHD W/G)	

RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	53 (LHD)	Driver Side R/B (Left Kick Panel)

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IC		
IE	59	
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3D		

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
BC1	120 (LHD L/B)	Floor Wire and Floor Wire Under the (Left Quarter Pillar)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)



GROUND POINTS

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

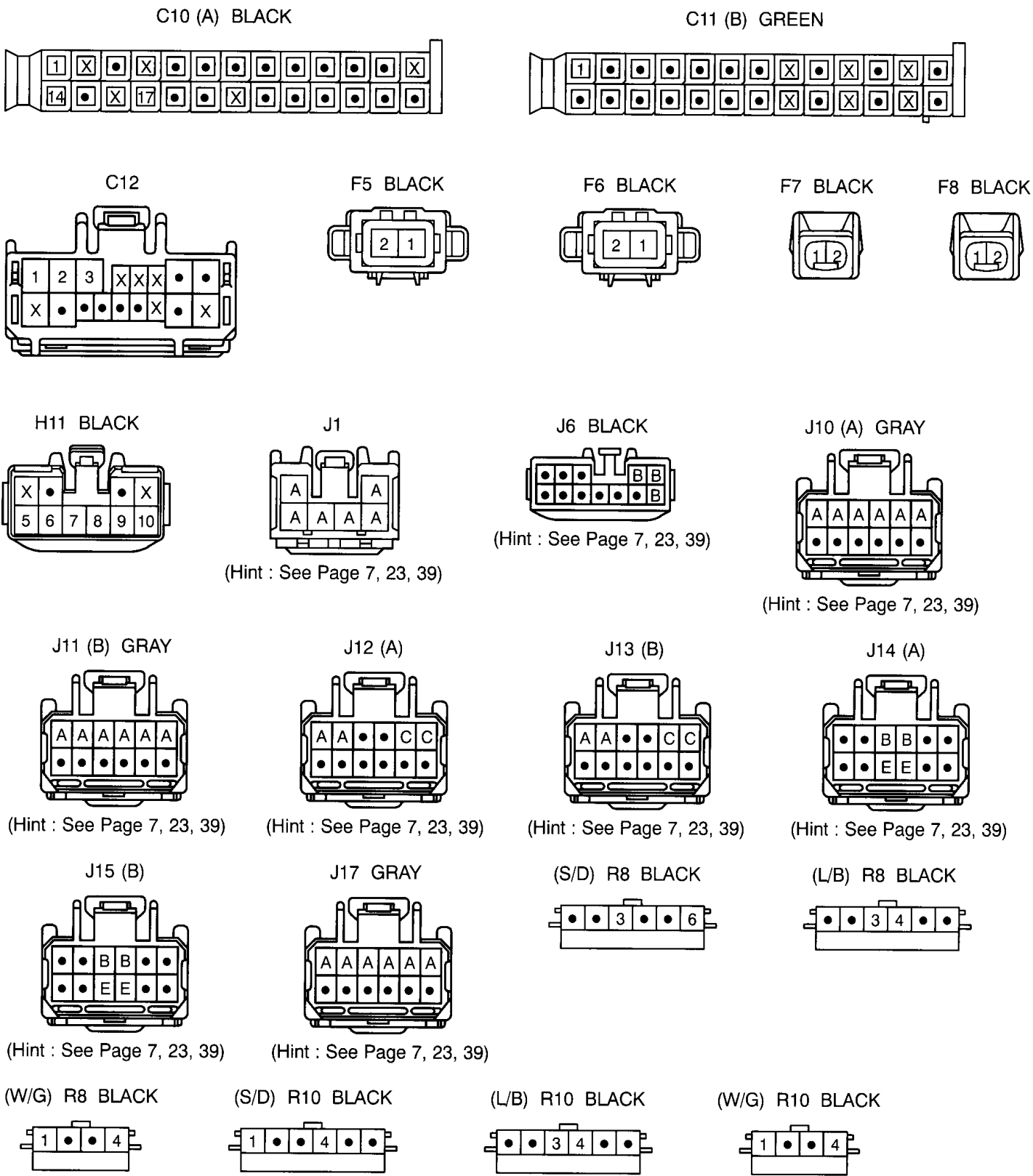
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
II	114 (LHD)	Left Kick Panel
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
BO	120 (LHD L/B)	Under the Left Quarter Pillar
BP	120 (LHD L/B)	Back Panel Center
BR	122 (LHD W/G)	Rear Quarter Panel LH
BS	122 (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
I2	116 (LHD)	Cowl Wire	I18	116 (LHD)	Engine Room Main Wire
I7					

TURN SIGNAL AND HAZARD WARNING LIGHT (LHD)



C12

F5 BLACK

F6 BLACK

F7 BLACK

F8 BLACK

H11 BLACK

J1

J6 BLACK

J10 (A) GRAY

J11 (B) GRAY

J12 (A)

J13 (B)

J14 (A)

J15 (B)

J17 GRAY

(S/D) R8 BLACK

(L/B) R8 BLACK

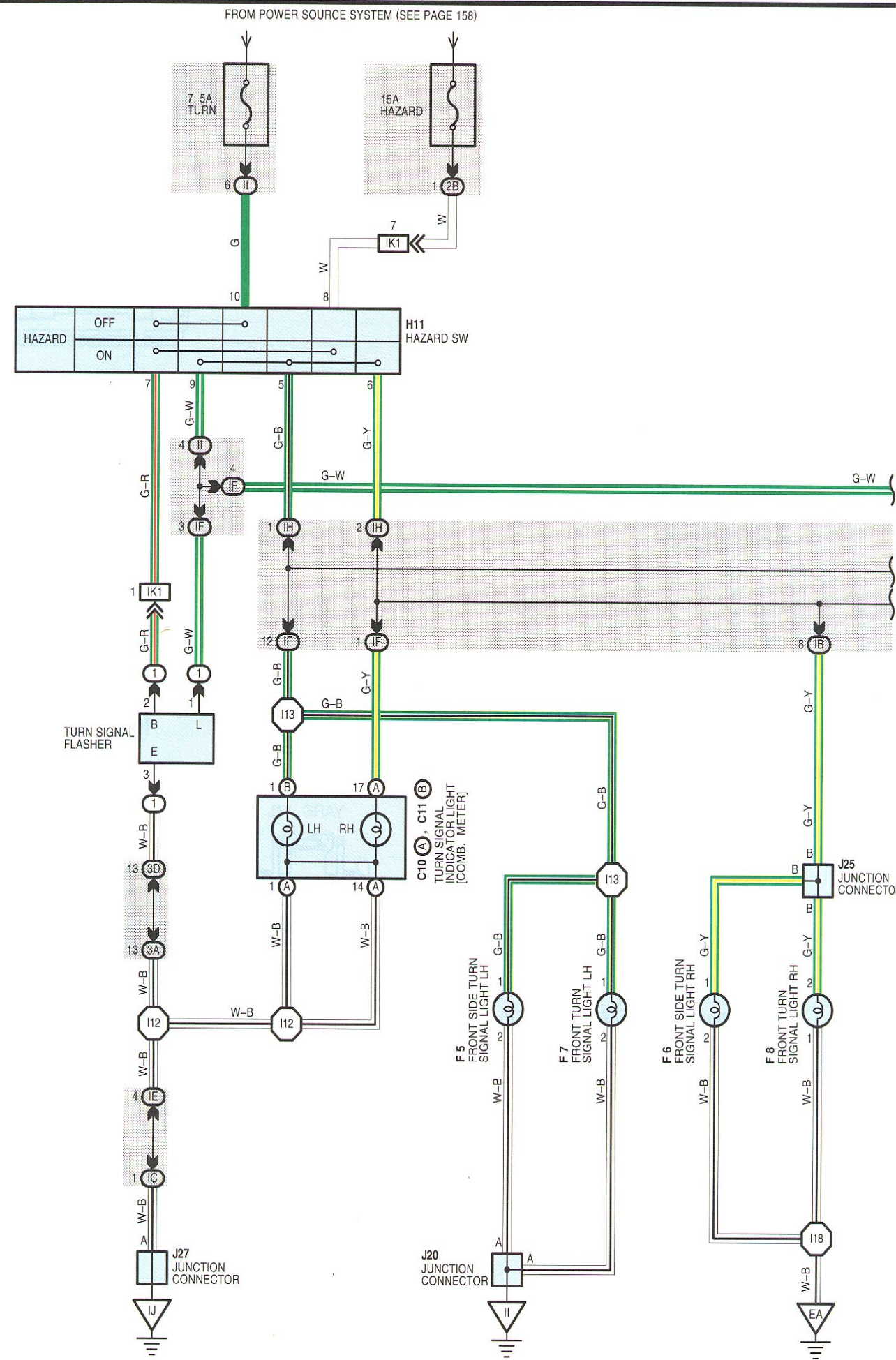
(W/G) R8 BLACK

(S/D) R10 BLACK

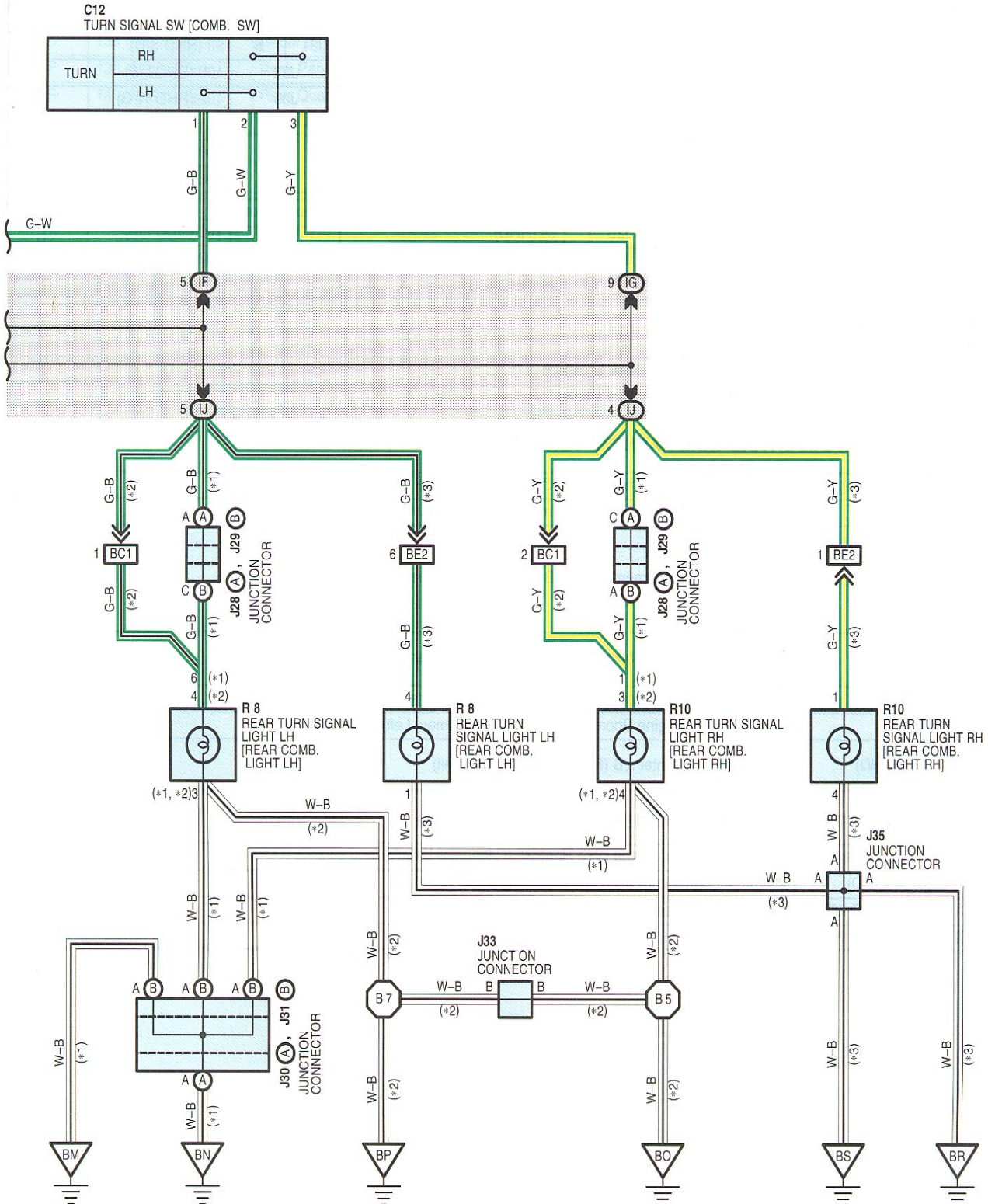
(L/B) R10 BLACK

(W/G) R10 BLACK

TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)



* 1 : S/D
* 2 : L/B
* 3 : W/G



TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)

SERVICE HINTS

TURN SIGNAL FLASHER

- 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 **LH** or **RH** position, or with the hazard SW on
- 3-GROUND : Always continuity

⊙ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	A	94 (RHD)	F7	88 (RHD *A)	J29	B	98 (RHD S/D)	
C11	B	94 (RHD)		90 (RHD *B)	J30	A	98 (RHD S/D)	
C12		94 (RHD)		92 (RHD 2C-TE)	J31	B	98 (RHD S/D)	
F5	86 (RHD 3S-FE)		F8	86 (RHD 3S-FE)	J33		100 (RHD L/B)	
	88 (RHD *A)			88 (RHD *A)	J35		102 (RHD W/G)	
	90 (RHD *B)			90 (RHD *B)	R8	98 (RHD S/D)		
	92 (RHD 2C-TE)			92 (RHD 2C-TE)		100 (RHD L/B)		
F6	86 (RHD 3S-FE)		H11	96 (RHD)		R10	102 (RHD W/G)	
	88 (RHD *A)		J20	96 (RHD)	98 (RHD S/D)			
	90 (RHD *B)		J25	96 (RHD)	100 (RHD L/B)			
	92 (RHD 2C-TE)		J27	96 (RHD)	102 (RHD W/G)			
F7		86 (RHD 3S-FE)	J28	A	98 (RHD S/D)			

⊖ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	53 (RHD)	Driver Side R/B (Right Kick Panel)

⊖ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D		

⊖ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)
BC1	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Qurter Pillar)
BE2	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Qurter Panel)



: GROUND POINTS

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

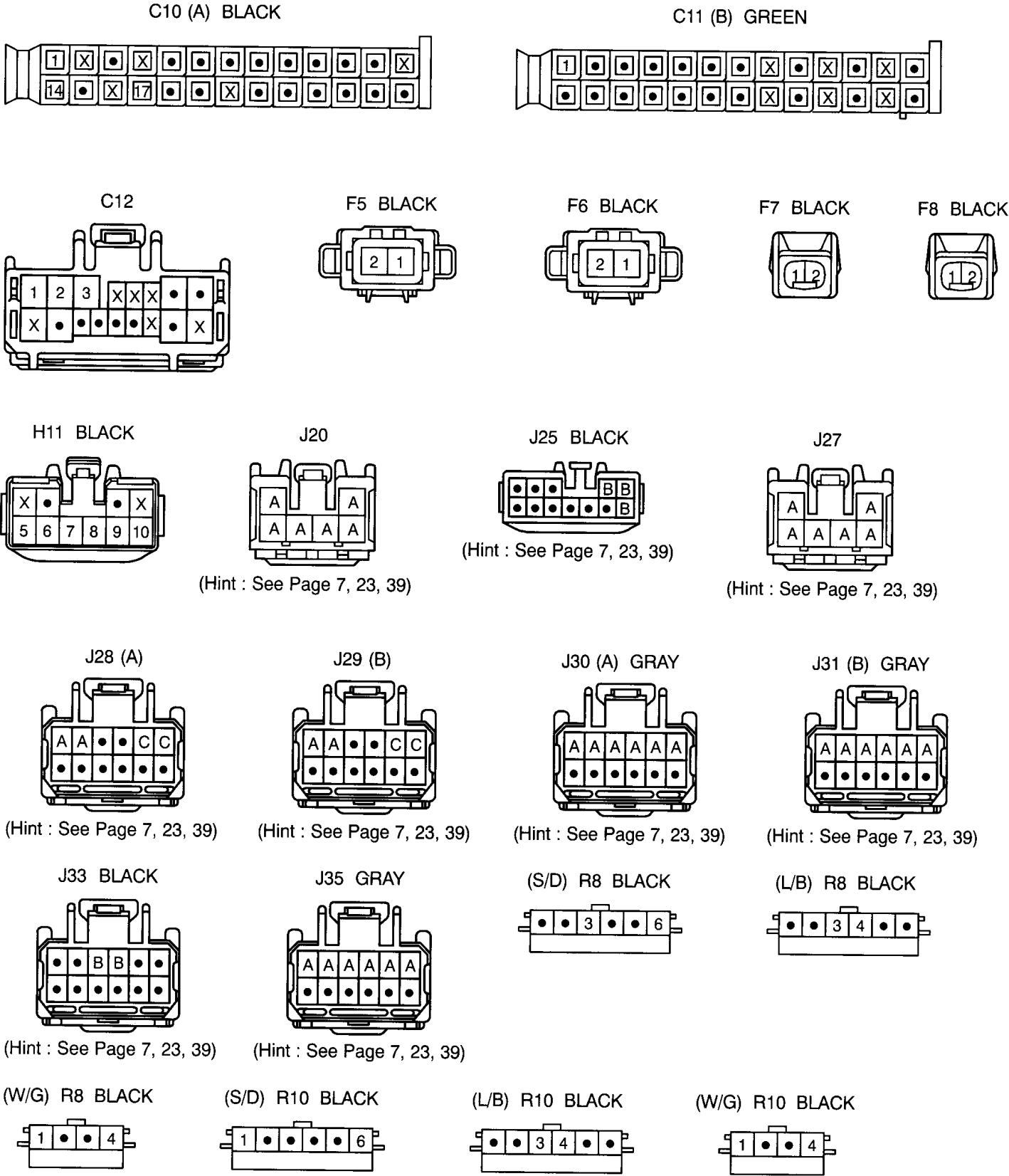
Code	See Page	Ground Points Location
EA	124 (RHD 3S-FE)	Under the Headlight RH
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
II	132 (RHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
BM	136 (RHD S/D)	Back Panel Center
BN	136 (RHD S/D)	Right Quarter Pillar
BO	138 (RHD L/B)	Under the Left Quarter Pillar
BP	138 (RHD L/B)	Back Panel Center
BR	140 (RHD W/G)	Rear Quarter Panel LH
BS	140 (RHD W/G)	Rear Quarter Panel RH



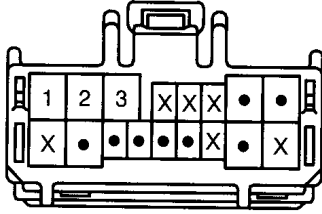
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I12	134 (RHD)	Cowl Wire	B5	138 (RHD L/B)	Floor Wire
I13			B7		
I18	134 (RHD)	Engine Room Main Wire			

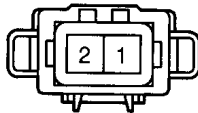
TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)



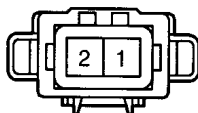
C12



F5 BLACK



F6 BLACK



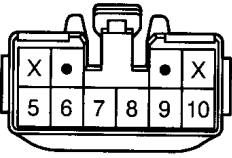
F7 BLACK



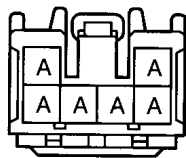
F8 BLACK



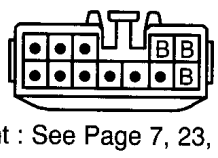
H11 BLACK



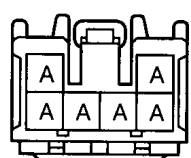
J20



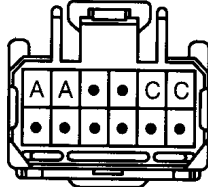
J25 BLACK



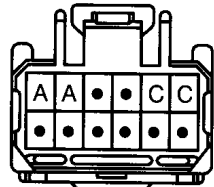
J27



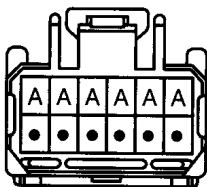
J28 (A)



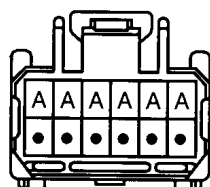
J29 (B)



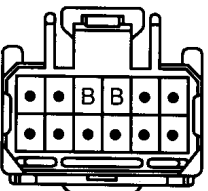
J30 (A) GRAY



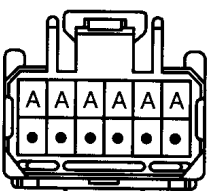
J31 (B) GRAY



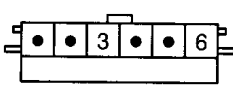
J33 BLACK



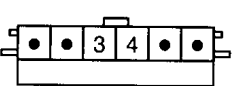
J35 GRAY



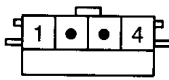
(S/D) R8 BLACK



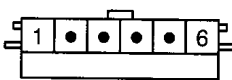
(L/B) R8 BLACK



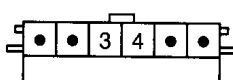
(W/G) R8 BLACK



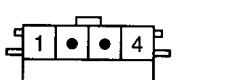
(S/D) R10 BLACK



(L/B) R10 BLACK

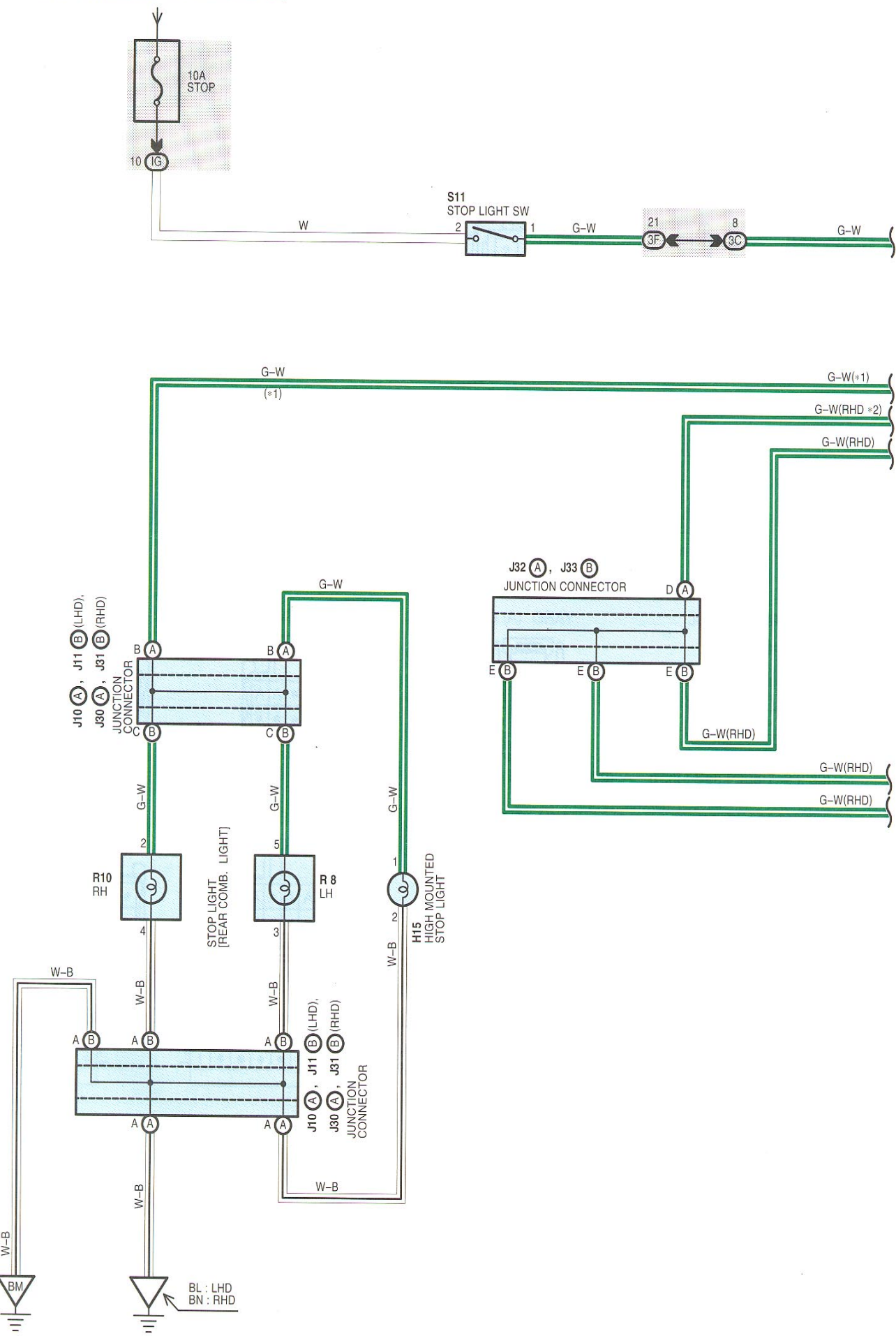


(W/G) R10 BLACK

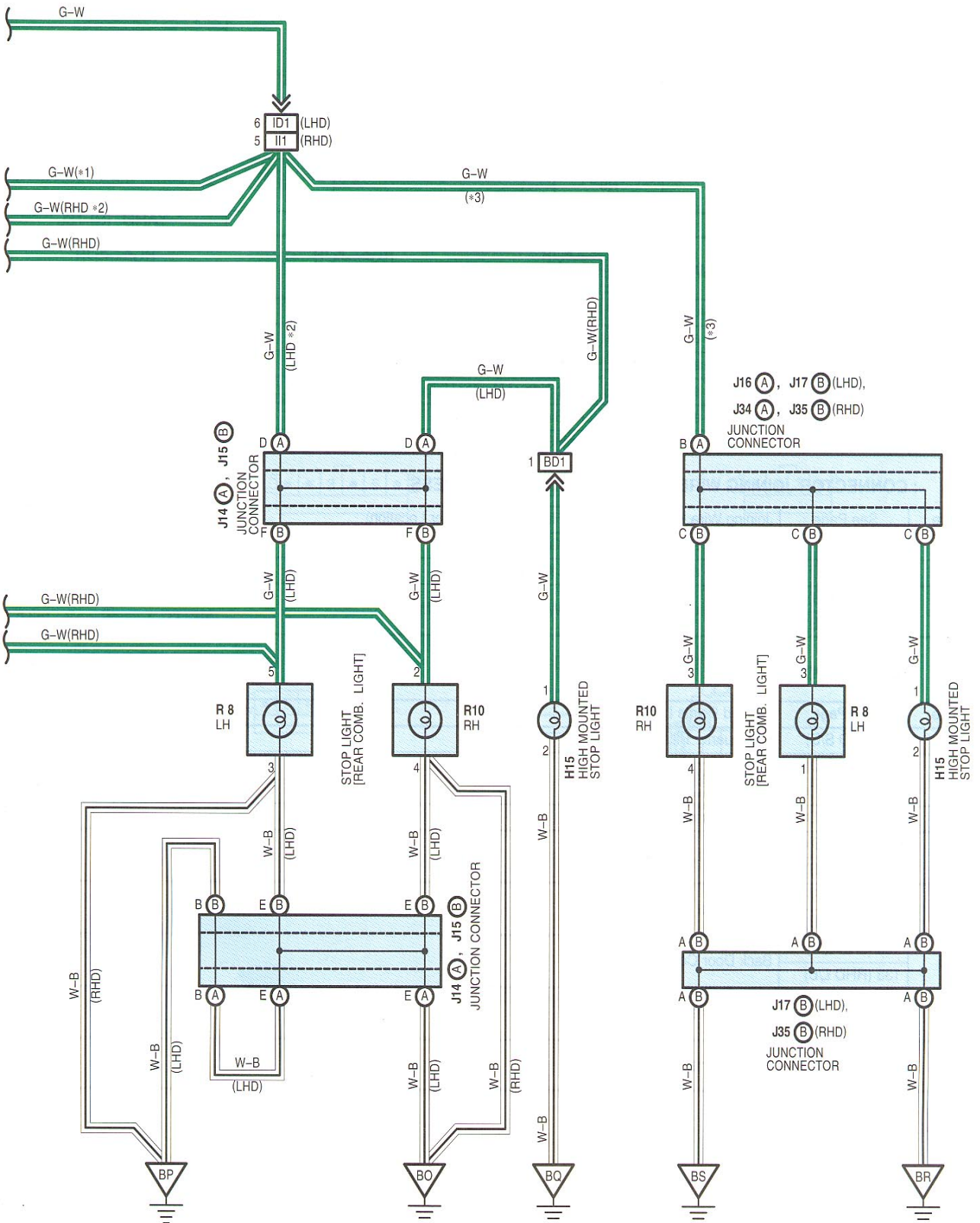


STOP LIGHT

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1: S/D
* 2: L/B
* 3: W/G



STOP LIGHT

SERVICE HINTS

S11 STOP LIGHT SW

2-1 : Closed with the brake pedal depressed

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
H15		80 (LHD S/D)	J17	B	84 (LHD W/G)	R8		100 (RHD L/B)
		82 (LHD L/B)	J30	A	98 (RHD S/D)			102 (RHD W/G)
		84 (LHD W/G)	J31	B	98 (RHD S/D)			80 (LHD S/D)
		98 (RHD S/D)	J32	A	100 (RHD L/B)			82 (LHD L/B)
		100 (RHD L/B)	J33	B	100 (RHD L/B)			84 (LHD W/G)
		102 (RHD W/G)	J34	A	102 (RHD W/G)			98 (RHD S/D)
J10	A	80 (LHD S/D)	J35	B	102 (RHD W/G)	R10		80 (LHD S/D)
J11	B	80 (LHD S/D)	R8		80 (LHD S/D)			82 (LHD L/B)
J14	A	82 (LHD L/B)			82 (LHD L/B)			84 (LHD W/G)
J15	B	82 (LHD L/B)			84 (LHD W/G)			98 (RHD S/D)
J16	A	84 (LHD W/G)			98 (RHD S/D)			100 (RHD L/B)
								102 (RHD W/G)
						S11		78 (LHD)
								96 (RHD)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IG	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

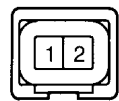
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
II1	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)
BD1	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
	138 (RHD L/B)	

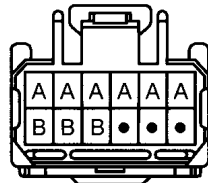
▽ : GROUND POINTS

Code	See Page	Ground Points Location
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
	136 (RHD S/D)	
BN	136 (RHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
	138 (RHD L/B)	
BP	120 (LHD L/B)	Back Panel Center
	138 (RHD L/B)	
BQ	120 (LHD L/B)	Back Door Center
	138 (RHD L/B)	
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	
BS	122 (LHD W/G)	Rear Quarter Panel RH
	140 (RHD W/G)	

H15 GRAY

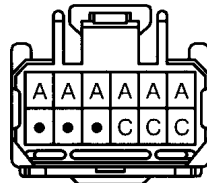


J10 (A) GRAY



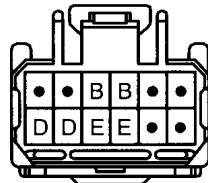
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



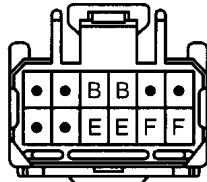
(Hint : See Page 7, 23, 39)

J14 (A)



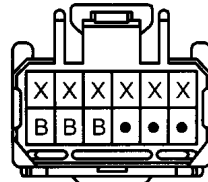
(Hint : See Page 7, 23, 39)

J15 (B)



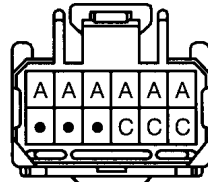
(Hint : See Page 7, 23, 39)

J16 (A) GRAY



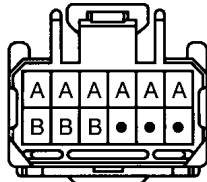
(Hint : See Page 7, 23, 39)

J17 (B) GRAY



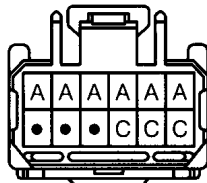
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



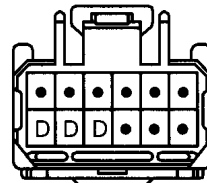
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



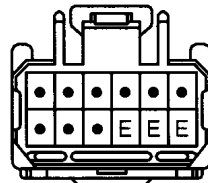
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



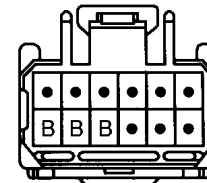
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



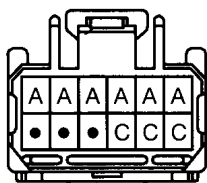
(Hint : See Page 7, 23, 39)

J34 (A) GRAY



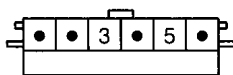
(Hint : See Page 7, 23, 39)

J35 (B) GRAY

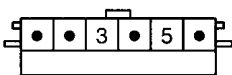


(Hint : See Page 7, 23, 39)

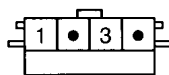
(S/D) R8 BLACK



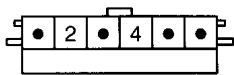
(L/B) R8 BLACK



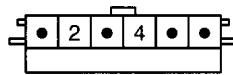
(W/G) R8 BLACK



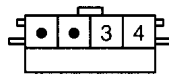
(S/D) R10 BLACK



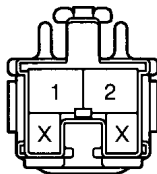
(L/B) R10 BLACK



(W/G) R10 BLACK

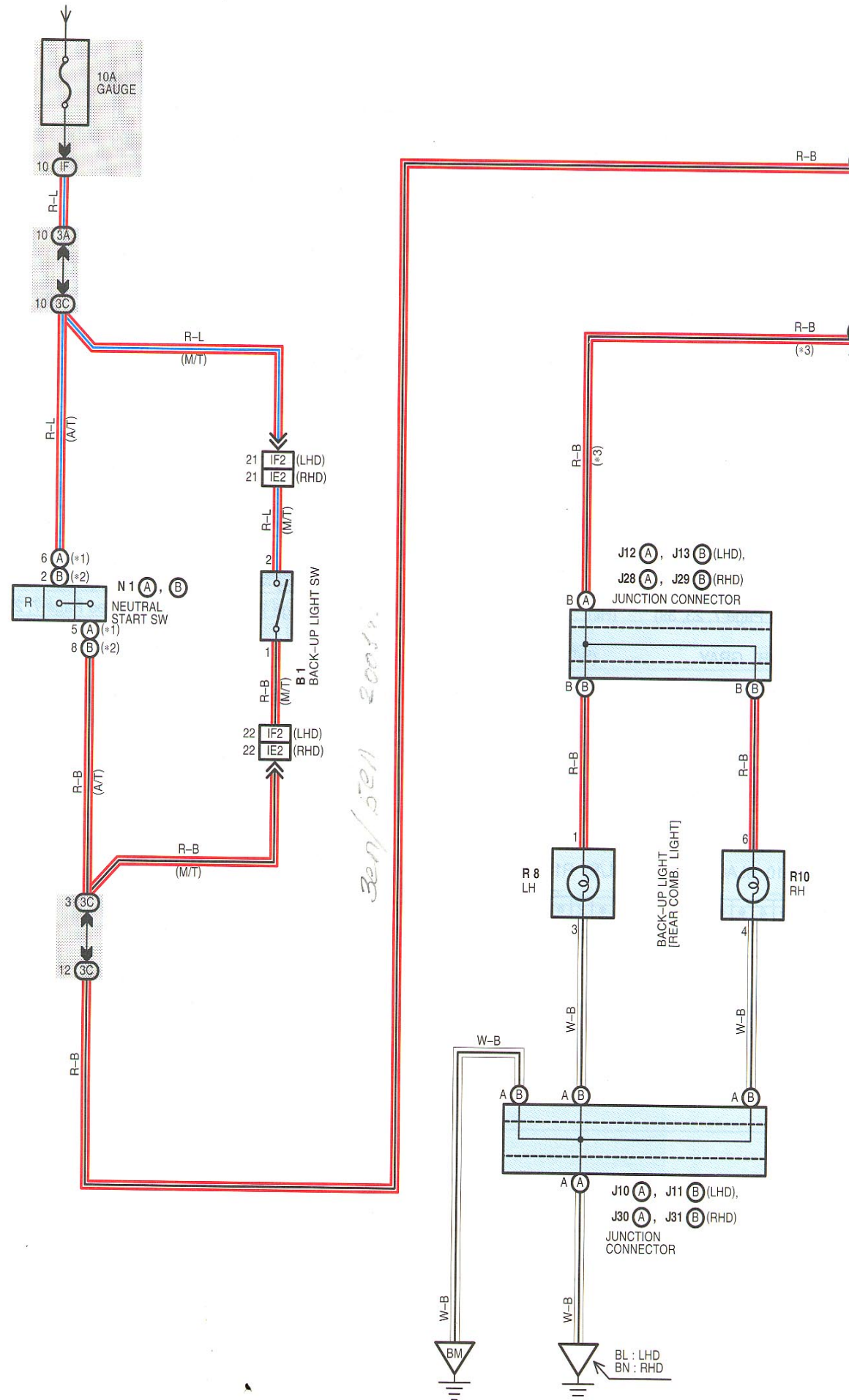


S11 BLACK



BACK-UP LIGHT

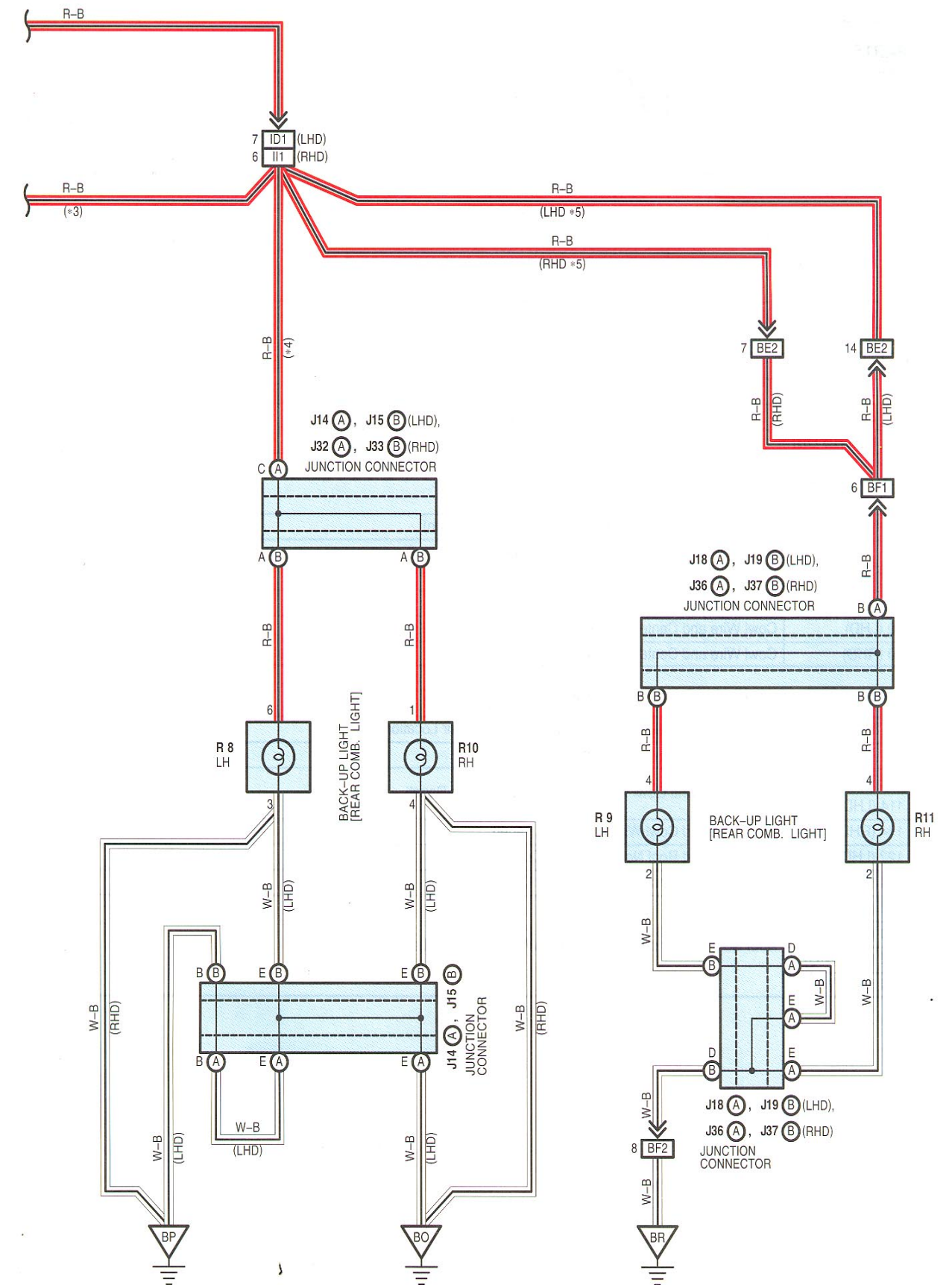
FROM POWER SOURCE SYSTEM (SEE PAGE 158)



327/5E11 2008.

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- * 1 : 3S-FE
- * 2 : 4A-FE, 7A-FE
- * 3 : S/D
- * 4 : L/B
- * 5 : W/G



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BACK-UP LIGHT

SERVICE HINTS

N1 (A), (B) NEUTRAL START SW (A/T)

(A) 6-(A) 5, (B) 2-(B) 8 : Closed with the shift lever at **R** position

B1 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
B1		66 (LHD 3S-FE)	J15	B	82 (LHD L/B)	N1	B	70 (LHD *B)
		68 (LHD *A)	J18	A	84 (LHD W/G)			88 (RHD *A)
		70 (LHD *B)	J19	B	84 (LHD W/G)	R8		80 (LHD S/D)
		72 (LHD 2C-TE)	J28	A	98 (RHD S/D)			82 (LHD L/B)
		74 (LHD 2C-T)	J29	B	98 (RHD S/D)			98 (RHD S/D)
		86 (RHD 3S-FE)	J30	A	98 (RHD S/D)			100 (RHD L/B)
		88 (RHD *A)	J31	B	98 (RHD S/D)	R9		84 (LHD W/G)
		90 (RHD *B)	J32	A	100 (RHD L/B)			102 (RHD W/G)
		92 (RHD 2C-TE)	J33	B	100 (RHD L/B)	R10		80 (LHD S/D)
J10	A	80 (LHD S/D)	J36	A	102 (RHD W/G)			82 (LHD L/B)
J11	B	80 (LHD S/D)	J37	B	102 (RHD W/G)			98 (RHD S/D)
J12	A	80 (LHD S/D)	N1	A	66 (LHD 3S-FE)			100 (RHD L/B)
J13	B	80 (LHD S/D)			86 (RHD 3S-FE)	R11		84 (LHD W/G)
J14	A	82 (LHD L/B)		B	68 (LHD *A)			102 (RHD W/G)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IF	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	
II1	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	
BF2	122 (LHD W/G)	
	140 (RHD W/G)	



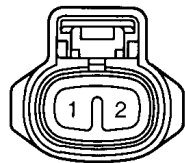
: GROUND POINTS

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

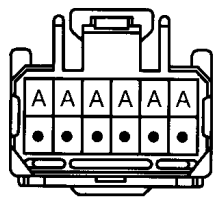
Code	See Page	Ground Points Location
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
	136 (RHD S/D)	
BN	136 (RHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
	138 (RHD L/B)	
BP	120 (LHD L/B)	Back Panel Center
	138 (RHD L/B)	
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	

BACK-UP LIGHT

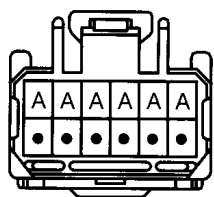
B1 GRAY



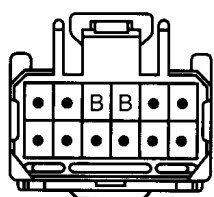
J10 (A) GRAY



J11 (B) GRAY

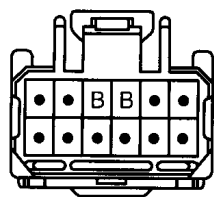


J12 (A)



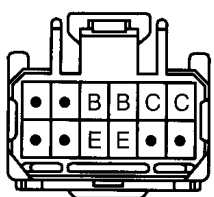
(Hint : See Page 7, 23, 39) (Hint : See Page 7, 23, 39) (Hint : See Page 7, 23, 39)

J13 (B)



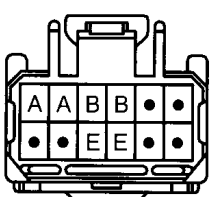
(Hint : See Page 7, 23, 39)

J14 (A)



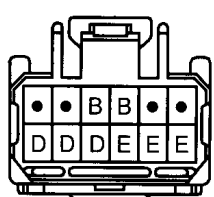
(Hint : See Page 7, 23, 39)

J15 (B)



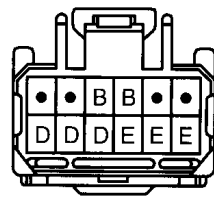
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



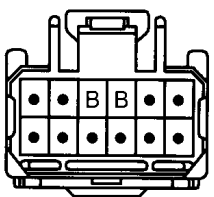
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



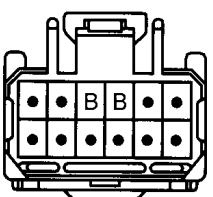
(Hint : See Page 7, 23, 39)

J28 (A)



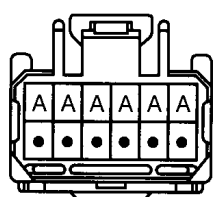
(Hint : See Page 7, 23, 39)

J29 (B)



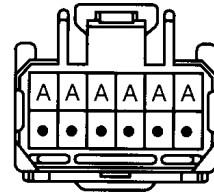
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



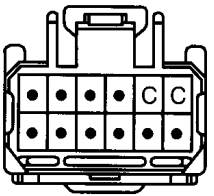
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



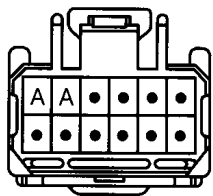
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



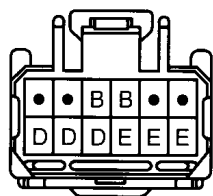
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



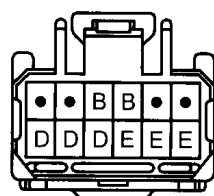
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



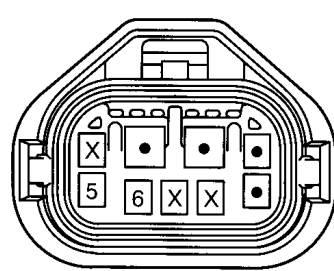
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

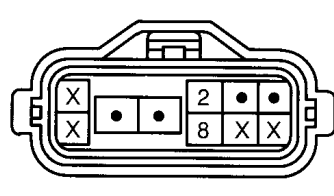


(Hint : See Page 7, 23, 39)

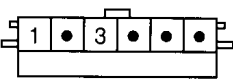
(3S-FE) N1 (A) GRAY



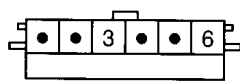
(4A-FE, 7A-FE) N1 (B) GRAY



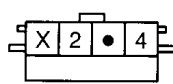
(S/D) R8 BLACK



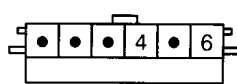
(L/B) R8 BLACK



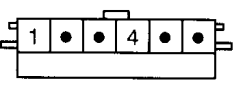
(W/G) R9 BLACK



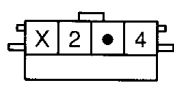
(S/D) R10 BLACK



(L/B) R10 BLACK



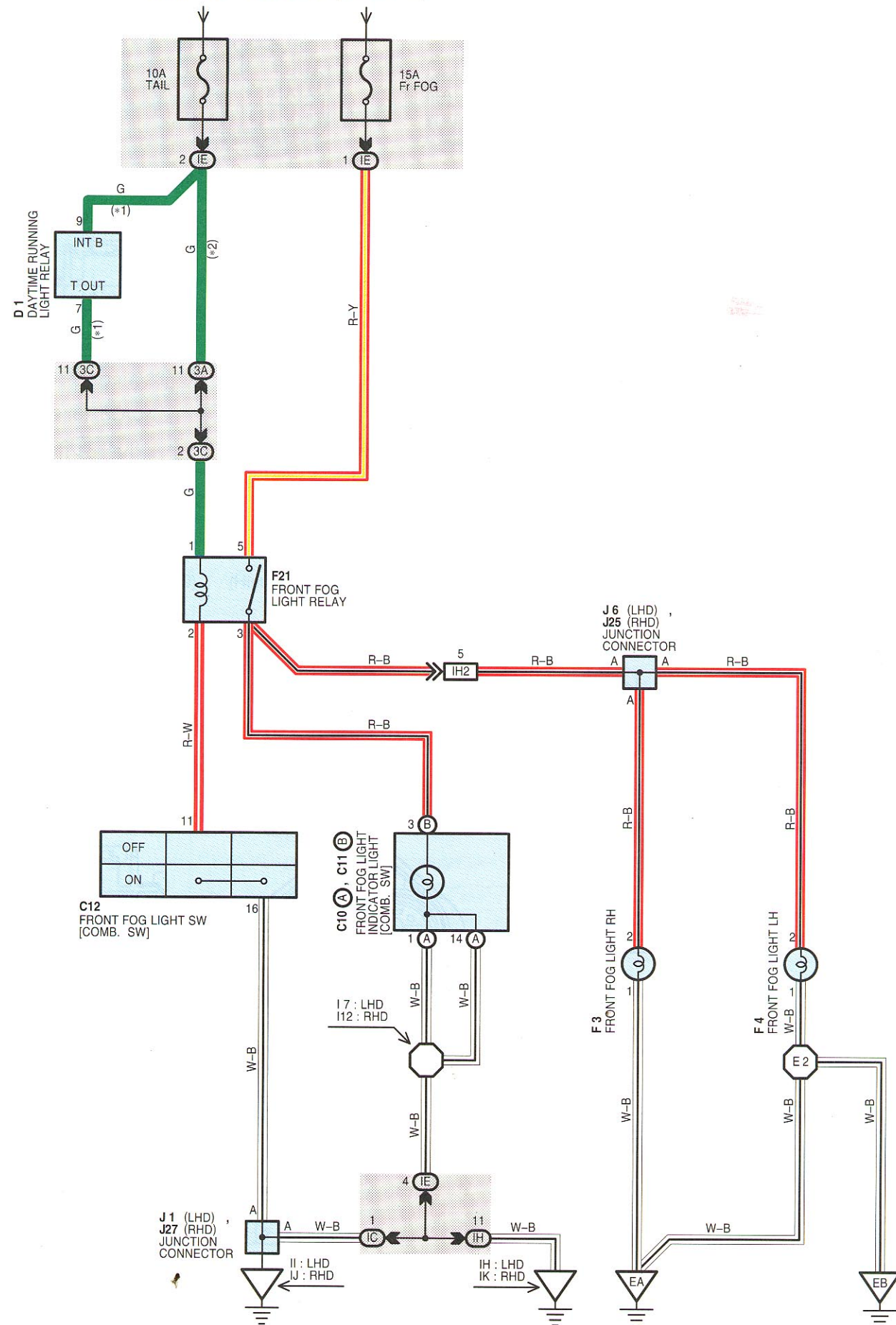
(W/G) R11 BLACK



FRONT FOG LIGHT

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

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

F21 FRONT FOG LIGHT RELAY

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

○ : PARTS LOCATION

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

Code		See Page	Code	See Page	Code	See Page
C10	A	76 (LHD)	F3	74 (LHD 2C-T)	F4	88 (RHD *A)
		94 (RHD)		86 (RHD 3S-FE)		90 (RHD *B)
C11	B	76 (LHD)		88 (RHD *A)		F21
		94 (RHD)		90 (RHD *B)	78 (LHD)	
C12		76 (LHD)		92 (RHD 2C-TE)		
		94 (RHD)				
D1		76 (LHD)	F4	66 (LHD 3S-FE)	J1	78 (LHD)
F3				68 (LHD *A)	J6	78 (LHD)
		66 (LHD 3S-FE)		70 (LHD *B)	J25	96 (RHD)
		68 (LHD *A)		72 (LHD 2C-TE)	J27	96 (RHD)
		70 (LHD *B)		74 (LHD 2C-T)		
		72 (LHD 2C-TE)		86 (RHD 3S-FE)		

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	

FRONT FOG LIGHT

 : GROUND POINTS

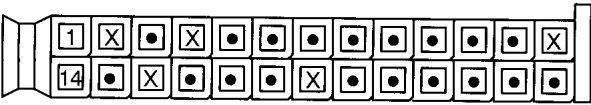
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
II	114 (LHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
IH	114 (LHD)	Left Kick Panel
IK	132 (RHD)	Right Kick Panel

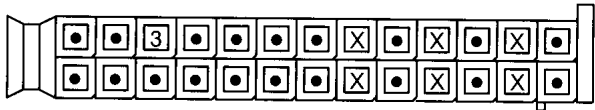
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire

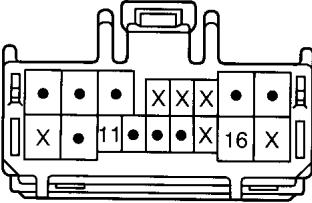
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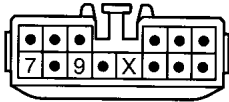
C11 (B) GREEN



C12



D1 BLUE



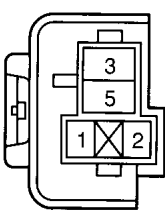
F3 BLACK



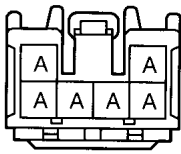
F4 BLACK



F21

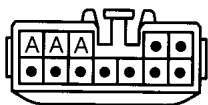


J1



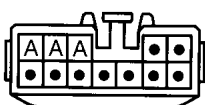
(Hint : See Page 7, 23, 39)

J6 BLACK



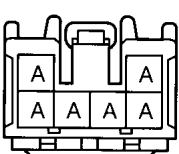
(Hint : See Page 7, 23, 39)

J25 BLACK



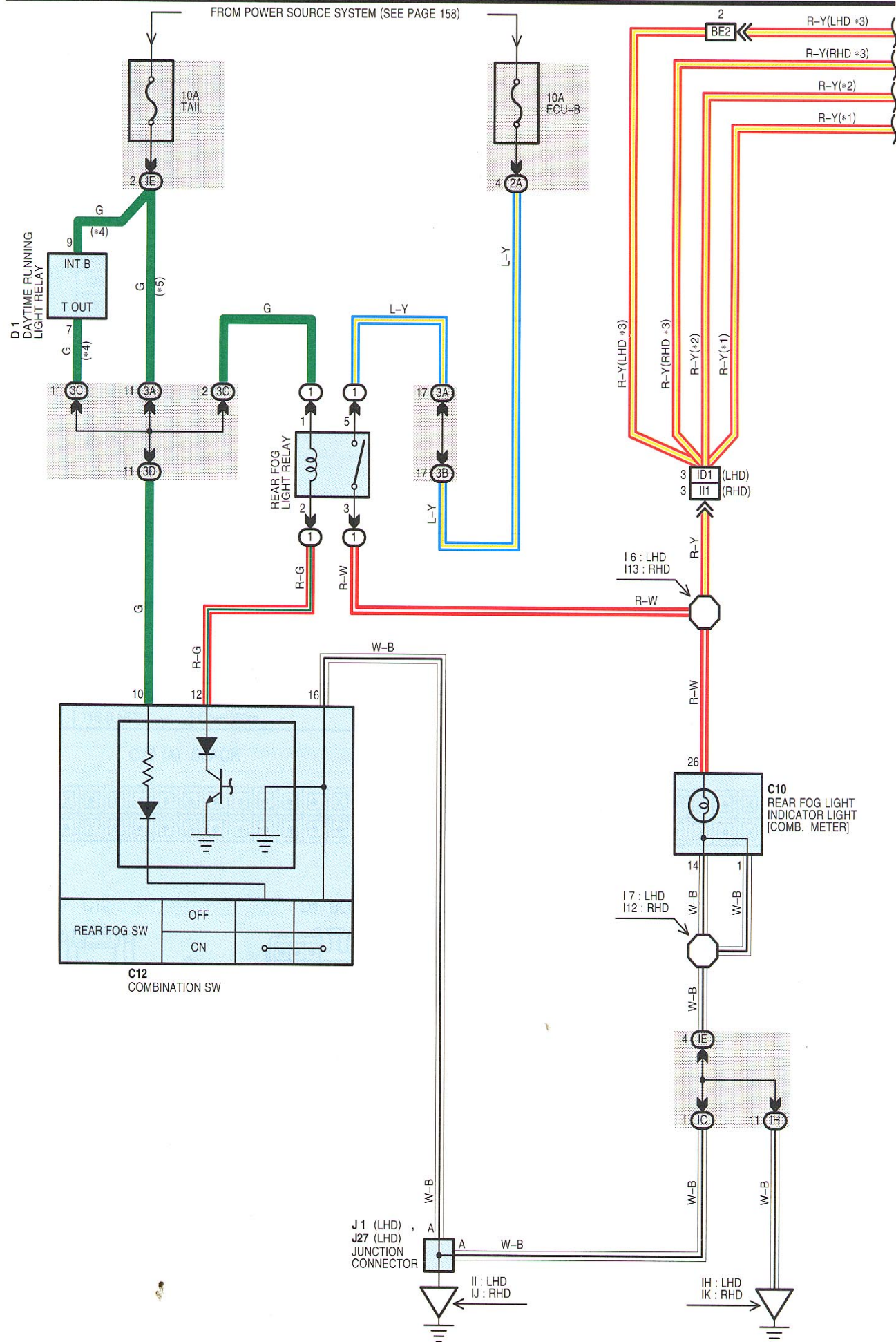
(Hint : See Page 7, 23, 39)

J27

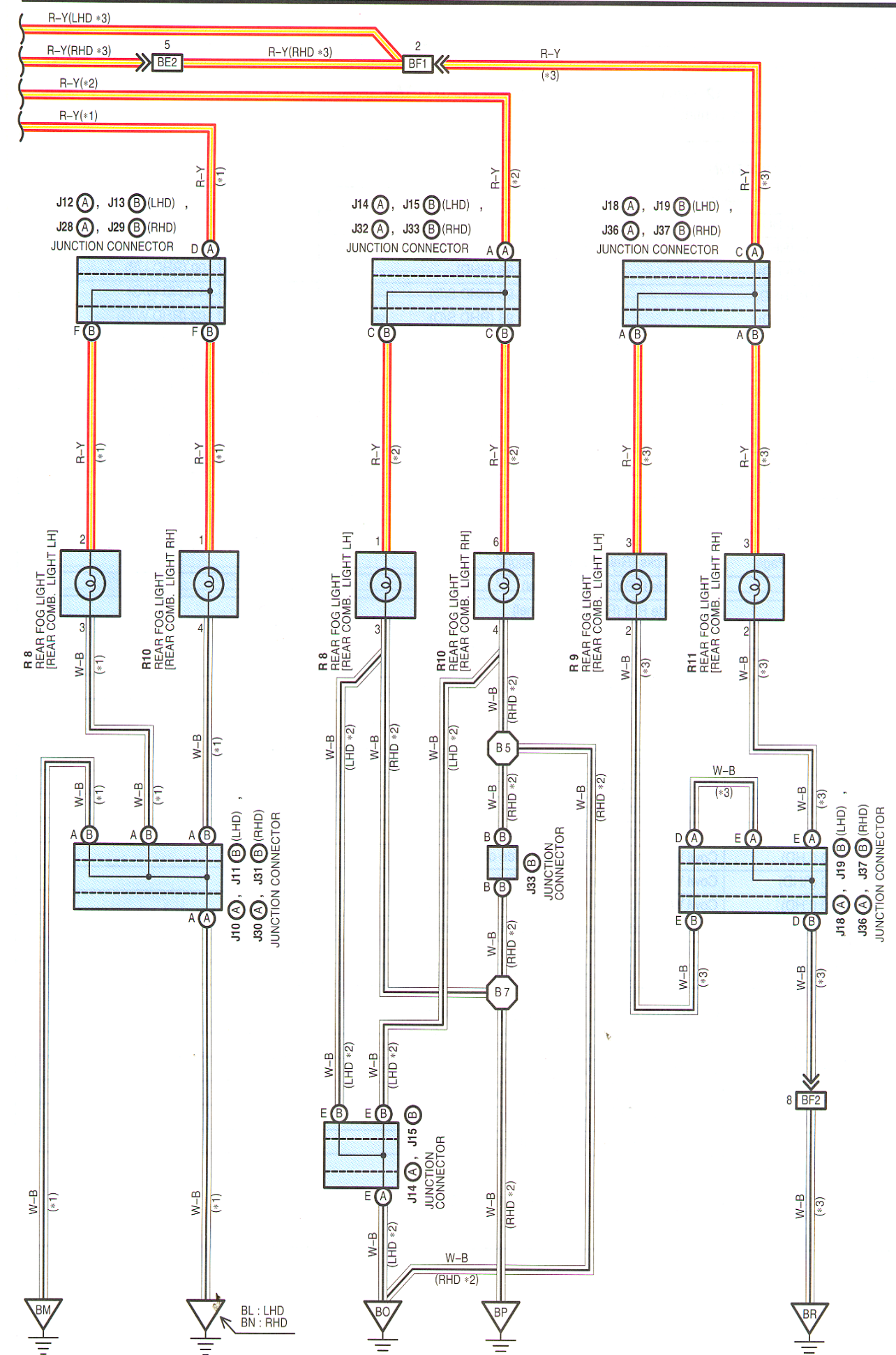


(Hint : See Page 7, 23, 39)

REAR FOG LIGHT



- * 1 : S/D
- * 2 : L/B
- * 3 : W/G
- * 4 : W/ DAYTIME RUNNING LIGHT
- * 5 : W/O DAYTIME RUNNING LIGHT



REAR FOG LIGHT

SERVICE HINTS

C12 COMBINATION SW

10-GROUND : Approx. 12 volts with the light control SW at **HEAD** or **TAIL** position
16-GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page		Code		See Page		Code		See Page	
C10		76 (LHD)		J18	A	84 (LHD W/G)		R8		82 (LHD L/B)	
		94 (RHD)		J19	B	84 (LHD W/G)				98 (RHD S/D)	
C12		76 (LHD)		J27		96 (RHD)				100 (RHD L/B)	
		94 (RHD)		J28	A	98 (RHD S/D)		R9		84 (LHD W/G)	
D1		76 (LHD)		J29	B	98 (RHD S/D)				102 (RHD W/G)	
J1		78 (LHD)		J30	A	98 (RHD S/D)		R10		80 (LHD S/D)	
J10	A	80 (LHD S/D)		J31	B	98 (RHD S/D)				82 (LHD L/B)	
J11	B	80 (LHD S/D)		J32	A	100 (RHD L/B)				98 (RHD S/D)	
J12	A	80 (LHD S/D)		J33	B	100 (RHD L/B)				100 (RHD L/B)	
J13	B	80 (LHD S/D)		J36	A	102 (RHD W/G)		R11		84 (LHD W/G)	
J14	A	82 (LHD L/B)		J37	B	102 (RHD W/G)				102 (RHD W/G)	
J15	B	82 (LHD L/B)		R8		80 (LHD S/D)					

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	53 (LHD)	Driver Side R/B (Left Kick Panel)
	53 (RHD)	Driver Side R/B (Right Kick Panel)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
II1	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	
BF2	122 (LHD W/G)	
	140 (RHD W/G)	



: GROUND POINTS

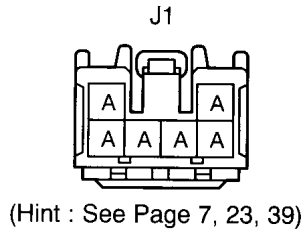
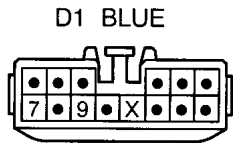
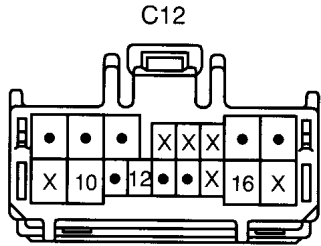
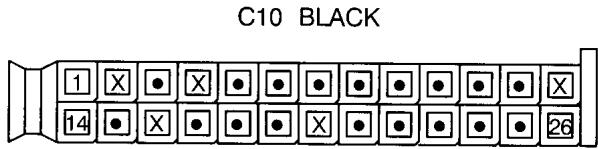
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
	136 (RHD S/D)	
BN	136 (RHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
	138 (RHD L/B)	
BP	120 (LHD L/B)	Back Panel Center
	138 (RHD L/B)	
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	



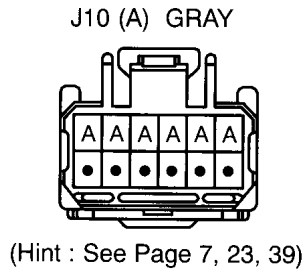
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I13	134 (RHD)	Cowl Wire
I7			B5	138 (RHD L/B)	Floor Wire
I12	134 (RHD)	Cowl Wire	B7		

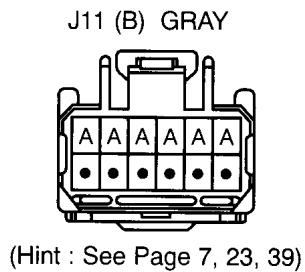
REAR FOG LIGHT



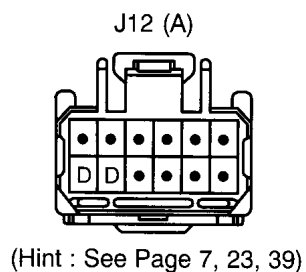
(Hint : See Page 7, 23, 39)



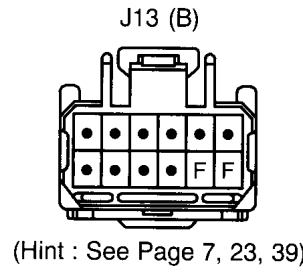
(Hint : See Page 7, 23, 39)



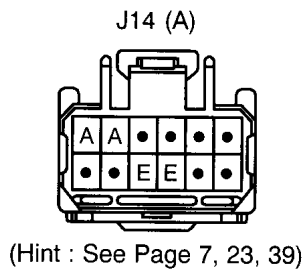
(Hint : See Page 7, 23, 39)



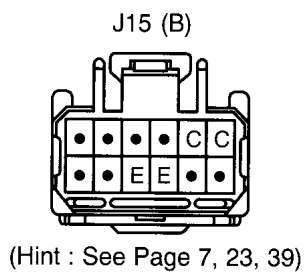
(Hint : See Page 7, 23, 39)



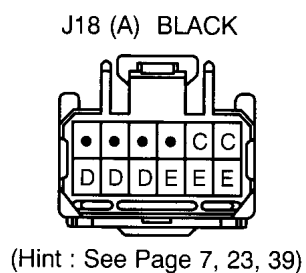
(Hint : See Page 7, 23, 39)



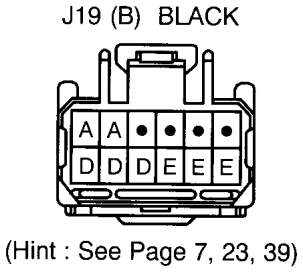
(Hint : See Page 7, 23, 39)



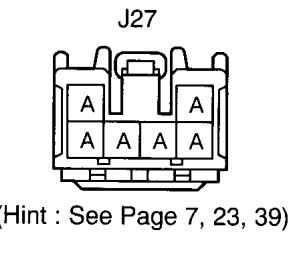
(Hint : See Page 7, 23, 39)



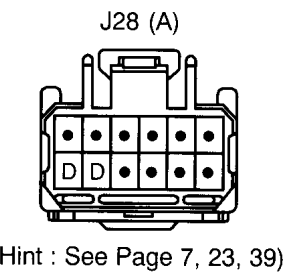
(Hint : See Page 7, 23, 39)



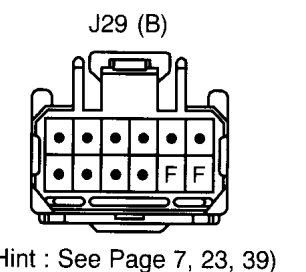
(Hint : See Page 7, 23, 39)



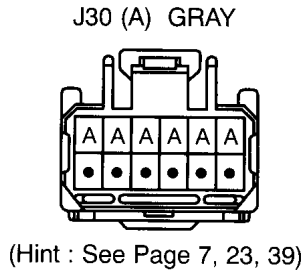
(Hint : See Page 7, 23, 39)



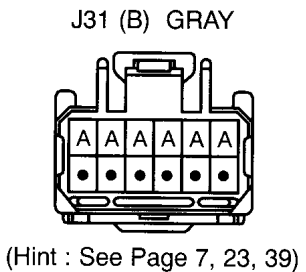
(Hint : See Page 7, 23, 39)



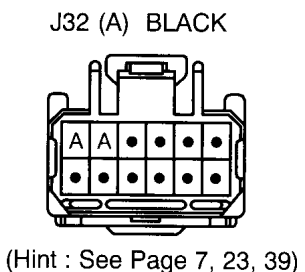
(Hint : See Page 7, 23, 39)



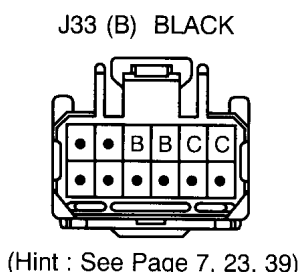
(Hint : See Page 7, 23, 39)



(Hint : See Page 7, 23, 39)

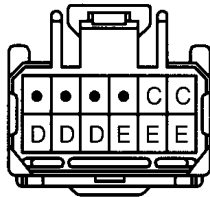


(Hint : See Page 7, 23, 39)



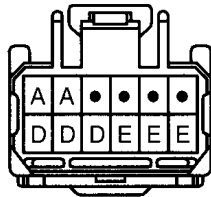
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



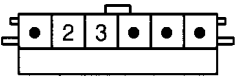
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

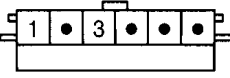


(Hint : See Page 7, 23, 39)

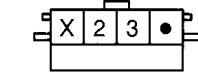
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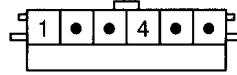
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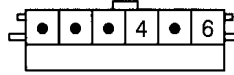
(W/G) R9 BLACK



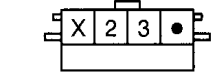
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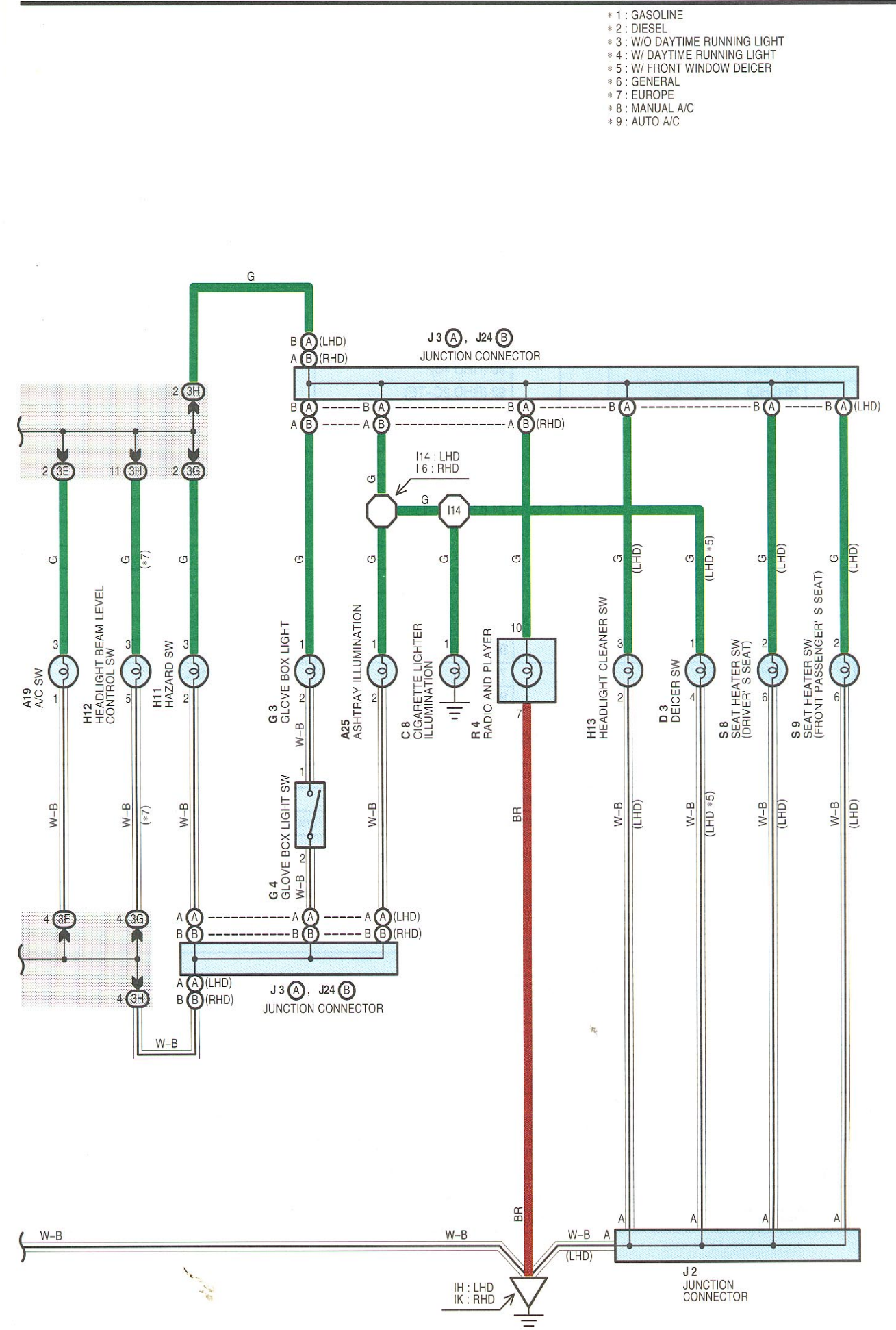
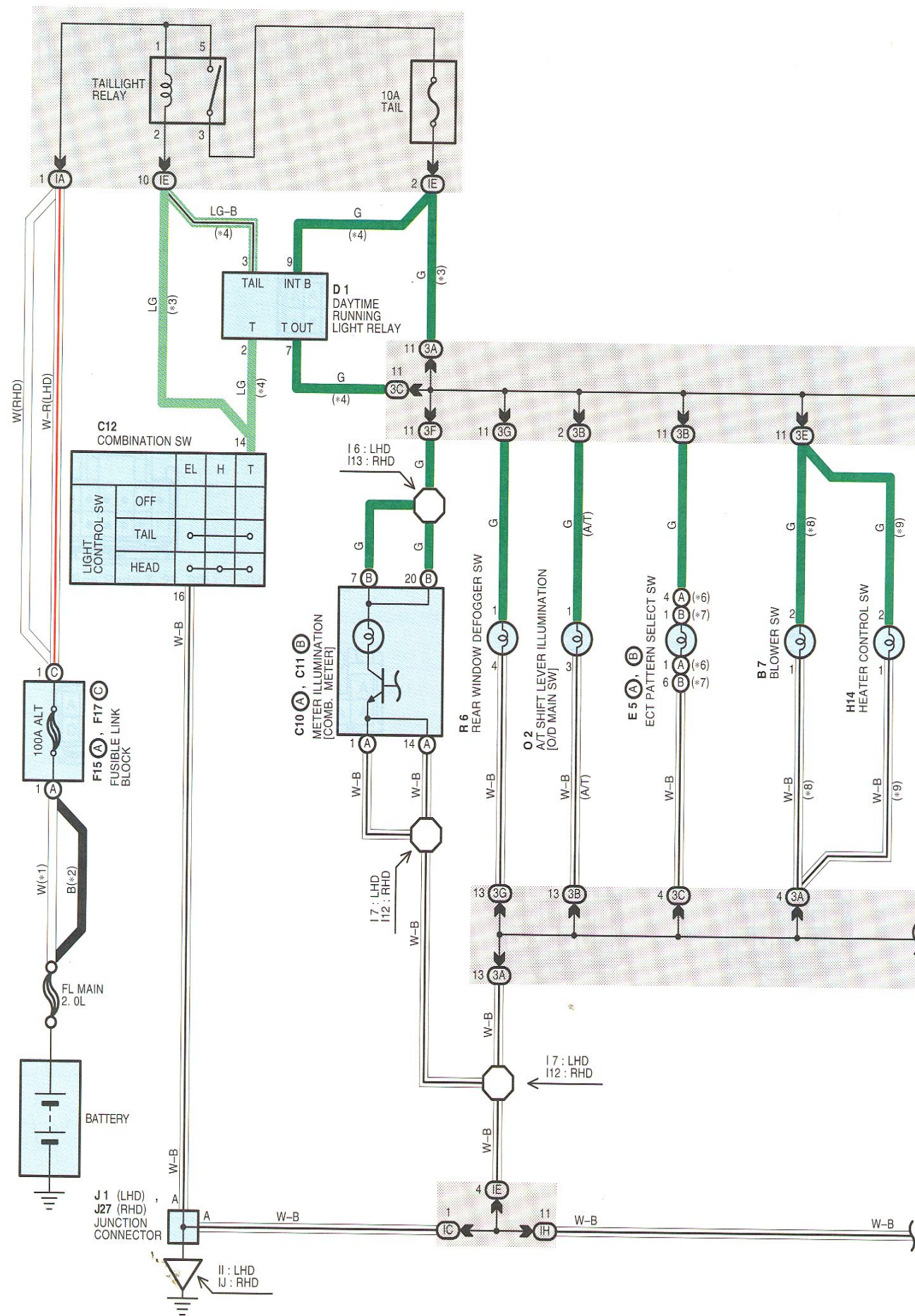
(L/B) R10 BLACK



(W/G) R11 BLACK



※



SERVICE HINTS

C12 COMBINATION SW

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

TAILLIGHT 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
A19		76 (LHD)	F15	A	70 (LHD *B)	H11		78 (LHD)
		94 (RHD)			72 (LHD 2C-TE)			96 (RHD)
A25		76 (LHD)			74 (LHD 2C-T)	H12		78 (LHD)
		94 (RHD)			86 (RHD 3S-FE)			96 (RHD)
B7		76 (LHD)			88 (RHD *A)	H13		78 (LHD)
		94 (RHD)			90 (RHD *B)	H14		78 (LHD)
C8		76 (LHD)	F17	C	92 (RHD 2C-TE)			96 (RHD)
		94 (RHD)			66 (LHD 3S-FE)	J1		78 (LHD)
C10	A	76 (LHD)			68 (LHD *A)	J2		78 (LHD)
		94 (RHD)			70 (LHD *B)	J3	A	78 (LHD)
C11	B	76 (LHD)			72 (LHD 2C-TE)	J24	B	96 (RHD)
		94 (RHD)			74 (LHD 2C-T)	J27		96 (RHD)
C12		76 (LHD)			86 (RHD 3S-FE)	O2		78 (LHD)
		94 (RHD)			88 (RHD *A)			96 (RHD)
D1		76 (LHD)			90 (RHD *B)	R4		78 (LHD)
D3		76 (LHD)			92 (RHD 2C-TE)			96 (RHD)
E5	A, B	76 (LHD)	G3		78 (LHD)	R6		78 (LHD)
		94 (RHD)			96 (RHD)			96 (RHD)
F15	A	66 (LHD 3S-FE)	G4		78 (LHD)	S8		78 (LHD)
		68 (LHD *A)			96 (RHD)	S9		78 (LHD)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)



: GROUND POINTS

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

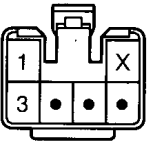


: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire
	134 (RHD)	Instrument Panel Wire	I13		
I7	116 (LHD)	Cowl Wire	I14	116 (LHD)	Instrument Panel Wire

ILLUMINATION

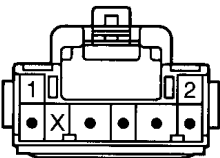
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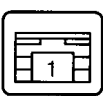
A25 BLACK



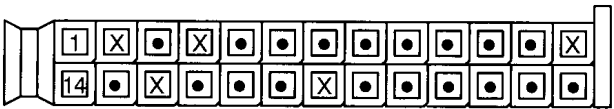
B7



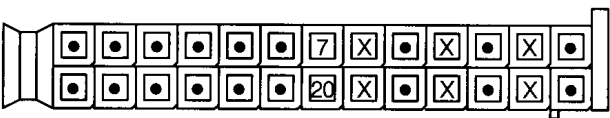
C8 BLACK



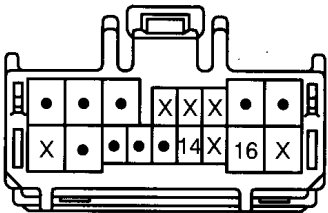
C10 (A) BLACK



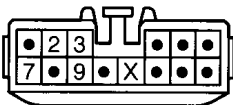
C11 (B) GREEN



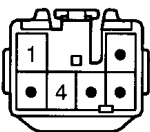
C12



D1 BLUE



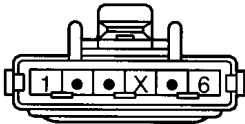
D3



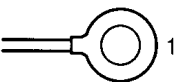
(General) E5 (A)



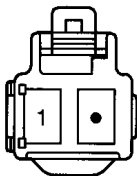
(Europe) E5 (B) BLACK



F15 (A)



F17 (C) BLUE



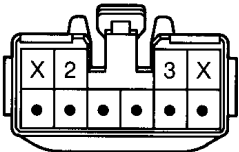
G3 BLACK



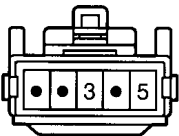
G4 BLACK



H11 BLACK



H12 GRAY



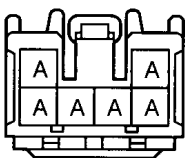
H13 BLACK



H14

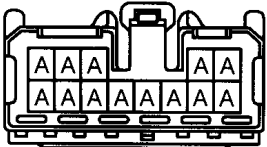


J1



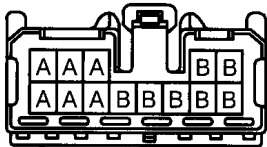
(Hint : See Page 7, 23, 39)

J2 ORANGE



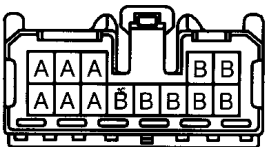
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



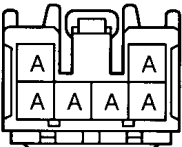
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



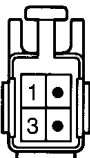
(Hint : See Page 7, 23, 39)

J27

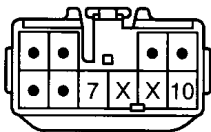


(Hint : See Page 7, 23, 39)

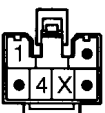
O2



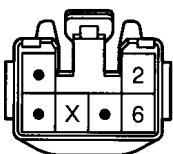
R4



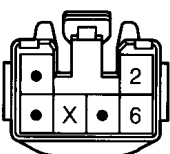
R6 DARK GRAY



S8 BLUE



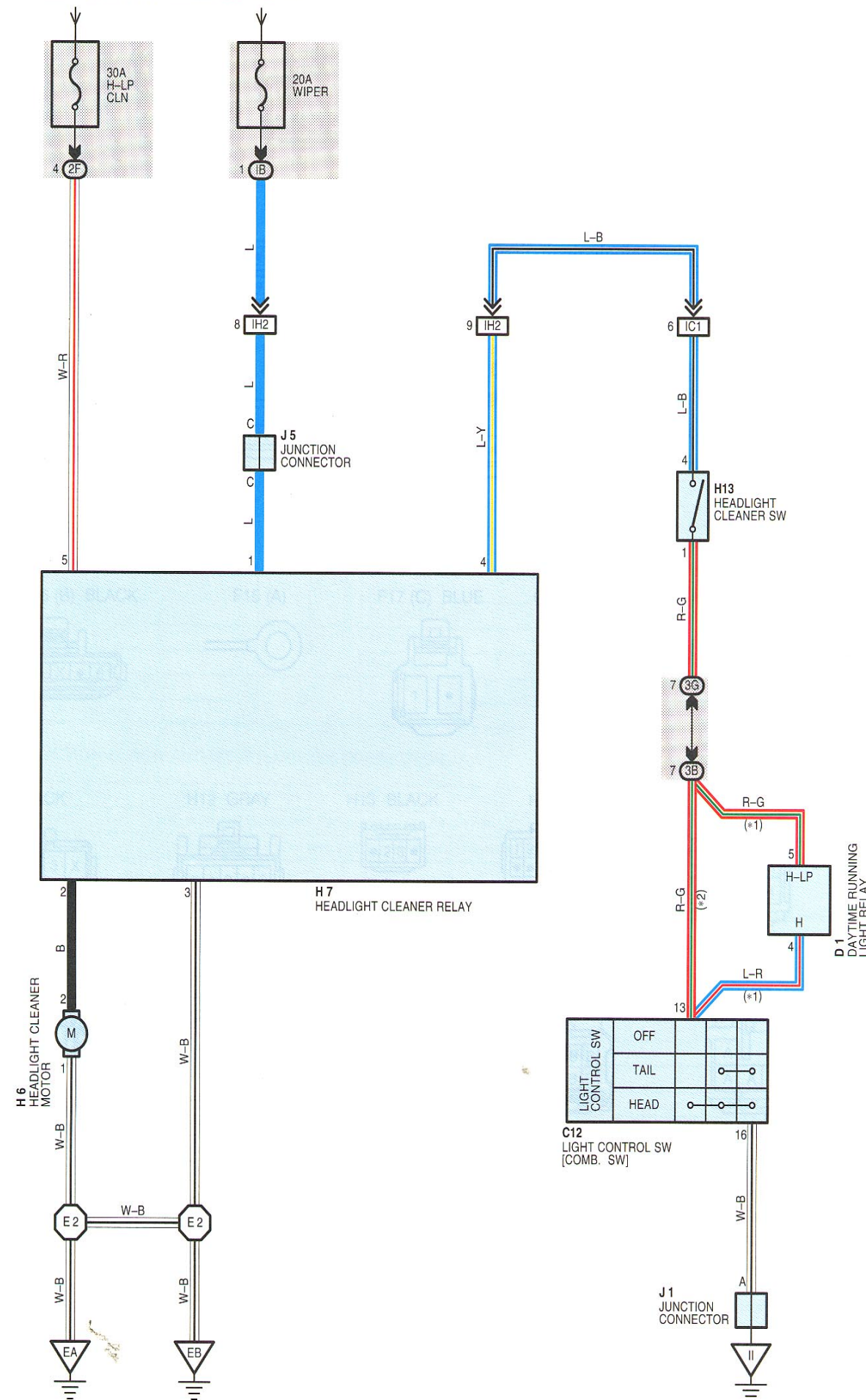
S9



HEADLIGHT CLEANER (LHD)

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

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

H7 HEADLIGHT CLEANER RELAY

5-2 : Continuity with the light control SW at **HEAD** position and the headlight cleaner SW on
 1-GROUND : Approx. **12** volts with the ignition SW at **ON** position
 3-GROUND : Always continuity

○ : PARTS LOCATION

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
C12	76 (LHD)	H6	72 (LHD 2C-TE)	H7	72 (LHD 2C-TE)
D1	76 (LHD)		74 (LHD 2C-T)		74 (LHD 2C-T)
H6	66 (LHD 3S-FE)	H7	66 (LHD 3S-FE)	H13	76 (LHD)
	68 (LHD *A)		68 (LHD *A)	J1	78 (LHD)
	70 (LHD *B)		70 (LHD *B)	J5	78 (LHD)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)

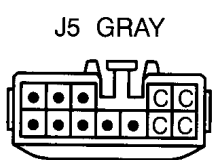
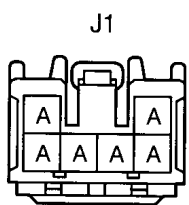
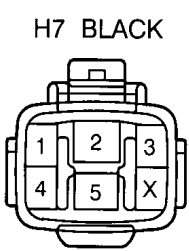
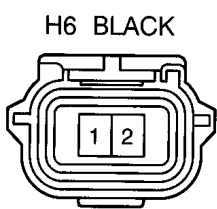
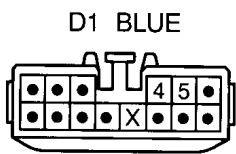
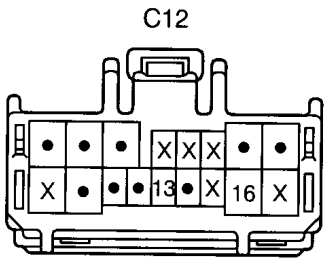
 : GROUND POINTS

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
II	114 (LHD)	Left Kick Panel

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	E2	110 (LHD 2C-TE)	Engine Room Main Wire
	106 (LHD *A)			112 (LHD 2C-T)	
	108 (LHD *B)				

HEADLIGHT CLEANER (LHD)

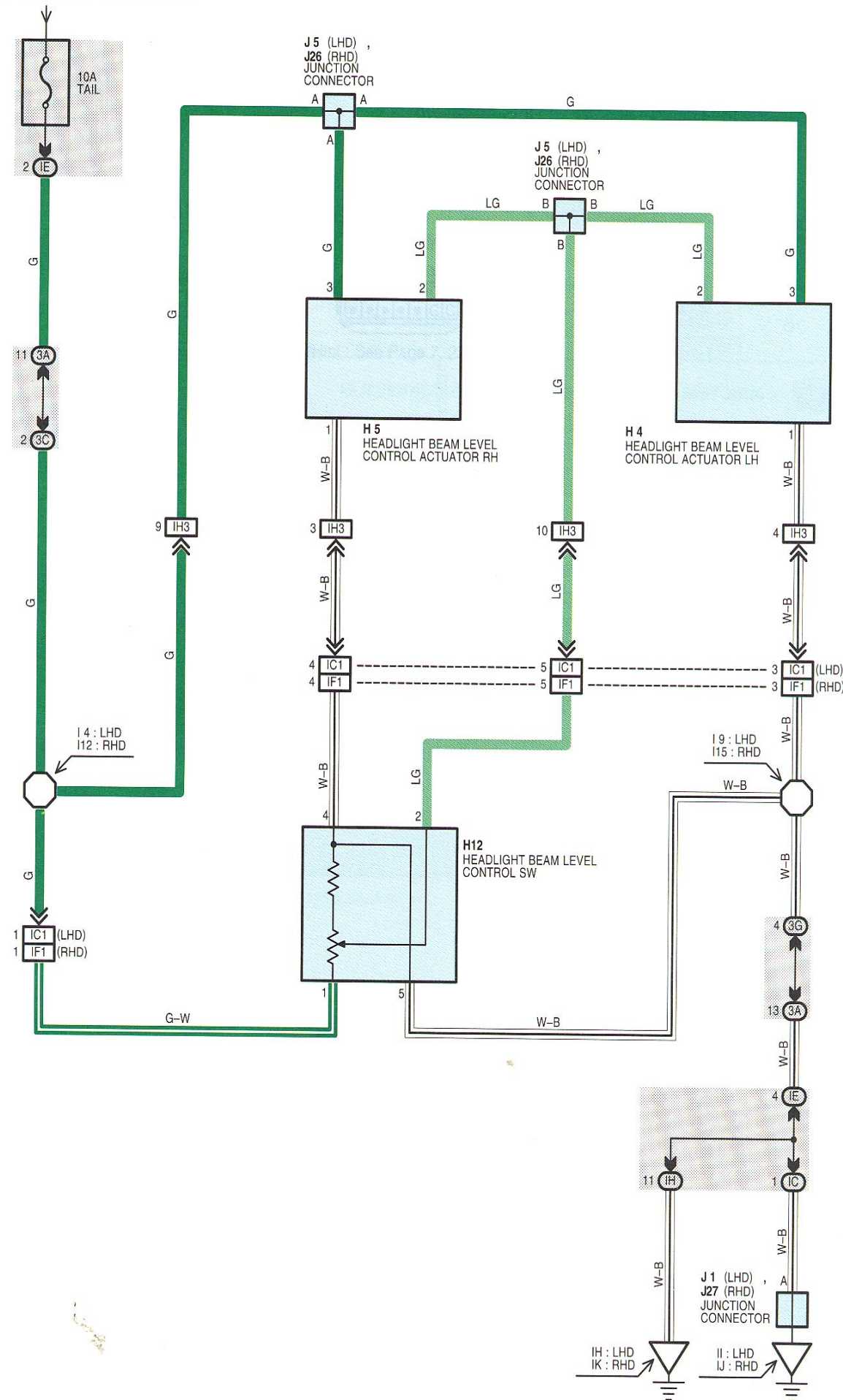


(Hint : See Page 7, 23, 39)

(Hint : See Page 7, 23, 39)

HEADLIGHT BEAM LEVEL CONTROL

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

H4, H5 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH, RH

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

H12 HEADLIGHT BEAM LEVEL CONTROL SW

- 1-GROUND : Approx. 12 volts with the light control SW at TAIL or HEAD position
- 5-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H4	66 (LHD 3S-FE)	H4	92 (RHD 2C-TE)	H5	90 (RHD *B)
	68 (LHD *A)	H5	66 (LHD 3S-FE)	H12	92 (RHD 2C-TE)
	70 (LHD *B)		68 (LHD *A)		78 (LHD)
	72 (LHD 2C-TE)		70 (LHD *B)		96 (RHD)
	74 (LHD 2C-T)		72 (LHD 2C-TE)	J1	78 (LHD)
	86 (RHD 3S-FE)		74 (LHD 2C-T)	J5	78 (LHD)
	88 (RHD *A)		86 (RHD 3S-FE)	J26	96 (RHD)
	90 (RHD *B)		88 (RHD *A)	J27	96 (RHD)

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IF1	132 (RHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Instrument Panel J/B)
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	

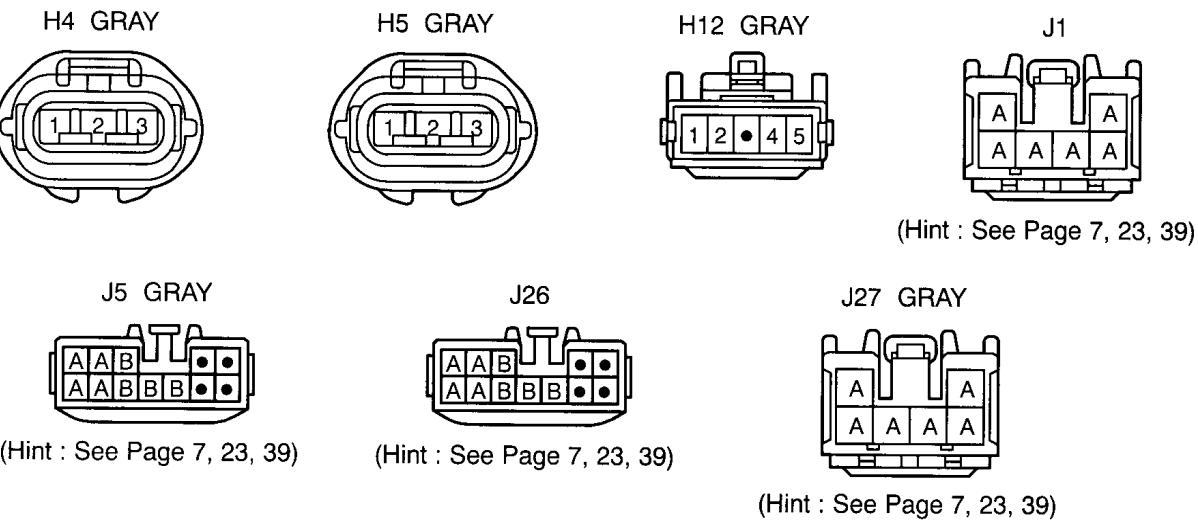
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire
I9	116 (LHD)	Instrument Panel Wire	I15	134 (RHD)	Instrument Panel Wire

HEADLIGHT BEAM LEVEL CONTROL

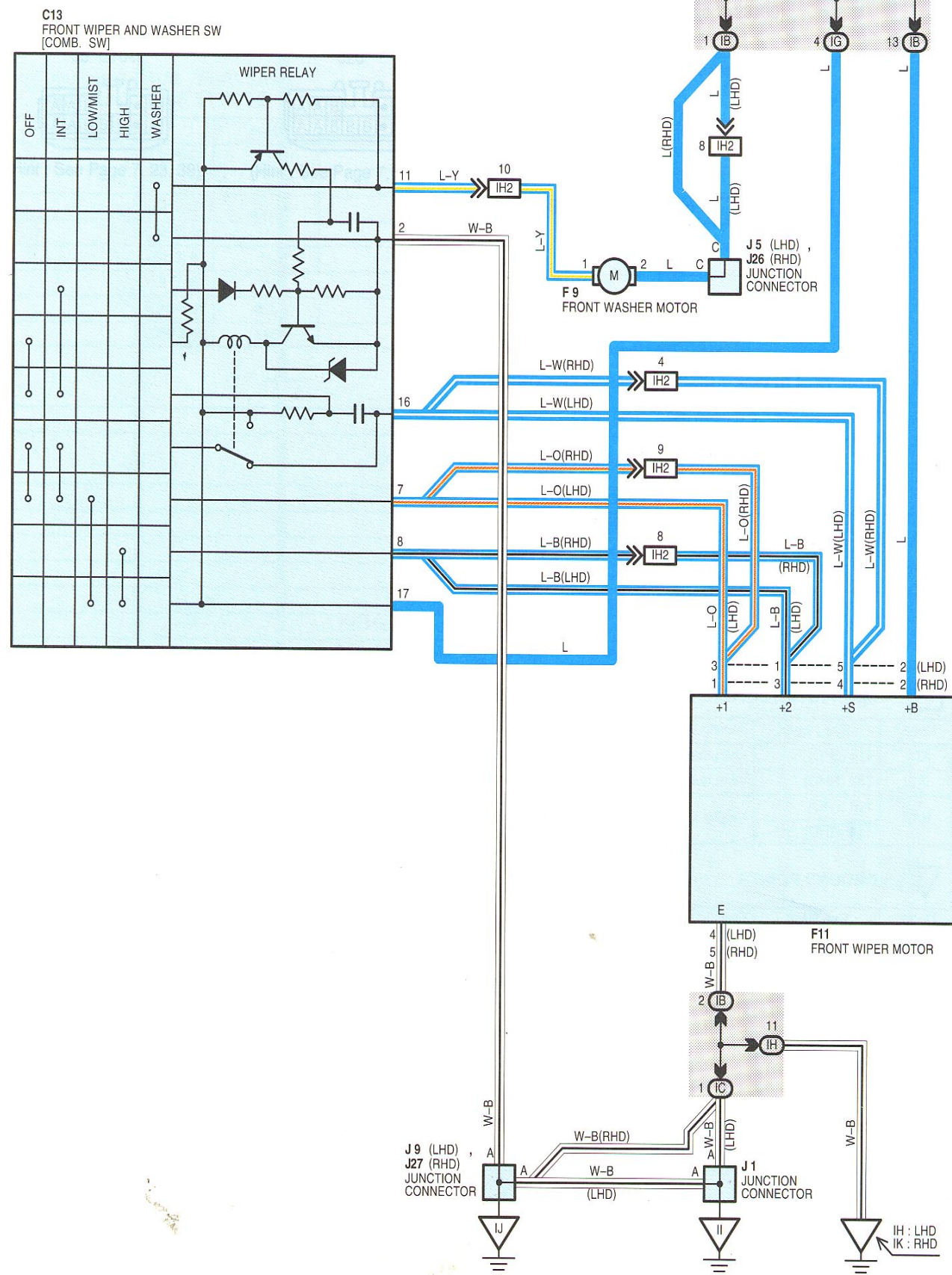


J5 GRAY

J26

J27 GRAY

(Hint : See Page 7, 23, 39)



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 front 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 3** (LHD), **1** (RHD) of the front wiper motor to **TERMINAL 4** (LHD), **5** (RHD) 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 1** (LHD), **3** (RHD) of the front wiper motor to **TERMINAL 4** (LHD), **5** (RHD) 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 3** (LHD), 1 (RHD) of the front wiper motor to **TERMINAL 4** (LHD), 5 (RHD) 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

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 3** (LHD), **1** (RHD) of the front wiper motor to **TERMINAL 4** (LHD), **5** (RHD) 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 3** (LHD), **1** (RHD) of the front wiper motor to **TERMINAL 4** (LHD), **5** (RHD) to **GROUND** and the function.

SERVICE HINTS

C13 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

F11 FRONT WIPER MOTOR

- 5-2 (LHD), 4-2 (RHD) : Closed unless wiper motor at **STOP** position

○ : PARTS LOCATION

- * A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
C13	76 (LHD)	F9	90 (RHD *B)	F11	90 (RHD *B)
	94 (RHD)		92 (RHD 2C-TE)		92 (RHD 2C-TE)
F9	66 (LHD 3S-FE)	F11	66 (LHD 3S-FE)	J1	78 (LHD)
	68 (LHD *A)		68 (LHD *A)	J5	78 (LHD)
	70 (LHD *B)		70 (LHD *B)	J9	78 (LHD)
	72 (LHD 2C-TE)		72 (LHD 2C-TE)	J26	96 (RHD)
	74 (LHD 2C-T)		74 (LHD 2C-T)	J27	96 (RHD)
	86 (RHD 3S-FE)		86 (RHD 3S-FE)		
	88 (RHD *A)		88 (RHD *A)		

FRONT WIPER AND WASHER

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IG	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)

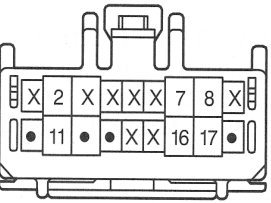
 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH2	134 (RHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)

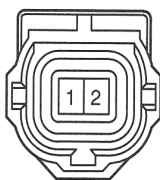
 : GROUND POINTS

Code	See Page	Ground Points Location
IH	114(LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

C13 BLACK



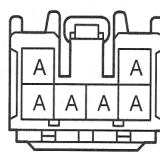
F9 BLACK



F11 GRAY

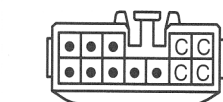


J1



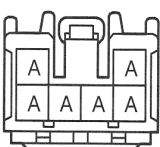
(Hint : See Page 7, 23, 39)

J5 GRAY



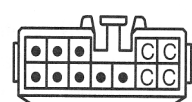
(Hint : See Page 7, 23, 39)

J9



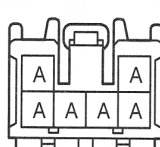
(Hint : See Page 7, 23, 39)

J26 GRAY



(Hint : See Page 7, 23, 39)

J27

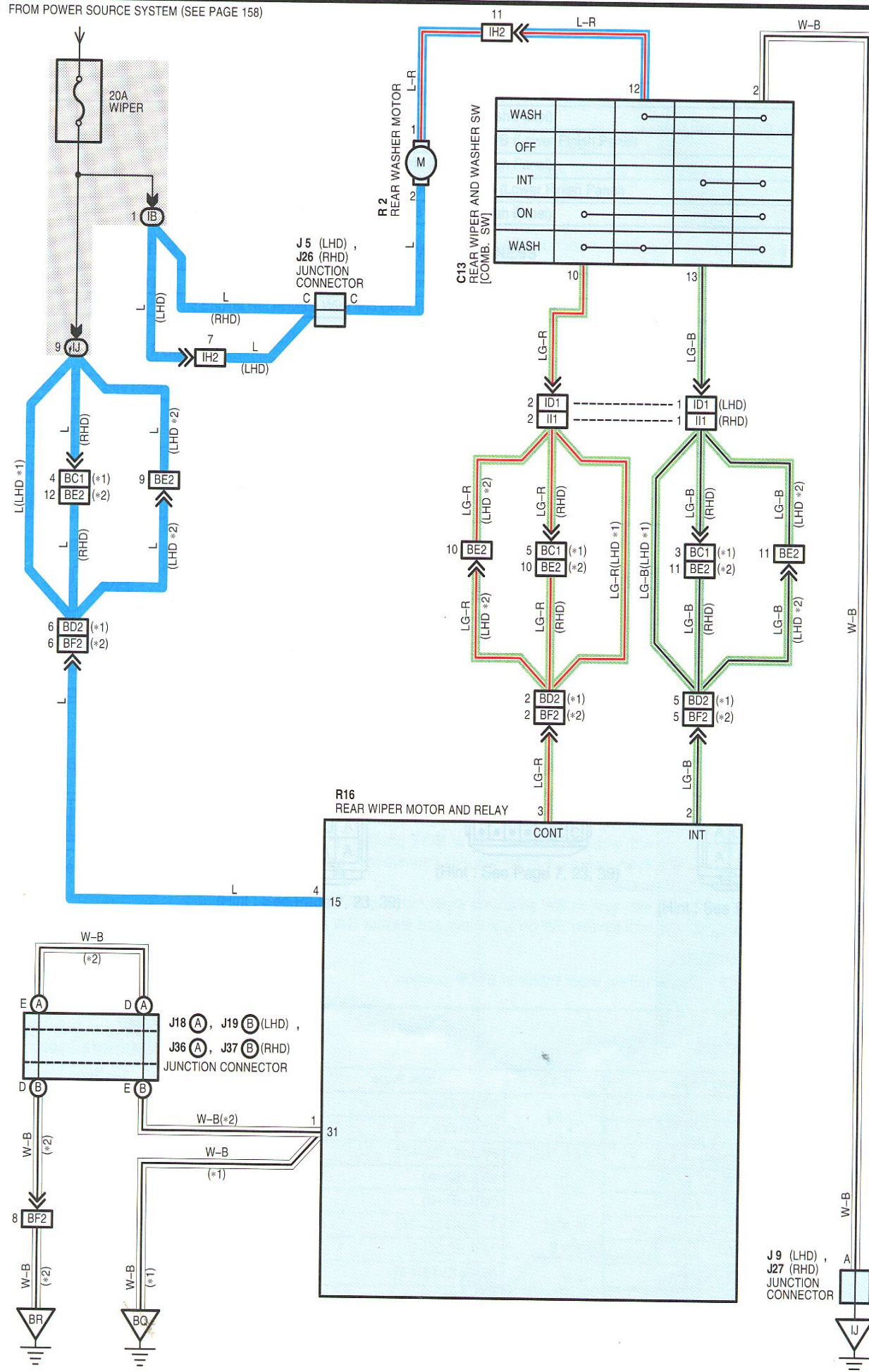


(Hint : See Page 7, 23, 39)

REAR WIPER AND WASHER

FROM POWER SOURCE SYSTEM (SEE PAGE 158)

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



SYSTEM OUTLINE

When the ignition SW is turned on, current flows to **TERMINAL 2** of the rear washer motor, **TERMINAL 4** of the rear wiper motor and relay through the **WIP** fuse.

1. REAR 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 rear washer motor flows to **TERMINAL 1** 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

R2 REAR WASHER MOTOR

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

R10 REAR WIPER MOTOR AND RELAY

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

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
C13	76 (LHD)	J36	A	102 (RHD W/G)	R2
	94 (RHD)	J37	B	102 (RHD W/G)	
J5	78 (LHD)	R2	66 (LHD 3S-FE)	R16	88 (RHD *A)
J9	78 (LHD)		68 (LHD *A)		90 (RHD *B)
J18	A		70 (LHD *B)		92 (RHD 2C-TE)
J19	B		72 (LHD 2C-TE)		82 (LHD L/B)
J26	96 (RHD)		74 (LHD 2C-T)		84 (LHD W/G)
J27	96 (RHD)		86 (RHD 3S-FE)		100 (RHD L/B)
					102 (RHD W/G)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)

REAR WIPER AND WASHER

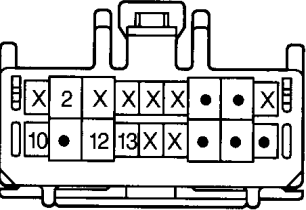
 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
II1	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)
BC1	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Qurter Pillar)
BD2	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
	138 (RHD L/B)	
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Qurter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Qurter Panel)
BF2	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	

 : GROUND POINTS

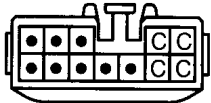
Code	See Page	Ground Points Location
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
BQ	120 (LHD L/B)	Back Door Center
	138 (RHD L/B)	
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	

C13 BLACK



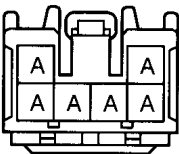
(Hint : See Page 7, 23, 39)

J5 GRAY



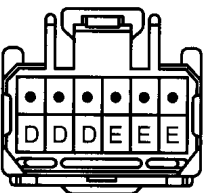
(Hint : See Page 7, 23, 39)

J9



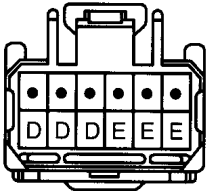
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



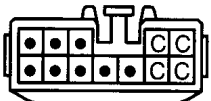
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



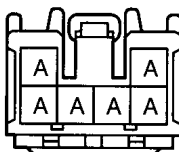
(Hint : See Page 7, 23, 39)

J26 GRAY



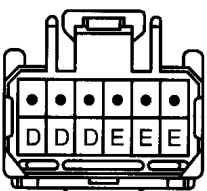
(Hint : See Page 7, 23, 39)

J27



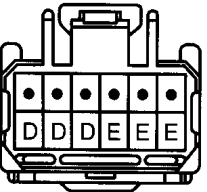
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



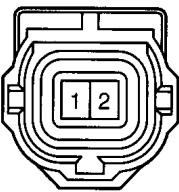
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

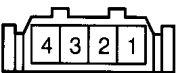


(Hint : See Page 7, 23, 39)

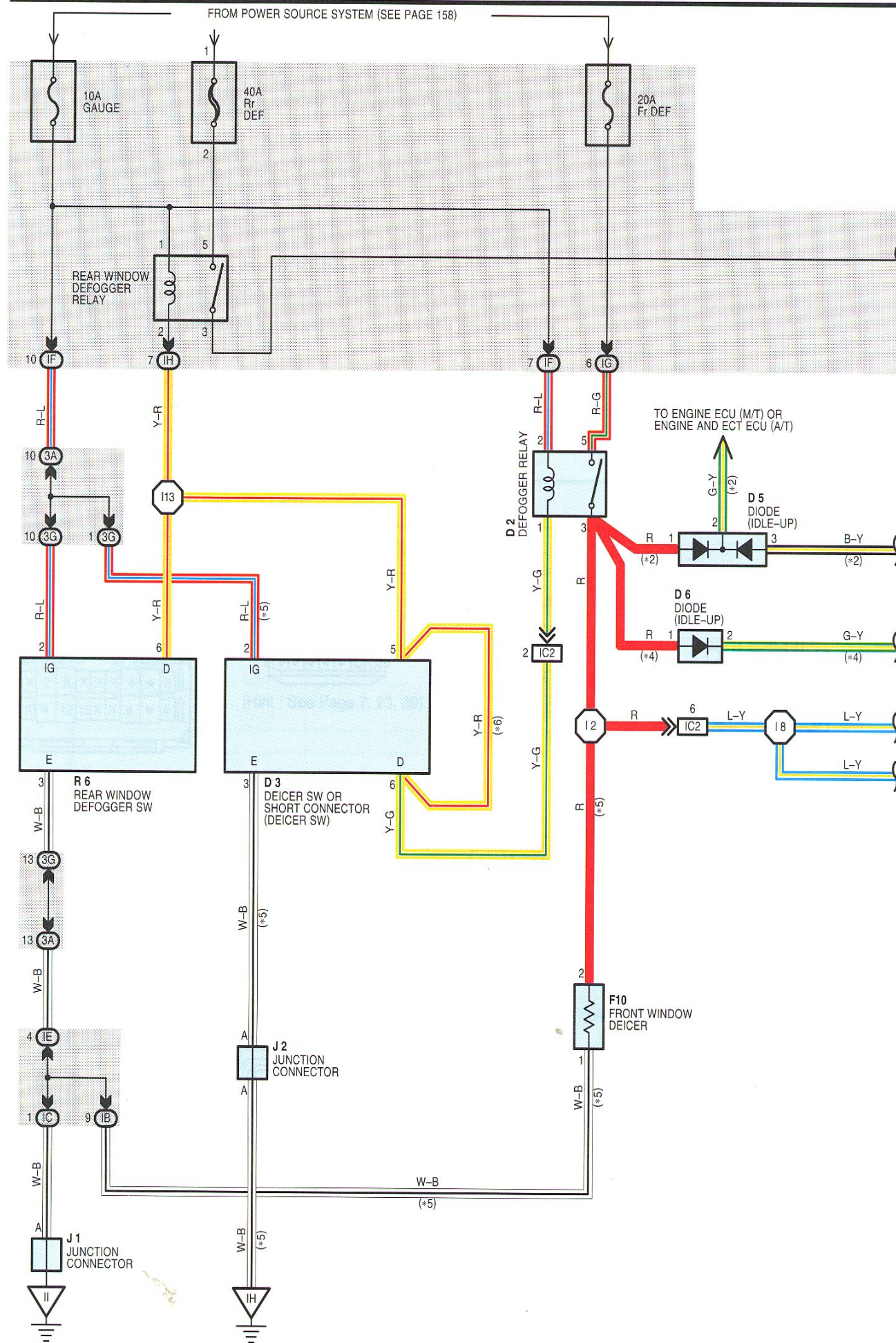
R2 RED



R16 BLACK

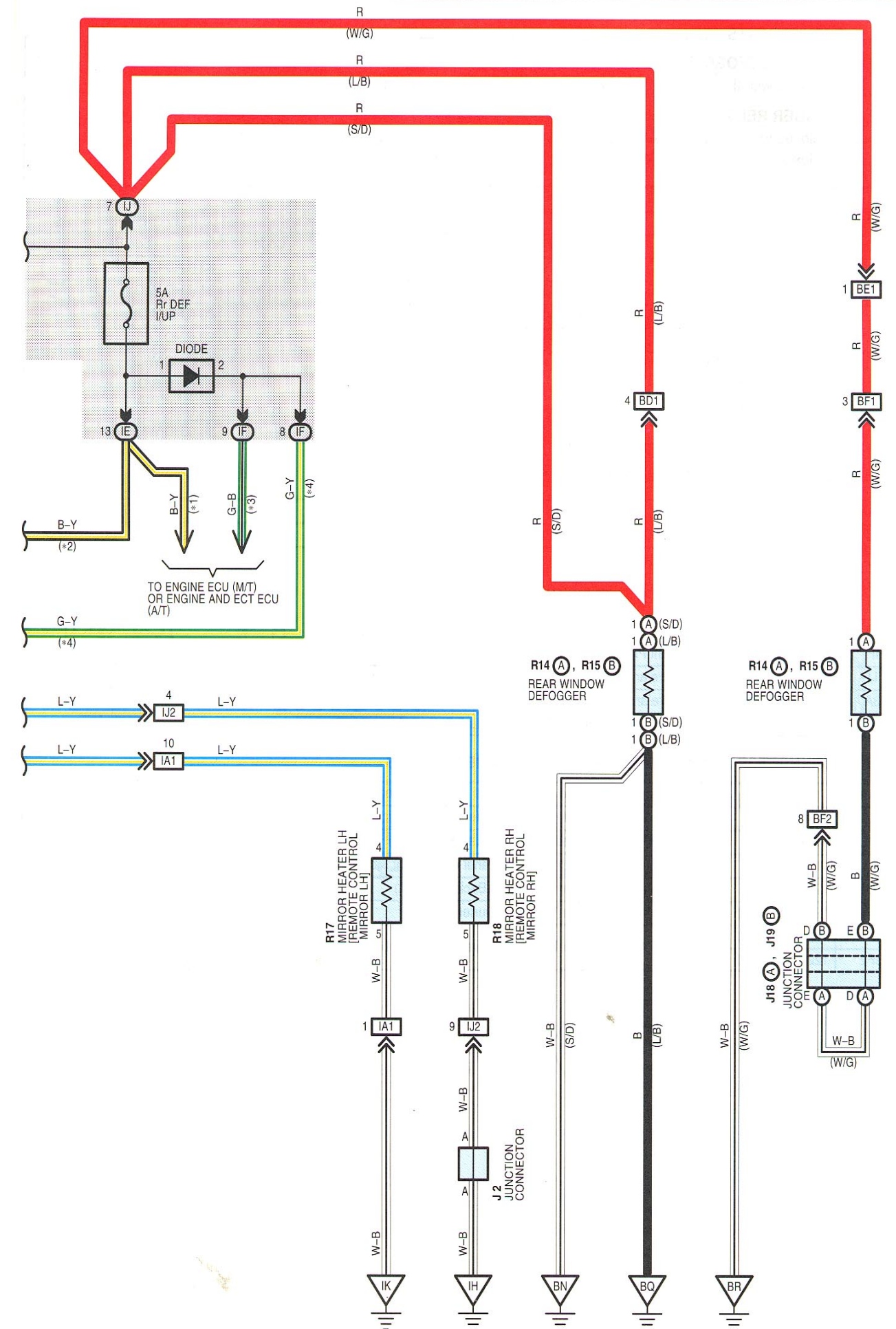


FRONT WINDOW DEICER AND REAR WINDOW DEFOGGER AND



MIRROR HEATER (LHD)

- * 1 : 4A-FE, 7A-FE W/O FRONT WINDOW DEICER
* 2 : 4A-FE, 7A-FE W/ FRONT WINDOW DEICER
* 3 : 3S-FE
* 4 : 3S-FE EUROPE, 2C-TE, 2C-T
* 5 : W/ FRONT WINDOW DEICER
* 6 : W/O FRONT WINDOW DEICER



FRONT WINDOW DEICER AND REAR WINDOW DEFOGGER AND

SERVICE HINTS

REAR WINDOW DEFOGGER RELAY

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

D2 DEFOGGER RELAY

5-3 : Closed with the ignition SW at **ON** position and rear window defogger SW on (w/o front window deicer)
: Closed with the ignition SW at **ON** position and deicer SW on (w/ front window deicer)

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code		See Page
D2	76 (LHD)	J2		78 (LHD)	R15	B	82 (LHD L/B)
D3	76 (LHD)	J18	A	84 (LHD W/G)			84 (LHD W/G)
D5	76 (LHD)	J19	B	84 (LHD W/G)	R17		80 (LHD S/D)
D6	76 (LHD)	R6		78 (LHD)			82 (LHD L/B)
F10	66 (LHD 3S-FE)	R14	A	80 (LHD S/D)			84 (LHD W/G)
	68 (LHD *A)				80 (LHD S/D)		
	72 (LHD 2C-TE)				82 (LHD L/B)		
J1	78 (LHD)	R15	B	80 (LHD S/D)		84 (LHD W/G)	

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BD1	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
BE1	122 (LHD W/G)	Roof No.3 Wire and Floor Wire (Left Quarter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	122 (LHD W/G)	

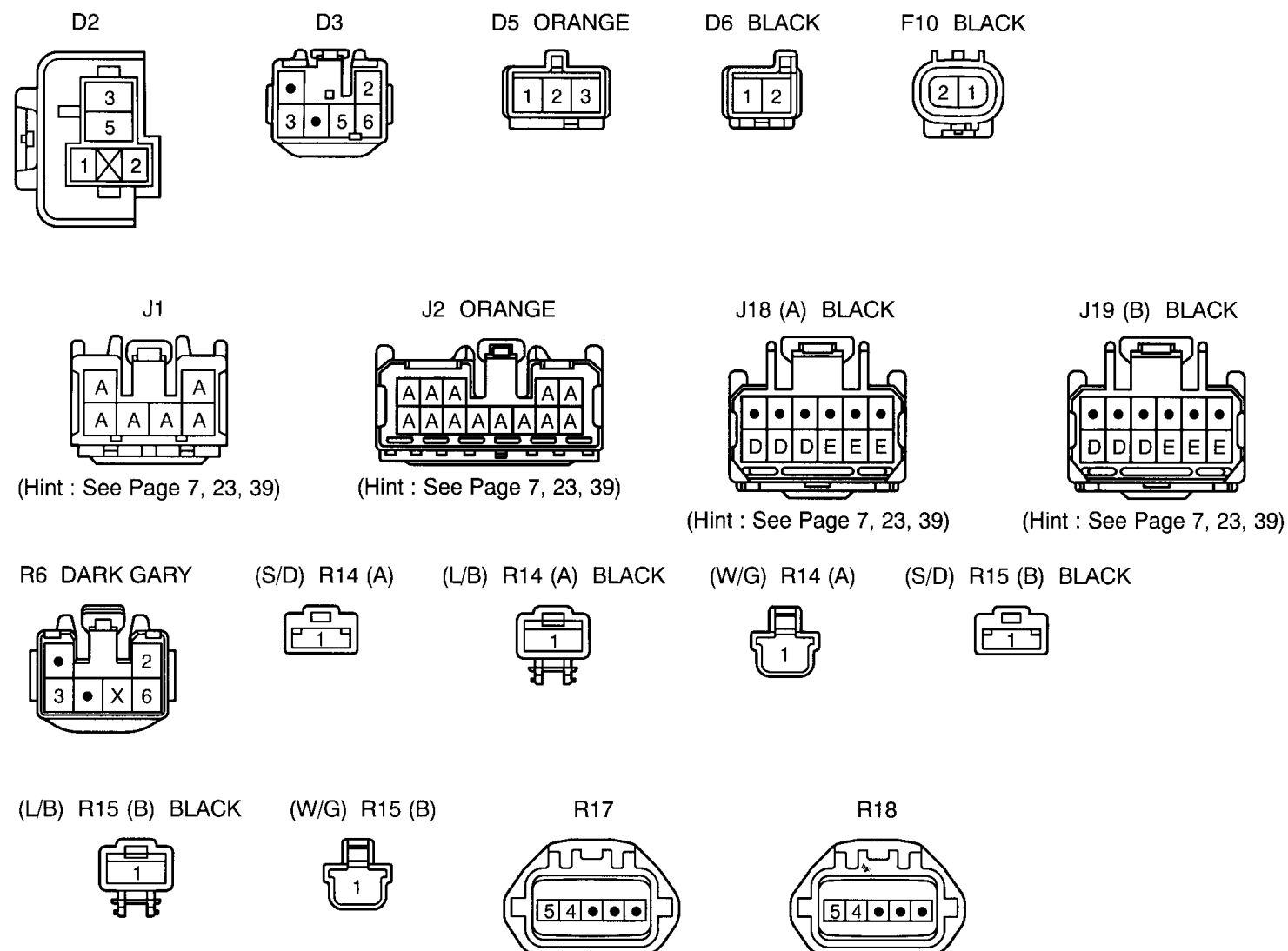
▽ : GROUND POINTS

* A : 7A-FE, 4A-FE Lean Burn Type

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IK	114 (LHD)	Right Kick Panel
BN	118 (LHD S/D)	Right Quarter Pillar
BQ	120 (LHD L/B)	Back Door Center
BR	122 (LHD W/G)	Rear Quarter Panel LH

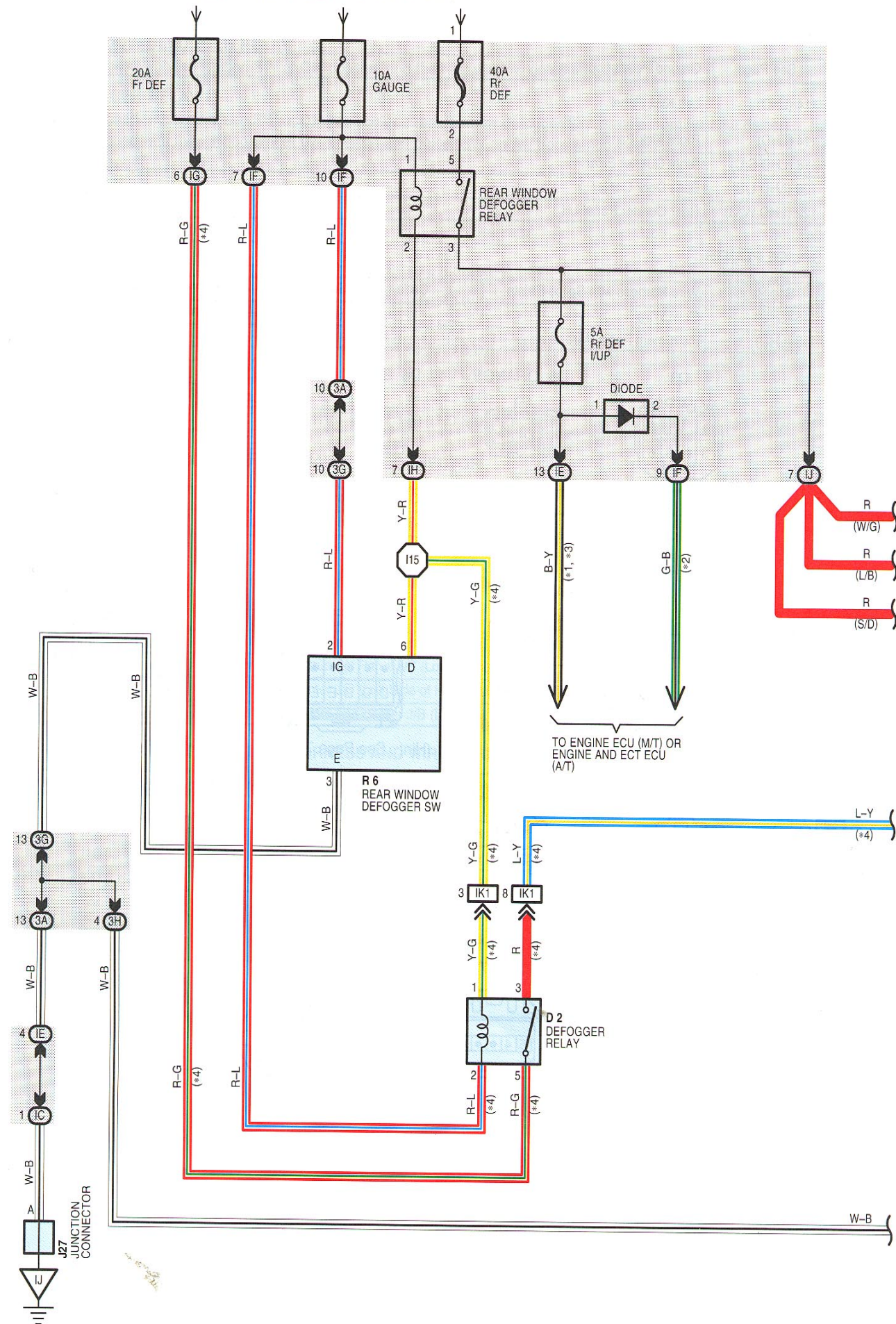
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	116 (LHD)	Cowl Wire	I8	116 (LHD)	Instrument Panel Wire
I13	116 (LHD)	Instrument Panel Wire			

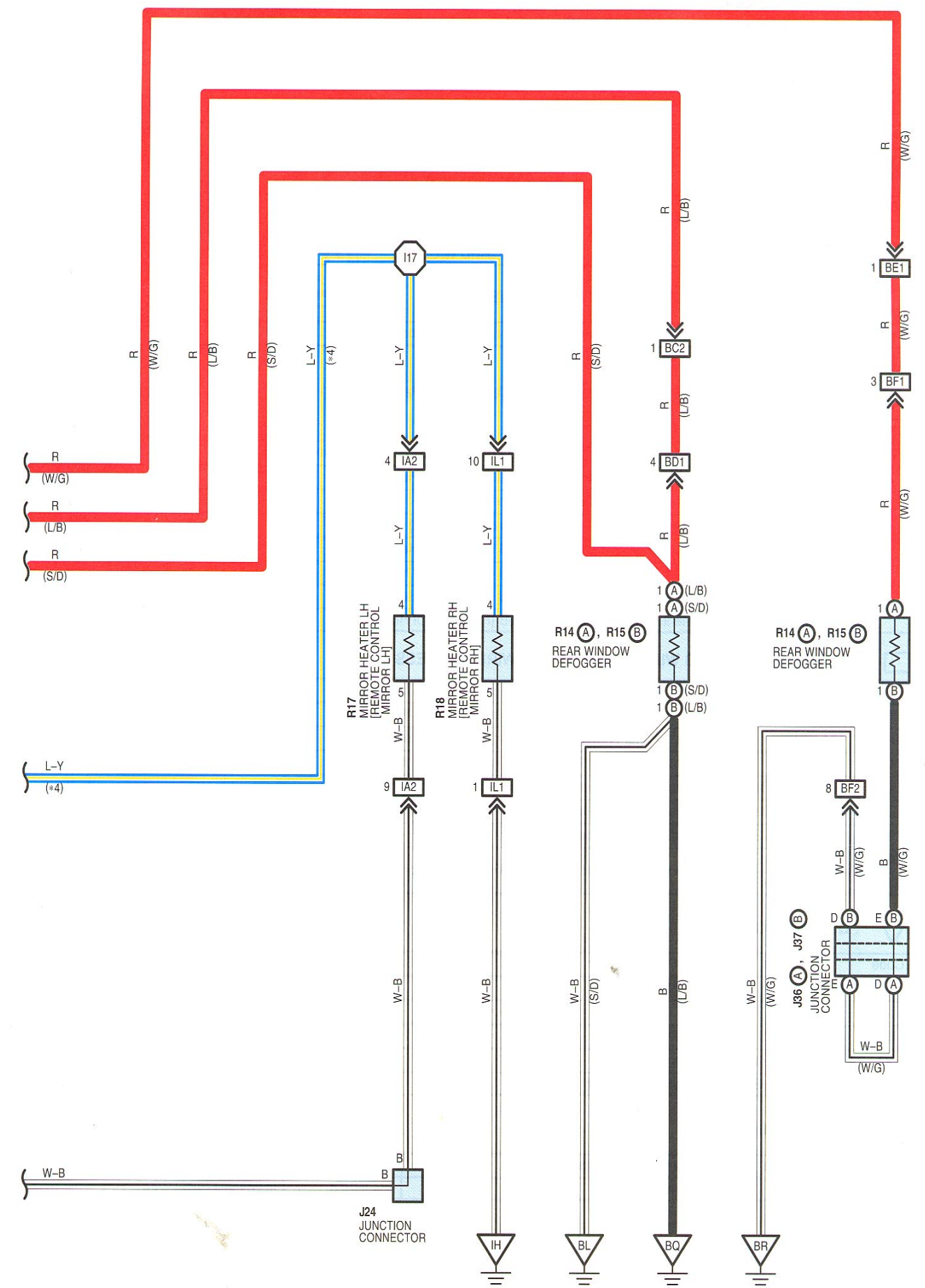


REAR WINDOW DEFOGGER AND MIRROR HEATER (RHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1 : LEAN BURN TYPE * 3 : STOICHIOMETRIC TYPE
* 2 : 3S-FE * 4 : EUROPE



REAR WINDOW DEFOGGER AND MIRROR HEATER (RHD)

SERVICE HINTS

REAR WINDOW DEFOGGER RELAY

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

PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D2	94 (RHD)	R14	A	98 (RHD S/D)	98 (RHD S/D)
J24	96 (RHD)			100 (RHD L/B)	100 (RHD L/B)
J27	96 (RHD)			102 (RHD W/G)	102 (RHD W/G)
J36	A	R15	B	98 (RHD S/D)	98 (RHD S/D)
J37	B			100 (RHD L/B)	100 (RHD L/B)
R6	96 (RHD)			102 (RHD W/G)	102 (RHD W/G)

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	132 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)
IL1	134 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BC2	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Quarter Pillar)
BD1	138 (RHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
BE1	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF1	140 (RHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	140 (RHD W/G)	

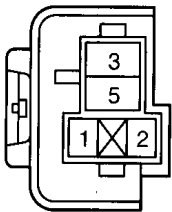
GROUND POINTS

Code	See Page	Ground Points Location
IH	132 (RHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
BL	136 (RHD S/D)	Left Quarter Pillar
BQ	138 (RHD L/B)	Back Door Center
BR	140 (RHD W/G)	Rear Quarter Panel LH

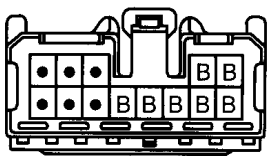
SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I15	134 (RHD)	Instrument Panel Wire	I17	134 (RHD)	Instrument Panel Wire

D2

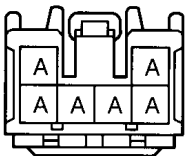


J24 GRAY



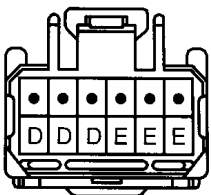
(Hint : See Page 7, 23, 39)

J27



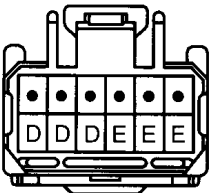
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



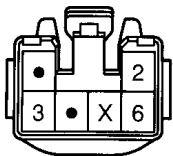
(Hint : See Page 7, 23, 39)

J37 (B) BLACK



(Hint : See Page 7, 23, 39)

R6 DARK GRAY



(S/D) R14 (A)



(L/B) R14 (A) BLACK



(W/G) R14 (A)



(S/D) R15 (B) BLACK



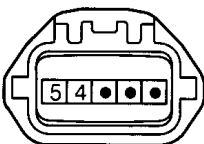
(L/B) R15 (B) BLACK



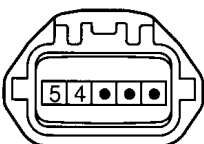
(W/G) R15 (B)

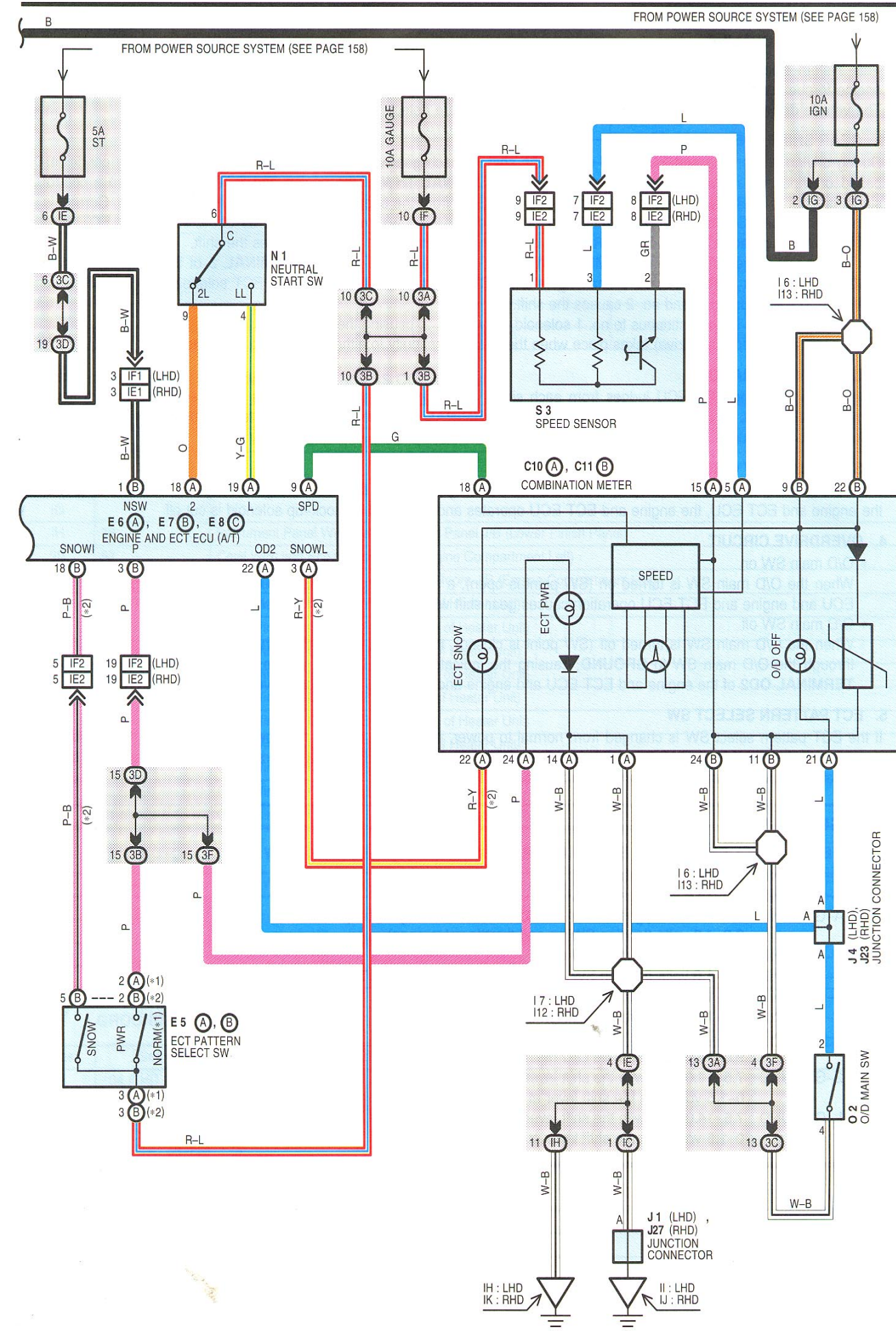
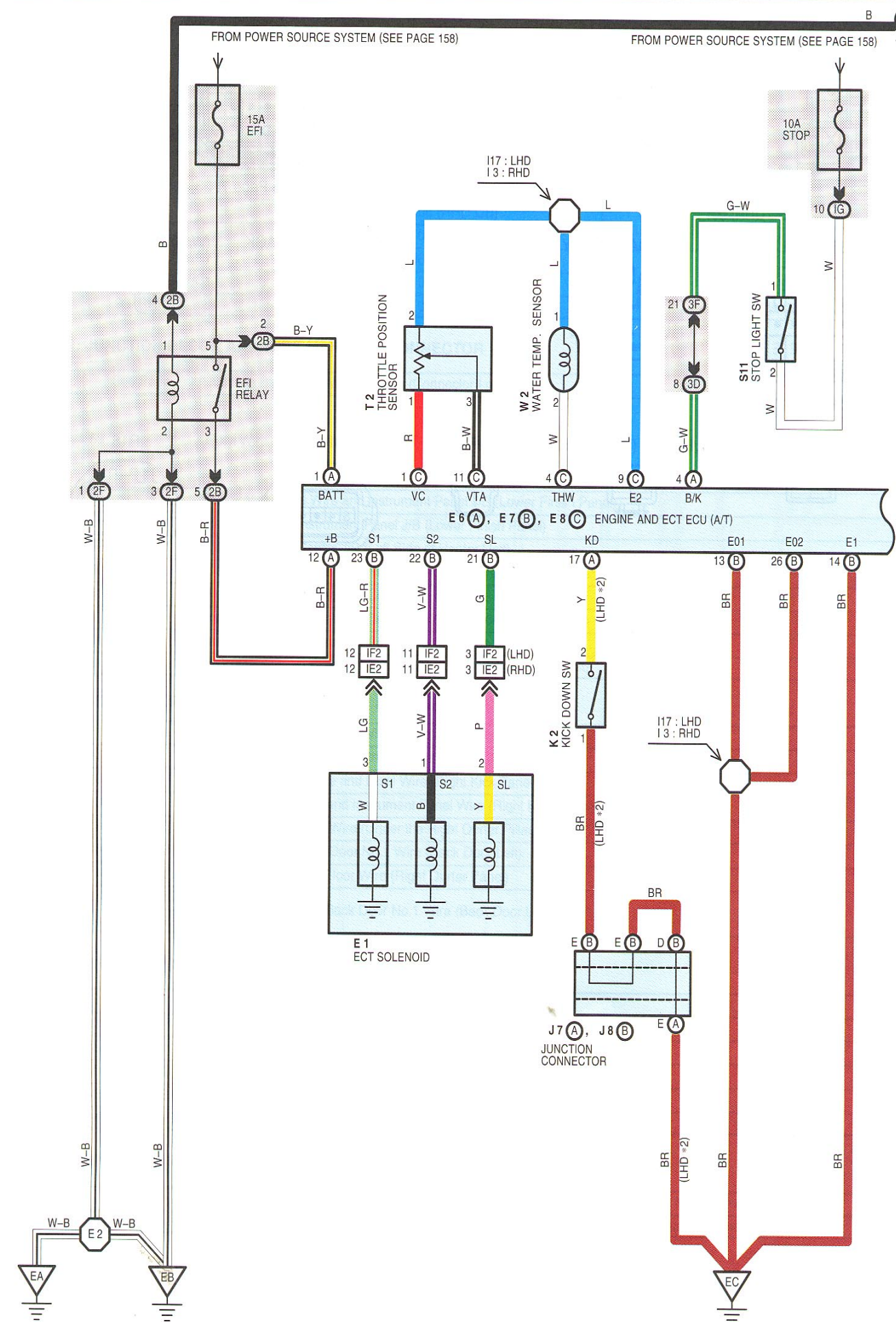


R17



R18





SYSTEM OUTLINE

This system electronically controls the gear shift timing, lock-up timing, the clutch and brake hydraulic pressure, and the engine torque during shifting to achieve optimum shift feeling.
The vehicle driving conditions and engine operating conditions are detected by various sensors.

1. GEAR SHIFT OPERATION

During driving, the engine and ECT ECU selects the shift for each gear which is most appropriate to the driving conditions based on input signals from the water temp. sensor to **TERMINAL THW** of the engine and ECT ECU, and also a control signal is input to **TERMINAL SPD** of the engine and ECT ECU from the speed sensor via the combination meter. Current is then output to the ECT solenoid. When shifting to 1st speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and continuity to the no. 1 solenoid causes the shift.
For 2nd speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and from **TERMINAL S2** of the engine and ECT ECU to **TERMINAL 1** of the ECT solenoid to **GROUND**, and continuity to solenoids no. 1 and no. 2 causes the shift.
For 3rd speed, there is no continuous to no. 1 solenoid, only to no. 2, causing the shift.
Shifting into 4th speed (Overdrive) takes place when there is no continuity to either no. 1 or no. 2 solenoid.

2. LOCK-UP OPERATION

When the engine and ECT ECU judges from each signal that lock-up operation conditions have been met, current flows from **TERMINAL SL** of the engine and ECT ECU to **TERMINAL 2** of the ECT solenoid to **GROUND**, continuity to the lock-up solenoid causes lock-up operation.

3. STOP LIGHT SW CIRCUIT

If the brake pedal is depressed (Stop light SW on) when driving in lock-up condition, a signal is input to **TERMINAL B/K** of the engine and ECT ECU, the engine and ECT ECU operates and current to the lock-up solenoid is cut off.

4. OVERDRIVE CIRCUIT

- * O/D main SW on
When the O/D main SW is turned on (SW point is open), a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation causes gear shift when the conditions for overdrive are met.
- * O/D main SW off
When the O/D main SW is turned off (SW point is closed), the current flowing through the O/D off indicator light flows through the O/D main SW to **GROUND**, causing the indicator light to light up. At the same time, a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation prevents shift into overdrive.

5. ECT PATTERN SELECT SW

If the ECT pattern select SW is changed from normal to power, the current through the power indicator flows to **GROUND**, current flows to **TERMINAL P** of the engine and ECT ECU, the engine and ECT ECU operates, and shift up and shift down occurs at higher vehicle speeds than when the SW is in **NORM** position.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE AND ECT ECU

- BATT-GROUND : **9.0-14.0** volts (Always)
- +B-GROUND : **9.0-14.0** volts (Ignition SW on)
- VTA-GROUND : **0.3-0.8** volts (Ignition SW on and throttle valve fully closed)
: **3.2-4.9** volts (Ignition SW on and throttle valve open)
- VC-GROUND : **4.5-5.5** volts (Ignition SW on)
- THW-GROUND : **0.2-1.0** volts (Ignition SW on and coolant temp. **80°C (176°F)**)
- B/K-GROUND : **9.0-14.0** volts (Brake pedal depress)
- S1, S2-GROUND : **9.0-14.0** volts with the ignition SW on (Engine running)
- OD2-GROUND : **0-3.0** volts with the O/D main SW turned on
: **9.0-14.0** volts with the O/D main SW turned off
- 2-GROUND : **7.5-14.0** volts with the shift lever at **2** position
: **0-1.5** volts with the shift lever at except **2** position
- L-GROUND : **7.5-14.0** volts with the shift lever at **L** position
: **0-1.5** volts with the shift lever at except **L** position

⊙ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	A	76 (LHD)	E7	B	94 (RHD)	N1	86 (RHD 3S-FE)	
		94 (RHD)			76 (LHD)			78 (LHD)
C11	B	76 (LHD)	E8	C	94 (RHD)	O2	96 (RHD)	
		94 (RHD)			78 (LHD)			66 (LHD 3S-FE)
E1		66 (LHD 3S-FE)	J4		78 (LHD)	S3	86 (RHD 3S-FE)	
		86 (RHD 3S-FE)			78 (LHD)			78 (LHD)
E5	A, B	76 (LHD)	J8	A	78 (LHD)	S11	96 (RHD)	
		94 (RHD)			96 (RHD)			66 (LHD 3S-FE)
E6	A	76 (LHD)	J27		96 (RHD)	T2	86 (RHD 3S-FE)	
		94 (RHD)			78 (LHD)			66 (LHD 3S-FE)
E7	B	76 (LHD)	N1		66 (LHD 3S-FE)	W2	86 (RHD 3S-FE)	

□ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

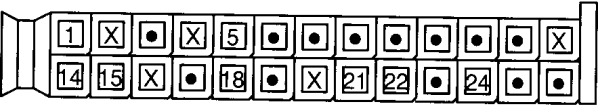
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight LH
	124 (RHD 3S-FE)	
EB	104 (LHD 3S-FE)	
	124 (RHD 3S-FE)	
EC	104 (LHD 3S-FE)	Behind the Intake Manifold
	124 (RHD 3S-FE)	
II	114 (LHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
IH	114 (LHD)	Left Kick Panel
IK	132 (RHD)	Right Kick Panel

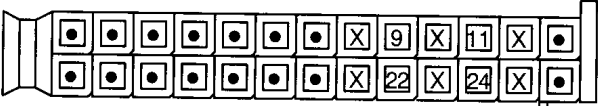
 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	I7	116 (LHD)	Cowl Wire
	124 (RHD 3S-FE)		I12	134 (RHD)	
I3	134 (RHD)	Engine Wire	I13		
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire

C10 (A) BLACK



C11 (B) GREEN



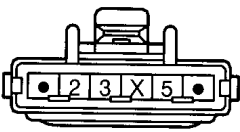
E1 BLACK



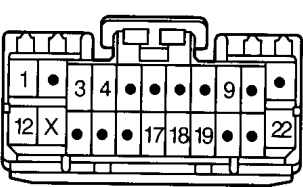
(General) E5 (A) BLACK



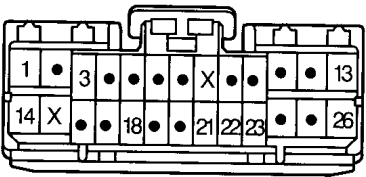
(Europe) E5 (B) BLACK



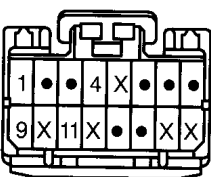
E6 (A)



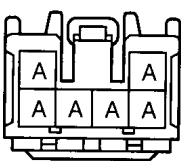
E7 (B)



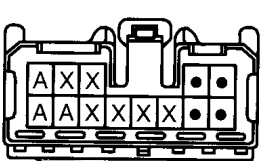
E8 (C)



J1



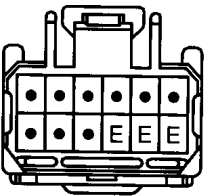
J4 BLUE



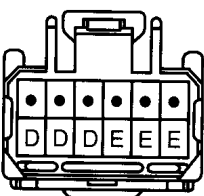
(Hint : See Page 7, 23, 39)

(Hint : See Page 7, 23, 39)

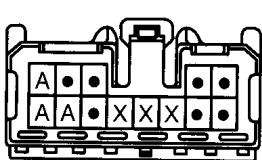
J7 (A) BLACK



J8 (B) BLACK

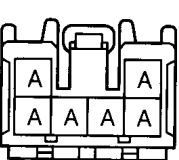


J23 BLUE



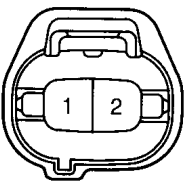
(Hint : See Page 7, 23, 39)

J27

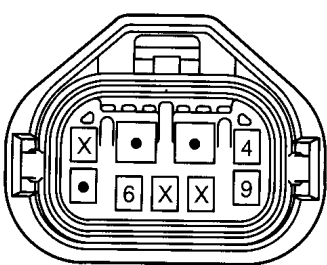


(Hint : See Page 7, 23, 39)

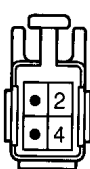
K2 BLACK



N1 GRAY



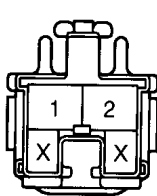
O2



S3 BLACK



S11 BLACK



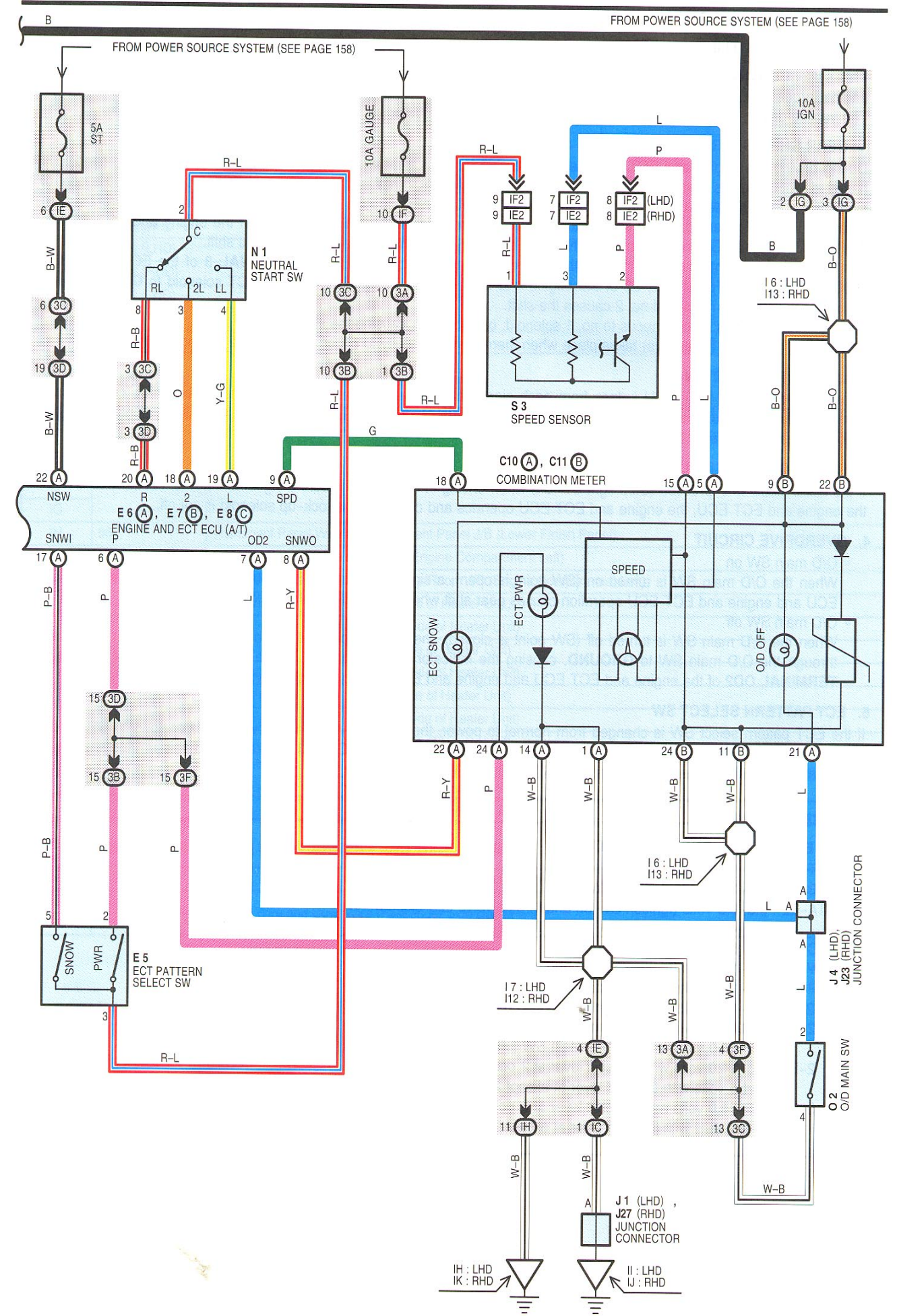
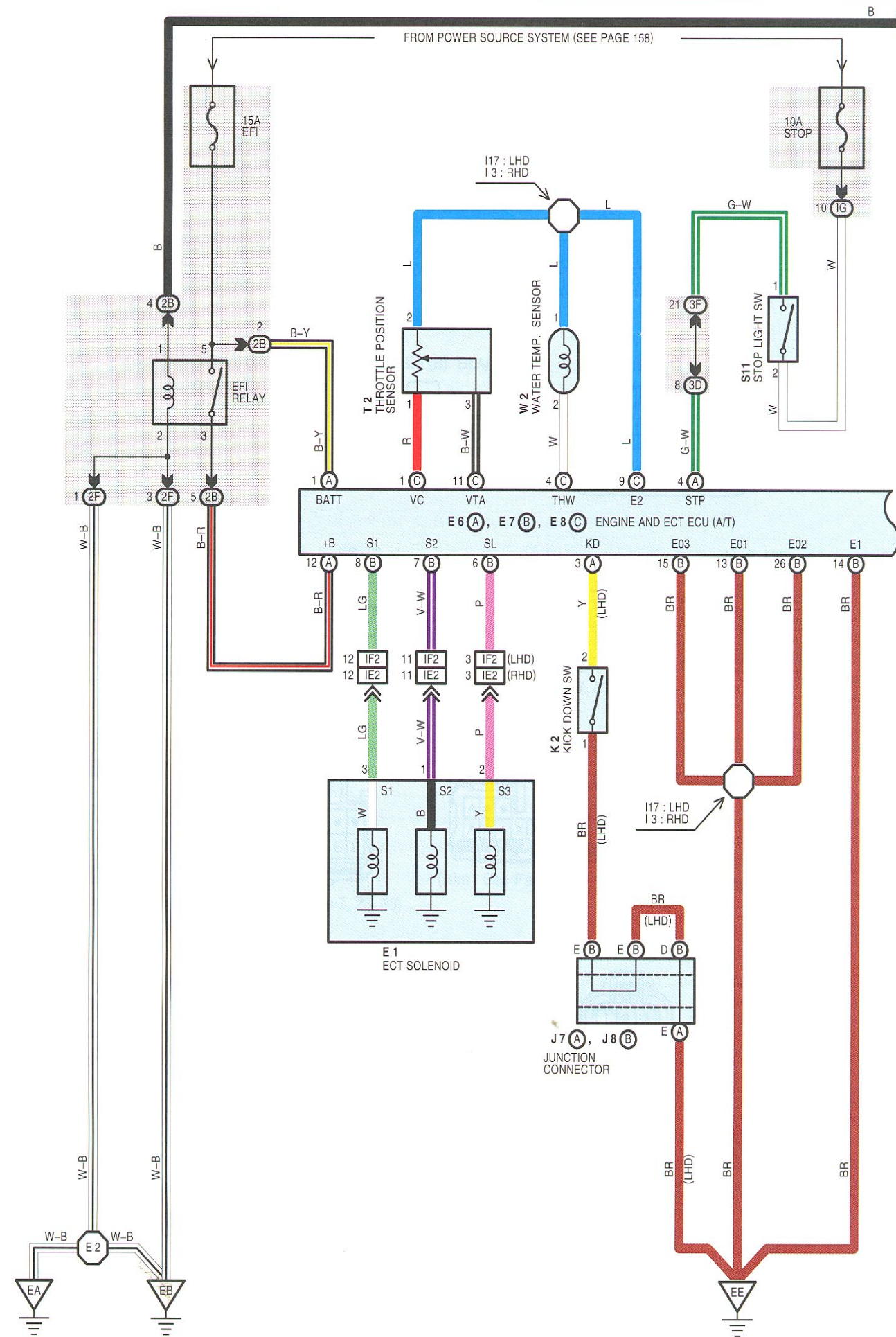
T2 BLACK



W2 DARK GRAY



ECT (LEAN BURN TYPE)



SYSTEM OUTLINE

This system electronically controls the gear shift timing, lock-up timing, the clutch and brake hydraulic pressure, and the engine torque during shifting to achieve optimum shift feeling.
The vehicle driving conditions and engine operating conditions are detected by various sensors.

1. GEAR SHIFT OPERATION

During driving, the engine and ECT ECU selects the shift for each gear which is most appropriate to the driving conditions based on input signals from the water temp. sensor to **TERMINAL THW** of the engine and ECT ECU, and also a control signal is input to **TERMINAL SPD** of the engine and ECT ECU from the speed sensor via combination meter. Current is then output to the ECT solenoid. When shifting to 1st speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and continuity to the no. 1 solenoid causes the shift.
For 2nd speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and from **TERMINAL S2** of the engine and ECT ECU to **TERMINAL 1** of the ECT solenoid to **GROUND**, and continuity to solenoids no. 1 and no. 2 causes the shift.
For 3rd speed, there is no continuous to no. 1 solenoid, only to no. 2, causing the shift.
Shifting into 4th speed (Overdrive) takes place when there is no continuity to either no. 1 or no. 2 solenoid.

2. LOCK-UP OPERATION

When the engine and ECT ECU judges from each signal that lock-up operation conditions have been met, current flows from **TERMINAL SL** of the engine and ECT ECU to **TERMINAL 2** of the ECT solenoid to **GROUND**, continuity to the lock-up solenoid causes lock-up operation.

3. STOP LIGHT SW CIRCUIT

If the brake pedal is depressed (Stop light SW on) when driving in lock-up condition, a signal is input to **TERMINAL STP** of the engine and ECT ECU, the engine and ECT ECU operates and current to the lock-up solenoid is cut off.

4. OVERDRIVE CIRCUIT

- * O/D main SW on
When the O/D main SW is turned on (SW point is open), a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation causes gear shift when the conditions for overdrive are met.
- * O/D main SW off
When the O/D main SW is turned off (SW point is closed), the current flowing through the O/D off indicator light flows through the O/D main SW to **GROUND**, causing the indicator light to light up. At the same time, a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation prevents shift into overdrive.

5. ECT PATTERN SELECT SW

If the ECT pattern select SW is changed from normal to power, the current through the power indicator flows to **GROUND**, current flows to **TERMINAL P** of the engine and ECT ECU, the engine and ECT ECU operates, and shift up and shift down occurs at higher vehicle speeds than when the SW is in **NORMAL** position.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE AND ECT ECU

- BATT-E1 : 9.0-14.0 volts (Always)
- +B-E1 : 9.0-14.0 volts (Ignition SW on)
- VTA-E2 : 0.3-0.8 volts (Ignition SW on and throttle valve fully closed)
: 3.2-4.9 volts (Ignition SW on and throttle valve open)
- VC-E2 : 4.5-5.5 volts (Ignition SW on)
- THW-E2 : 0.2-1.0 volts (Ignition SW on and coolant temp. 80°C (176°F))
- STP-E1 : 9.0-14.0 volts (Brake pedal depress)
- S1, S2-E1 : 9.0-14.0 volts with the ignition SW on (Engine running)
- OD2-E1 : 0-3.0 volts with the O/D main SW turned on
: 9.0-14.0 volts with the O/D main SW turned off
- 2-E1 : 7.5-14.0 volts with the shift lever at 2 position
: 0-1.5 volts with the shift lever at except 2 position
- L-E1 : 7.5-14.0 volts with the shift lever at L position
: 0-1.5 volts with the shift lever at except L position

⊙ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type

Code		See Page	Code		See Page	Code		See Page
C10	A	76 (LHD)	E7	B	94 (RHD)	N1	88 (RHD *A)	
		94 (RHD)						
C11	B	76 (LHD)	E8	C	76 (LHD)	O2	78 (LHD)	
		94 (RHD)						
E1		68 (LHD *A)	J1		78 (LHD)	S3	68 (LHD *A)	
		88 (RHD *A)						
E5		76 (LHD)	J7	A	78 (LHD)	S11	78 (LHD)	
		94 (RHD)						
E6	A	76 (LHD)	J8	B	78 (LHD)	T2	68 (LHD *A)	
		94 (RHD)						
E7	B	76 (LHD)	J23		96 (RHD)	W2	68 (LHD *A)	
		76 (LHD)	J27		96 (RHD)		88 (RHD *A)	
		76 (LHD)	K2		78 (LHD)		68 (LHD *A)	
		76 (LHD)	N1		68 (LHD *A)		88 (RHD *A)	

⊙ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	

▽ : GROUND POINTS

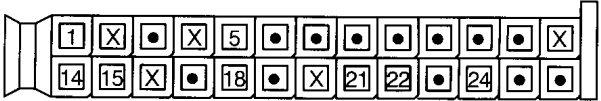
* A : 7A-FE, 4A-FE Lean Burn Type

Code	See Page	Ground Points Location
EA	106 (LHD *A)	Under the Headlight RH
	126 (RHD *A)	
EB	106 (LHD *A)	Under the Headlight LH
	126 (RHD *A)	
EE	106 (LHD *A)	Under the Intake Manifold
	126 (RHD *A)	
II	114 (LHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
IH	114 (LHD)	Left Kick Panel
IK	132 (RHD)	Right Kick Panel

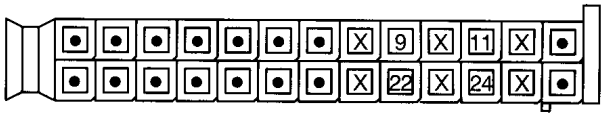
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	106 (LHD *A)	Engine Room Main Wire	I7	116 (LHD)	Cowl Wire
	126 (RHD *A)		I12	134 (RHD)	Cowl Wire
I3	134 (RHD)	Engine Wire	I13		Cowl Wire
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire

C10 (A) BLACK



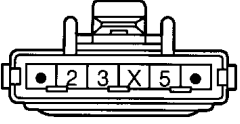
C11 (B) GREEN



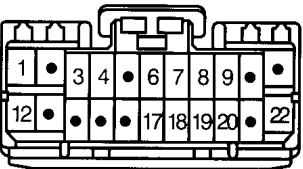
E1 BLACK



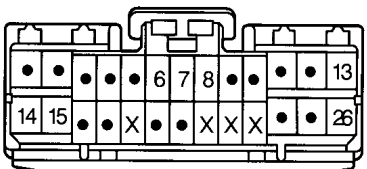
E5 BLACK



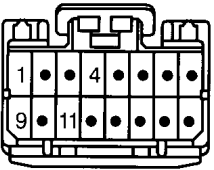
E6 (A)



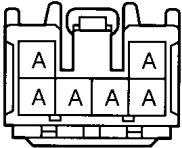
E7 (B)



E8 (C)

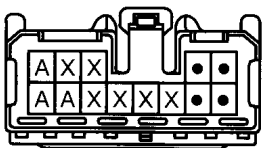


J1



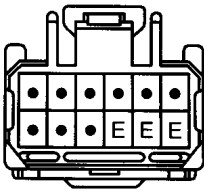
(Hint : See Page 7, 23, 39)

J4 BLUE



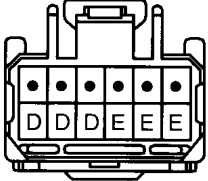
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



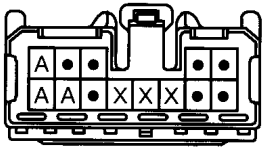
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



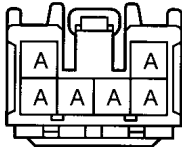
(Hint : See Page 7, 23, 39)

J23 BLUE



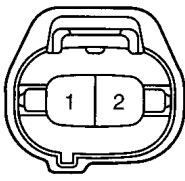
(Hint : See Page 7, 23, 39)

J27

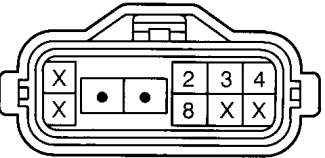


(Hint : See Page 7, 23, 39)

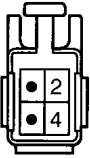
K2 BLACK



N1 GRAY



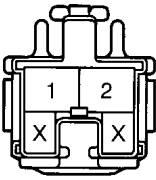
O2



S3 BLACK



S11 BLUE



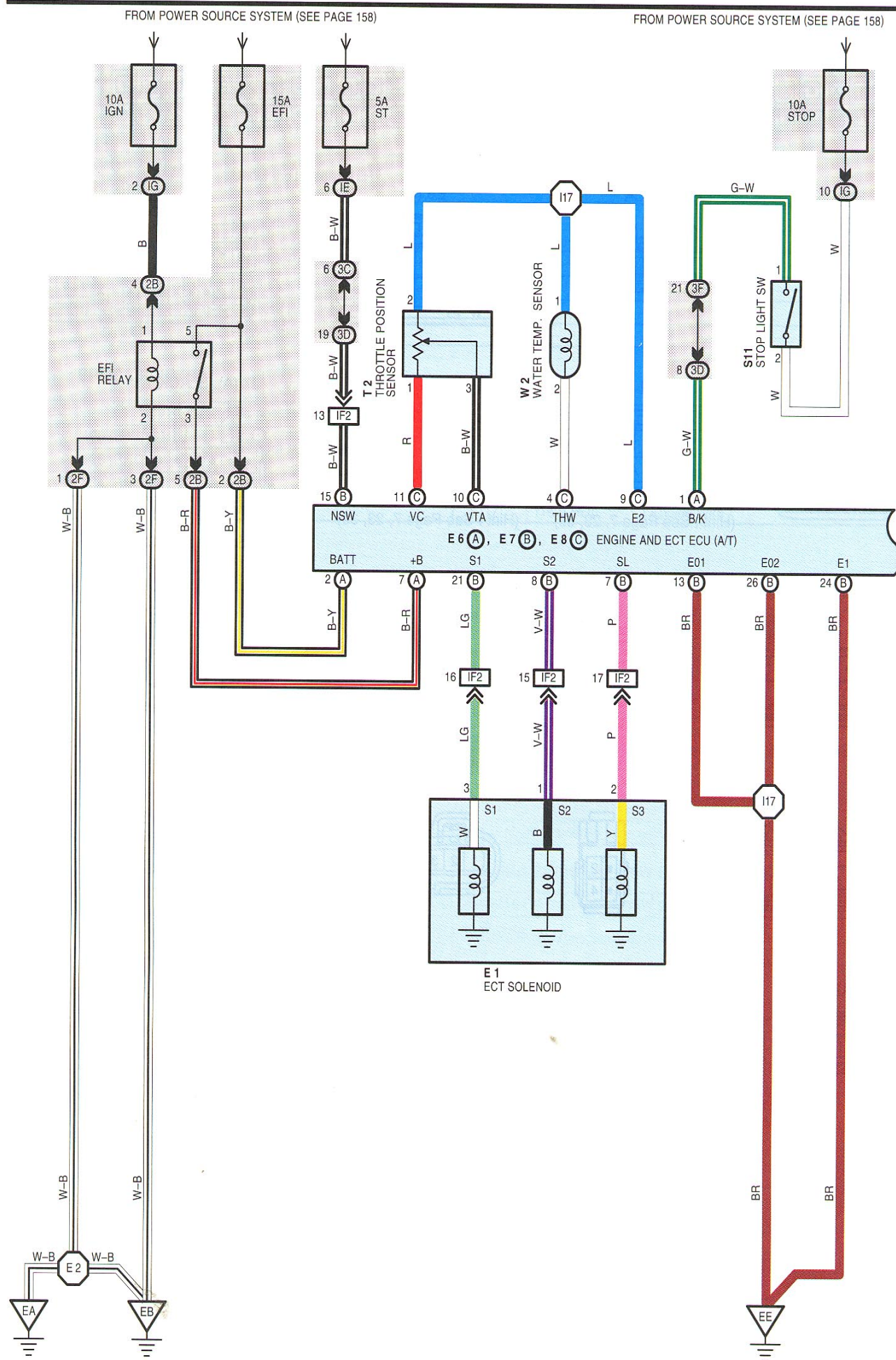
T2 BLACK



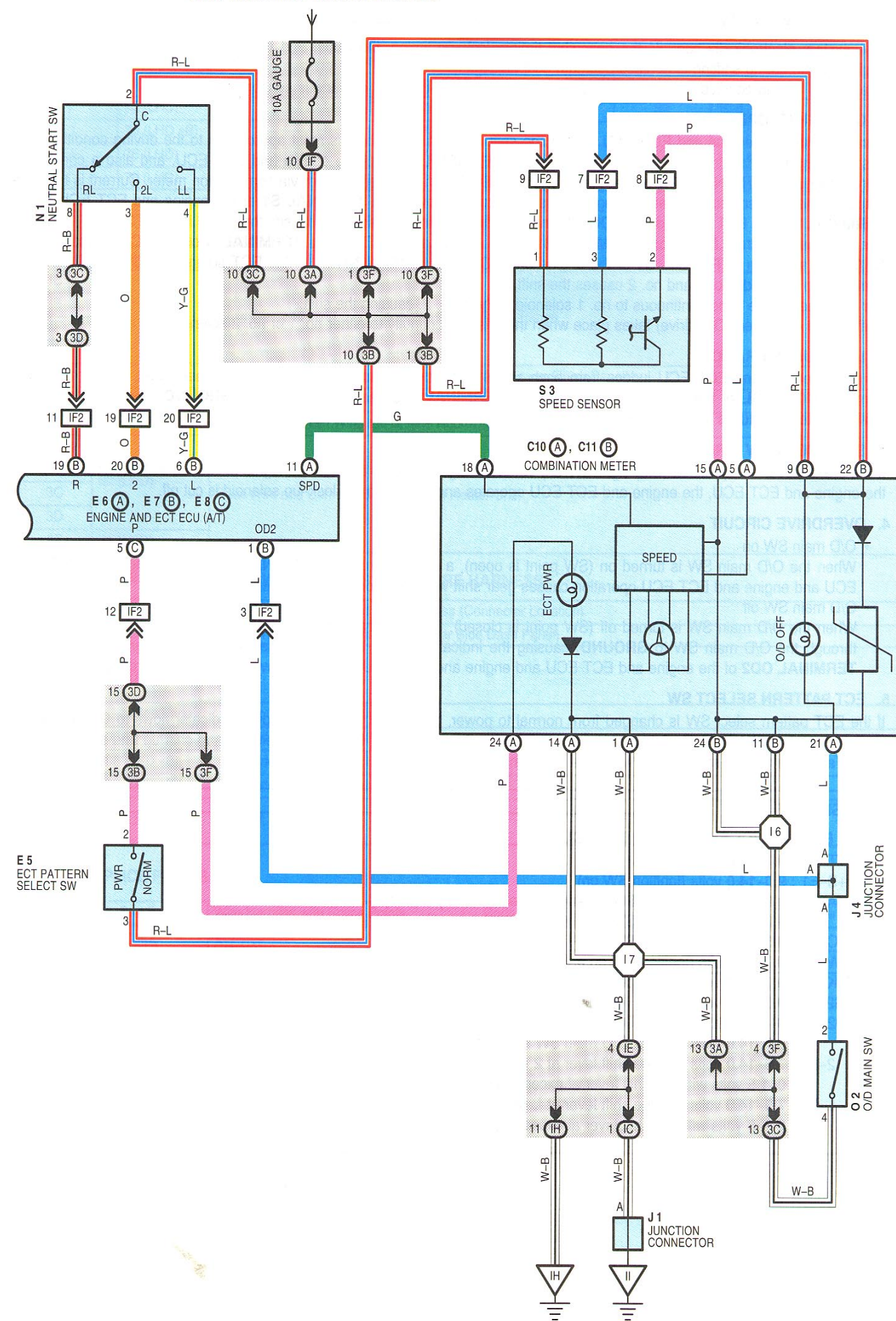
W2 DARK GRAY



ECT (4A-FE GENERAL STOICHIOMETRIC TYPE)



FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SYSTEM OUTLINE

This system electronically controls the gear shift timing, lock-up timing, the clutch and brake hydraulic pressure, and the engine torque during shifting to achieve optimum shift feeling.
The vehicle driving conditions and engine operating conditions are detected by various sensors.

1. GEAR SHIFT OPERATION

During driving, the engine and ECT ECU selects the shift for each gear which is most appropriate to the driving conditions based on input signals from the water temp. sensor to **TERMINAL THW** of the engine and ECT ECU, and also a control signal is input to **TERMINAL SPD** of the engine and ECT ECU from the speed sensor via combination meter. Current is then output to the ECT solenoid. When shifting to 1st speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and continuity to the no. 1 solenoid causes the shift.
For 2nd speed, current flows from **TERMINAL S1** of the engine and ECT ECU to **TERMINAL 3** of the ECT solenoid to **GROUND**, and from **TERMINAL S2** of the engine and ECT ECU to **TERMINAL 1** of the ECT solenoid to **GROUND**, and continuity to solenoids no. 1 and no. 2 causes the shift.
For 3rd speed, there is no continuous to no. 1 solenoid, only to no. 2, causing the shift.
Shifting into 4th speed (Overdrive) takes place when there is no continuity to either no. 1 or no. 2 solenoid.

2. LOCK-UP OPERATION

When the engine and ECT ECU judges from each signal that lock-up operation conditions have been met, current flows from **TERMINAL SL** of the engine and ECT ECU to **TERMINAL 2** of the ECT solenoid to **GROUND**, continuity to the lock-up solenoid causes lock-up operation.

3. STOP LIGHT SW CIRCUIT

If the brake pedal is depressed (Stop light SW on) when driving in lock-up condition, a signal is input to **TERMINAL B/K** of the engine and ECT ECU, the engine and ECT ECU operates and current to the lock-up solenoid is cut off.

4. OVERDRIVE CIRCUIT

- * O/D main SW on
When the O/D main SW is turned on (SW point is open), a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation causes gear shift when the conditions for overdrive are met.
- * O/D main SW off
When the O/D main SW is turned off (SW point is closed), the current flowing through the O/D off indicator light flows through the O/D main SW to **GROUND**, causing the indicator light to light up. At the same time, a signal is input to **TERMINAL OD2** of the engine and ECT ECU and engine and ECT ECU operation prevents shift into overdrive.

5. ECT PATTERN SELECT SW

If the ECT pattern select SW is changed from normal to power, the current through the power indicator flows to **GROUND**, current flows to **TERMINAL P** of the engine and ECT ECU, the engine and ECT ECU operates, and shift up and shift down occurs at higher vehicle speeds than when the SW is in **NORM** position.

SERVICE HINTS

E6 (A), E7 (B), E8 (C) ENGINE AND ECT ECU

- BATT-E1 : 9.0-14.0 volts (Always)
- +B-E1 : 9.0-14.0 volts (Ignition SW on)
- VTA-E2 : 0.3-0.8 volts (Ignition SW on and throttle valve fully closed)
: 3.2-4.9 volts (Ignition SW on and throttle valve open)
- VC-E2 : 4.5-5.5 volts (Ignition SW on)
- THW-E2 : 0.2-1.0 volts (Ignition SW on and coolant temp. 80°C (176°F))
- B/K-E1 : 9.0-14.0 volts (Brake pedal depress)
- S1, S2-E1 : 9.0-14.0 volts with the ignition SW on (Engine running)
- OD2-E1 : 0-3.0 volts with the O/D main SW turned on
: 9.0-14.0 volts with the O/D main SW turned off
- 2-E1 : 7.5-14.0 volts with the shift lever at 2 position
: 0-1.5 volts with the shift lever at except 2 position
- L-E1 : 7.5-14.0 volts with the shift lever at L position
: 0-1.5 volts with the shift lever at except L position

⊙ : PARTS LOCATION

* B : 4A-FE Stoichiometric Type

Code		See Page	Code		See Page	Code		See Page
C10	A	76 (LHD)	E7	B	76 (LHD)	O2		78 (LHD)
C11	B	76 (LHD)	E8	C	76 (LHD)	S3		70 (LHD *B)
E1		70 (LHD *B)	J1		78 (LHD)	S11		78 (LHD)
E5		76 (LHD)	J4		78 (LHD)	T2		70 (LHD *B)
E6	A	76 (LHD)	N1		70 (LHD *B)	W2		70 (LHD *B)

⊖ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3B		
3C		
3D		
3F	61 (LHD)	

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)

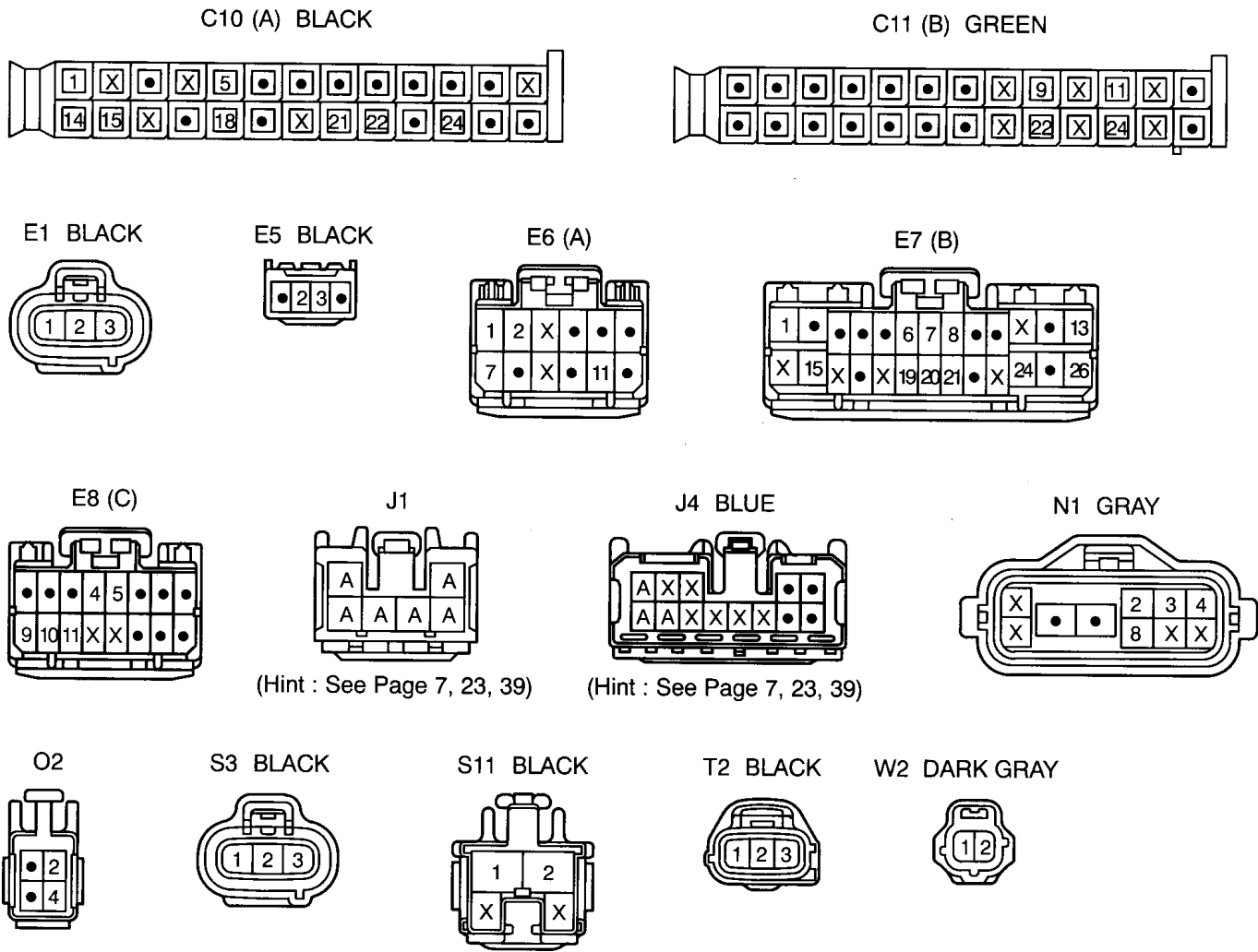
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD *B)	Under the Headlight RH
EB	108 (LHD *B)	Under the Headlight LH
EE	108 (LHD *B)	Under the Intake Manifold
IH	114 (LHD)	Left Kick Panel
II		

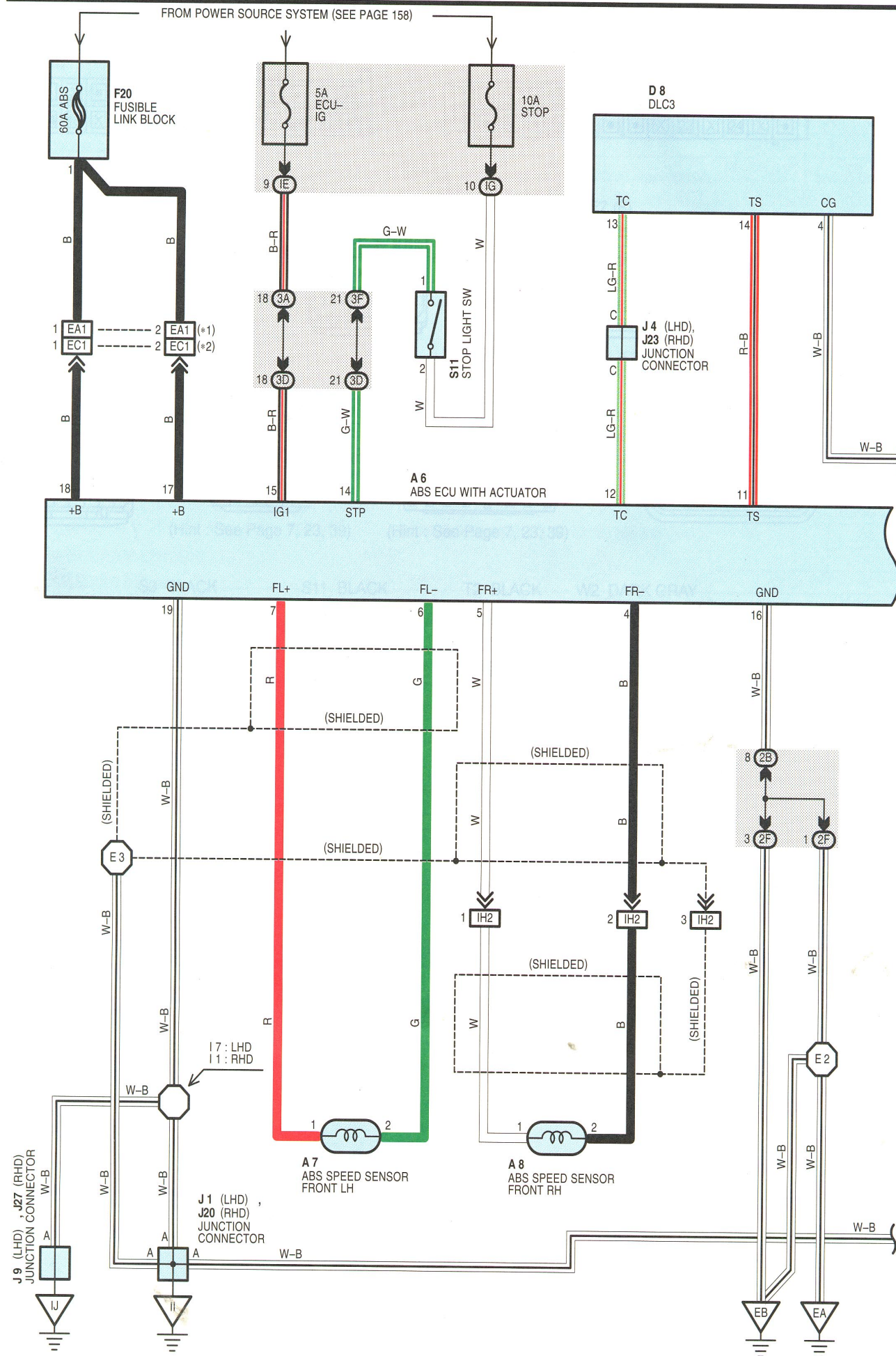
⊘ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire
I7					

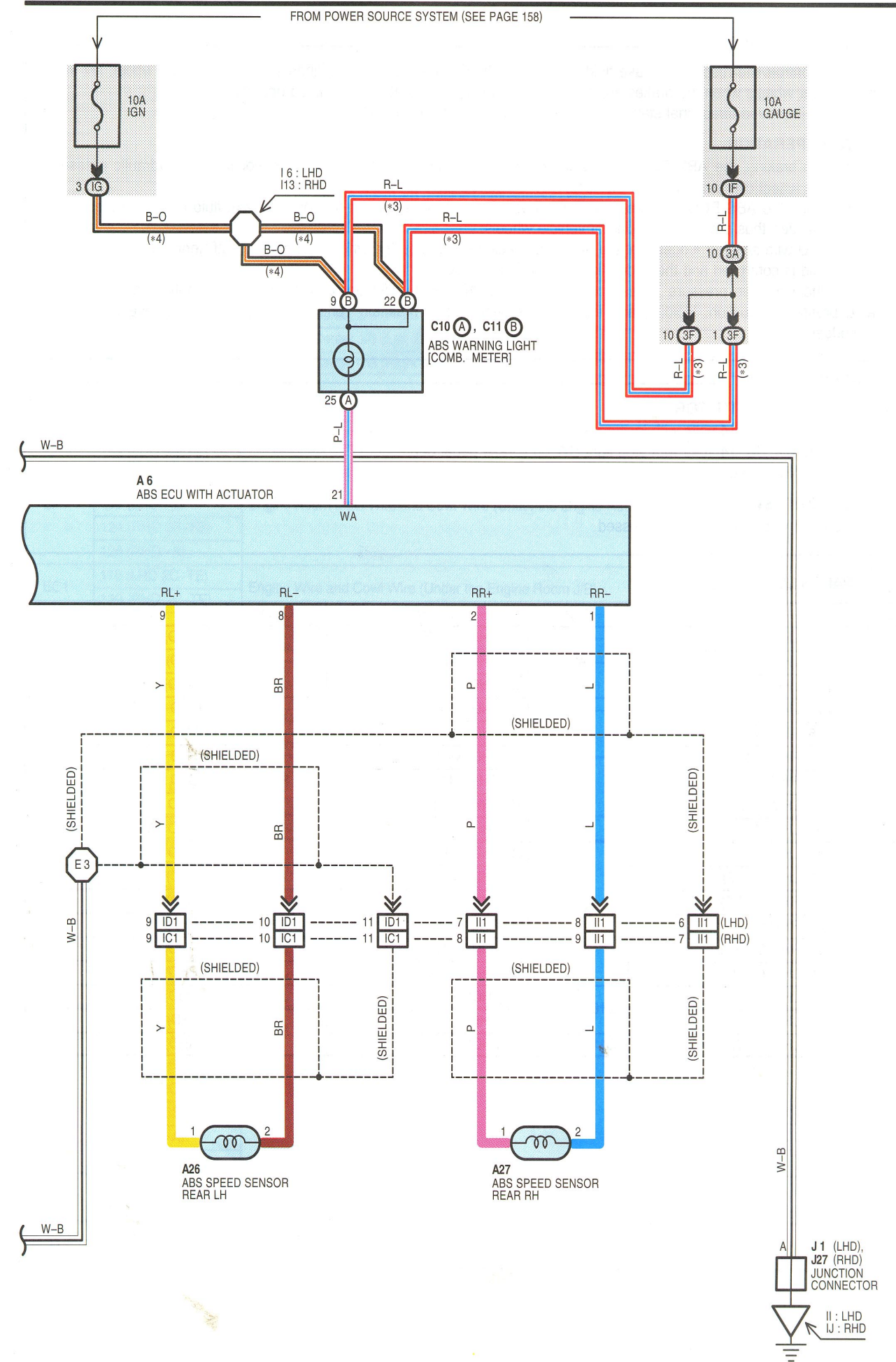
ECT (4A-FE GENERAL STOICHIOMETRIC TYPE)



ABS



* 1 : GASOLINE * 3 : DIESEL, 4A-FE STOICHIOMETRIC TYPE
* 2 : DIESEL * 4 : 3S-FE, LEAN BURN TYPE



SYSTEM OUTLINE

This system controls the respective brake fluid pressures acting on the disc brake cylinders of the right front wheel, left front wheel, and 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. SYSTEM OPERATION

During sudden braking, the ABS ECU with actuator which has signals input from each sensor lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir. The pump inside the ABS ECU with actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of vehicle wheels. If the ABS ECU with actuator 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 ABS ECU with actuator, 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

A6 ABS ECU WITH ACTUATOR

- 1-GROUND : 10-14 volts with ignition SW on
- 2-GROUND : 10-14 volts with stop light SW on (Brake pedal depressed)
- 26, 23-GROUND : Always continuity

S11 STOP LIGHT SW

- 2-1 : Closed with brake pedal depressed

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A6	66 (LHD 3S-FE)	A8	86 (RHD 3S-FE)	C11	B
	68 (LHD *A)		88 (RHD *A)	D8	76 (LHD)
	70 (LHD *B)		92 (RHD 2C-TE)		94 (RHD)
	72 (LHD 2C-TE)	A26	80 (LHD S/D)	F20	66 (LHD 3S-FE)
	86 (RHD 3S-FE)		82 (LHD L/B)		68 (LHD *A)
	88 (RHD *A)		84 (LHD W/G)		70 (LHD *B)
	92 (RHD 2C-TE)		98 (RHD S/D)		72 (LHD 2C-TE)
A7	66 (LHD 3S-FE)		100 (RHD L/B)		86 (RHD 3S-FE)
	68 (LHD *A)		102 (RHD W/G)		88 (RHD *A)
	70 (LHD *B)	A27	80 (LHD S/D)		92 (RHD 2C-TE)
	72 (LHD 2C-TE)		82 (LHD L/B)	J1	78 (LHD)
	86 (RHD 3S-FE)		84 (LHD W/G)	J4	78 (LHD)
	88 (RHD *A)		98 (RHD S/D)	J9	78 (LHD)
A8	92 (RHD 2C-TE)		100 (RHD L/B)	J20	96 (RHD)
	66 (LHD 3S-FE)	C10	102 (RHD W/G)	J23	96 (RHD)
	68 (LHD *A)		76 (LHD)	J27	96 (RHD)
	70 (LHD *B)		94 (RHD)	S11	78 (LHD)
	72 (LHD 2C-TE)	C11	B		96 (RHD)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IF		
IG		
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	104 (LHD 3S-FE)	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
	106 (LHD *A)	
	108 (LHD *B)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
EC1	110 (LHD 2C-TE)	Engine Wire and Cowl Wire (Under the Engine Room J/B)
	130 (RHD 2C-TE)	
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)

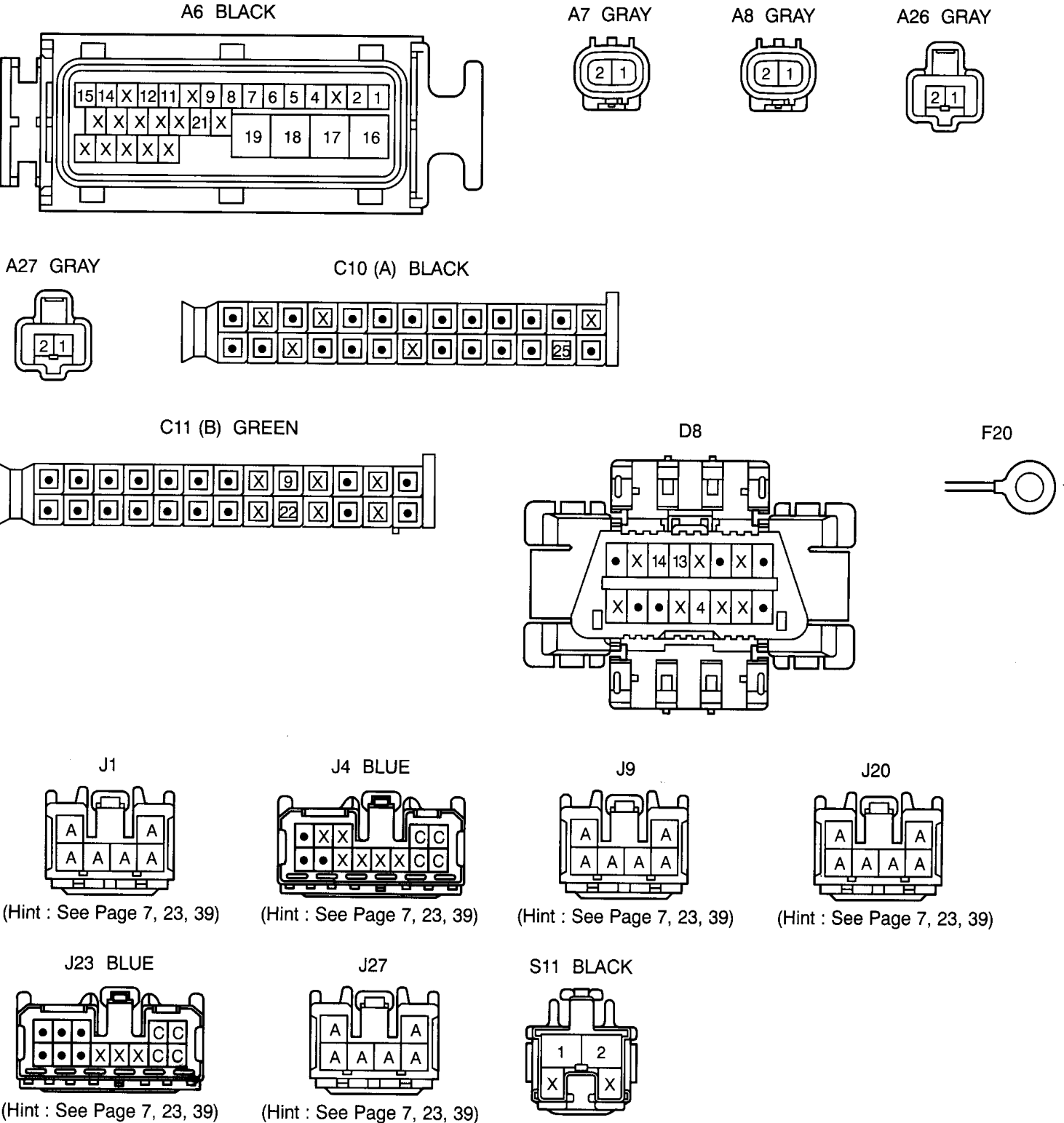
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	130 (RHD 2C-TE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
II	114 (LHD)	Left Kick Panel
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	

 : SPLICE POINTS

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	E3	108 (LHD *B)	Cowl Wire
	106 (LHD *A)			110 (LHD 2C-TE)	
	108 (LHD *B)			124 (RHD 3S-FE)	
	110 (LHD 2C-TE)			126 (RHD *A)	
	124 (RHD 3S-FE)			130 (RHD 2C-TE)	
	126 (RHD *A)		I1	134 (RHD)	
	130 (RHD 2C-TE)		I6	116 (LHD)	
E3	104 (LHD 3S-FE)	Cowl Wire	I7		
	106 (LHD *A)		I13	134 (RHD)	



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

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



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&RAD** fuse flows to **TERMINAL (B) 6** of the center airbag sensor assembly. Only when the ignition SW is on does the current flow from the **IGN** fuse to **TERMINAL (B) 5** of the center airbag sensor assembly.

If an accident occurs while driving, when the frontal impact exceeds a set level, current from the **CIG&RAD** or **IGN** fuse flows to **TERMINALS (B) 14, (B) 10, (A) 5** and **(C) 2** of the center airbag sensor assembly to **TERMINAL 1** of the airbag squibs and **TERMINAL 2** of the pretensioners to **TERMINAL 2** of the airbag squibs and **TERMINAL 1** of the pretensioners to **TERMINALS (B) 13, (B) 11, (A) 6** and **(C) 1** of the center airbag sensor assembly to **TERMINAL (B) 27, (B) 28** or **BODY GROUND** to **GROUND**, so that current flows to the airbag squibs and the pretensioners and causes them to operate.

When the side impact also exceeds a set level, current from the **CIG & RAD** or **IGN** fuse flows to **TERMINALS (B) 15, (B) 9, (A) 5** and **(C) 2** of the center airbag sensor assembly to **TERMINAL 2** of the side airbag squibs and the pretensioners to **TERMINAL 1** to **TERMINALS (B) 26, (B) 20, (A) 6** and **(C) 1** of the center airbag sensor assembly to **TERMINAL (B) 27, (B) 28** 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 front 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
A23	76 (LHD)	F2	66 (LHD 3S-FE)	S14	82 (LHD L/B)
	94 (RHD)		68 (LHD *A)		84 (LHD W/G)
A24	76 (LHD)		70 (LHD *B)		98 (RHD S/D)
	94 (RHD)		72 (LHD 2C-TE)		100 (RHD L/B)
C2	70 (LHD *B)		74 (LHD 2C-T)		102 (RHD W/G)
	74 (LHD 2C-T)		86 (RHD 3S-FE)	S15	80 (LHD S/D)
	90 (RHD *B)		88 (RHD *A)		82 (LHD L/B)
C4	76 (LHD)		92 (RHD 2C-TE)		84 (LHD W/G)
	94 (RHD)	J1	78 (LHD)		98 (RHD S/D)
C5	76 (LHD)	J4	78 (LHD)		100 (RHD L/B)
	94 (RHD)	J23	96 (RHD)		102 (RHD W/G)
C6	76 (LHD)	J27	96 (RHD)	S16	80 (LHD S/D)
	94 (RHD)	P12	80 (LHD S/D)		82 (LHD L/B)
C11	76 (LHD)		82 (LHD L/B)		84 (LHD W/G)
	94 (RHD)		84 (LHD W/G)		98 (RHD S/D)
D8	76 (LHD)		98 (RHD S/D)		100 (RHD L/B)
	94 (RHD)		100 (RHD L/B)		102 (RHD W/G)
F1	66 (LHD 3S-FE)	P13	102 (RHD W/G)	S17	80 (LHD S/D)
	68 (LHD *A)		80 (LHD S/D)		82 (LHD L/B)
	70 (LHD *B)		82 (LHD L/B)		84 (LHD W/G)
	72 (LHD 2C-TE)		84 (LHD W/G)		98 (RHD S/D)
	74 (LHD 2C-T)		98 (RHD S/D)		100 (RHD L/B)
	86 (RHD 3S-FE)		100 (RHD L/B)		102 (RHD W/G)
	88 (RHD *A)		102 (RHD W/G)		
	92 (RHD 2C-TE)	S14	80 (LHD S/D)		

JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IG		
IL	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
ID1	132 (RHD)	
IE1	114 (LHD)	Instrument Panel Wire and Cowl Wire (Right Side of Instrument Panel J/B)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	
IG1	116 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
	134 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)

GROUND POINTS

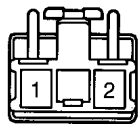
Code	See Page	Ground Points Location
II	114 (LHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel

* 1 : 4A-FE General Stoichiometric Type
(2C-T) C2 BLACK

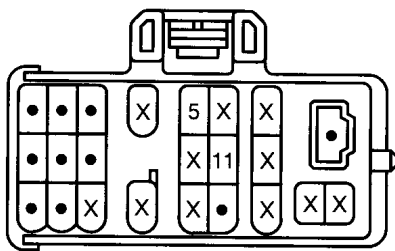
A23 YELLOW



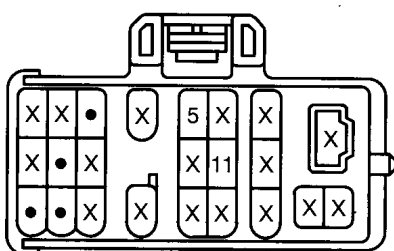
A24 YELLOW



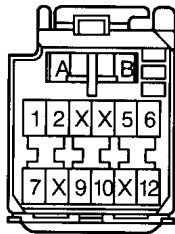
(* 1) C2 BLACK



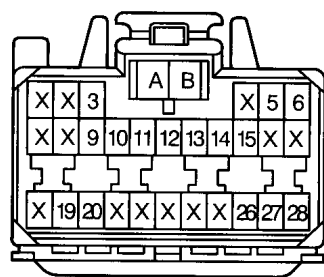
(2C-T) C2 BLACK



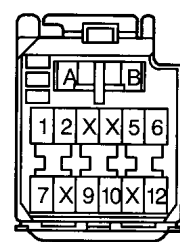
C4 (A) YELLOW



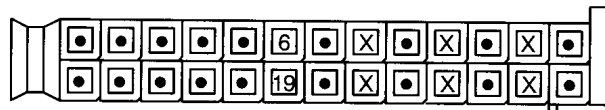
C5 (B) YELLOW



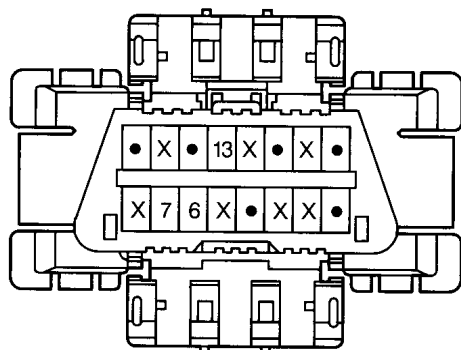
C6 (C) YELLOW



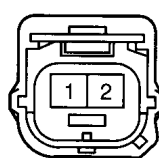
C11 GREEN



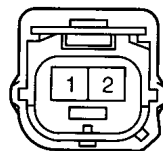
D8



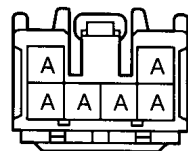
F1 YELLOW



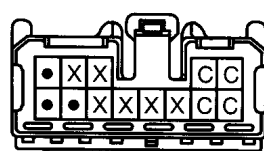
F2 YELLOW



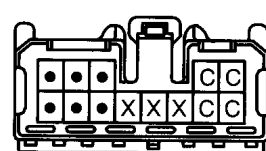
J1



J4 BLUE



J23 BLUE

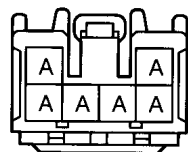


(Hint : See Page 7, 23, 39)

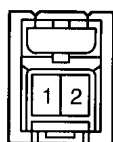
(Hint : See Page 7, 23, 39)

(Hint : See Page 7, 23, 39)

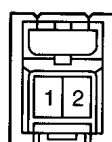
J27



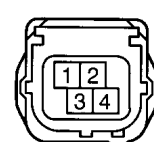
P12 YELLOW



P13 YELLOW



S14 YELLOW



S15 YELLOW



(Hint : See Page 7, 23, 39)

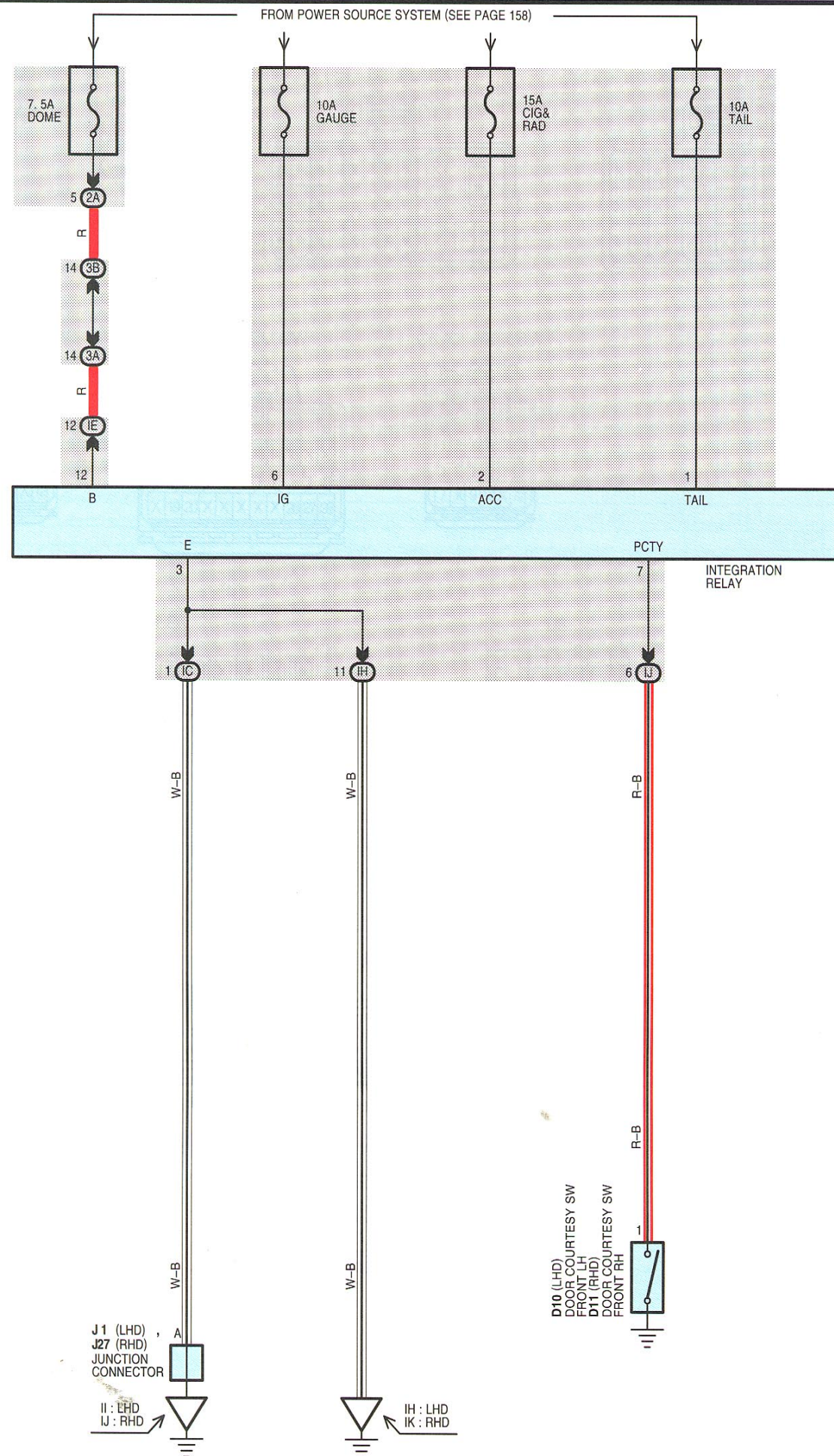
S16 YELLOW



S17 YELLOW



LIGHT REMINDER BUZZER



SYSTEM OUTLINE

Current always flow to **TERMINAL 12** of the integration relay through the **DOME** fuse.
With the ignition SW in **ACC** position, current flows to **TERMINAL 2** of the integration relay, when the ignition SW is turned to **ON** position, current flows to **TERMINAL 6** of the integration relay. When the light control SW is turned to **TAIL** or **HEAD** position, current is applied to **TERMINAL 1** of the integration relay.

LIGHT REMINDER SYSTEM

When the light control SW is in **TAIL** or **HEAD** position, the ignition SW in **OFF** position and the driver's door is opened (door courtesy SW on), the current flows to **TERMINALS 2, 6** of the integration relay is stopped. As a result, the relay is activated and current flows from **TERMINAL 12** of the integration relay to **TERMINAL 3** to **GROUND**, sounding the light reminder buzzer.

SERVICE HINTS

INTEGRATION RELAY

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

3-GROUND : Always continuity

12-GROUND : Always approx. **12** volts

7-GROUND : Continuity with driver door open

D10, D11 DOOR COURTESY SW FRONT LH, RH

1-GROUND : Continuity with the driver door open

○ : PARTS LOCATION

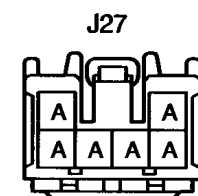
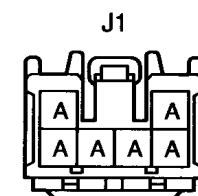
Code	See Page	Code	See Page	Code	See Page
D10	80 (LHD S/D)	D11	98 (RHD S/D)	J1	78 (LHD)
	82 (LHD L/B)		100 (RHD L/B)	J27	96 (RHD)
	84 (LHD W/G)		102 (RHD W/G)		

Q : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

 : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
IJ	132 (RHD)	Right Kick Panel
IK	132 (RHD)	



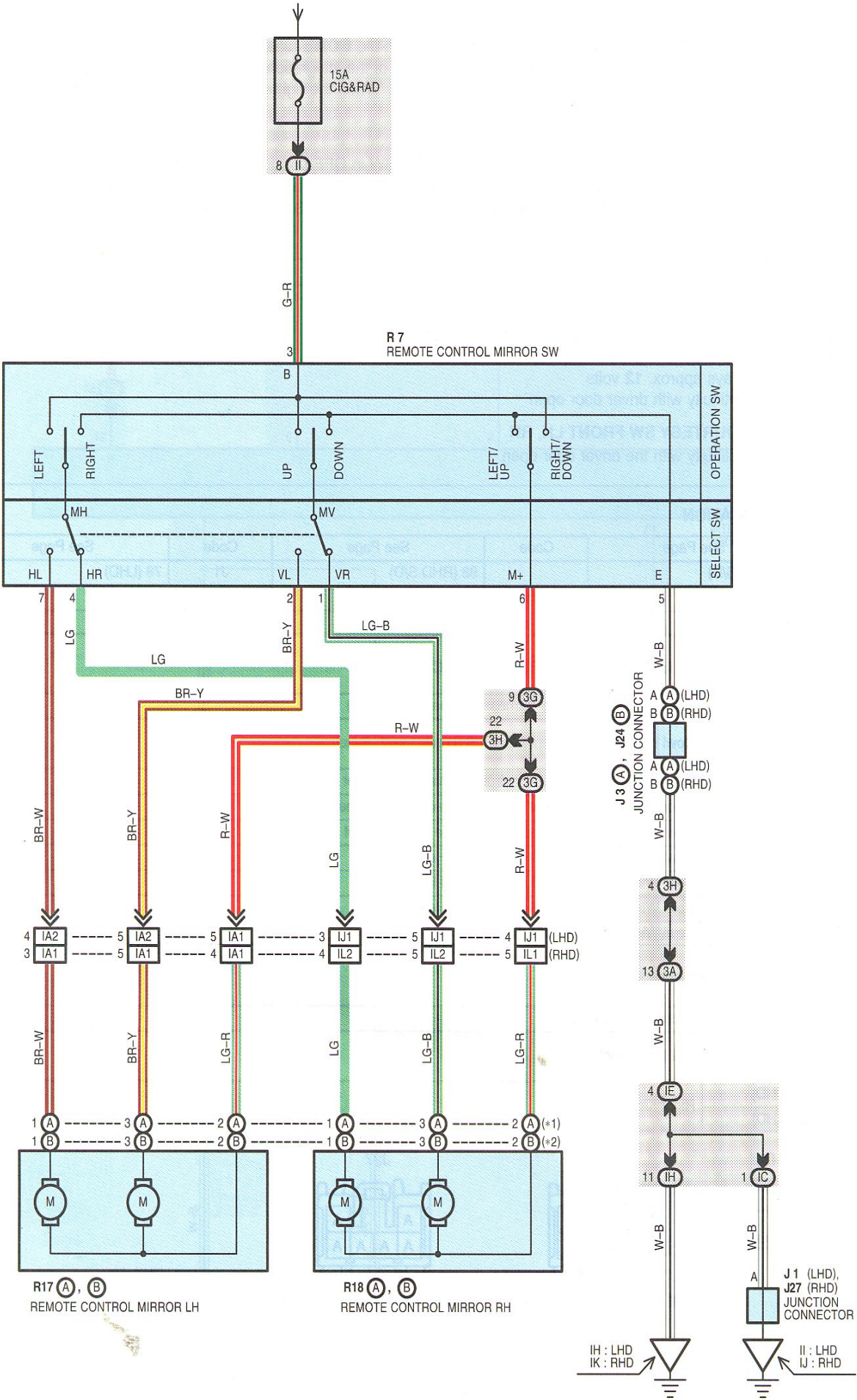
(Hint : See Page 7, 23, 39)

(Hint : See Page 7, 23, 39)

REMOTE CONTROL MIRROR

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

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

R7 REMOTE CONTROL MIRROR SW

- 3-6 : Continuity with the operation SW at **DOWN** or **RIGHT** position
- 6-5 : Continuity with the operation SW at **UP** or **LEFT** position
- 3-GROUND : Approx. 12 volts with the ignition SW at **ACC** or **ON** position
- 5-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J1	78 (LHD)	R17	A, B	80 (LHD S/D)	80 (LHD S/D)
J3 A	78 (LHD)			82 (LHD L/B)	82 (LHD L/B)
J24 B	96 (RHD)			84 (LHD W/G)	84 (LHD W/G)
J27	96 (RHD)			98 (RHD S/D)	98 (RHD S/D)
R7	78 (LHD)			100 (RHD L/B)	100 (RHD L/B)
	96 (RHD)	R18	A, B	102 (RHD W/G)	102 (RHD W/G)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

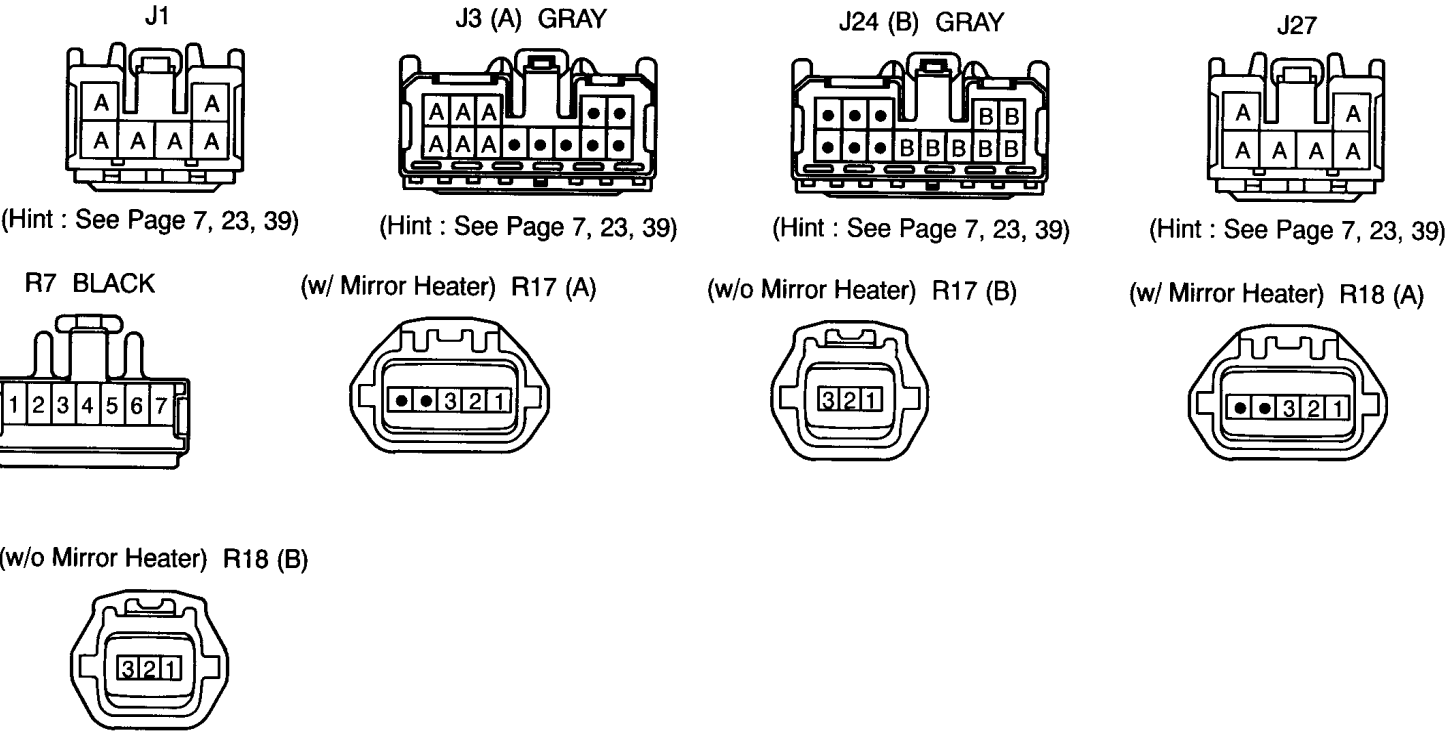
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	132 (RHD)	
IA2	114 (LHD)	
IJ1	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL1	134 (RHD)	
IL2		

▽ : GROUND POINTS

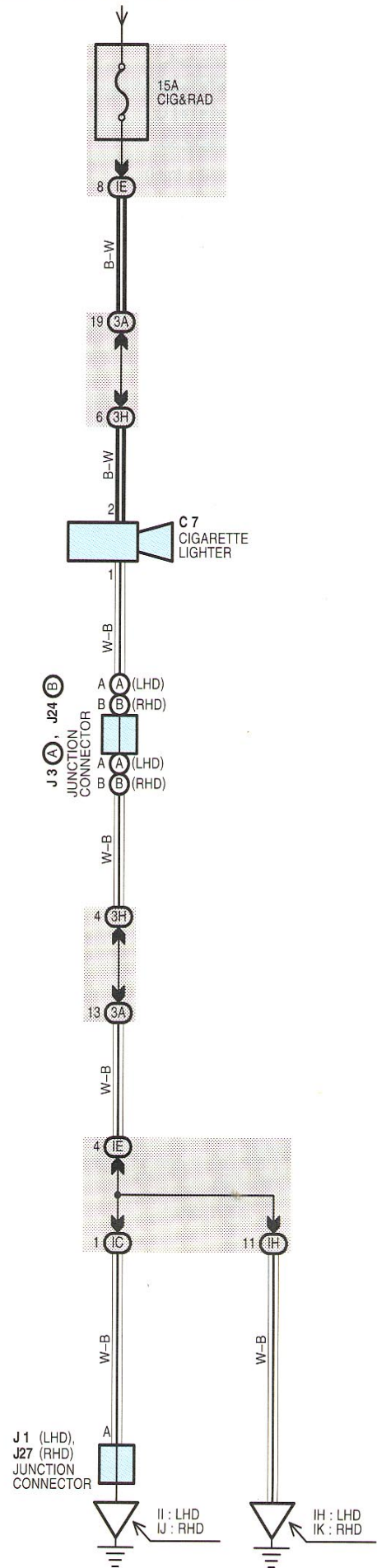
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

REMOTE CONTROL MIRROR



CIGARETTE LIGHTER

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

C7 CIGARETTE LIGHTER

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C7	76 (LHD)	J1	78 (LHD)	J24	B 96 (RHD)
	94 (RHD)	J3	A 78 (LHD)	J27	96 (RHD)

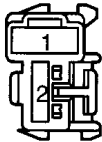
○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

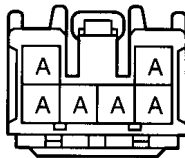
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

C7 BLACK

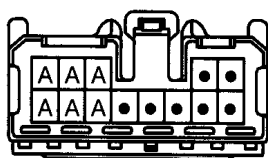


J1



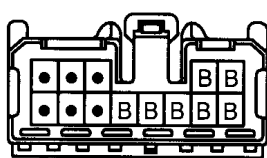
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



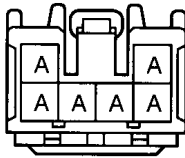
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



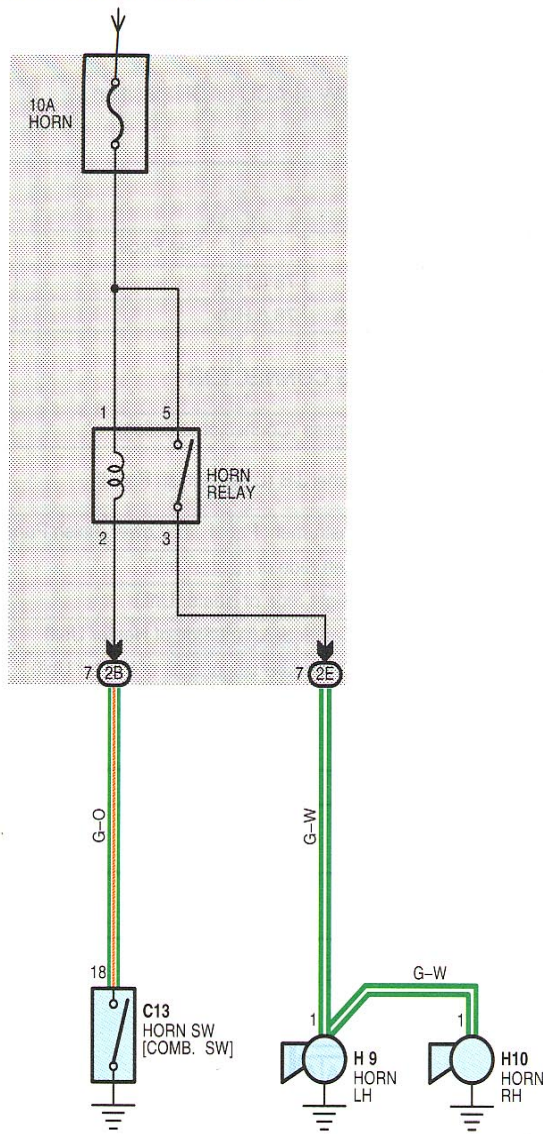
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

HORN RELAY

5-3 : Closed with the horn SW on.

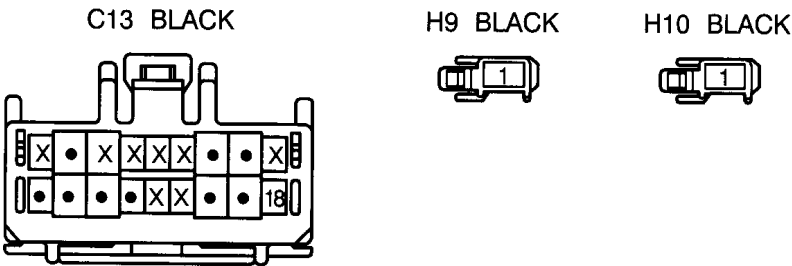
○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
C13	76 (LHD)	H9	86 (RHD 3S-FE)	H10	72 (LHD 2C-TE)
	94 (RHD)		88 (RHD *A)		74 (LHD 2C-T)
H9	66 (LHD 3S-FE)		90 (RHD *B)		86 (RHD 3S-FE)
	68 (LHD *A)		92 (RHD 2C-TE)		88 (RHD *A)
	70 (LHD *B)	H10	66 (LHD 3S-FE)		90 (RHD *B)
	72 (LHD 2C-TE)		68 (LHD *A)		92 (RHD 2C-TE)
	74 (LHD 2C-T)		70 (LHD *B)		

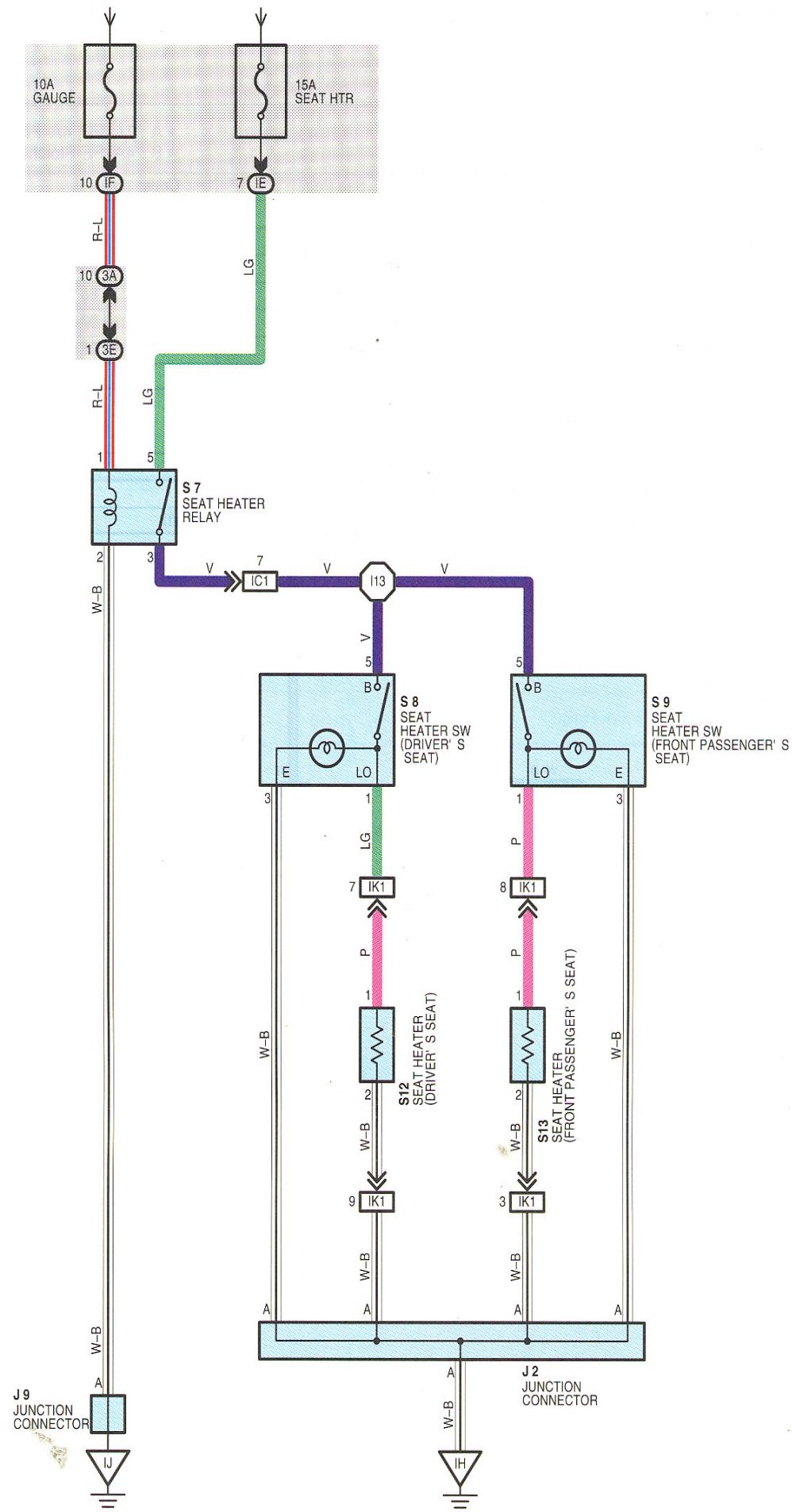
○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)



SEAT HEATER (LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

S8 SEAT HEATER SW (DRIVER'S SEAT)

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

3-GROUND: Always continuity

S9 SEAT HEATER SW (FRONT PASSENGER'S SEAT)

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

3-GROUND: Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J2	78 (LHD)	S9	78 (LHD)	S13	80 (LHD S/D)
J9	78 (LHD)	S12	80 (LHD S/D)		82 (LHD L/B)
S7	78 (LHD)		82 (LHD L/B)		84 (LHD W/G)
S8	78 (LHD)		84 (LHD W/G)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IF		
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3E	61 (LHD)	

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

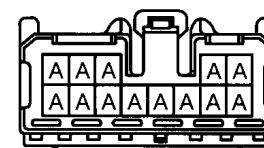
 : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
IJ	114 (LHD)	Right Kick Panel

 : SPLICE POINTS

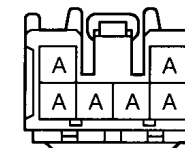
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I13	116 (LHD)	Instrument Panel Wire			

J2 ORANGE



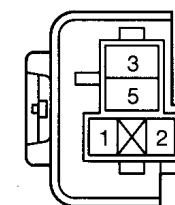
(Hint : See Page 7, 23, 39)

J9

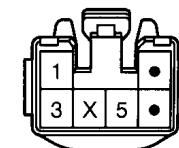


(Hint : See Page 7, 23, 39)

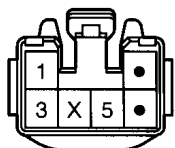
S7



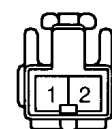
S8 BLUE



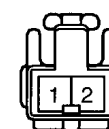
S9



S12 BLUE



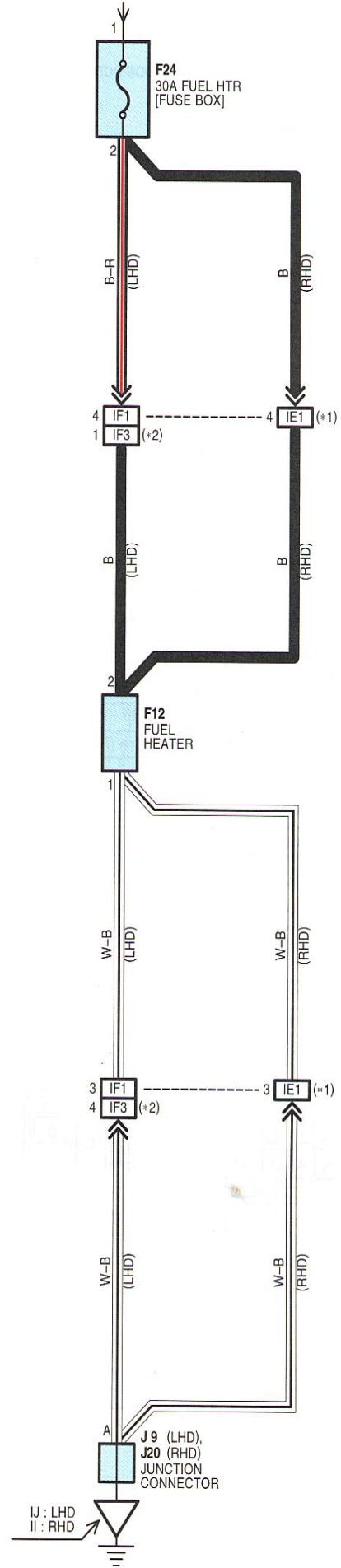
S13



FUEL HEATER

* 1 : 2C-TE
* 2 : 2C-T

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

F12 FUEL HEATER

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
F12	72 (LHD 2C-TE)	F24	78 (LHD)	J20	96 (RHD)
	74 (LHD 2C-T)		96 (RHD)		
	92 (RHD 2C-TE)		78 (LHD)		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	114 (LHD)	
IF3		

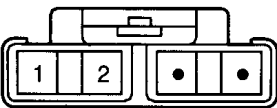
▽ : GROUND POINTS

Code	See Page	Ground Points Location
II	132 (RHD)	Left Kick Panel
IJ	114 (LHD)	Right Kick Panel

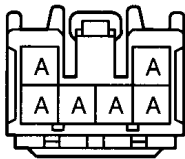
F12 GRAY



F24

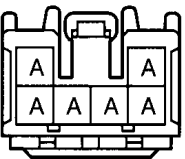


J9



(Hint : See Page 7, 23, 39)

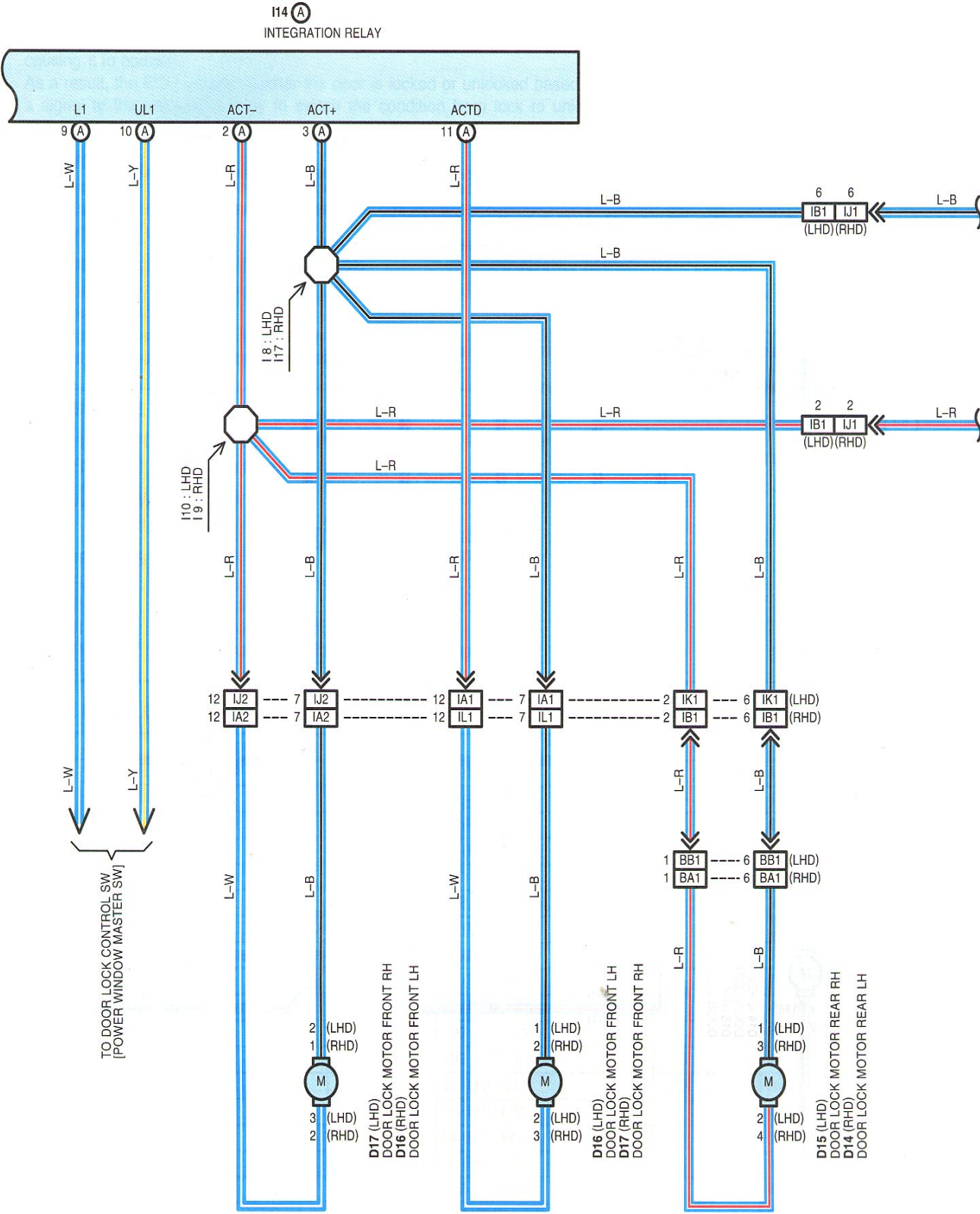
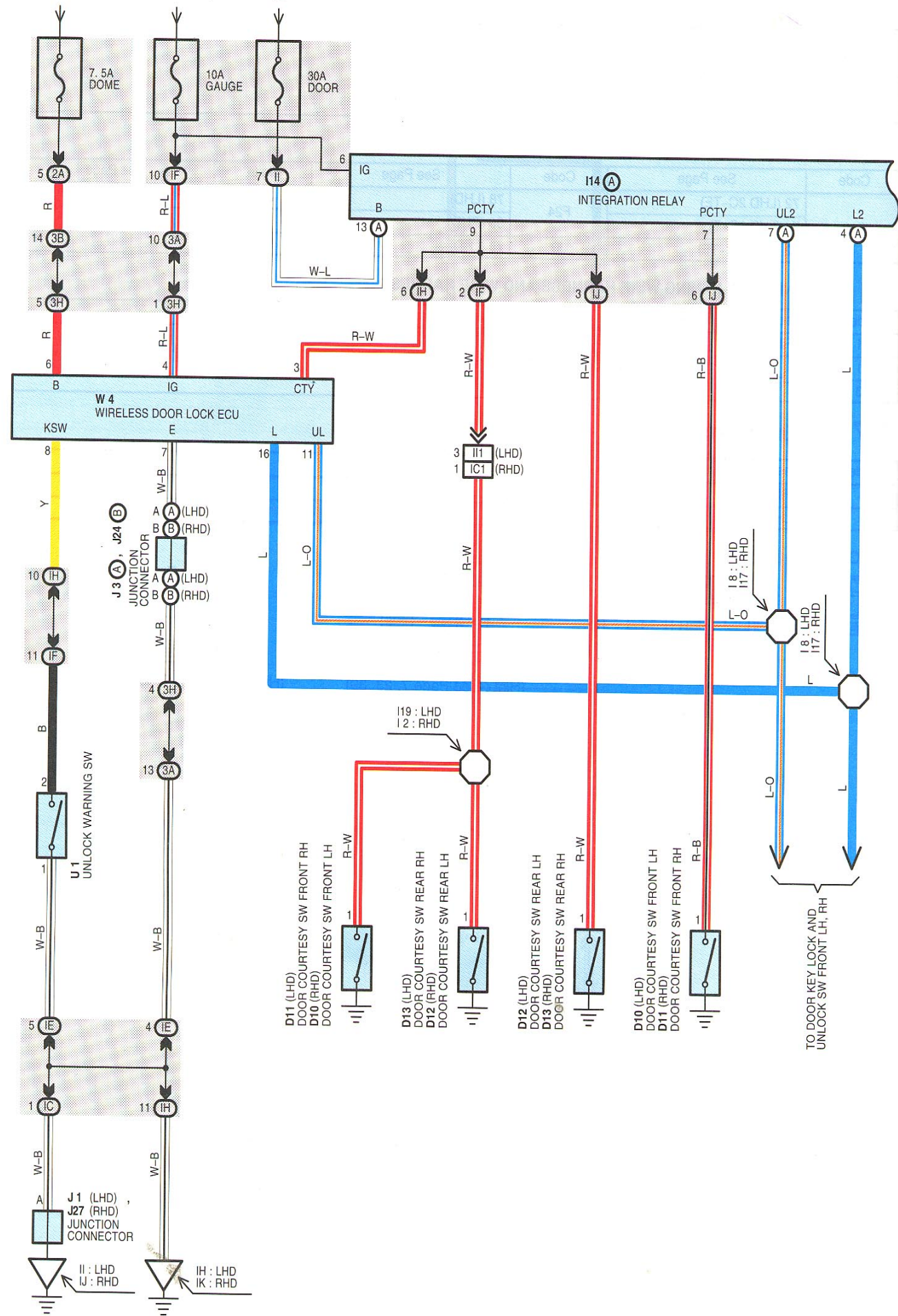
J20



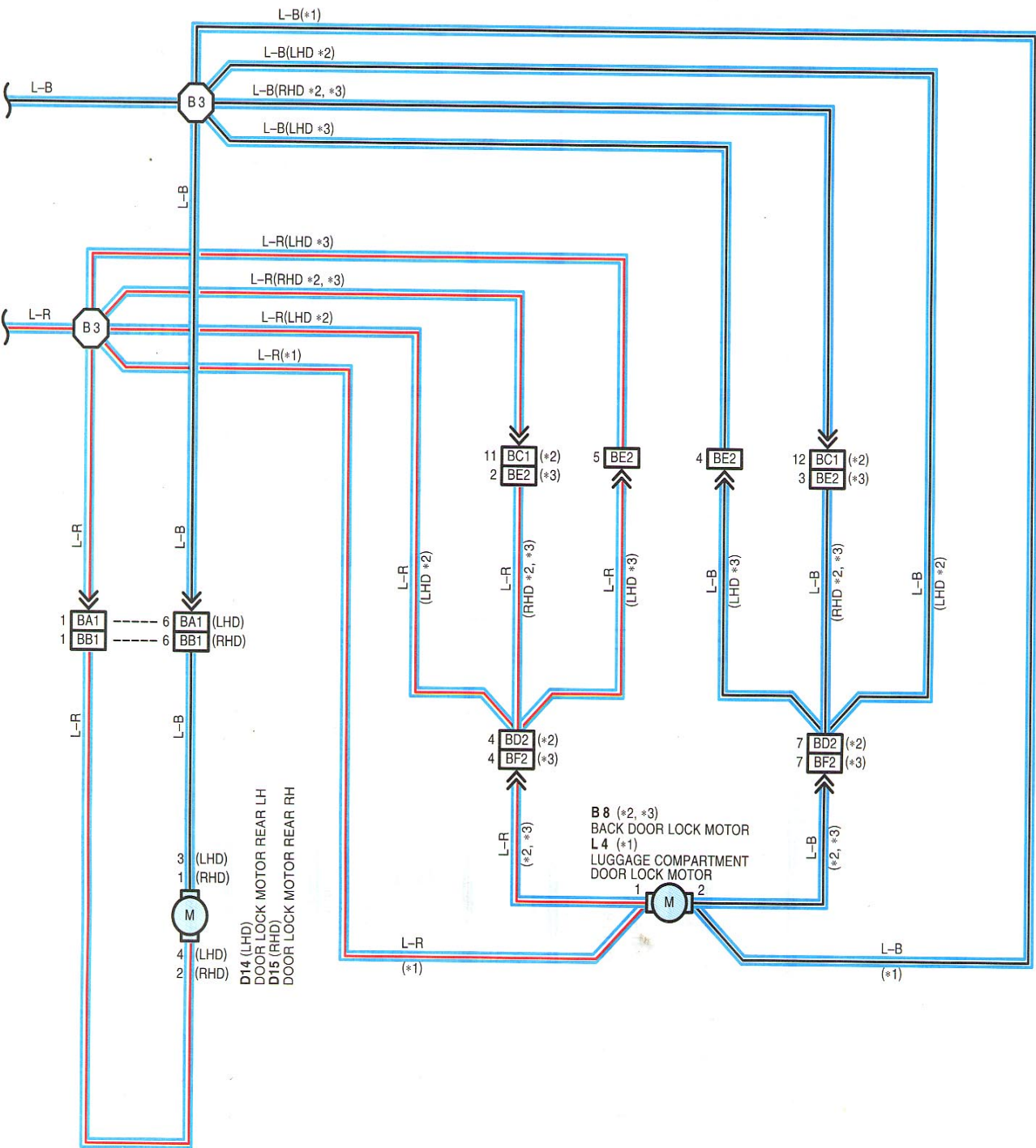
(Hint : See Page 7, 23, 39)

WIRELESS DOOR LOCK CONTROL

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



* 1 : S/D
* 2 : L/B
* 3 : W/G



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 button (Transmitter) is pushed, the wireless door lock ECU receives the electrical waves from the transmitter, causing it to operate.

As a result, the ECU judges whether the door is locked or unlocked based on the signal from the door lock motor, 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 wireless door lock ECU, stopping wireless door lock.

If the ignition key is in the ignition key cylinder (Unlock warning SW on), the unlock warning SW inputs a signal to the wireless door lock ECU, stopping wireless door lock.

SERVICE HINTS

D10, D11, D12, D13 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

W4 WIRELESS DOOR LOCK ECU

6-GROUND : Always approx. 12 volts

7-GROUND : Always continuity

3-GROUND : Continuity with each of the door open

8-GROUND : Continuity with the ignition key in the cylinder

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B8	82 (LHD L/B)	D13	80 (LHD S/D)	D16	100 (RHD L/B)
	84 (LHD W/G)		82 (LHD L/B)		102 (RHD W/G)
	100 (RHD L/B)		84 (LHD W/G)	D17	80 (LHD S/D)
	102 (RHD W/G)		98 (RHD S/D)		82 (LHD L/B)
D10	80 (LHD S/D)	D14	100 (RHD L/B)		84 (LHD W/G)
	82 (LHD L/B)		102 (RHD W/G)		98 (RHD S/D)
	84 (LHD W/G)		80 (LHD S/D)		100 (RHD L/B)
	98 (RHD S/D)		82 (LHD L/B)		102 (RHD W/G)
	100 (RHD L/B)		84 (LHD W/G)	I14	A
D11	102 (RHD W/G)	D15	98 (RHD S/D)	J1	78 (LHD)
	80 (LHD S/D)		100 (RHD L/B)		96 (RHD)
	82 (LHD L/B)		102 (RHD W/G)	J3	A
	84 (LHD W/G)		80 (LHD S/D)	J24	78 (LHD)
	98 (RHD S/D)		82 (LHD L/B)		96 (RHD)
D12	100 (RHD L/B)	D16	84 (LHD W/G)	J27	96 (RHD)
	102 (RHD W/G)		98 (RHD S/D)		80 (LHD S/D)
	80 (LHD S/D)		100 (RHD L/B)	L4	98 (RHD S/D)
	82 (LHD L/B)		102 (RHD W/G)		78 (LHD)
	84 (LHD W/G)		80 (LHD S/D)	U1	96 (RHD)
	98 (RHD S/D)		82 (LHD L/B)		78 (LHD)
	100 (RHD L/B)		84 (LHD W/G)	W4	96 (RHD)
	102 (RHD W/G)		98 (RHD S/D)		

WIRELESS DOOR LOCK CONTROL

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	132 (RHD)	
IB1	114 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	132 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
IJ1	134 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)
IL1	134 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BA1	118 (LHD S/D)	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
	138 (RHD L/B)	
BB1	140 (RHD W/G)	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
	118 (LHD S/D)	
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC1	138 (RHD L/B)	
	140 (RHD W/G)	Floor Wire and Floor Wire Under the (Right Quarter Pillar)
BD2	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
	138 (RHD L/B)	
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF2	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	

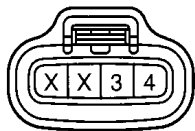
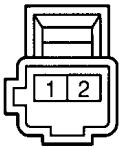
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

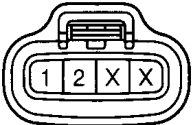
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	134 (RHD)	Floor No.2 Wire	B3	118 (LHD S/D)	Floor Wire
I8	116 (LHD)	Instrument Panel Wire		120 (LHD L/B)	
I9	134 (RHD)			122 (LHD W/G)	
I10	116 (LHD)	Cowl Wire		136 (RHD S/D)	
I17	134 (RHD)	Instrument Panel Wire		138 (RHD L/B)	
I19	116 (LHD)	Floor No.2 Wire		140 (RHD W/G)	
	134 (RHD)	Cowl Wire			

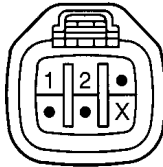
(L/B, W/G) B8 BLACK: D10 D11 D12 D13 D14 BLACK



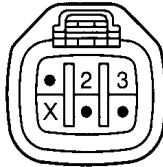
D15 BLACK



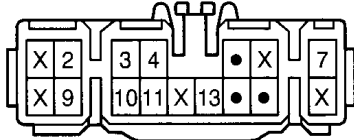
D16 BLACK



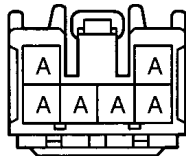
D17 BLACK



I14 (A) ORANGE

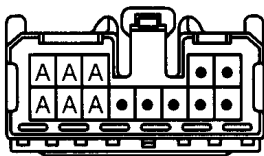


J1



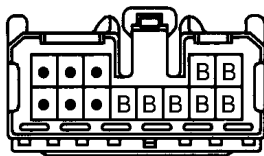
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



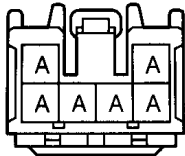
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



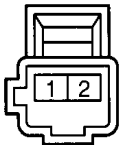
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

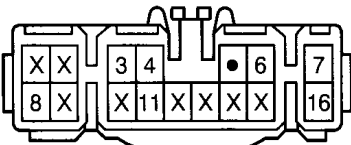
(S/D) L4



U1 BLACK

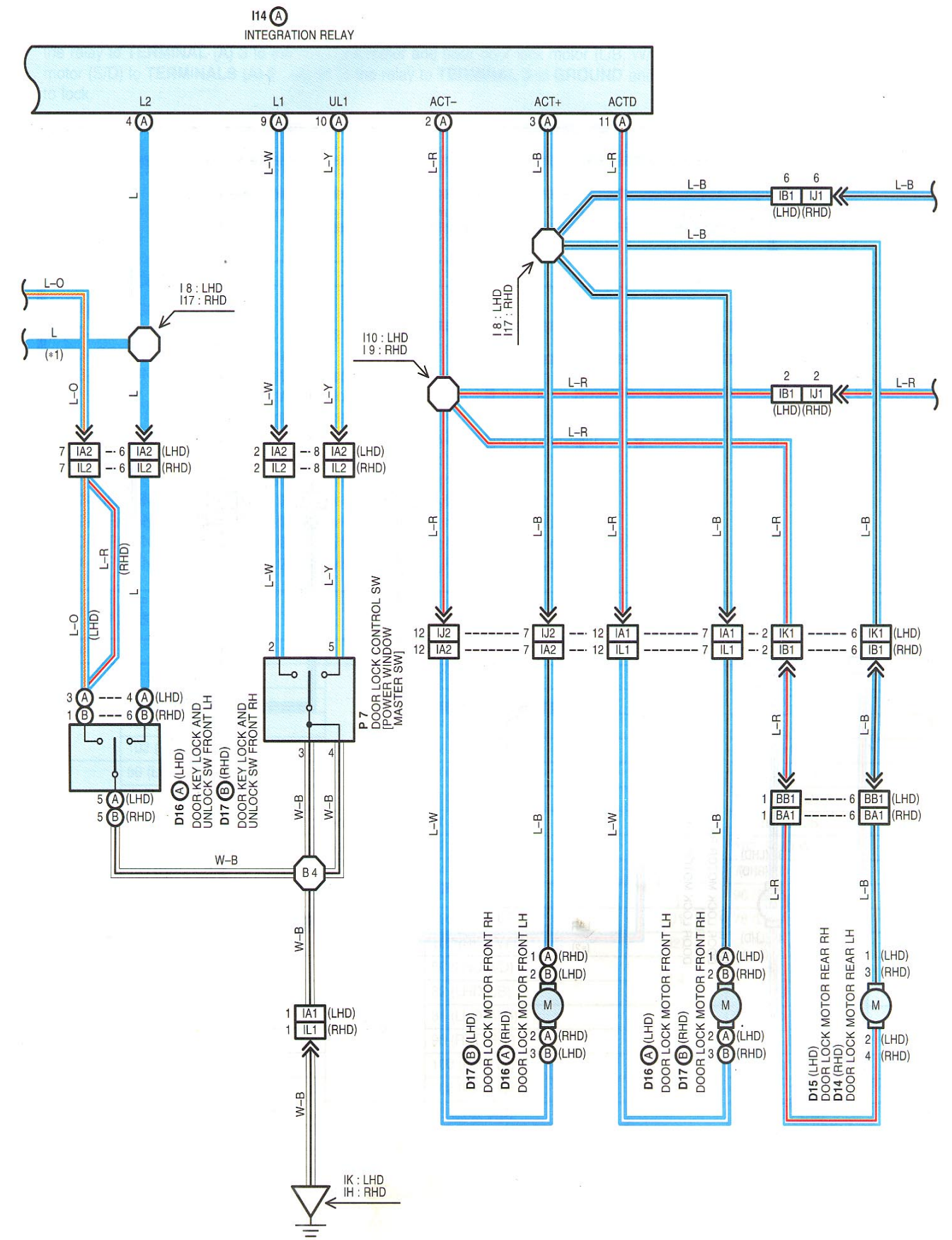
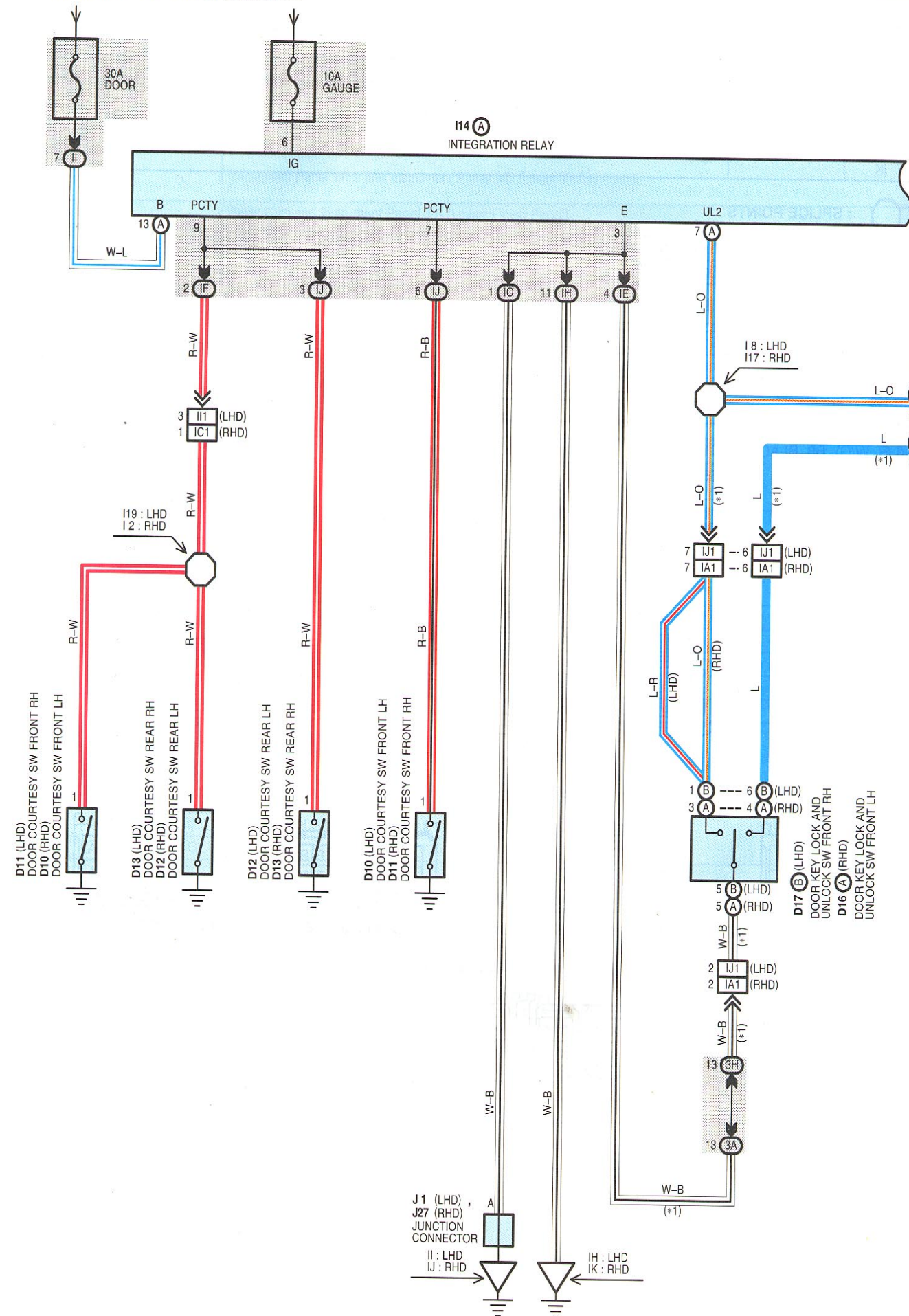


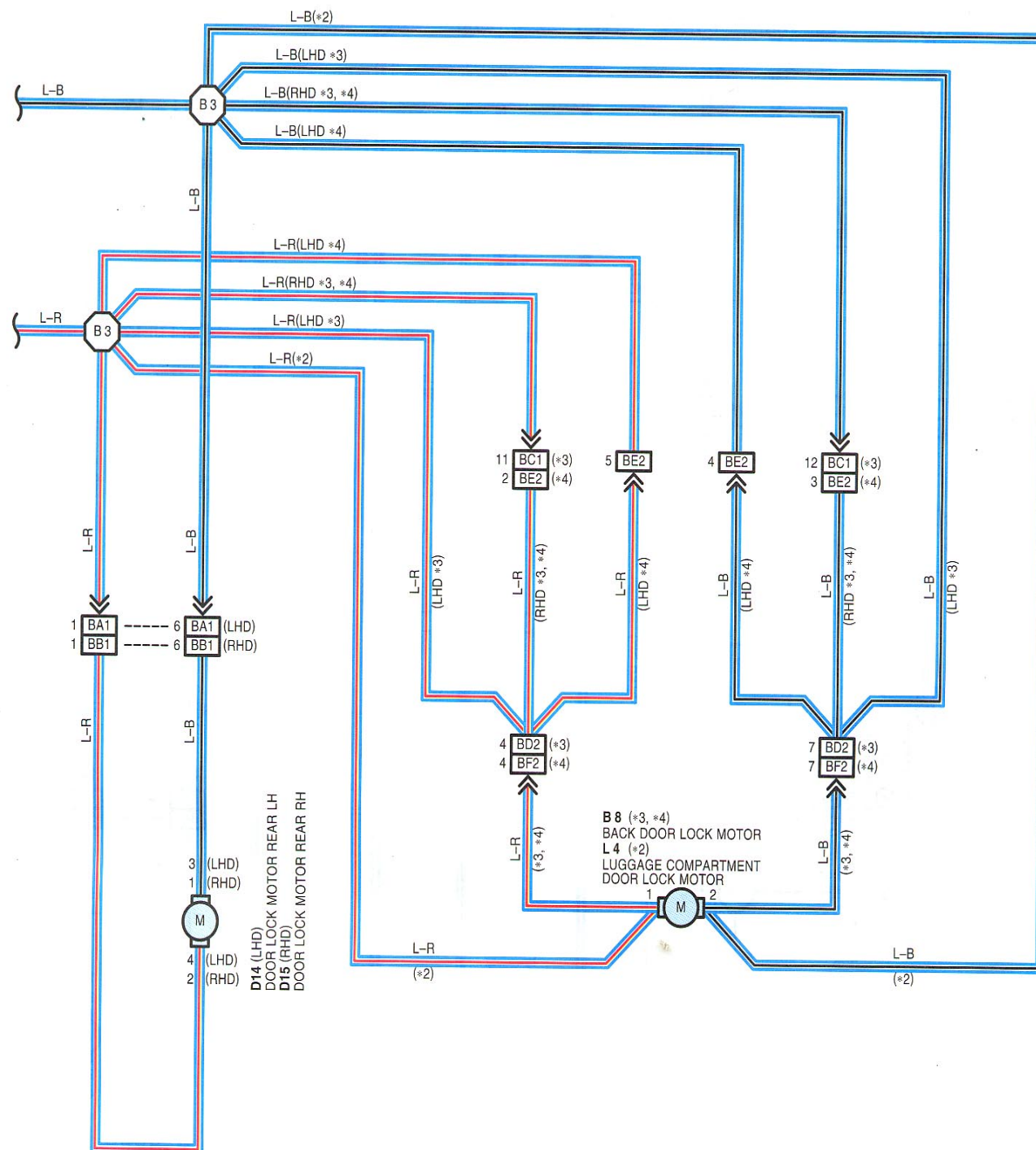
W4



DOOR LOCK CONTROL

FROM POWER SOURCE SYSTEM (SEE PAGE 158)





SYSTEM OUTLINE

Current always flows to **TERMINAL (A) 13** of the integration relay through the **DOOR** fuse.

When the ignition SW turned on, current flows through the **GAUGE** fuse to **TERMINAL 6** of the integration relay.

1. MANUAL LOCK OPERATION

To change the door lock control SW or door key lock and unlock SW to the **LOCK** position, a lock signal is input to **TERMINAL (A) 4** or **(A) 9** of the integration relay and causes the relay function. Current flows from the **TERMINAL (A) 13** of the relay to **TERMINAL (A) 3** to the door lock motor and back door lock motor (L/B, W/G) or luggage compartment door lock motor (S/D) to **TERMINALS (A) 2 , (A) 11** of the relay to **TERMINAL 3** 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 to the **UNLOCK** position, a unlock signal is input to **TERMINALS (A) 7** or **(A) 10** of the integration relay and causes the relay function.

Current flows from the **TERMINAL (A) 13** of the relay to **TERMINALS (A) 2, (A) 11** to door lock motor and back door lock motor (L/B, W/G) or luggage compartment door lock motor (S/D) to **TERMINAL (A) 3** of the relay to **TERMINAL 3** to **GROUND** and the door lock motor causes the door to lock.

SERVICE HINTS

I14 (A) INTEGRATION RELAY

(A) 13-GROUND : Always approx. **12 volts**

3-GROUND : Always continuity

(A) 3-GROUND : Approx. **12 volts 0.2 seconds** with following operation

Door lock control SW locked

Door lock cylinder locked with key

(A) 2, (A) 11-GROUND : Approx. **12** volts **0.2** seconds with following operation

Door lock control SW unlocked

Door lock cylinder unlocked with key

(A) 7-GROUND : Approx. **12 to 0** volts with door lock cylinder unlocked with key

(A) 9-GROUND : Approx. **12 to 0** volts with door lock control SW locked

(A)10-GROUND : Approx. **12 to 0** volts with door lock control SW unlocked

(A) 4-GROUND : Approx. **12 to 0** volts with door lock cylinder locked with key

○ : PARTS LOCATION

Code		See Page		Code		See Page			
B8	82 (LHD L/B)	D13	80 (LHD S/D)	D16	A	100 (RHD L/B)			
	84 (LHD W/G)		82 (LHD L/B)			102 (RHD W/G)			
	100 (RHD L/B)		84 (LHD W/G)	D17	B	80 (LHD S/D)			
	102 (RHD W/G)		98 (RHD S/D)			82 (LHD L/B)			
D10	80 (LHD S/D)	100 (RHD L/B)	D14			80 (LHD S/D)	82 (LHD L/B)	84 (LHD W/G)	
	82 (LHD L/B)	102 (RHD W/G)						98 (RHD S/D)	
	84 (LHD W/G)	80 (LHD S/D)		100 (RHD L/B)					
	98 (RHD S/D)	82 (LHD L/B)		102 (RHD W/G)					
	100 (RHD L/B)	84 (LHD W/G)	I14	A	78 (LHD)				
	102 (RHD W/G)	98 (RHD S/D)			96 (RHD)				
D11	80 (LHD S/D)	100 (RHD L/B)	J1		78 (LHD)				
	82 (LHD L/B)	102 (RHD W/G)	J27		96 (RHD)				
	84 (LHD W/G)	D15	80 (LHD S/D)	L4	80 (LHD S/D)				
	98 (RHD S/D)				82 (LHD L/B)	98 (RHD S/D)			
	100 (RHD L/B)		84 (LHD W/G)	P7	80 (LHD S/D)				
	102 (RHD W/G)		98 (RHD S/D)		82 (LHD L/B)				
D12	80 (LHD S/D)	100 (RHD L/B)	P7	84 (LHD W/G)	80 (LHD S/D)				
	82 (LHD L/B)	102 (RHD W/G)			82 (LHD L/B)				
	84 (LHD W/G)	D16	A	80 (LHD S/D)	82 (LHD L/B)	84 (LHD W/G)			
	98 (RHD S/D)					84 (LHD W/G)	98 (RHD S/D)		
	100 (RHD L/B)					98 (RHD S/D)	100 (RHD L/B)		
	102 (RHD W/G)					98 (RHD S/D)	102 (RHD W/G)		

DOOR LOCK CONTROL

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

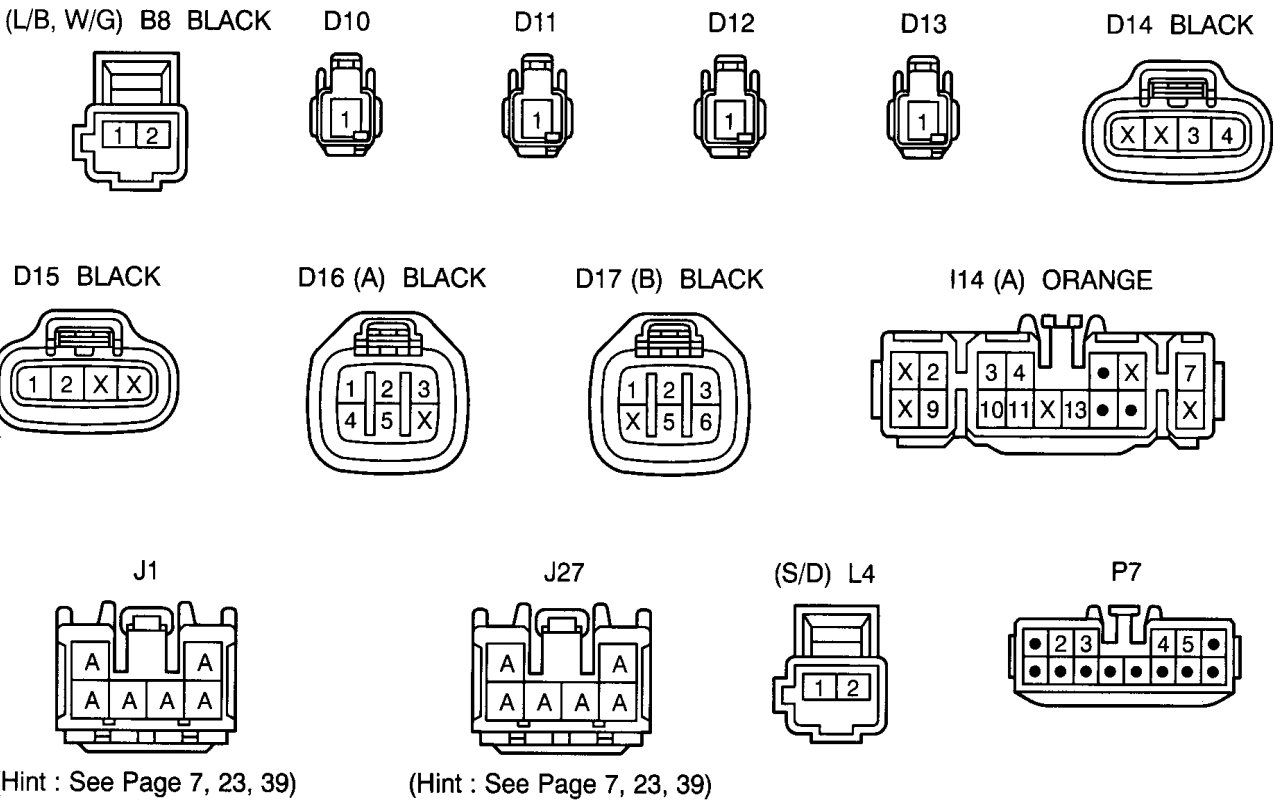
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	132 (RHD)	
IA2	114 (LHD)	
	132 (RHD)	
IB1	114 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	132 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
IJ1	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	134 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IL1	134 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	134 (RHD)	
BA1	118 (LHD S/D)	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	138 (RHD L/B)	
	140 (RHD W/G)	
	118 (LHD S/D)	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
	120 (LHD L/B)	
	122 (LHD W/G)	
BC1	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	
	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Quarter Pillar)
BD2	120 (LHD L/B)	
	138 (RHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Quarter Panel)
BF2	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
	140 (RHD W/G)	

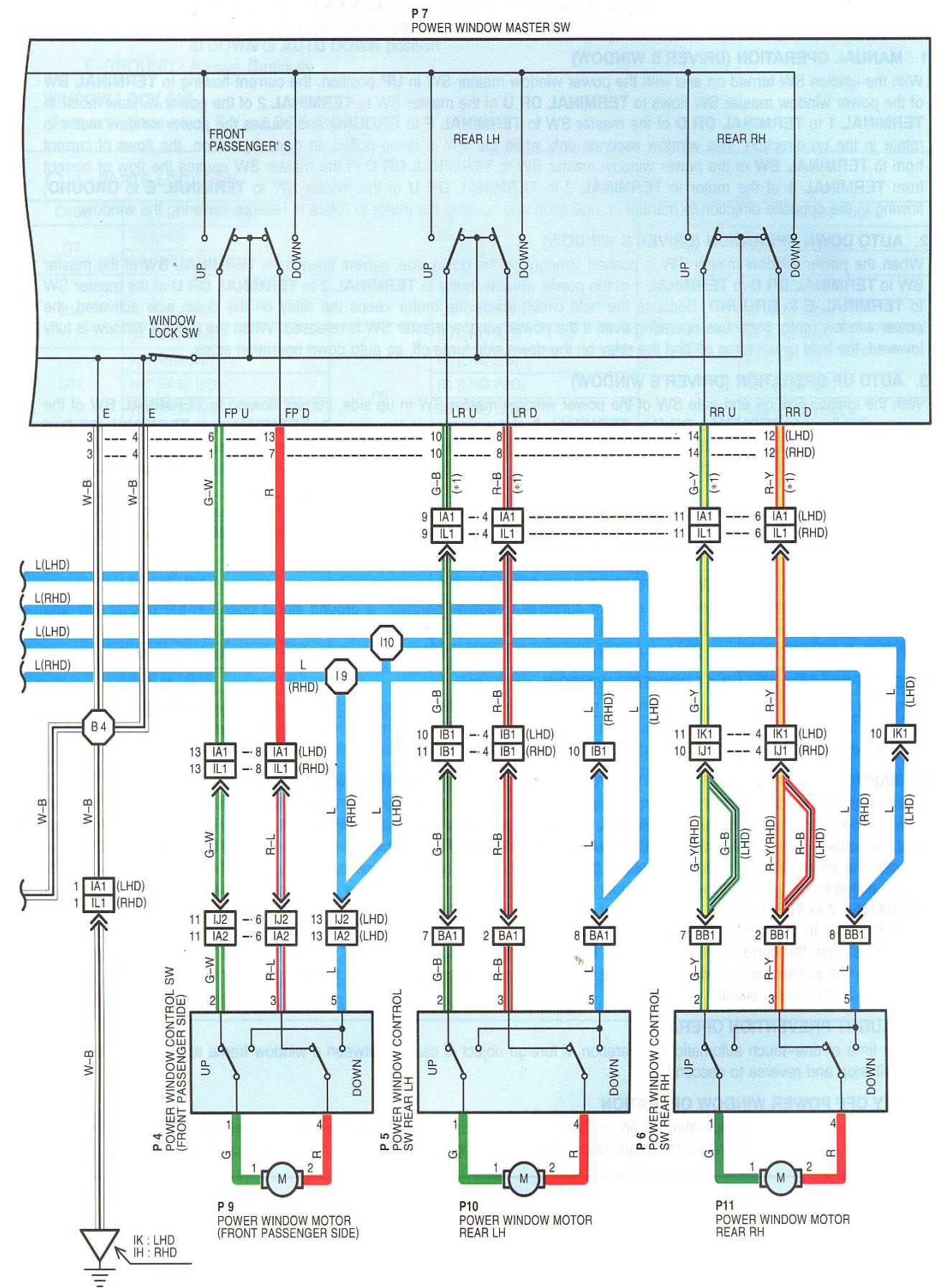
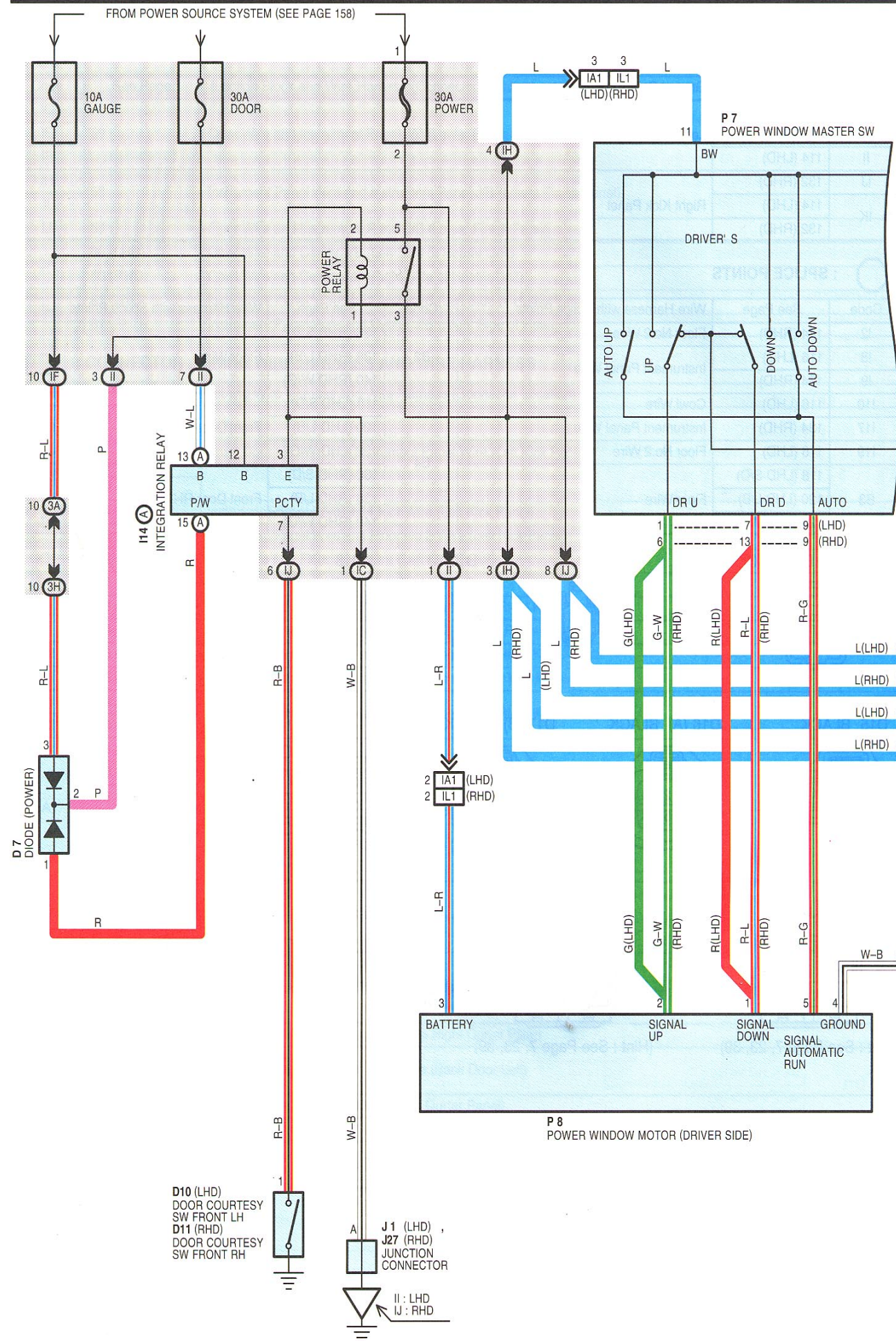
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
	132 (RHD)	
II	114 (LHD)	Right Kick Panel
IJ	132 (RHD)	
IK	114 (LHD)	
	132 (RHD)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	134 (RHD)	Floor No.2 Wire	B3	136 (RHD S/D)	Floor Wire
I8	116 (LHD)	Instrument Panel Wire		138 (RHD L/B)	
I9	134 (RHD)			140 (RHD W/G)	
I10	116 (LHD)	Cowl Wire	B4	118 (LHD S/D)	Front Door LH Wire
I17	134 (RHD)	Instrument Panel Wire		120 (LHD L/B)	
I19	116 (LHD)	Floor No.2 Wire		122 (LHD W/G)	
B3	118 (LHD S/D)	Floor Wire		136 (RHD S/D)	Front Door RH Wire
	120 (LHD L/B)			138 (RHD L/B)	
	122 (LHD W/G)			140 (RHD W/G)	





POWER WINDOW

SYSTEM OUTLINE

When the ignition SW turned on, current flows through the **GAUGE** fuse to **TERMINAL 12** of the integration relay and **TERMINAL 3** of the diode (power) to **TERMINAL 2** to **TERMINAL 1** of the power 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 BW** of the power window master SW, **TERMINAL 5** 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 in **UP** position, the current flowing to **TERMINAL BW** of the power window master SW flows to **TERMINAL DR U** of the master SW to **TERMINAL 2** of the power window motor to **TERMINAL 1** to **TERMINAL DR D** of the master SW to **TERMINAL E** to **GROUND** and causes the power window motor to rotate in the up direction. The window ascends only while the SW is being pulled. In down operation, the flows of current from to **TERMINAL BW** of the power window master SW to **TERMINAL DR D** of the master SW causes the flow of current from **TERMINAL 1** of the motor to **TERMINAL 2** to **TERMINAL DR U** of the master SW to **TERMINAL E** 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 power window master SW is pushed strongly on the down side, current flows from **TERMINAL BW** of the master SW to **TERMINAL DR D** to **TERMINAL 1** of the power window motor to **TERMINAL 2** to **TERMINAL DR U** of the master SW to **TERMINAL E** to **GROUND**. Because the hold circuit inside the motor 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 (DRIVER'S WINDOW)

With the ignition SW on and auto SW of the power window master SW in up side, current flowing to **TERMINAL BW** of the master SW flows to **TERMINAL DR U** to **TERMINAL 2** of the power window motor to **TERMINAL 1** to **TERMINAL DR D** of the master SW to **TERMINAL E** to **GROUND**, causing the power window motor to rotate towards the up side. Then the hold circuit in the motor 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 DR D** of the master SW and **TERMINAL E** increases. As a result, the hold circuit stops operating, the auto SW turns off and flow from **TERMINAL BW** of the master SW to **TERMINAL DR U** is cut off, stopping the motor so that auto stop occurs.

4. STOPPING OF AUTO DOWN AT DRIVER'S WINDOW

When the master SW 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 DR U** of the master SW to **TERMINAL E**, 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 is pushed to down side during auto up operation, a ground circuit opens in the master SW and current does not flow from **TERMINAL DR D** of the master SW to **TERMINAL E**, 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 PASSENGER WINDOW)

With the power window control SW (Front passenger side) pulled to the up side, current flowing from **TERMINAL 5** of the power window control SW flows to **TERMINAL 1** to **TERMINAL 2** of the power window motor to **TERMINAL 1** to **TERMINAL 4** of the power window control SW to **TERMINAL 3** to **TERMINAL FP D** of the master SW to **TERMINAL E** to **GROUND** and causes the power window motor 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 E** 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.

8. KEY OFF POWER WINDOW OPERATION

The power window can be operated for approximately **45** seconds, when the ignition SW is turned from ON to OFF with all doors closed. However, when the driver side door is opened during this time, the operation is canceled.

SERVICE HINTS

P7 POWER WINDOW MASTER SW

- BW-GROUND : Approx. **12** volts with the ignition SW at **ON** position
- DR U-GROUND : Approx. **12** volts with the ignition SW on and master SW at **UP** or **AUTO UP** posotion
- DR D-GROUND : Approx. **12** volts with the ignition SW on and master SW at **DOWN** or **AUTO DOWN** position
- E-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
D7		76 (LHD)	P5	84 (LHD W/G)	P8	100 (RHD L/B)
		94 (RHD)		98 (RHD S/D)		102 (RHD W/G)
D10		80 (LHD S/D)		P9	80 (LHD S/D)	
		82 (LHD L/B)			82 (LHD L/B)	
		84 (LHD W/G)			84 (LHD W/G)	
D11		98 (RHD S/D)	P6		98 (RHD S/D)	
		100 (RHD L/B)			100 (RHD L/B)	
		102 (RHD W/G)			102 (RHD W/G)	
I14	A	78 (LHD)			P10	80 (LHD S/D)
		96 (RHD)	82 (LHD L/B)			
J1	78 (LHD)	P7	84 (LHD W/G)			
J27	96 (RHD)		98 (RHD S/D)			
P4			80 (LHD S/D)	P11		80 (LHD S/D)
			82 (LHD L/B)			82 (LHD L/B)
			84 (LHD W/G)		84 (LHD W/G)	
			98 (RHD S/D)		98 (RHD S/D)	
		100 (RHD L/B)	100 (RHD L/B)			
102 (RHD W/G)	102 (RHD W/G)					
P5		80 (LHD S/D)	P8	80 (LHD S/D)		
		82 (LHD L/B)		82 (LHD L/B)		
		84 (LHD W/G)		84 (LHD W/G)		
		98 (RHD S/D)	98 (RHD S/D)			

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	132 (RHD)	
IB1	114 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	132 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IJ1	134 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IL1	134 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BA1	118 (LHD S/D)	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
	138 (RHD L/B)	
BB1	140 (RHD W/G)	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
	118 (LHD S/D)	
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	
	138 (RHD L/B)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	140 (RHD W/G)	

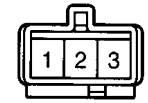
 : GROUND POINTS

Code	See Page	Ground Points Location
IH	132 (RHD)	Left Kick Panel
II	114 (LHD)	
IJ	132 (RHD)	Right Kick Panel
IK	114 (LHD)	

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I9	134 (RHD)	Instrument Panel Wire	B4	122 (LHD W/G)	Front Door LH Wire
I10	116 (LHD)	Cowl Wire		136 (RHD S/D)	Front Door RH Wire
B4	118 (LHD S/D)	Front Door LH Wire		138 (RHD L/B)	
	120 (LHD L/B)			140 (RHD W/G)	

D7 ORANGE



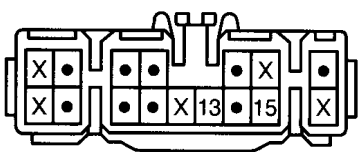
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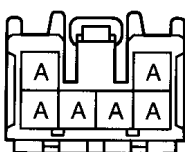
D11



I14 (A) ORANGE

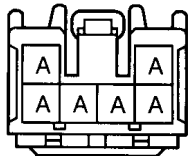


J1



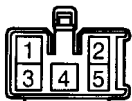
(Hint : See Page 7, 23, 39)

J27

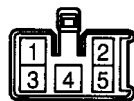


(Hint : See Page 7, 23, 39)

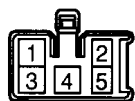
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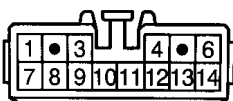
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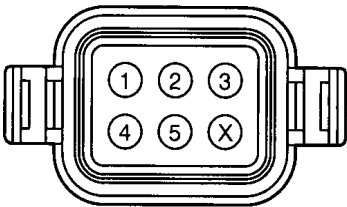
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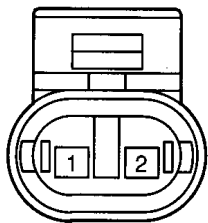
P7



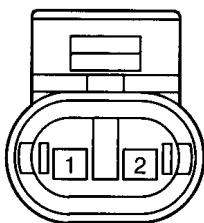
P8 GRAY



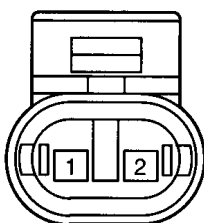
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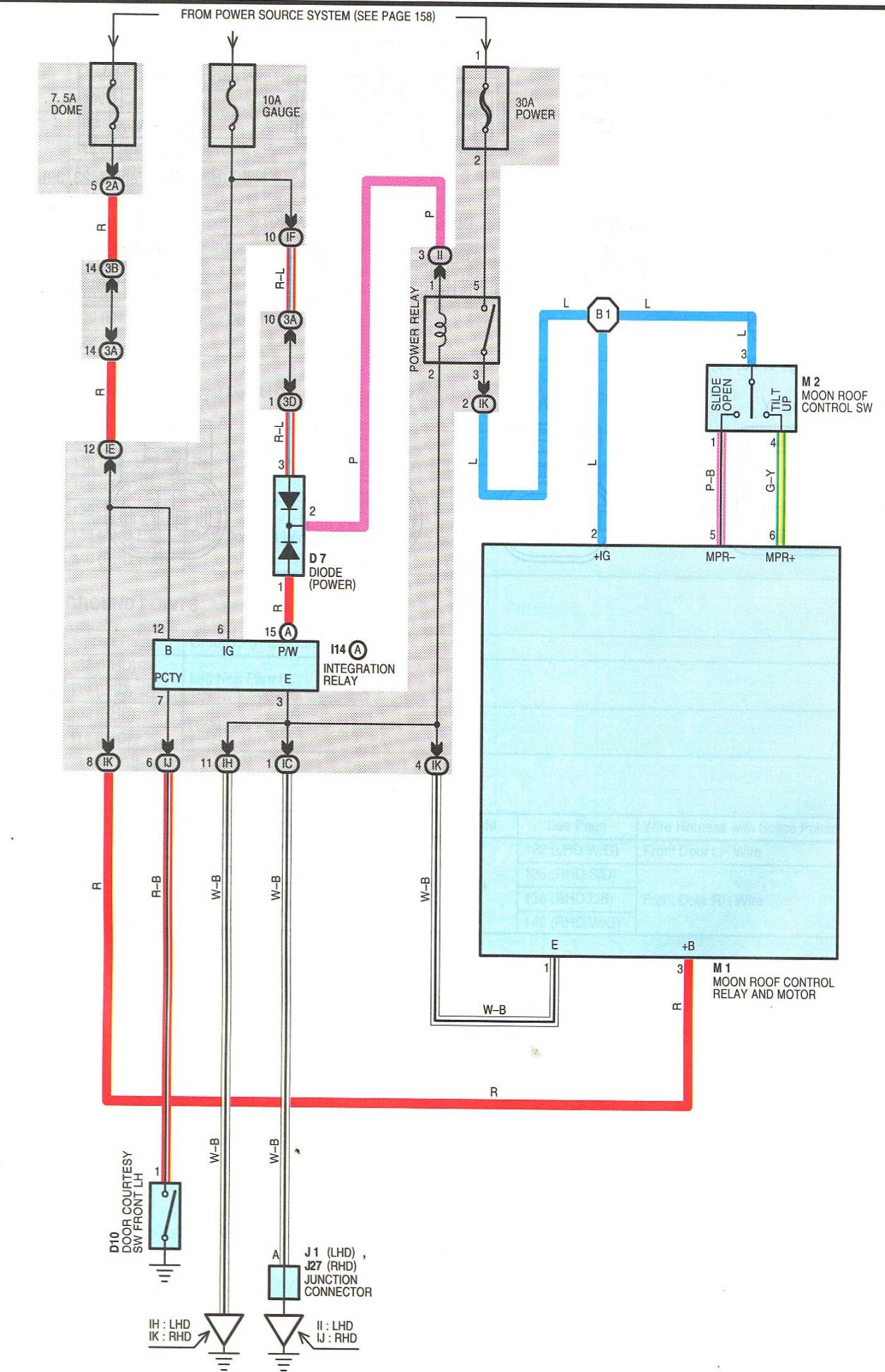
P10 BLACK



P11 BLACK



MOON ROOF



SERVICE HINTS

M1 MOON ROOF CONTROL RELAY AND MOTOR

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

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
D7	76 (LHD)	I14	A	78 (LHD)	M1	100 (RHD L/B)
	94 (RHD)			96 (RHD)		102 (RHD W/G)
D10	80 (LHD S/D)	J1		78 (LHD)	M2	80 (LHD S/D)
	82 (LHD L/B)	J27		96 (RHD)		82 (LHD L/B)
	84 (LHD W/G)	M1	80 (LHD S/D)	84 (LHD W/G)		
	98 (RHD S/D)		82 (LHD L/B)	98 (RHD S/D)		
	100 (RHD L/B)		84 (LHD W/G)	100 (RHD L/B)		
	102 (RHD W/G)		98 (RHD S/D)	102 (RHD W/G)		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
II		
IJ	59	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
IK	59	Roof Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

▽ : GROUND POINTS

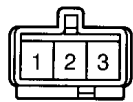
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	118 (LHD S/D)	Roof Wire	B1	136 (RHD S/D)	Roof Wire
	120 (LHD L/B)			138 (RHD L/B)	
	122 (LHD W/G)			140 (RHD W/G)	

MOON ROOF

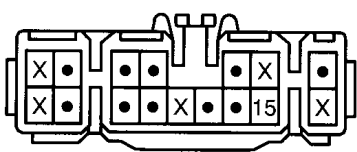
D7 ORANGE



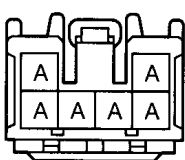
D10



I14 (A) ORANGE

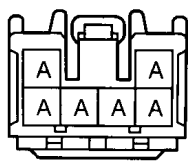


J1



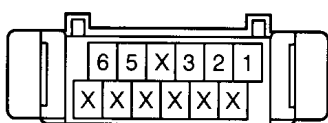
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

M1 BLACK



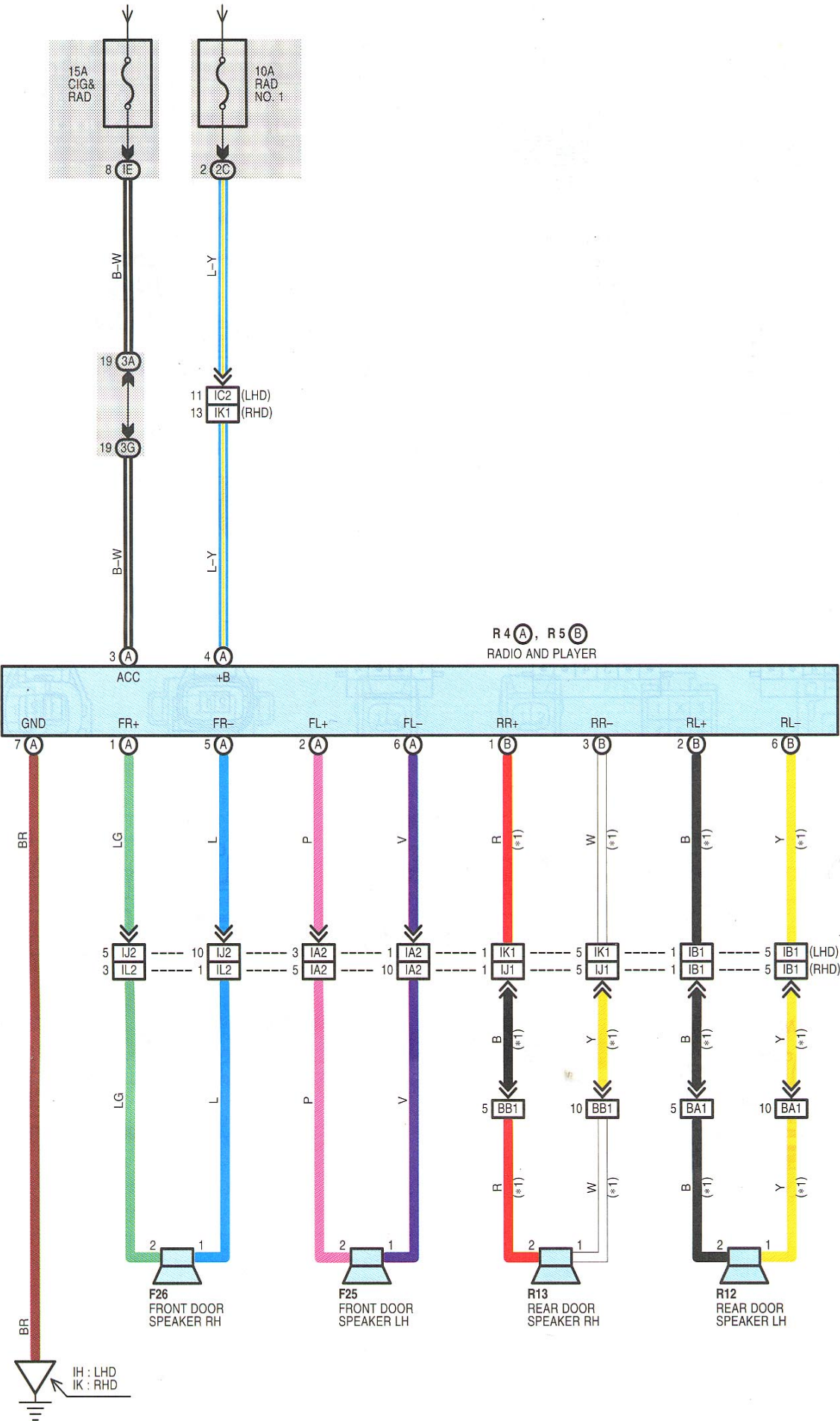
M2



RADIO AND PLAYER

* 1 : W/ 4 SPEAKER

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



SERVICE HINTS

R4 (A) RADIO AND PLAYER

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

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page	
F25	80 (LHD S/D)	F26		100 (RHD L/B)	R12	100 (RHD L/B)	
	82 (LHD L/B)			102 (RHD W/G)		102 (RHD W/G)	
	84 (LHD W/G)	R4	A	78 (LHD)	R13	80 (LHD S/D)	
	98 (RHD S/D)			96 (RHD)		82 (LHD L/B)	
	100 (RHD L/B)	R5	B	78 (LHD)		84 (LHD W/G)	
	102 (RHD W/G)			96 (RHD)		98 (RHD S/D)	
F26	80 (LHD S/D)	R12		80 (LHD S/D)			100 (RHD L/B)
	82 (LHD L/B)			82 (LHD L/B)			102 (RHD W/G)
	84 (LHD W/G)			84 (LHD W/G)			
	98 (RHD S/D)			98 (RHD S/D)			

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

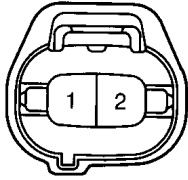
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	132 (RHD)	
IB1	114 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	132 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IJ1	134 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)
IL2	134 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BA1	118 (LHD S/D)	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	
	138 (RHD L/B)	
BB1	140 (RHD W/G)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
	118 (LHD S/D)	
	120 (LHD L/B)	
	122 (LHD W/G)	
	136 (RHD S/D)	
BB1	138 (RHD L/B)	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
	140 (RHD W/G)	

RADIO AND PLAYER

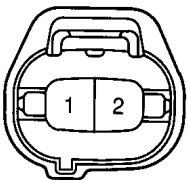
 : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
IK	132 (RHD)	Right Kick Panel

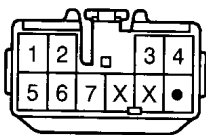
F25 BLACK



F26 BLACK



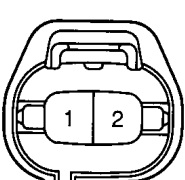
R4 (A)



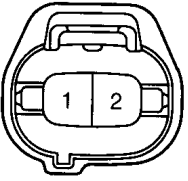
R5 (B)



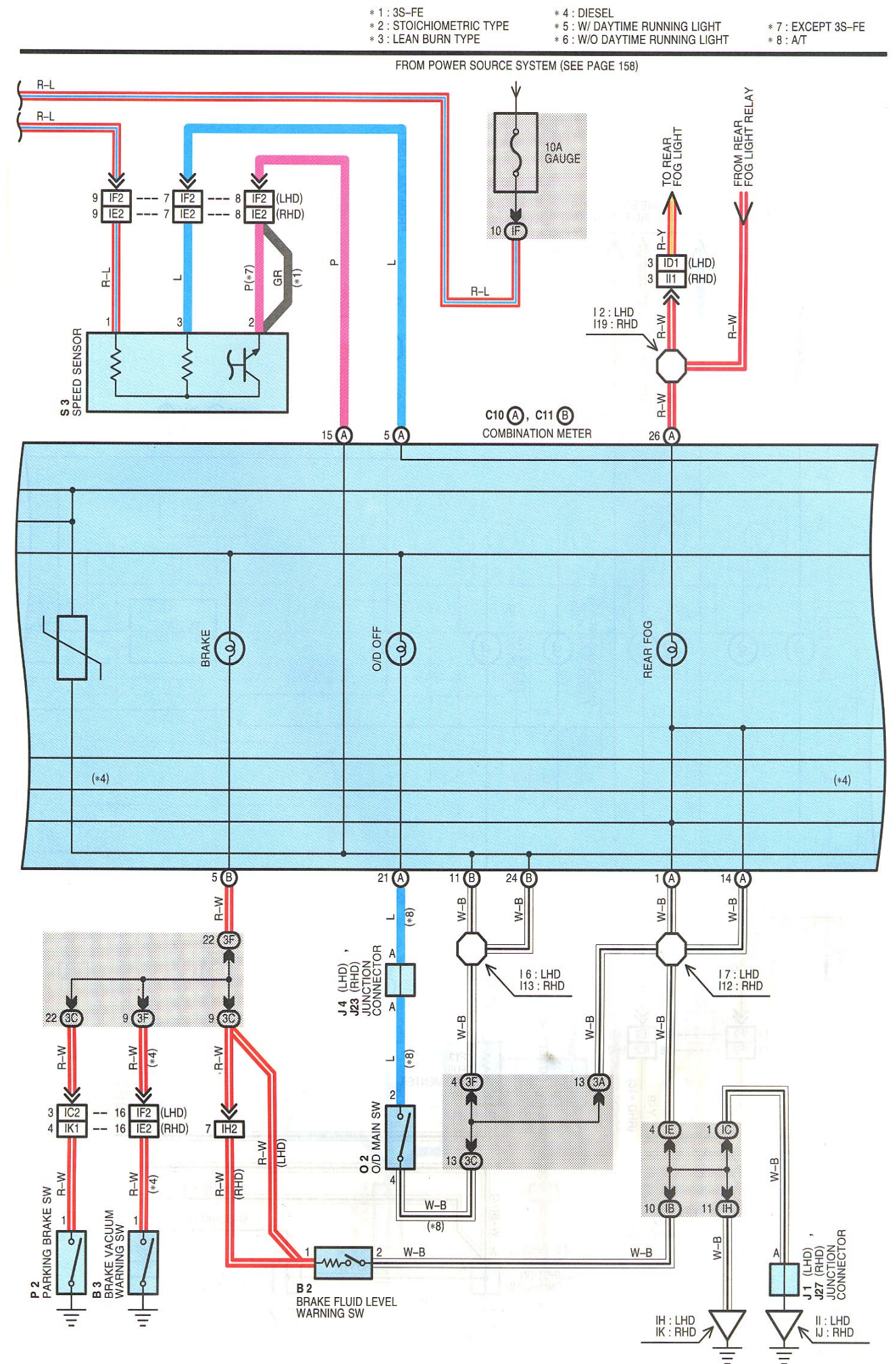
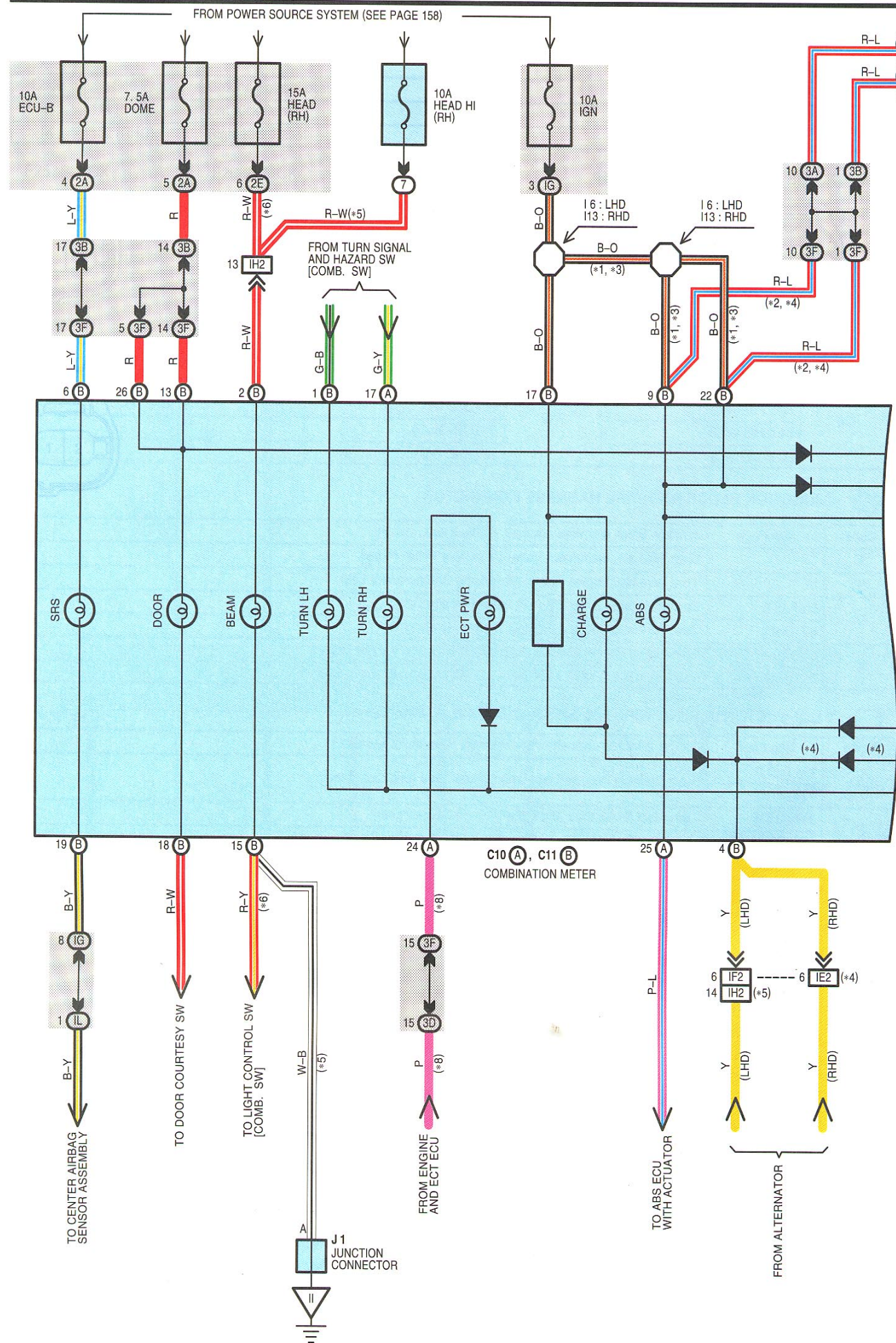
R12 BLACK

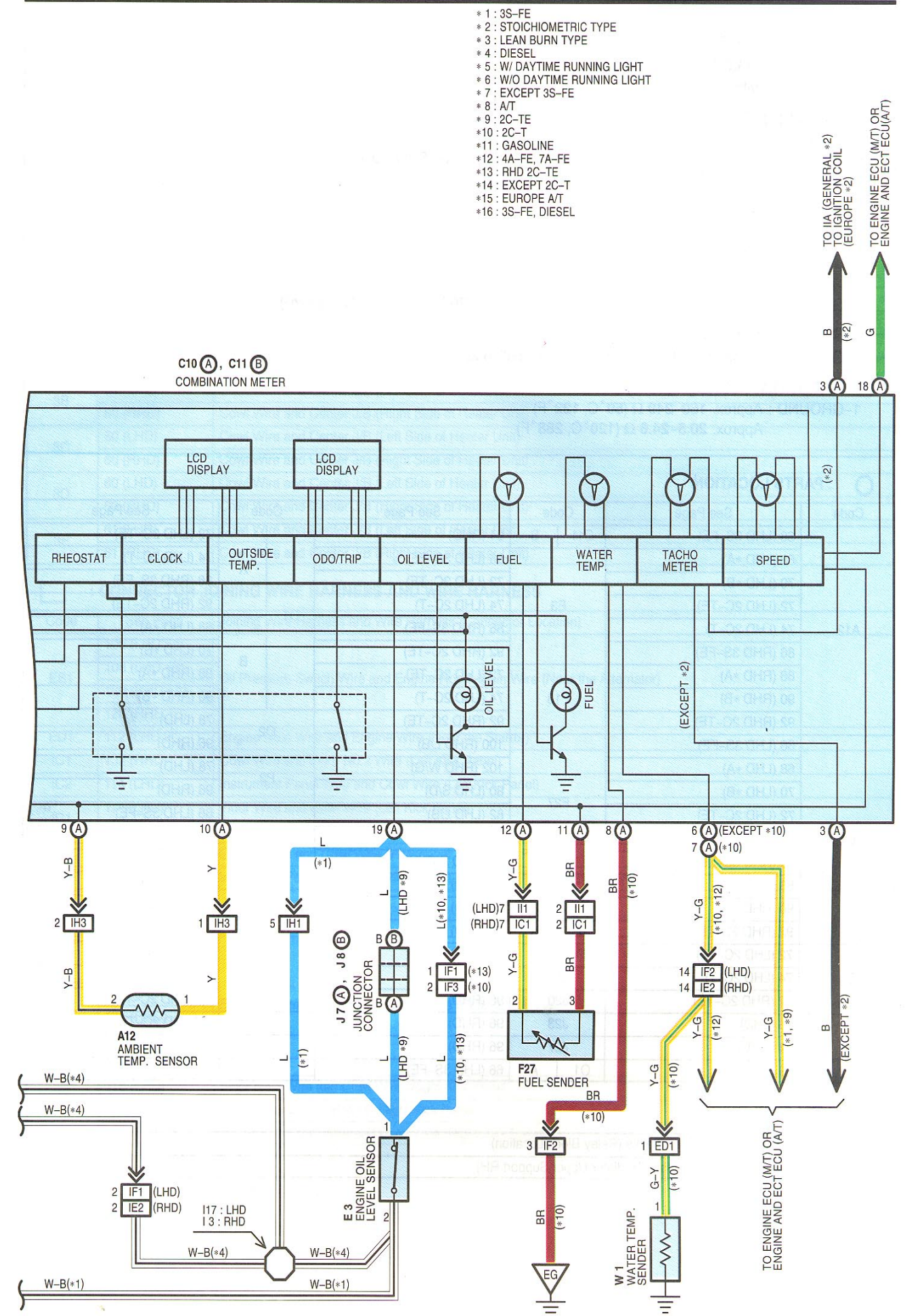
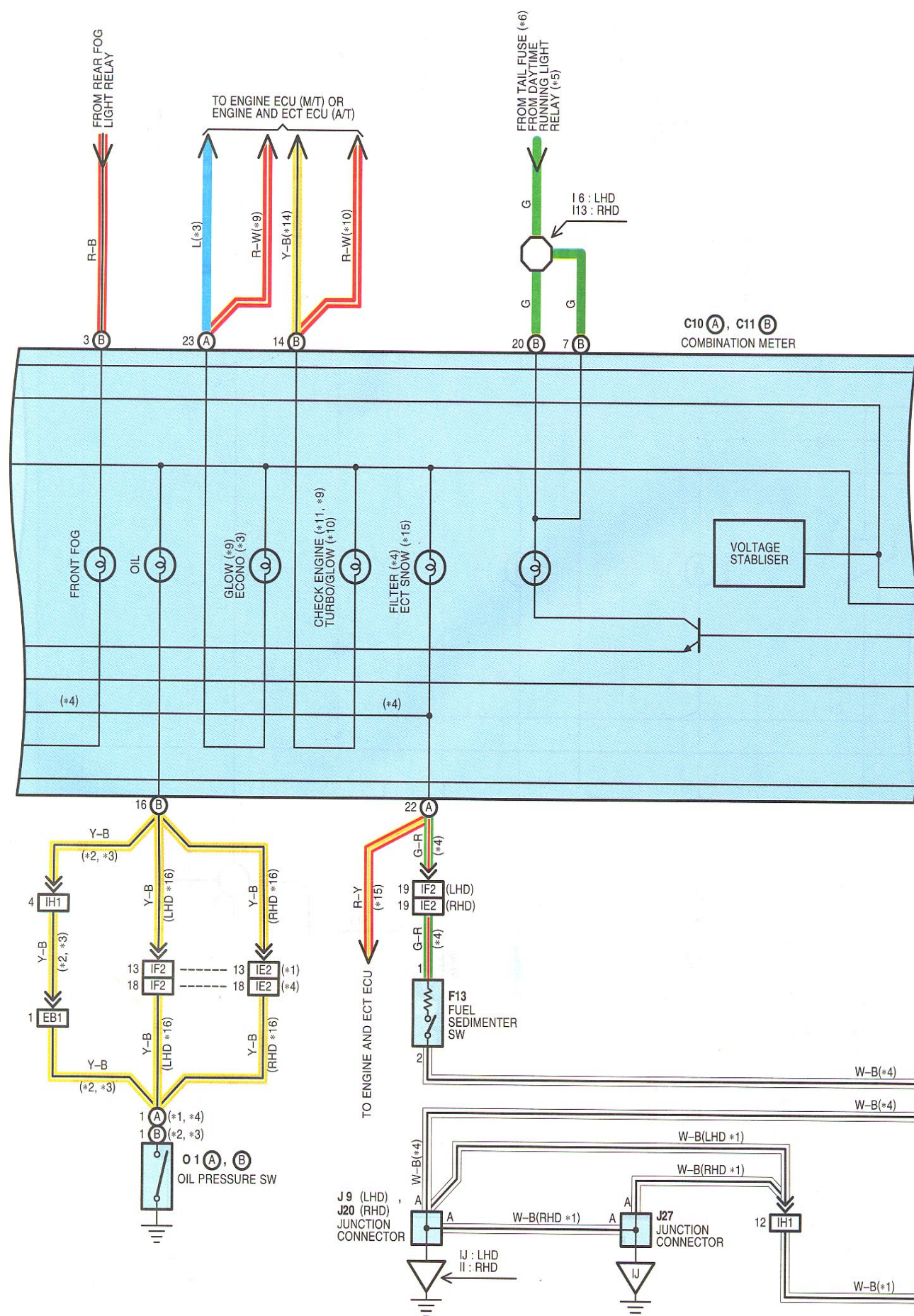


R13 BLACK



COMBINATION METER





SERVICE HINTS

B2 BRAKE FLUID LEVEL WARNING SW

1-2 : Closed with the float down

C10 (A), C11 (B) COMBINATION METER

(A) 1, (A) 14, (B) 11, (B) 24-GROUND : Always continuity

(B) 9, (B) 17, (B) 22-GROUND : Approx. 12 volts with the ignition SW at ON position

(B) 6, (B) 13, (B) 26-GROUND : Always approx. 12 volts

F27 FUEL SENDER

2-3 : Approx. 3 Ω at fuel full

Approx. 110 Ω at fuel empty

O1 (A), (B) OIL PRESSURE SW

1-GROUND : Opened with the oil pressure above approx. 20 kpa (2.9 psi, 0.2 kgf/cm²)

P2 PARKING BRAKE SW

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

W1 WATER TEMP. SENDER (2C-T)

1-GROUND : Approx. 160-240 Ω (50°C, 122°F)

Approx. 20.5-24.6 Ω (120°C, 288°F)

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page		
A12		66 (LHD 3S-FE)	C11	B	94 (RHD)	O1	72 (LHD 2C-TE)		
		68 (LHD *A)	E3		66 (LHD 3S-FE)		A	74 (LHD 2C-T)	
		70 (LHD *B)			72 (LHD 2C-TE)			86 (RHD 3S-FE)	
		72 (LHD 2C-TE)			74 (LHD 2C-T)			92 (RHD 2C-TE)	
		74 (LHD 2C-T)			86 (RHD 3S-FE)		B	68 (LHD *A)	
		86 (RHD 3S-FE)			92 (RHD 2C-TE)				70 (LHD *B)
		88 (RHD *A)		F13				72 (LHD 2C-TE)	
		90 (RHD *B)			74 (LHD 2C-T)				90 (RHD *B)
		92 (RHD 2C-TE)			92 (RHD 2C-TE)				
							O2	78 (LHD)	
B2		66 (LHD 3S-FE)	F27		100 (RHD L/B)		96 (RHD)		
		68 (LHD *A)			102 (RHD W/G)	P2	78 (LHD)		
		70 (LHD *B)			80 (LHD S/D)			96 (RHD)	
		72 (LHD 2C-TE)			82 (LHD L/B)	S3	66 (LHD 3S-FE)		
		74 (LHD 2C-T)			84 (LHD W/G)			68 (LHD *A)	
		86 (RHD 3S-FE)			98 (RHD S/D)			70 (LHD *B)	
		88 (RHD *A)	J1	78 (LHD)			72 (LHD 2C-TE)		
		90 (RHD *B)	J4	78 (LHD)			74 (LHD 2C-T)		
		92 (RHD 2C-TE)	J7	A	78 (LHD)			86 (RHD 3S-FE)	
	B3		72 (LHD 2C-TE)	J8	B	78 (LHD)		88 (RHD *A)	
			74 (LHD 2C-T)	J9		78 (LHD)		90 (RHD *B)	
			92 (RHD 2C-TE)	J20		96 (RHD)		92 (RHD 2C-TE)	
C10	A	76 (LHD)	J23		96 (RHD)	W1	74 (LHD 2C-T)		
		94 (RHD)	J27		96 (RHD)				
C11	B	76 (LHD)	O1	A	66 (LHD 3S-FE)				

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
7	54	R/B No.7 (Radiator Upper Support RH)



: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

* A : 7A-FE, 4A-FE Lean Burn Type

* B : 4A-FE Stoichiometric Type

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IG		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IL		
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)



: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	106 (LHD *A)	Oil Pressure Switch Wire and Engine Room Main Wire (Near the Alternator)
	108 (LHD *B)	
	126 (RHD *A)	
	128 (RHD *B)	
ED1	112 (LHD 2C-T)	Engine No.4 Wire and Engine Wire (Near the Starter)
IC1	132 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
	132 (RHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	132 (RHD)	Instrument Panel Wire and Cowl Wire (Left Side of the Instrument Panel J/B)
IF2	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF3		
IH1		
IH2	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IH3	116 (LHD)	
	134 (RHD)	
II1	116 (LHD)	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	Floor Wire and Cowl Wire (Right Kick Panel)
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)

COMBINATION METER

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EG	112 (LHD 2C-T)	Near the Starter
IH	114 (LHD)	Left Kick Panel
II	114 (LHD) 132 (RHD)	
IJ	114 (LHD) 132 (RHD)	Right Kick Panel
IK	132 (RHD)	

○ : SPLICE POINTS

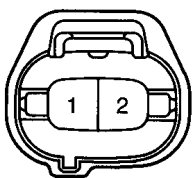
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire
I3	134 (RHD)	Engine Wire	I13		Cowl Wire
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire
I7			I19	134 (RHD)	Cowl Wire

* 1 : 7A-FE, 4A-FE

A12 BLACK



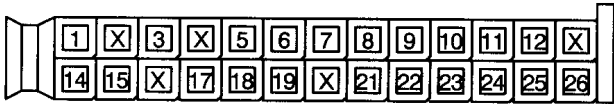
B2 BLACK



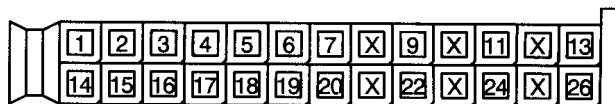
B3 BLACK



C10 (A) BLACK



C11 (B) GREEN



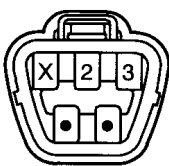
E3 GRAY



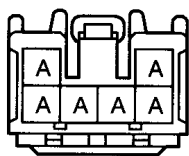
F13 GRAY



F27 DARK GRAY

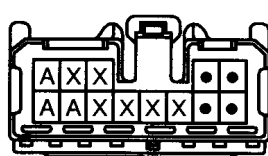


J1



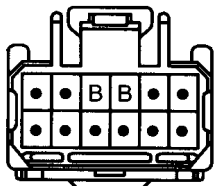
(Hint : See Page 7, 23, 39)

J4 BLUE



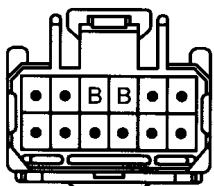
(Hint : See Page 7, 23, 39)

J7 (A) BLUE



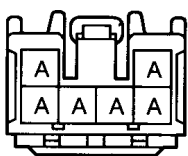
(Hint : See Page 7, 23, 39)

J8 (B) BLUE



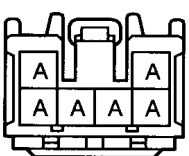
(Hint : See Page 7, 23, 39)

J9



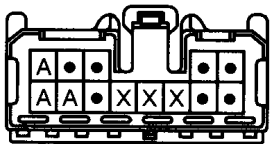
(Hint : See Page 7, 23, 39)

J20



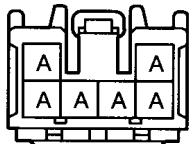
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

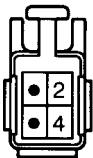
(3S-FE, Diesel) O1 (A) GRAY



(* 1) O1 (B) BLACK



O2



P2 BLACK



S3 BLACK

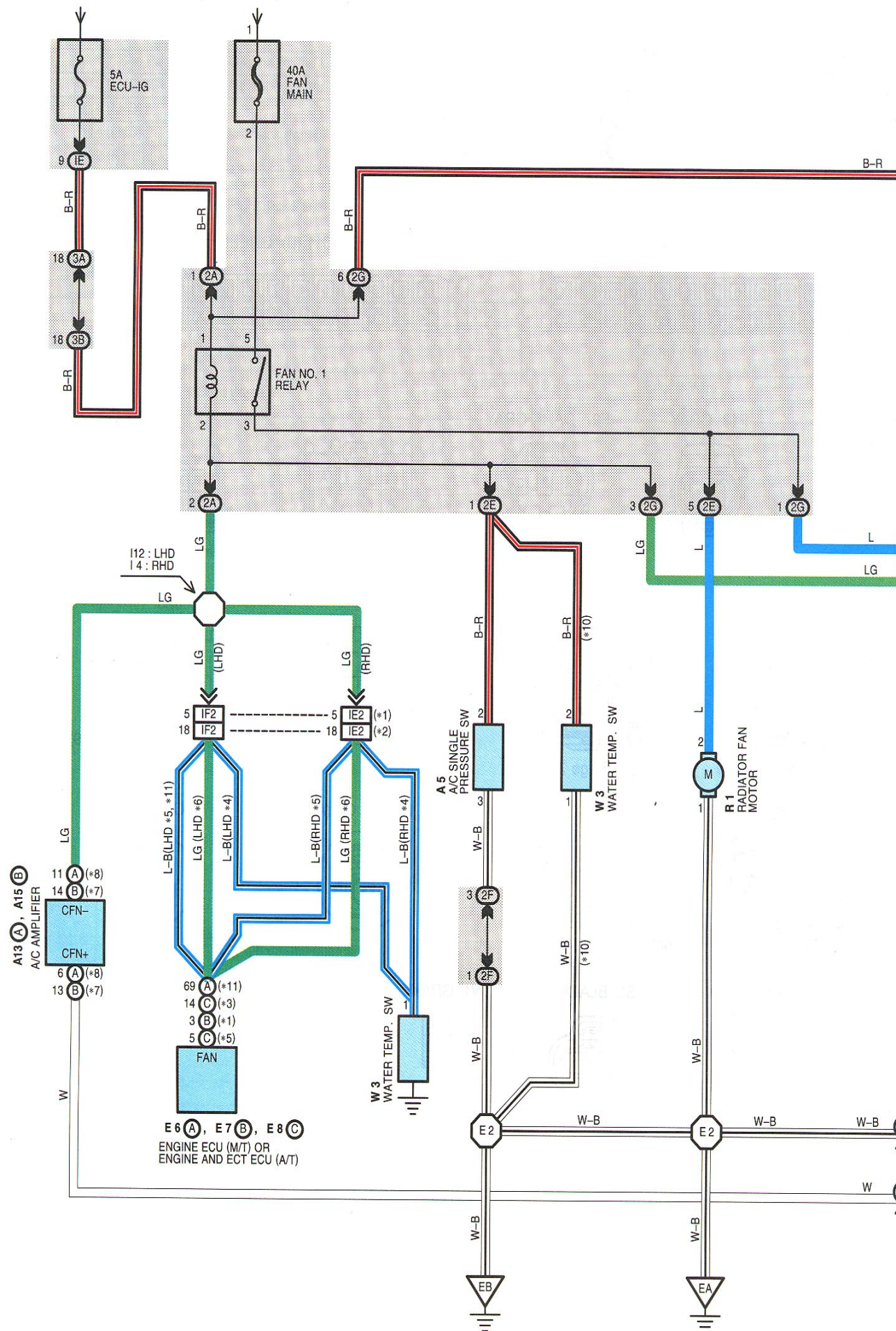


W1 GRAY



RADIATOR FAN AND CONDENSER FAN

FROM POWER SOURCE SYSTEM (SEE PAGE 158)

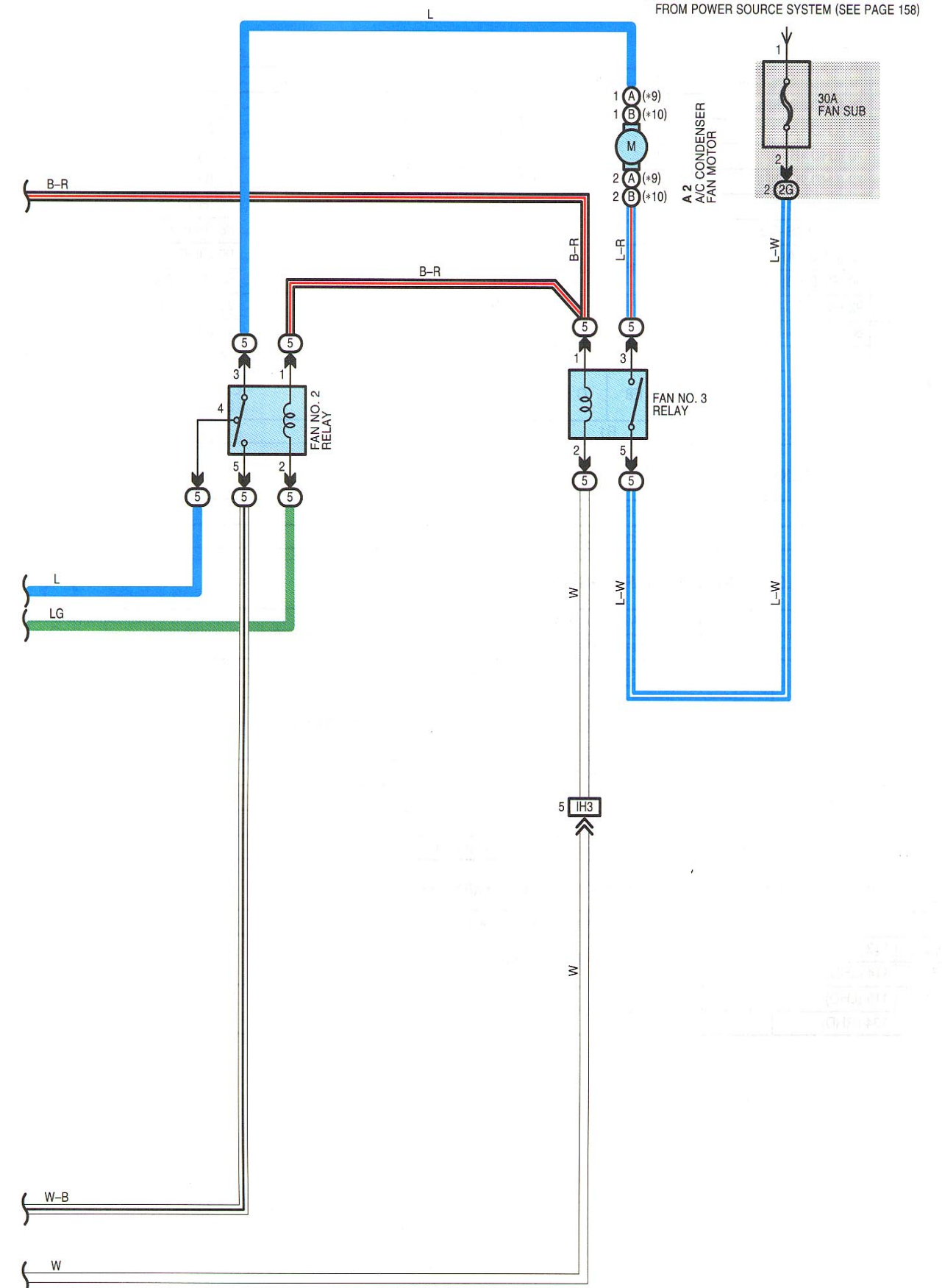


- * 1 : 2C-TE
- * 2 : EXCEPT 2C-TE
- * 3 : 3S-FE

- * 4: 4A-FE GENERAL STOICHIOMETRIC TYPE
- * 5: 7A-FE, 4A-FE LEAN BURN TYPE
- * 6: *1, *3
- * 7: AUTO A/C

- * 8 : MANUAL A/C
- * 9 : GASOLINE
- * 10 : DIESEL
- * 11 : 4A-FE EUROPE STOICHIOMETRIC TYPE

FROM POWER SOURCE SYSTEM (SEE PAGE 158)



○ : PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
A2	66 (LHD 3S-FE)	A5		86 (RHD 3S-FE)	R1	68 (LHD *A)
	68 (LHD *A)			88 (RHD *A)		70 (LHD *B)
	70 (LHD *B)			90 (RHD *B)		72 (LHD 2C-TE)
	72 (LHD 2C-TE)			92 (RHD 2C-TE)		74 (LHD 2C-T)
	74 (LHD 2C-T)	A13	A	76 (LHD)		86 (RHD 3S-FE)
	86 (RHD 3S-FE)			94 (RHD)		88 (RHD *A)
	88 (RHD *A)	A15	B	76 (LHD)		90 (RHD *B)
	90 (RHD *B)			94 (RHD)		92 (RHD 2C-TE)
	92 (RHD 2C-TE)	E6	A	76 (LHD)		W3
A5	66 (LHD 3S-FE)	E7	B	76 (LHD)	72 (LHD 2C-TE)	
	68 (LHD *A)			94 (RHD)	74 (LHD 2C-T)	
	70 (LHD *B)	E8	C	76 (LHD)	90 (RHD *B)	
	72 (LHD 2C-TE)			94 (RHD)	92 (RHD 2C-TE)	
	74 (LHD 2C-T)			R1		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
5	54	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	57	Engine Room Main Wire and Engine Room J/B.(Engine Compartment Left)
2F		
2G		
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	

▽ : GROUND POINTS

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	

○ : SPLICE POINTS

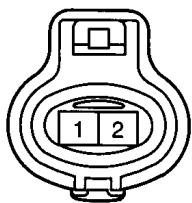
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	E2	126 (RHD *A)	Engine Room Main Wire
	106 (LHD *A)			128 (RHD *B)	
	108 (LHD *B)			130 (RHD 2C-TE)	
	110 (LHD 2C-TE)		I4	134 (RHD)	Cowl Wire
	112 (LHD 2C-T)		I12	116 (LHD)	
	124 (RHD 3S-FE)				

RADIATOR FAN AND CONDENSER FAN

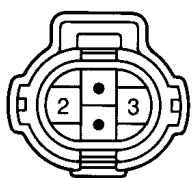
(Gasoline) A2 BLACK



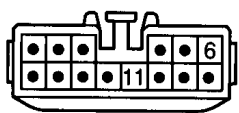
(Diesel) A2 GRAY



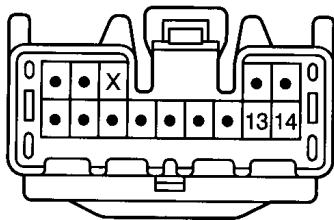
A5 DARK GRAY



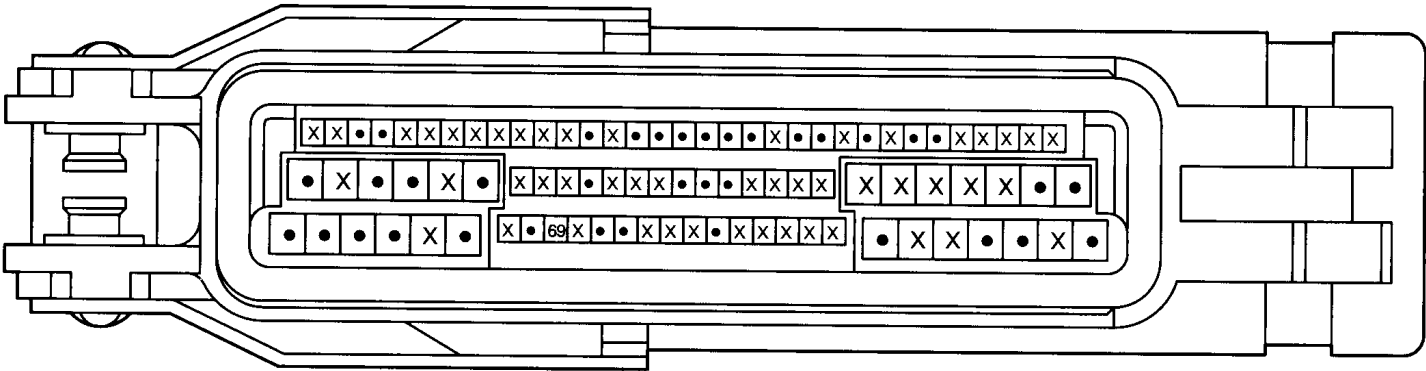
A13 (A) BLACK



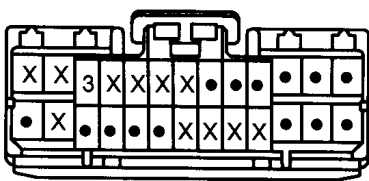
A15 (B) ORANGE



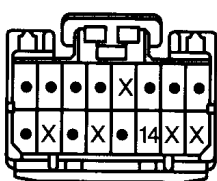
E6 (A) BLACK



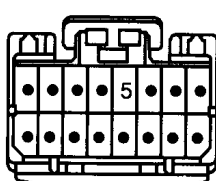
(2C-TE) E7 (B)



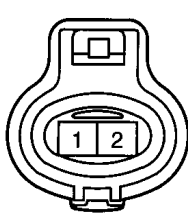
(3S-FE) E8 (C)



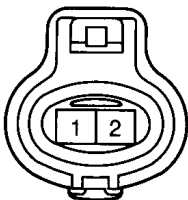
(Lean Burn Type) E8 (C)



(Gasoline) R1 BLACK



(Diesel) R1 GRAY



(Gasoline) W3 GRAY

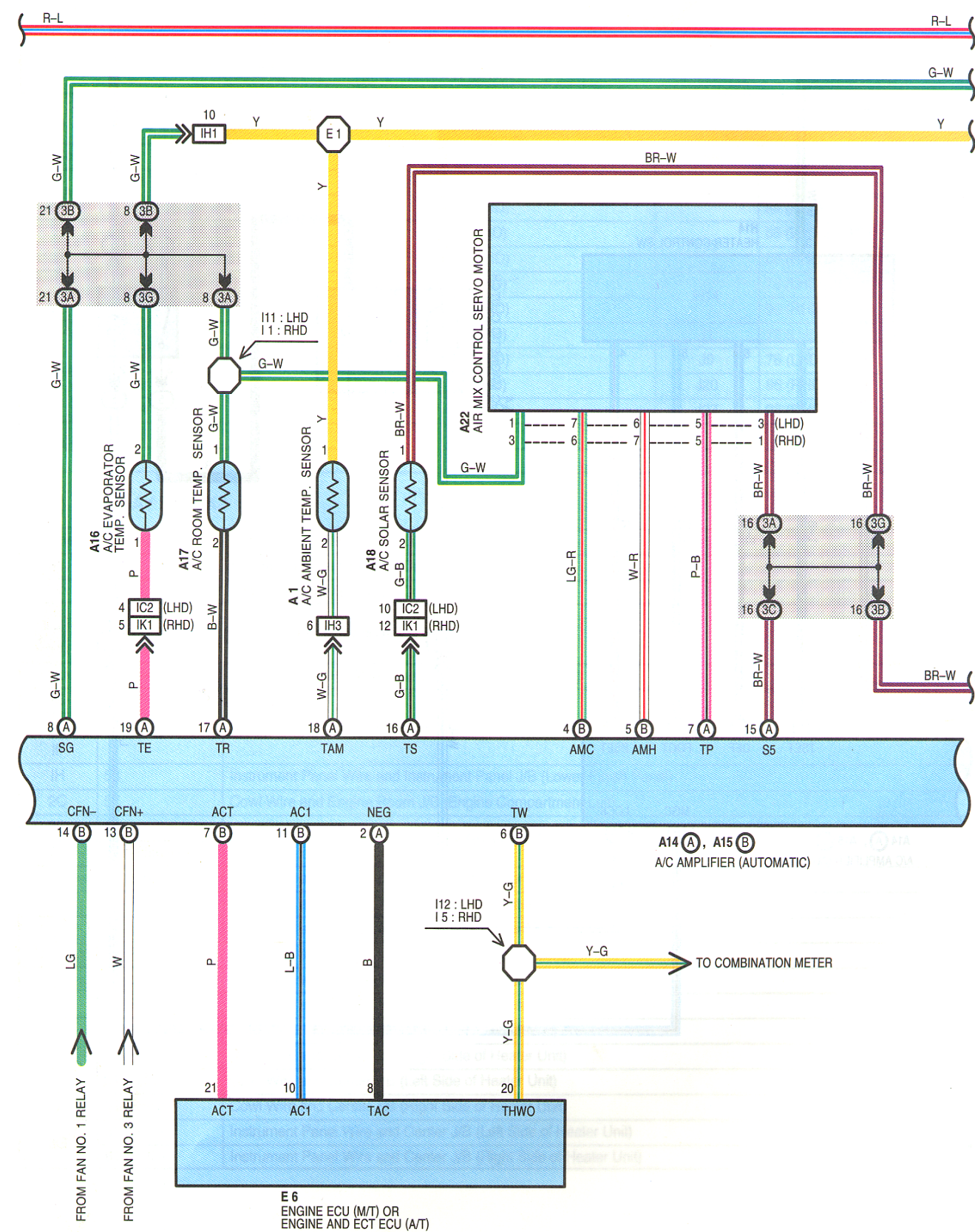
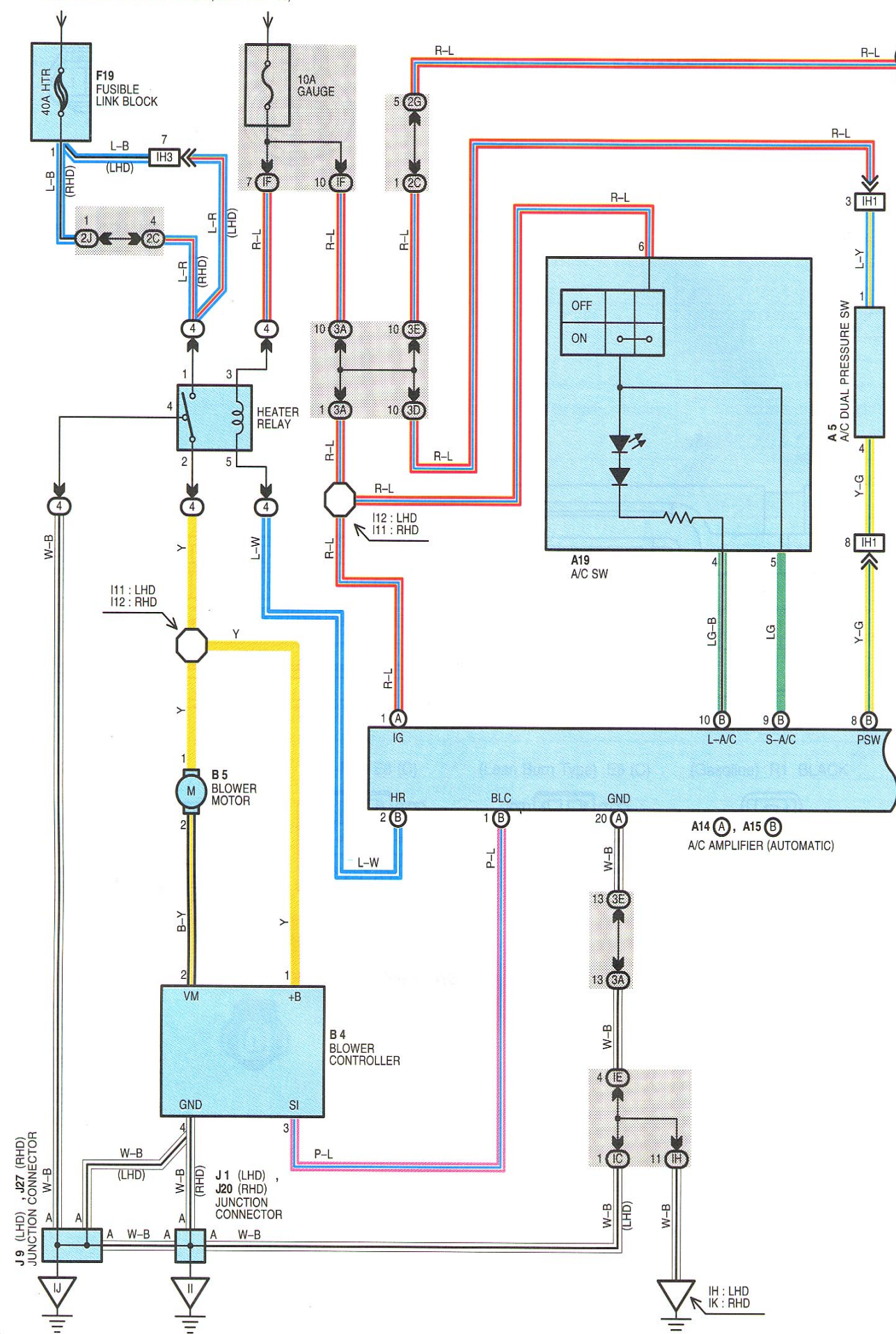


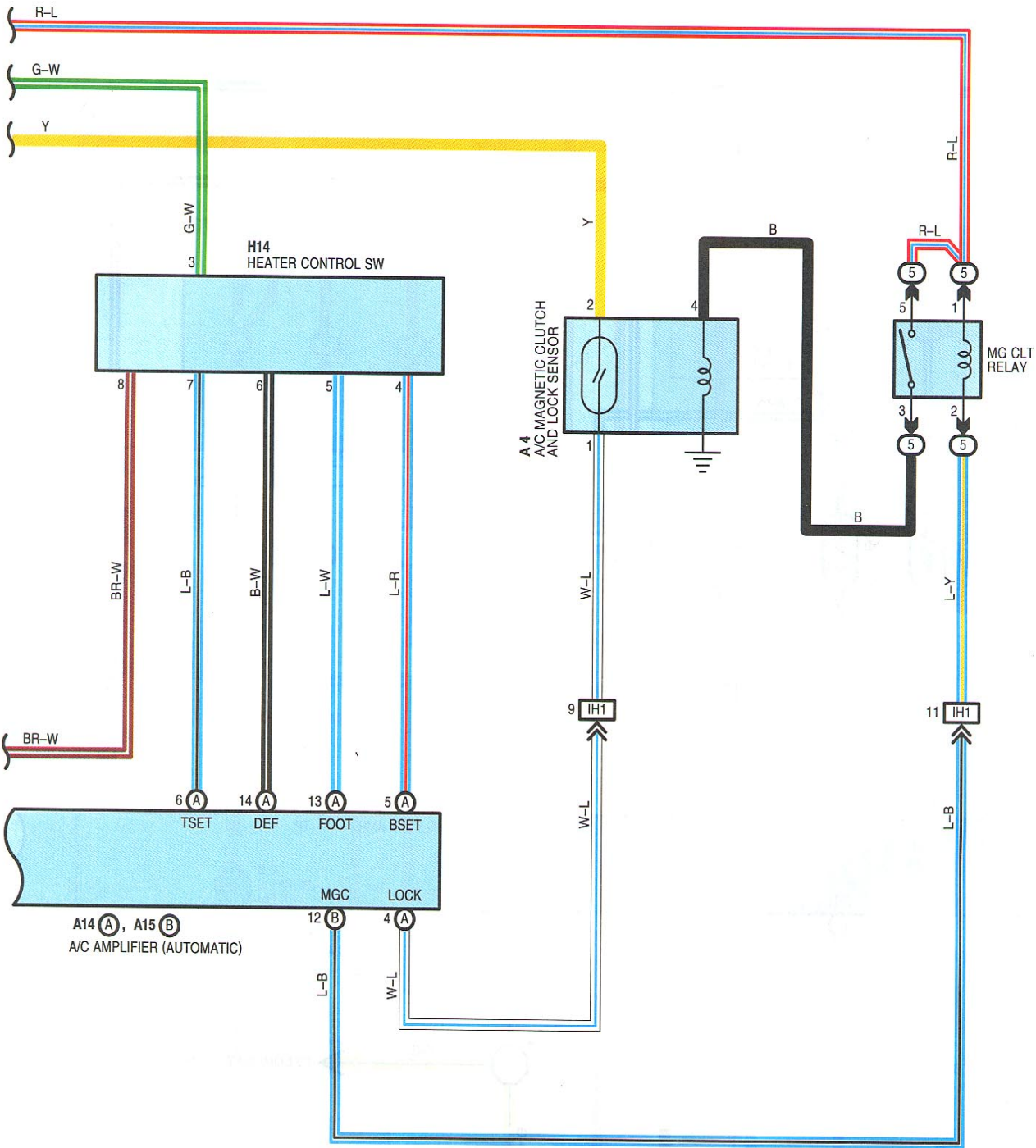
(Diesel) W3



AUTOMATIC AIR CONDITIONER

FROM POWER SOURCE SYSTEM (SEE PAGE 158)





SERVICE HINTS

A14 (A), A15 (B) A/C AMPLIFIER (AUTOMATIC)
IG-GROUND : Approx. 12 volts with the ignition SW at ON position
GND-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	66 (LHD 3S-FE)	A17	66 (LHD 3S-FE)	E6	76 (LHD)
	86 (RHD 3S-FE)		94 (RHD)		94 (RHD)
A4	66 (LHD 3S-FE)	A18	76 (LHD)	F19	66 (LHD 3S-FE)
	86 (RHD 3S-FE)		94 (RHD)		86 (RHD 3S-FE)
A5	66 (LHD 3S-FE)	A19	76 (LHD)	H14	78 (LHD)
	86 (RHD 3S-FE)		94 (RHD)		96 (RHD)
A14 A	76 (LHD)	A22	76 (LHD)	J1	78 (LHD)
	94 (RHD)		94 (RHD)		78 (LHD)
A15 B	76 (LHD)	B4	76 (LHD)	J20	96 (RHD)
	94 (RHD)		94 (RHD)		96 (RHD)
A16	76 (LHD)	B5	76 (LHD)		
	94 (RHD)		94 (RHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)
5	54	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2G	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	57 (Gasoline)	
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

AUTOMATIC AIR CONDITIONER

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IH1	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)

 : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II	114 (LHD) 132 (RHD)	
IJ	114 (LHD) 132 (RHD)	Right Kick Panel
IK	132 (RHD)	

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	104 (LHD 3S-FE) 124 (RHD 3S-FE)	Engine Room Main Wire	I11	116 (LHD) 134 (RHD)	Cowl Wire
I1	134 (RHD)	Cowl Wire	I12	116 (LHD) 134 (RHD)	Cowl Wire
I5					

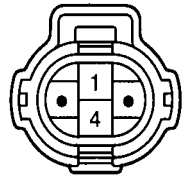
A1 BLACK



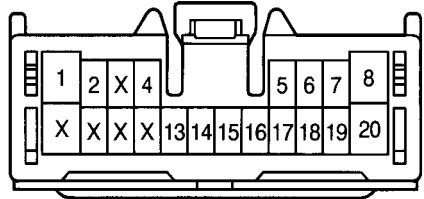
A4 GARY



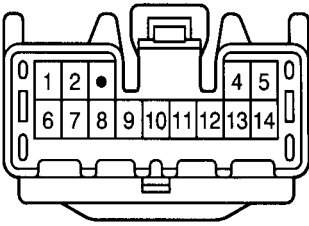
A5 DARK GRAY



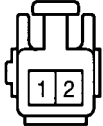
A14 (A) ORANGE



A15 (B) ORANGE



A16



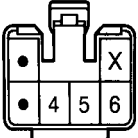
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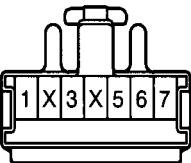
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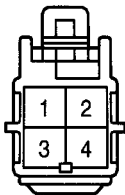
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A22 BLACK



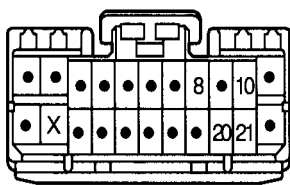
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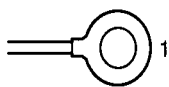
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E6



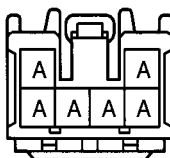
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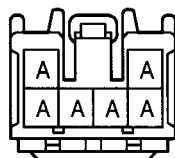
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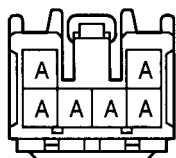
J1



J9



J20

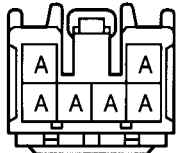


(Hint : See Page 7, 23, 39)

(Hint : See Page 7, 23, 39)

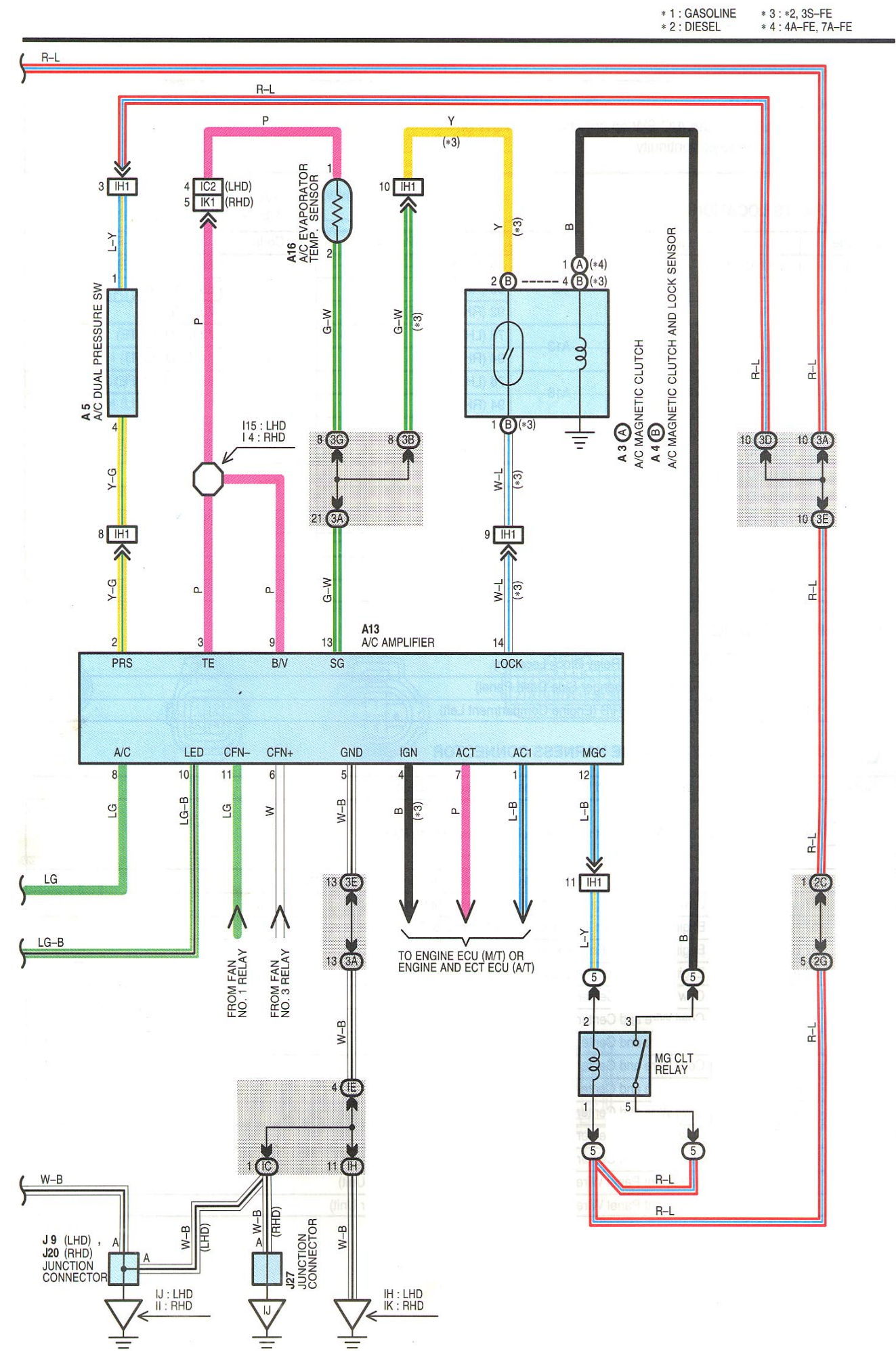
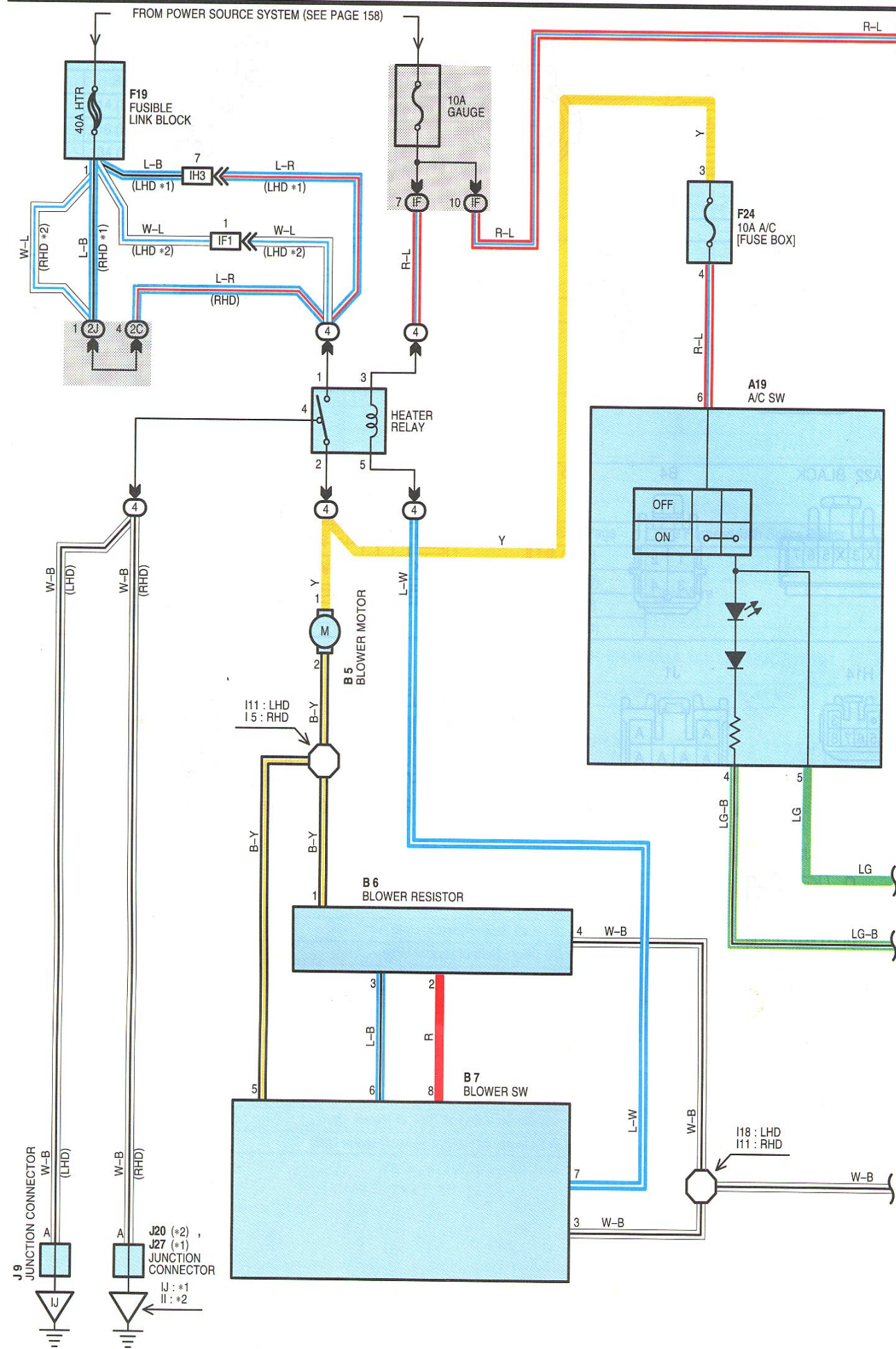
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

AIR CONDITIONER



SERVICE HINTS

A13 A/C AMPLIFIER

8-5 : Continuity with the A/C SW on and the ignition SW on
5-GROUND : Always continuity

○ : PARTS LOCATION

* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

Code	See Page	Code	See Page	Code	See Page
A3	A	68 (LHD *A)	A5	88 (RHD *A)	F19
		70 (LHD *B)		90 (RHD *B)	
		88 (RHD *A)		92 (RHD 2C-TE)	
		90 (RHD *B)		76 (LHD)	
A4	B	66 (LHD 3S-FE)		94 (RHD)	
		72 (LHD 2C-TE)		76 (LHD)	
		74 (LHD 2C-T)		94 (RHD)	
		86 (RHD 3S-FE)		76 (LHD)	
		92 (RHD 2C-TE)		94 (RHD)	
A5		66 (LHD 3S-FE)	B5	76 (LHD)	
		68 (LHD *A)		94 (RHD)	
		70 (LHD *B)	B6	76 (LHD)	F24
		72 (LHD 2C-TE)		94 (RHD)	
		74 (LHD 2C-T)	B7	76 (LHD)	
		86 (RHD 3S-FE)		94 (RHD)	

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	53	R/B No.4 (Passenger Side Dash Panel)
5	54	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE		
IF		
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2C	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2G	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	60 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Cowl Wire and Center J/B (Right Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
	61 (RHD)	Instrument Panel Wire and Center J/B (Right Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IH1	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IK1	134 (RHD)	Instrument Panel Wire and Cowl Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	134 (RHD)	Cowl Wire	I11	134 (RHD)	Cowl Wire
I5			I15	116 (LHD)	
I11			I18	116 (LHD)	Engine Room Main Wire

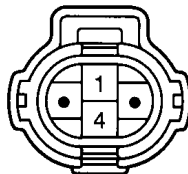
A3 (A) GRAY



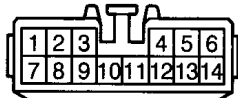
A4 (B) GRAY



A5 DARK GRAY



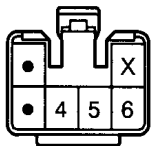
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A16



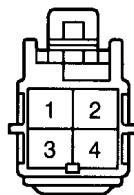
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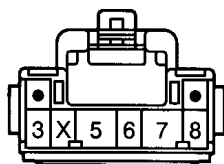
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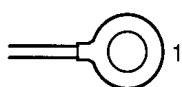
B6 BLACK



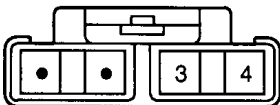
B7



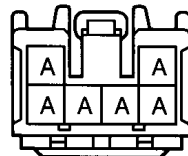
F19



F24

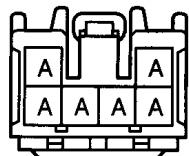


J9



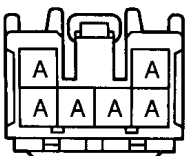
(Hint : See Page 7, 23, 39)

J20



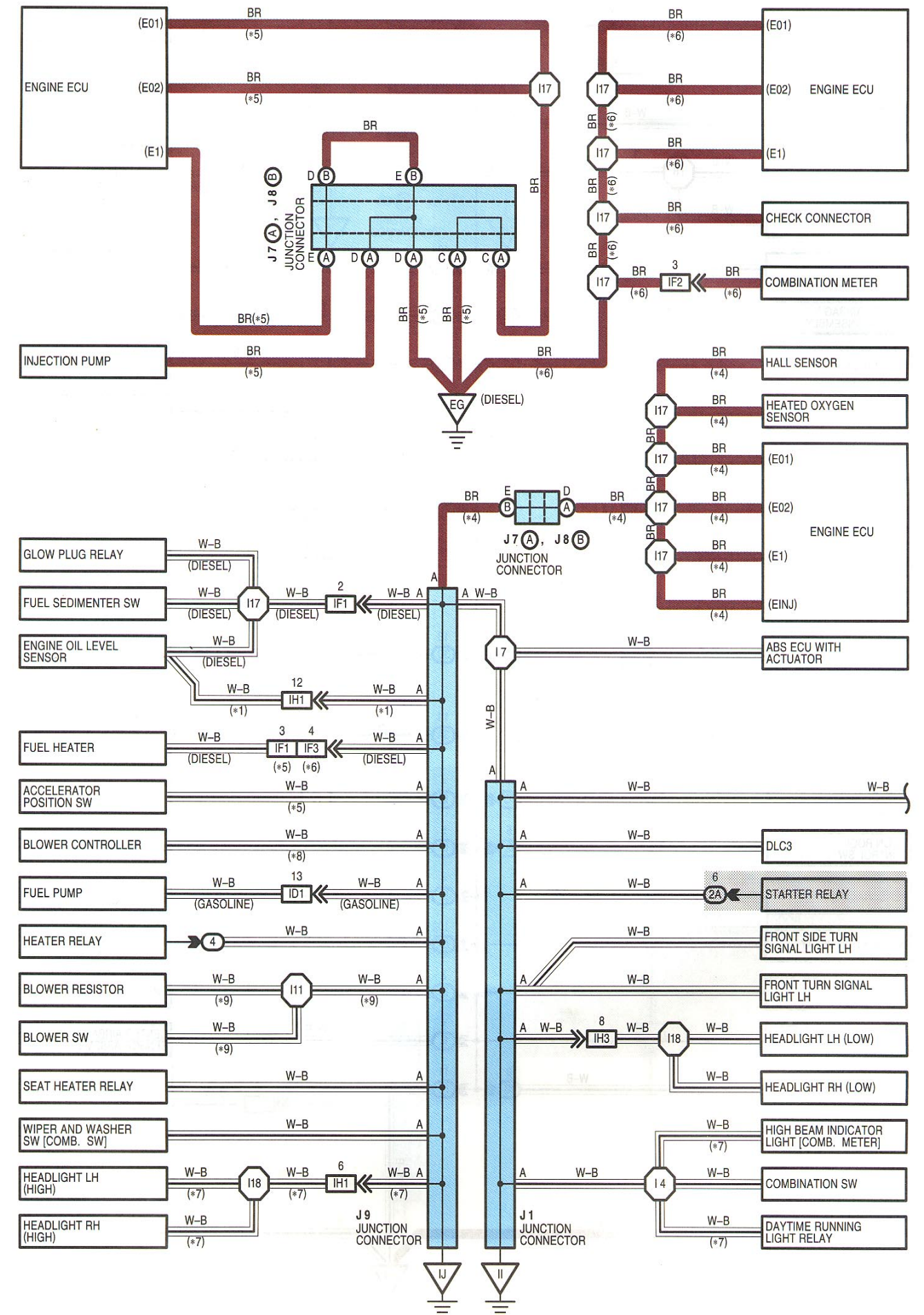
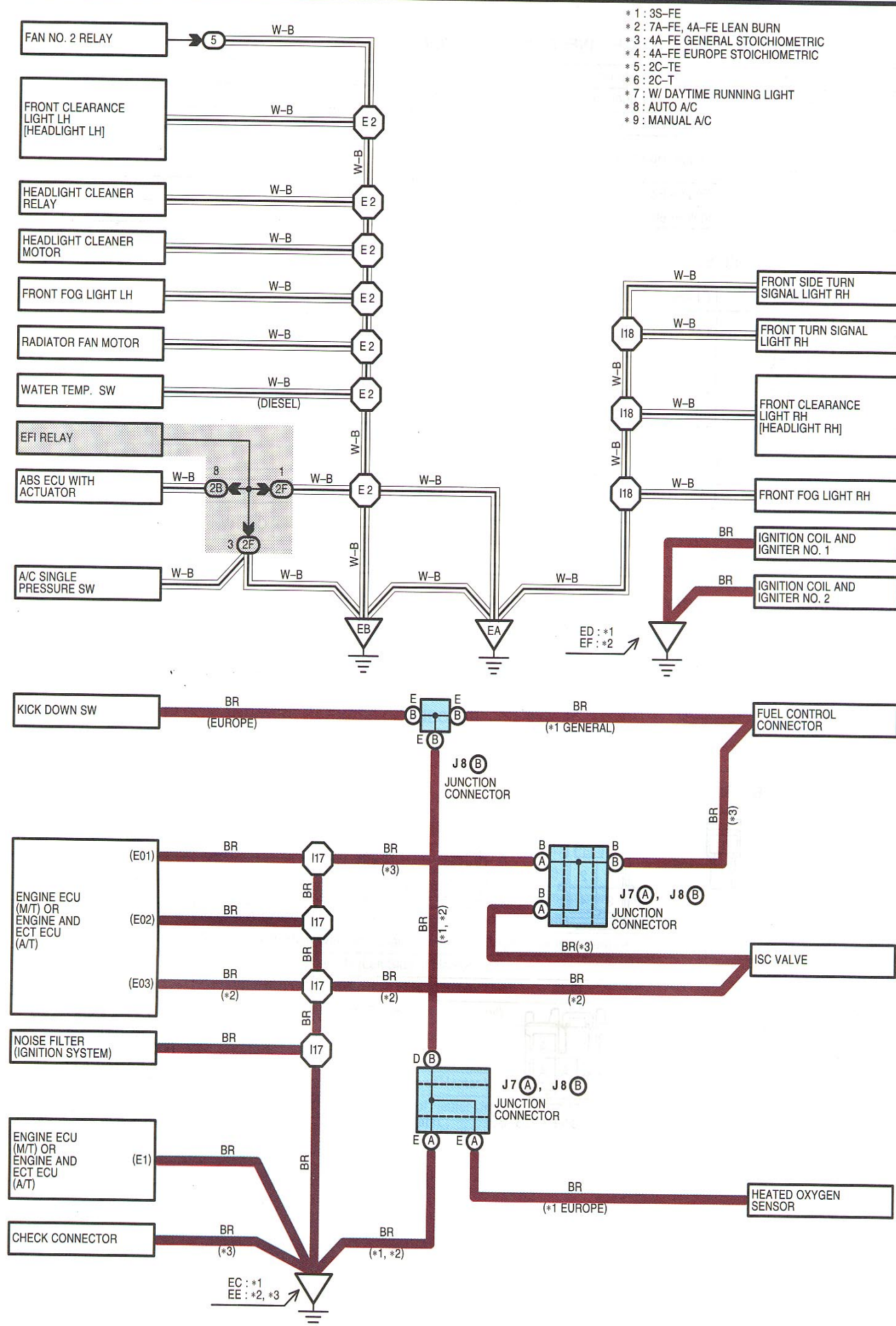
(Hint : See Page 7, 23, 39)

J27

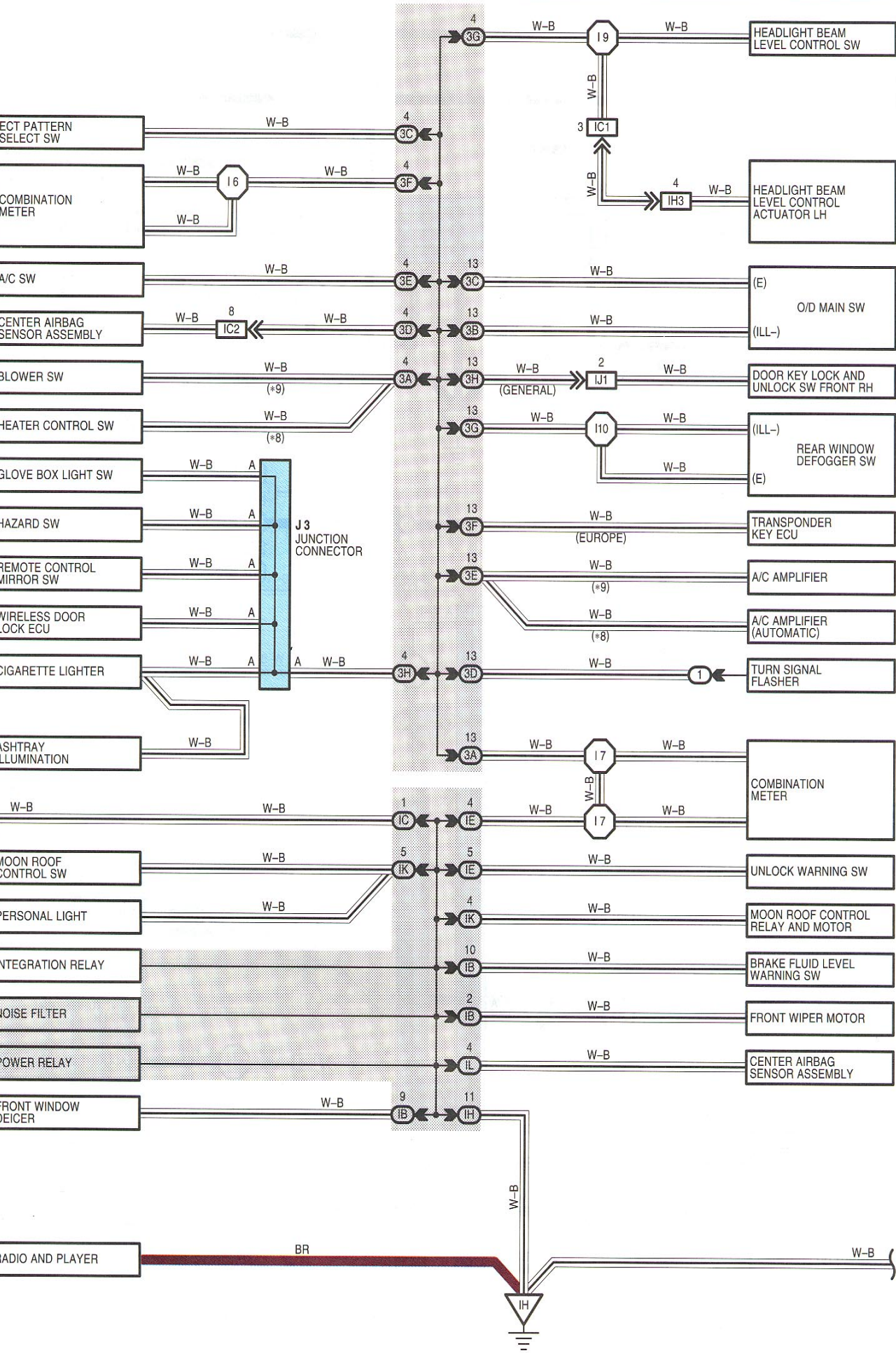


(Hint : See Page 7, 23, 39)

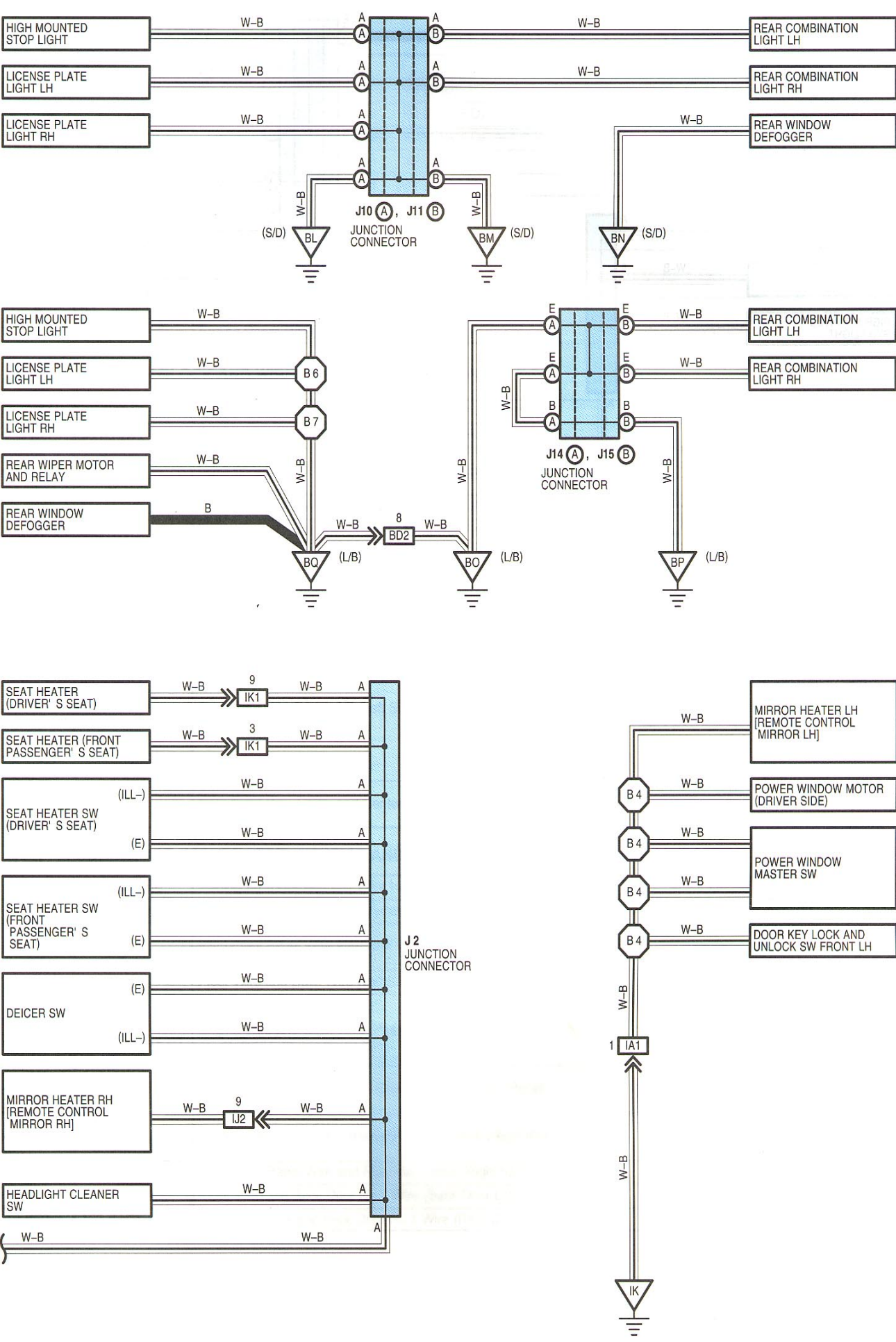
J GROUND POINT (LHD)



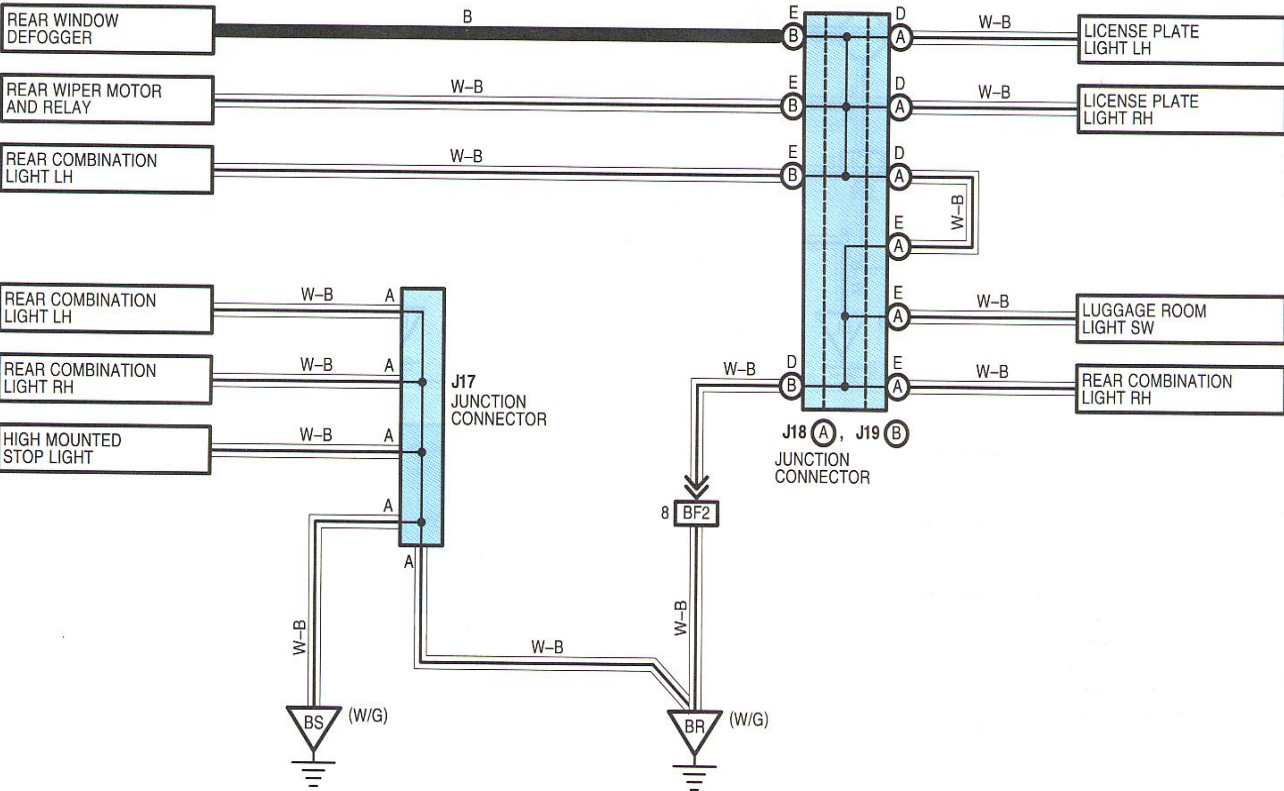
J GROUND POINT (LHD)



* 8 : AUTO A/C
* 9 : MANUAL A/C



J GROUND POINT (LHD)



○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J1	78 (LHD)	J9	78 (LHD)	J17	84 (LHD W/G)
J2	78 (LHD)	J10	A 80 (LHD S/D)	J18	A 84 (LHD W/G)
J3	78 (LHD)	J11	B 80 (LHD S/D)	J19	B 84 (LHD W/G)
J7	A 78 (LHD)	J14	A 82 (LHD L/B)		
J8	B 78 (LHD)	J15	B 82 (LHD L/B)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	53 (LHD)	Driver Side R/B (Left Kick Panel)
4	53	R/B No.4 (Passenger Side Dash Panel)
5	54	Engine Room R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IE	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
IH	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IK	59	Roof Wire and Instrument Panel J/B (Lower Finish Panel)
IL	58	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	57	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3B	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3C	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3D	60 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3E	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3F	61 (LHD)	Cowl Wire and Center J/B (Left Side of Heater Unit)
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
3H	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IC2	114 (LHD)	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF3	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IH1	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IH3	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IJ1	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ2	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IK1	116 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
BD2	120 (LHD L/B)	Floor Wire and Back Door No.1 Wire (Back Door Left)
BF2	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)

J GROUND POINT (LHD)

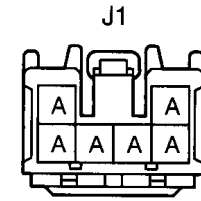
 : GROUND POINTS

- * A : 7A-FE, 4A-FE Lean Burn Type
- * B : 4A-FE Stoichiometric Type

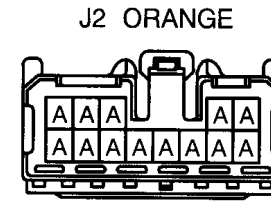
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
EC	104 (LHD 3S-FE)	Behind the Intake Manifold
ED	104 (LHD 3S-FE)	Engine Block Left Side
EE	106 (LHD *A)	Under the Intake Manifold
	108 (LHD *B)	
EF	106 (LHD *A)	Near the throttle Body
EG	110 (LHD 2C-TE)	Near the Starter
	112 (LHD 2C-T)	
IH	114 (LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel
IK	114 (LHD)	Right Kick Panel
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
BN	118 (LHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
BP	120 (LHD L/B)	Back Panel Center
BQ	120 (LHD L/B)	Back Door Center
BR	122 (LHD W/G)	Rear Quarter Panel LH
BS	122 (LHD W/G)	Rear Quarter Panel RH

 : SPLICE POINTS

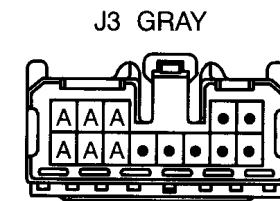
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	I10	116 (LHD)	Instrument Panel Wire
	106 (LHD *A)		I11	116 (LHD)	Cowl Wire
	108 (LHD *B)		I17	116 (LHD)	Engine Wire
	110 (LHD 2C-TE)		I18	116 (LHD)	Engine Room Main Wire
	112 (LHD 2C-T)				
I4	116 (LHD)	Cowl Wire	B4	118 (LHD S/D)	Front Door LH Wire
I6				120 (LHD L/B)	
I7				122 (LHD W/G)	
I9	116 (LHD)	Instrument Panel Wire	B6	120 (LHD L/B)	Back Door No.1 Wire
			B7	122 (LHD W/G)	Roof No.3 Wire



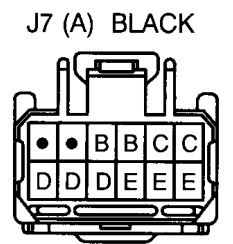
(Hint : See Page 7, 23, 39)



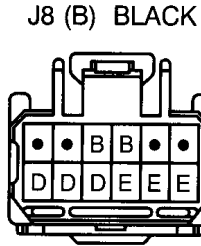
(Hint : See Page 7, 23, 39)



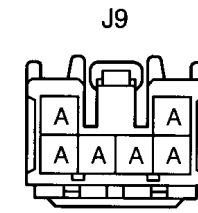
(Hint : See Page 7, 23, 39)



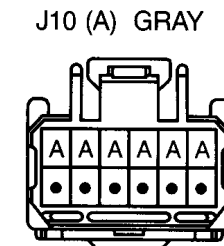
(Hint : See Page 7, 23, 39)



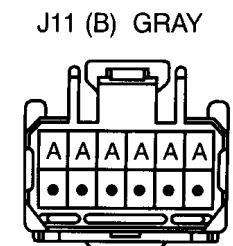
(Hint : See Page 7, 23, 39)



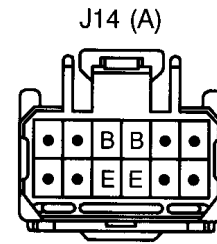
(Hint : See Page 7, 23, 39)



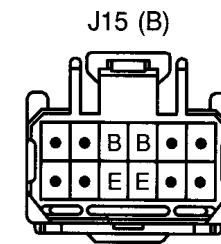
(Hint : See Page 7, 23, 39)



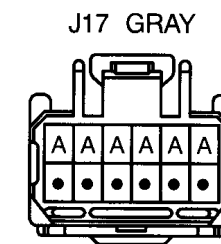
(Hint : See Page 7, 23, 39)



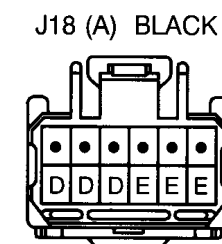
(Hint : See Page 7, 23, 39)



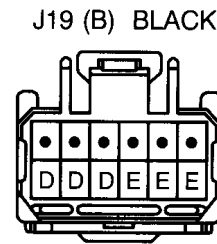
(Hint : See Page 7, 23, 39)



(Hint : See Page 7, 23, 39)



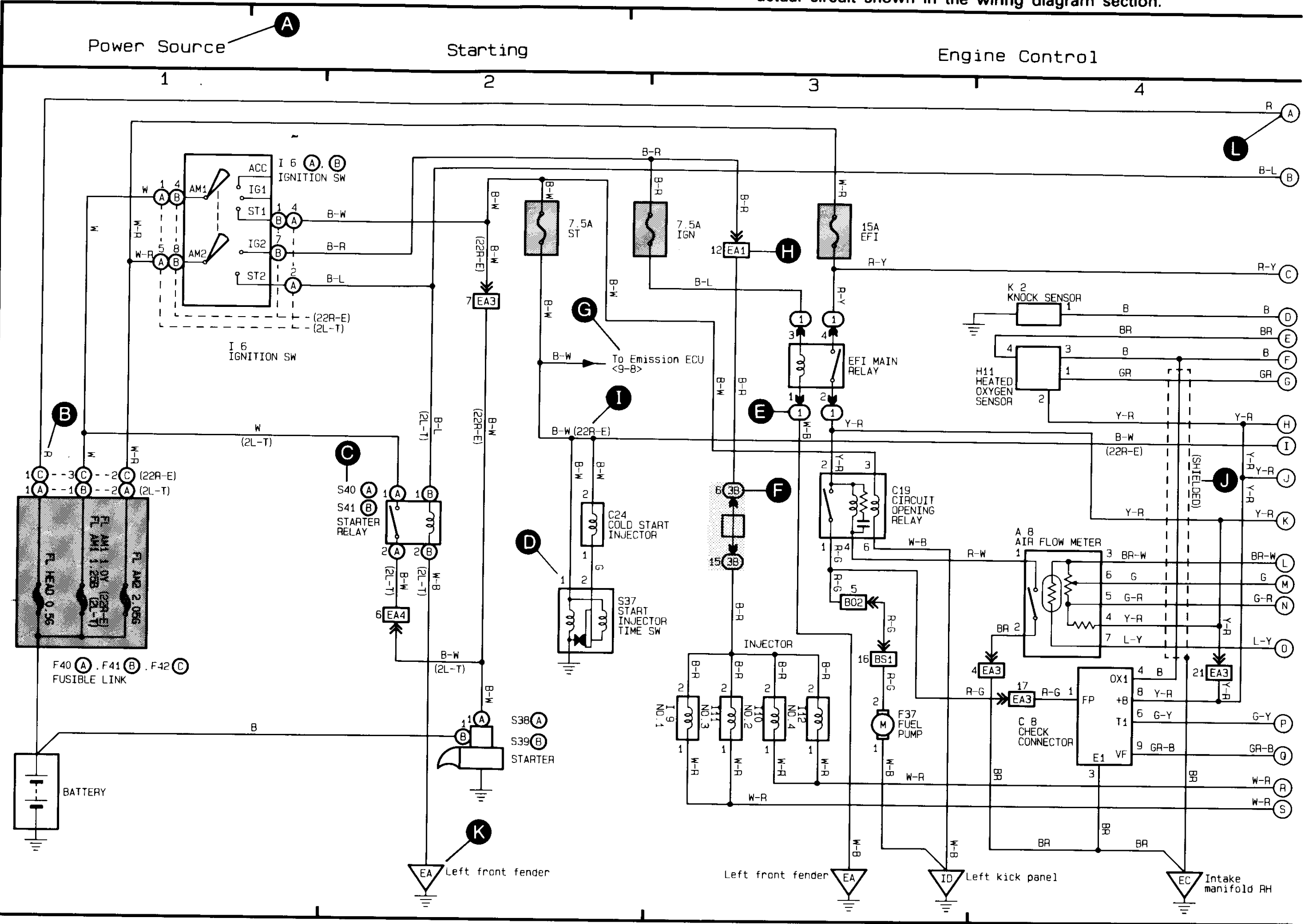
(Hint : See Page 7, 23, 39)



(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.

K OVERALL ELECTRICAL WIRING DIAGRAM



A: System Title

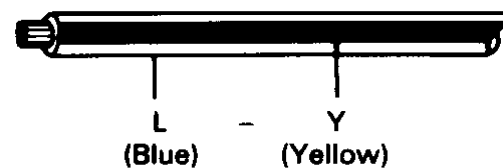
B: Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

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

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

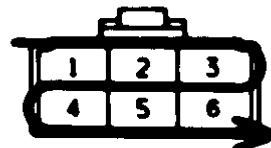
Example: L - Y



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

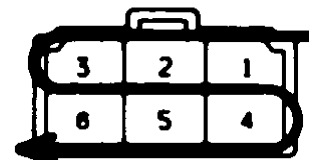
D: Indicates the pin number of the connector. The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right



Female

Numbered in order from upper right to lower left



Male

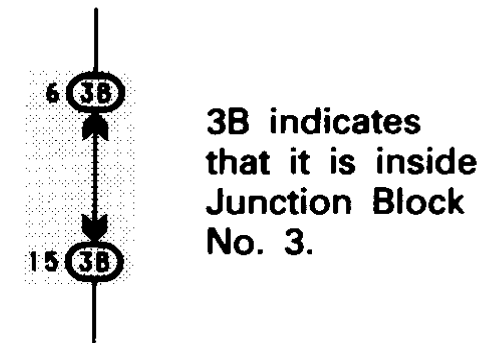
The numbering system for the overall wiring diagram is the same as above.

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

Example: ① Indicates Relay Block No. 1.

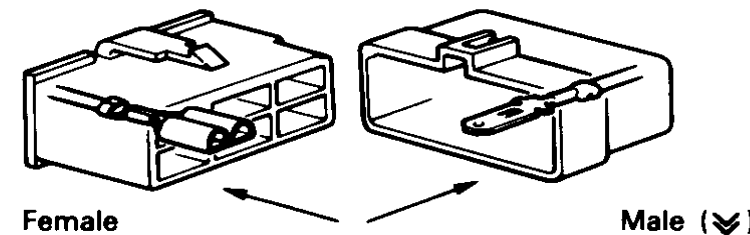
F: Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



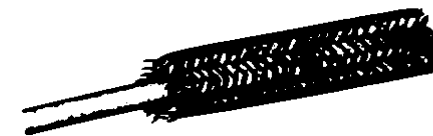
G: Indicates related system.

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



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

J: Indicates a shielded cable.

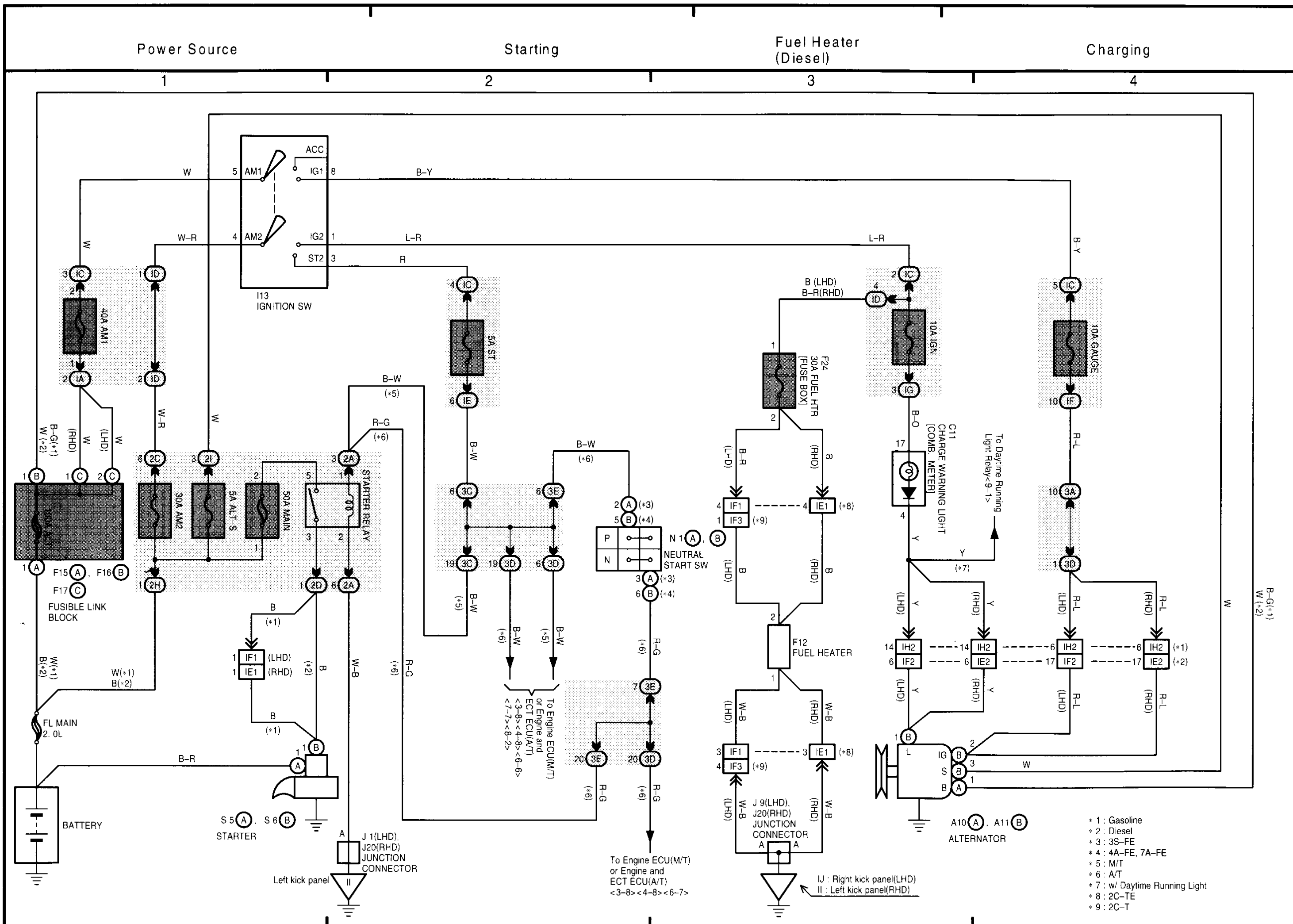


K: Indicates and located on ground point.

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

SYSTEMS	LOCATION	SYSTEMS	LOCATION	SYSTEMS	LOCATION
ABS	21-2	Front Wiper and Washer	26-2	Radio and Player	31-3
Air Conditioner	33-2	Fuel Heater	1-3 (Diesel)	Rear Fog Light	11-4
Automatic Air Conditioner	34-2	Headlight	9-2 (w/ Daytime Running Light) 10-2 (w/o Daytime Running Light)	Rear Window Defogger and Mirror Heater	30-2 (RHD)
Back-Up Light	15-2	Headlight Beam Level Control	10-3	Rear Wiper and Washer	27-2
Charging	1-3	Headlight Cleaner	26-4 (LHD)	Remote Control Mirror	28-3
Cigarette Lighter	27-4	Horn	31-2	Seat Heater	25-2 (LHD)
Combination Meter	32-2	Ignition	2-2	SRS	22-2
Door Lock Control	23-3	Illumination	17-2	Starting	1-2
ECT	18-2 (3S-FE) 20-2 (4A-FE General Stoichiometric Type) 19-2 (Lean Burn Type)	Interior Light	16-2	Stop Light	14-2
Engine Control	8-2 (2C-T) 7-2 (2C-TE) 3-2 (3S-FE) 5-2 (4A-FE Europe Stoichiometric Type) 6-2 (4A-FE General Stoichiometric Type) 4-2 (7A-FE, 4A-FE Lean Burn Type)	Light Reminder Buzzer	25-4	Taillight	15-5
Front Fog Light	11-2	Moon Roof	28-2	Theft Deterrent	35-2 (RHD)
Front Window Deicer and Rear Window Defogger and Mirror Heater	29-2 (LHD)	Power Source	1~35-1	Turn Signal and Hazard Warning Light	12-2 (LHD) 13-2 (RHD)
		Power Window	24-2	Wireless Door Lock Control	23-2
		Radiator Fan and Condenser Fan	34-6		

1 AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM



1 AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM

Power Source

Starting

Fuel Heater
(Diesel)

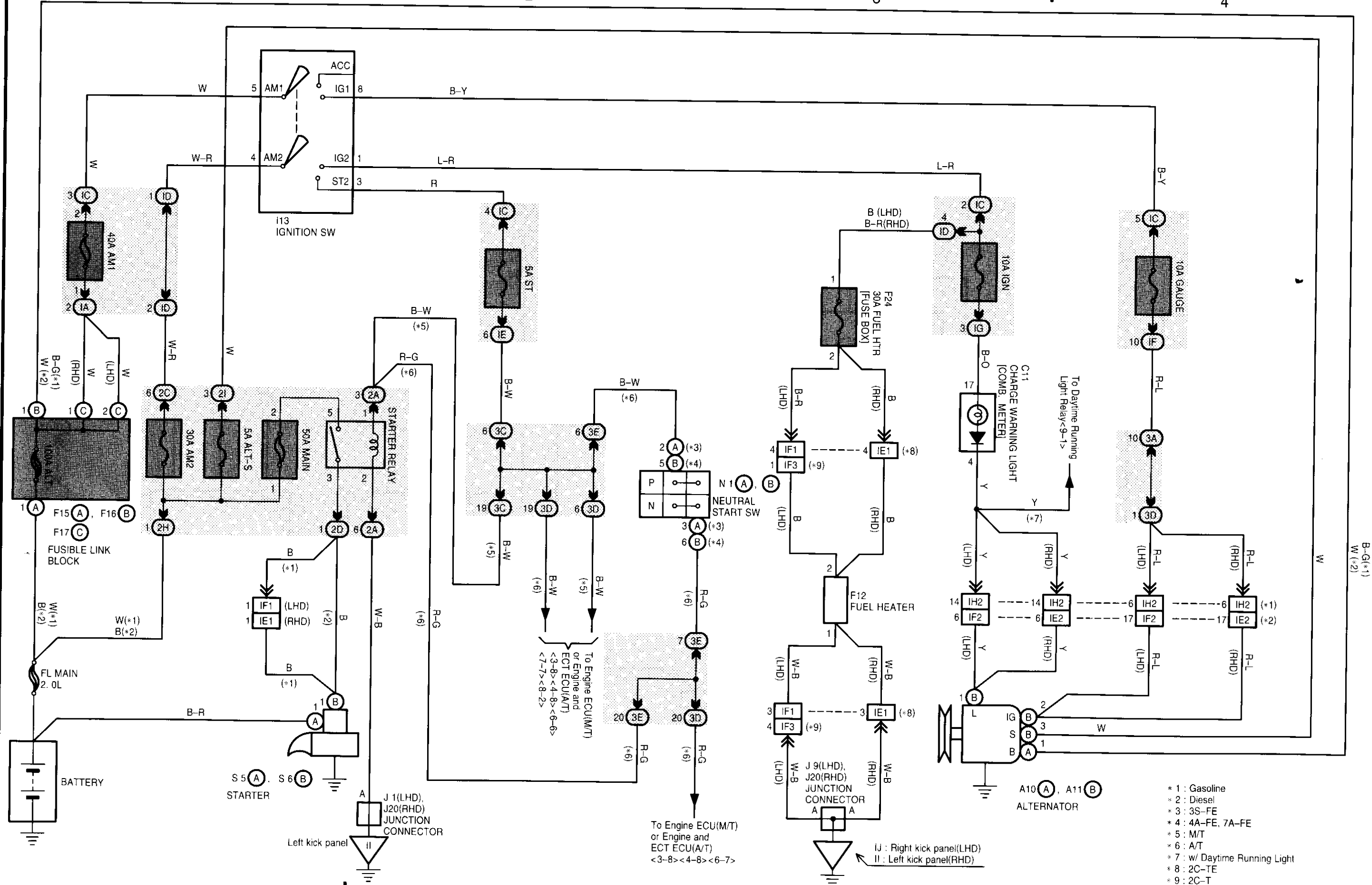
Charging

1

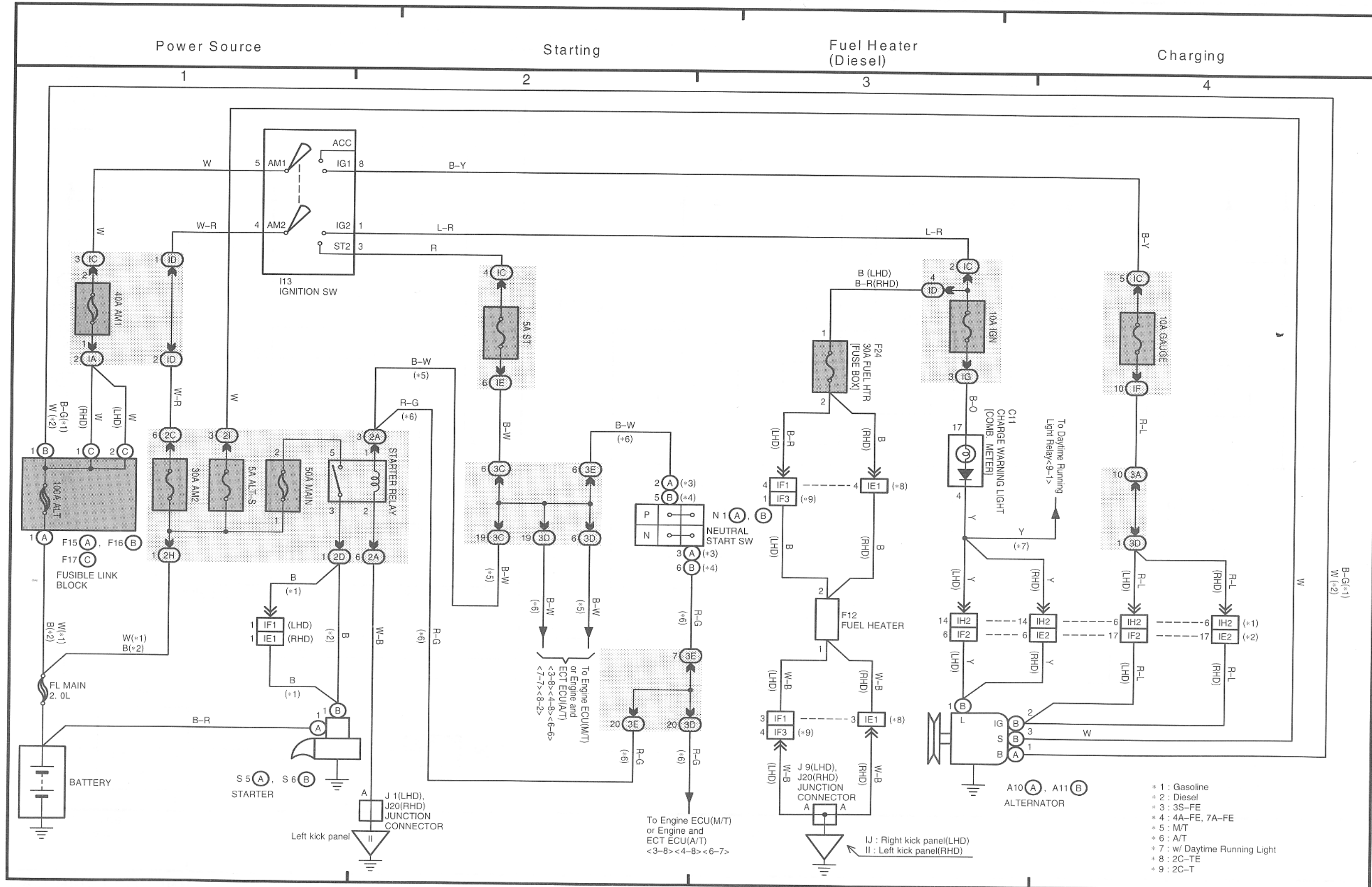
2

3

4

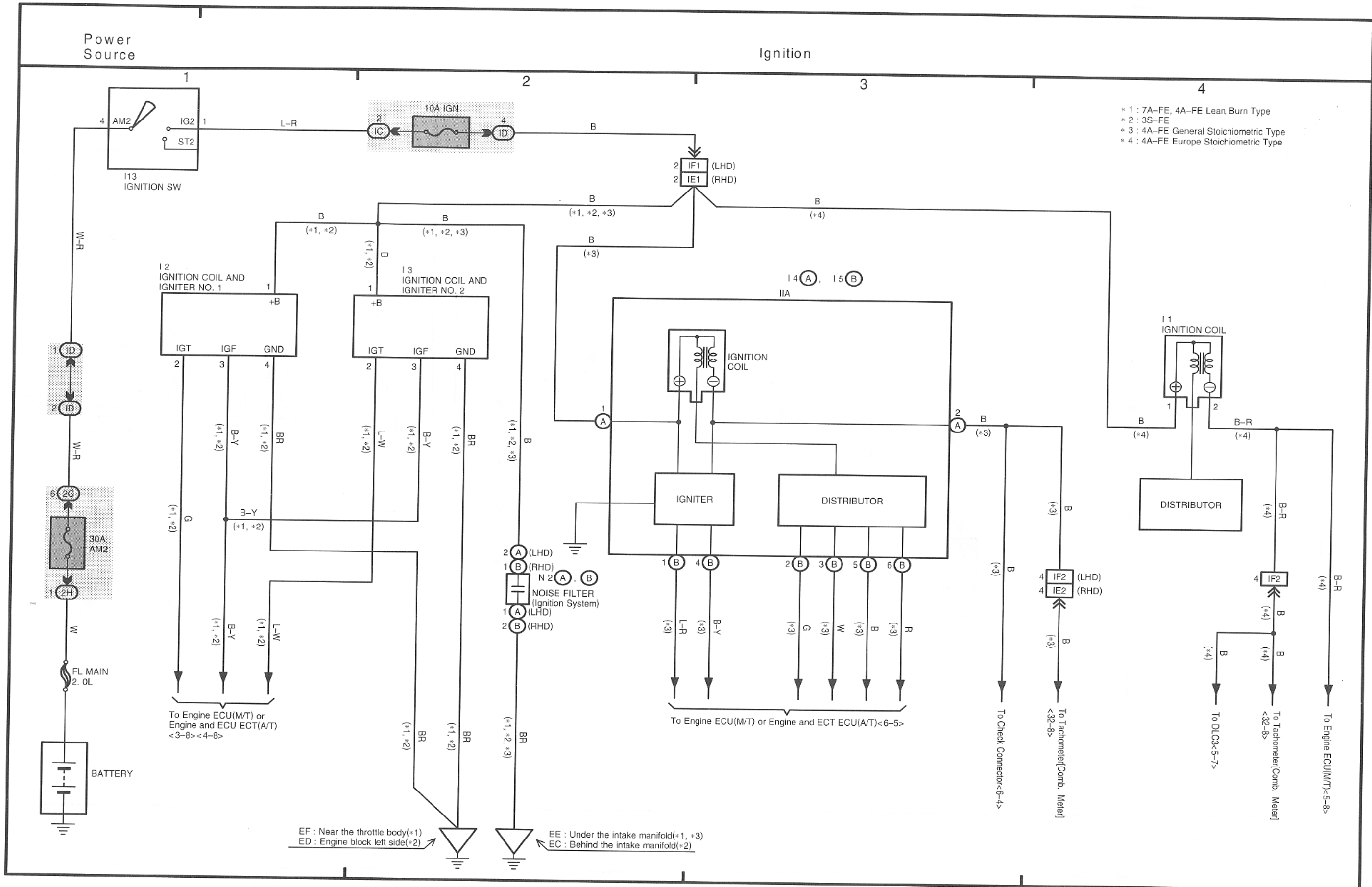


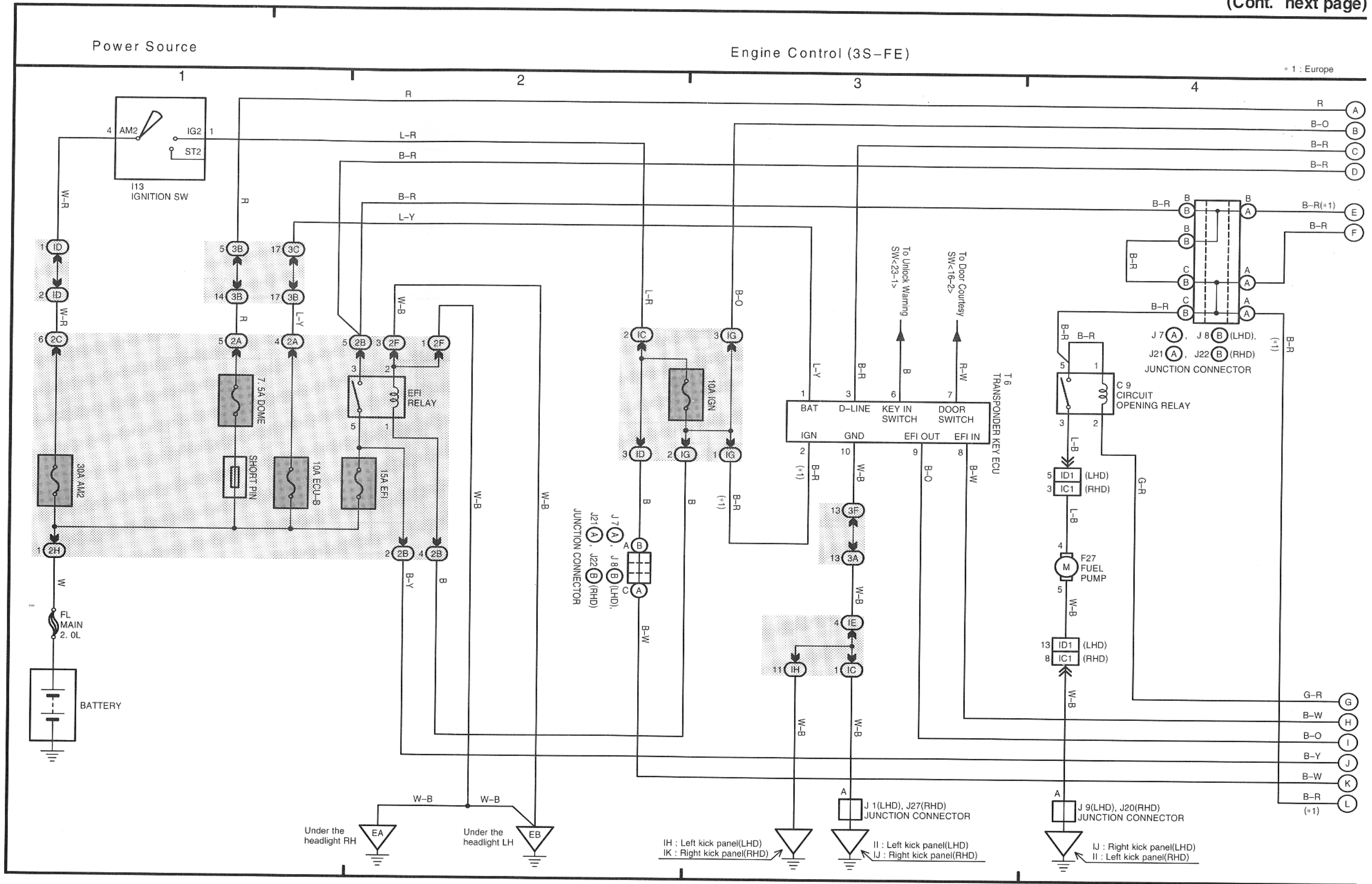
1 AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM



2 AVENSIS / CORONA

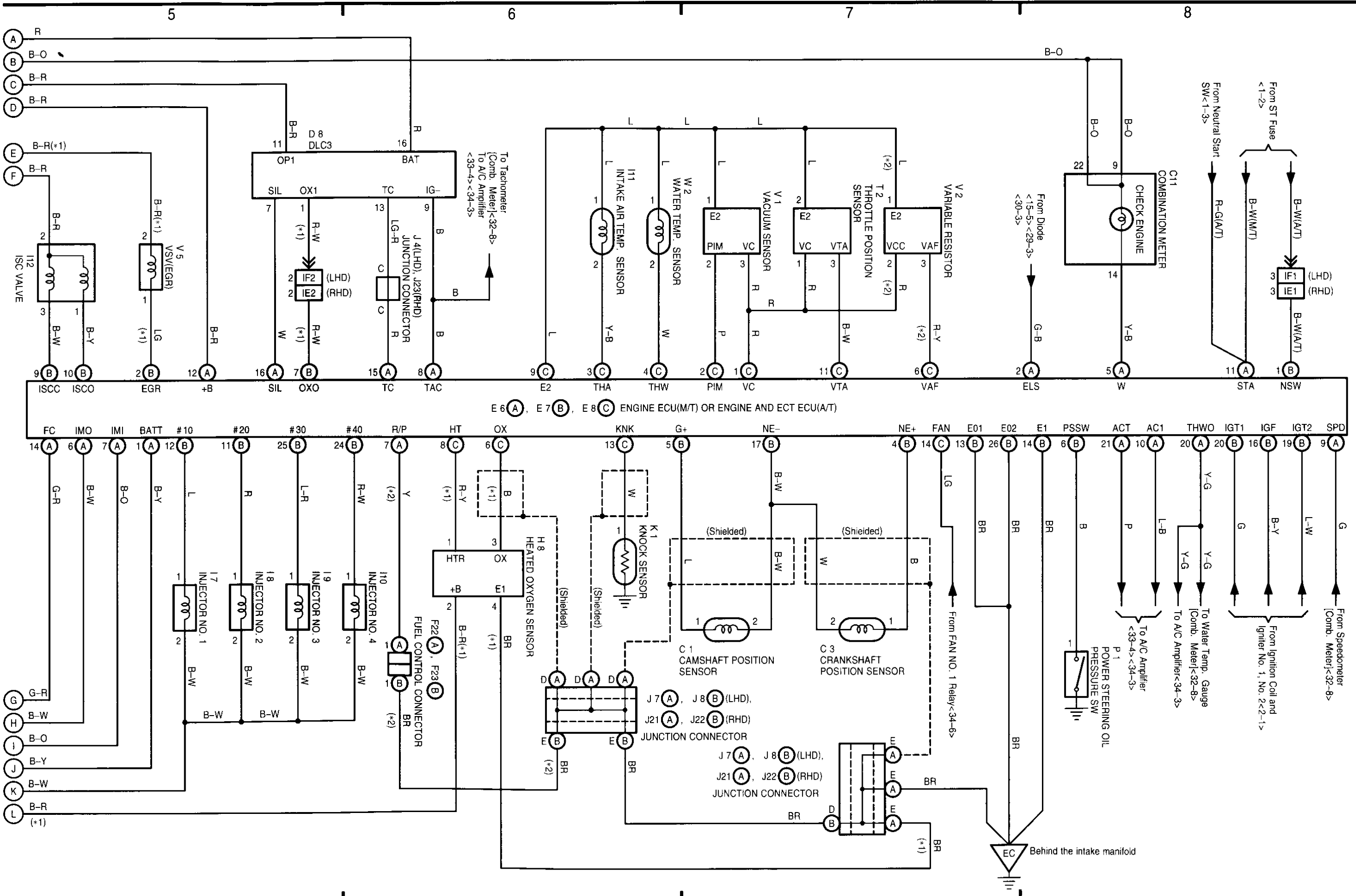
K OVERALL ELECTRICAL WIRING DIAGRAM



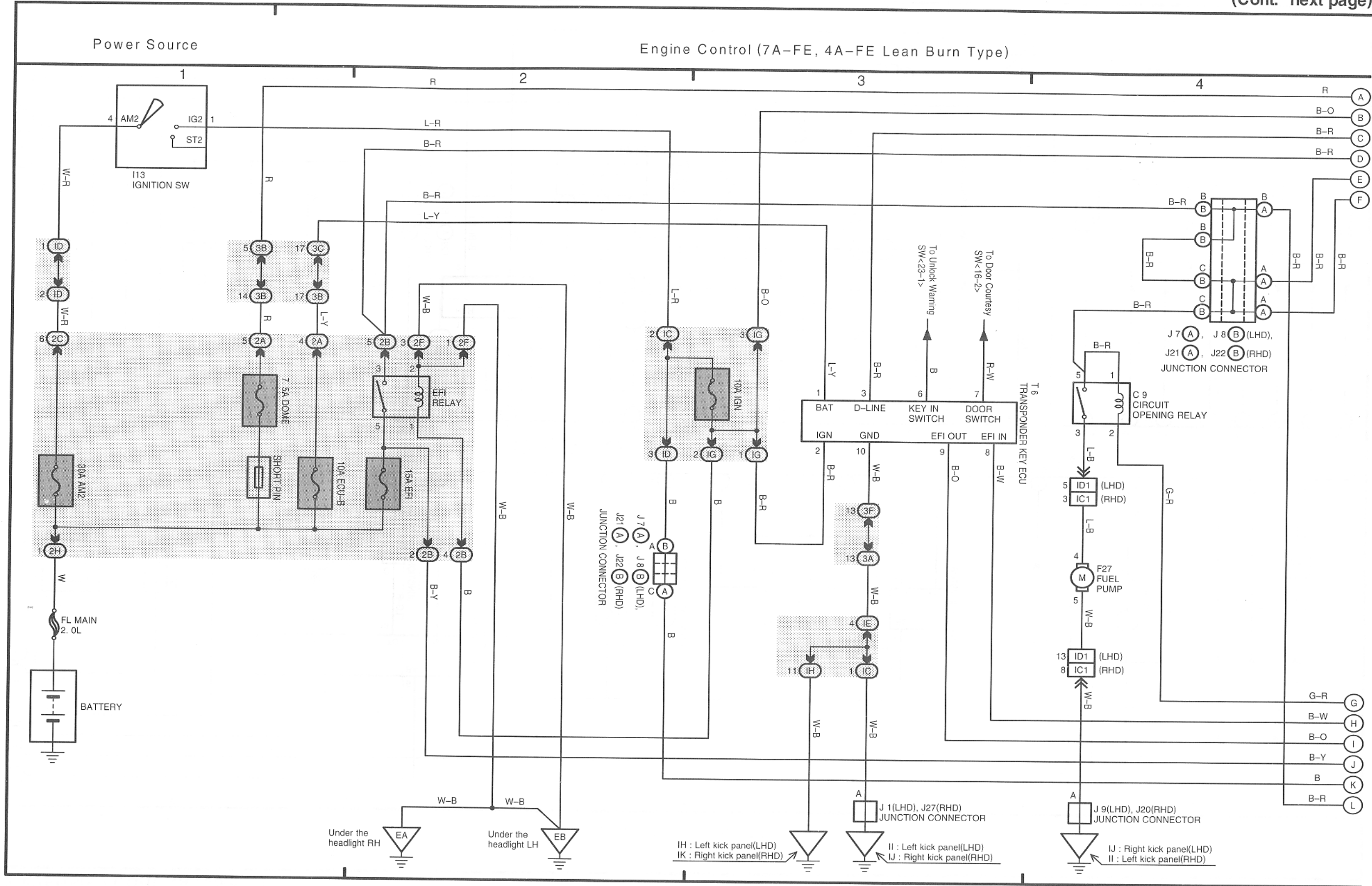


Engine Control (3S-FE)

* 1 : Europe
* 2 : General

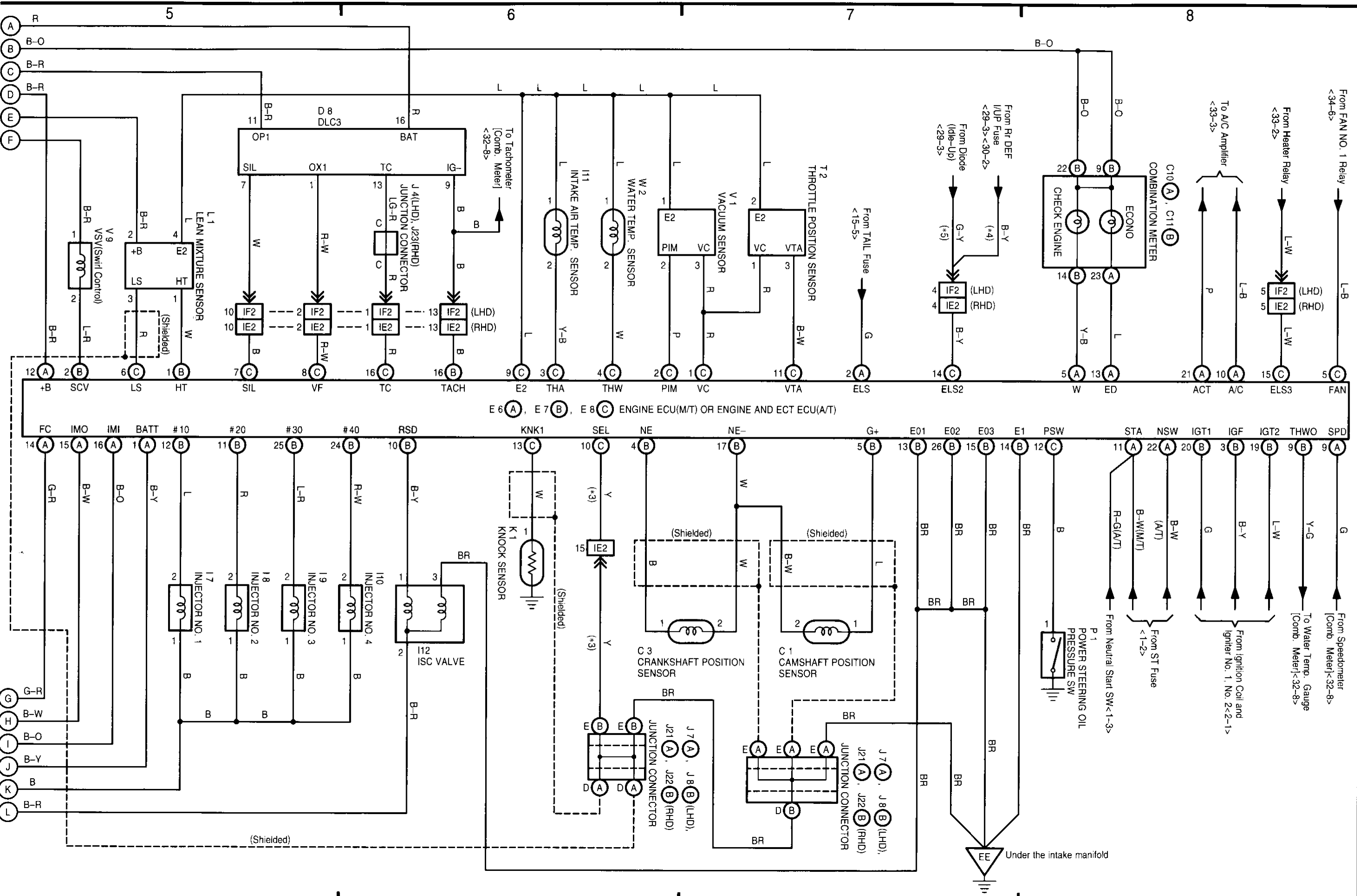


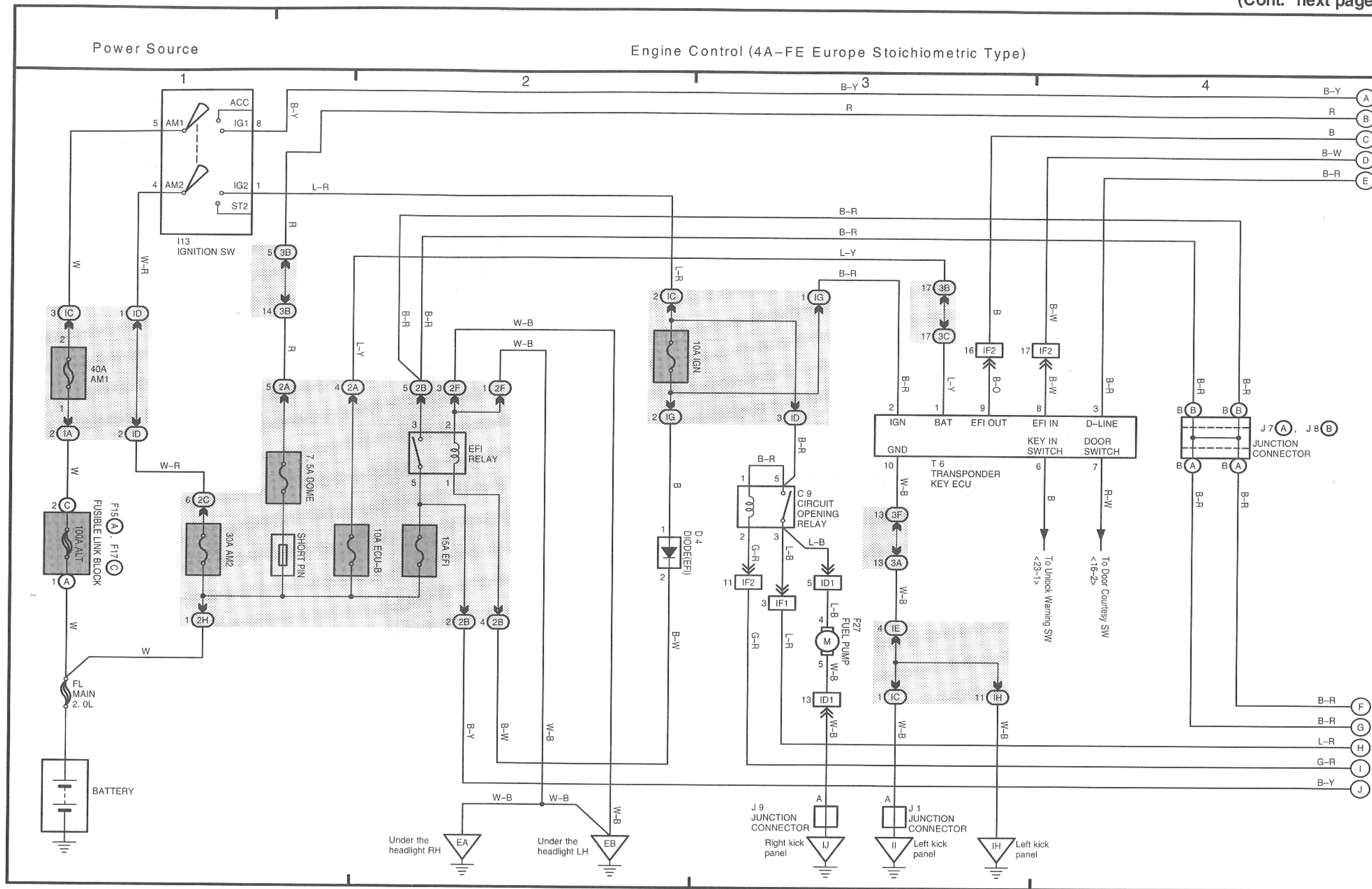
K OVERALL ELECTRICAL WIRING DIAGRAM



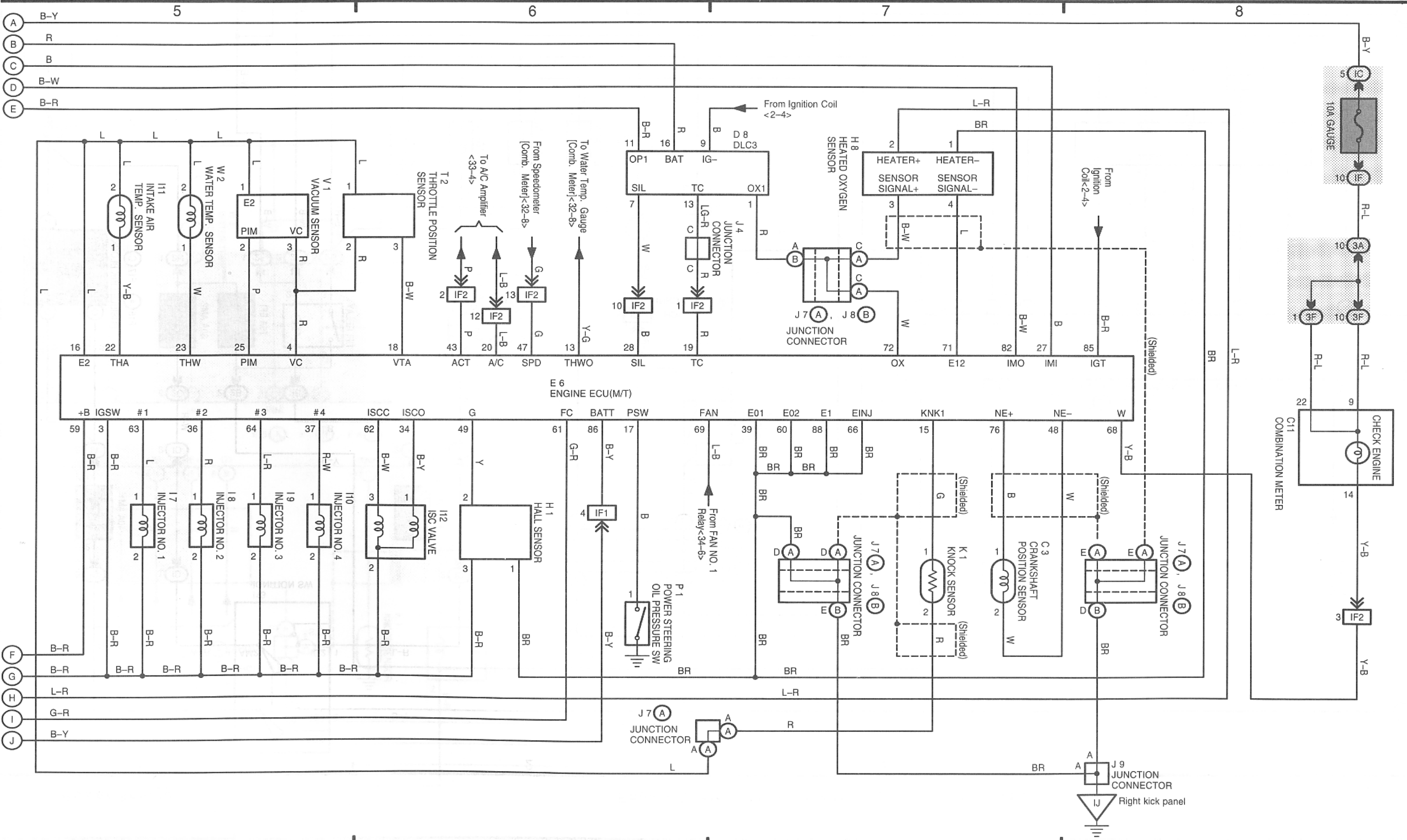
Engine Control (7A-FE, 4A-FE Lean Burn Type)

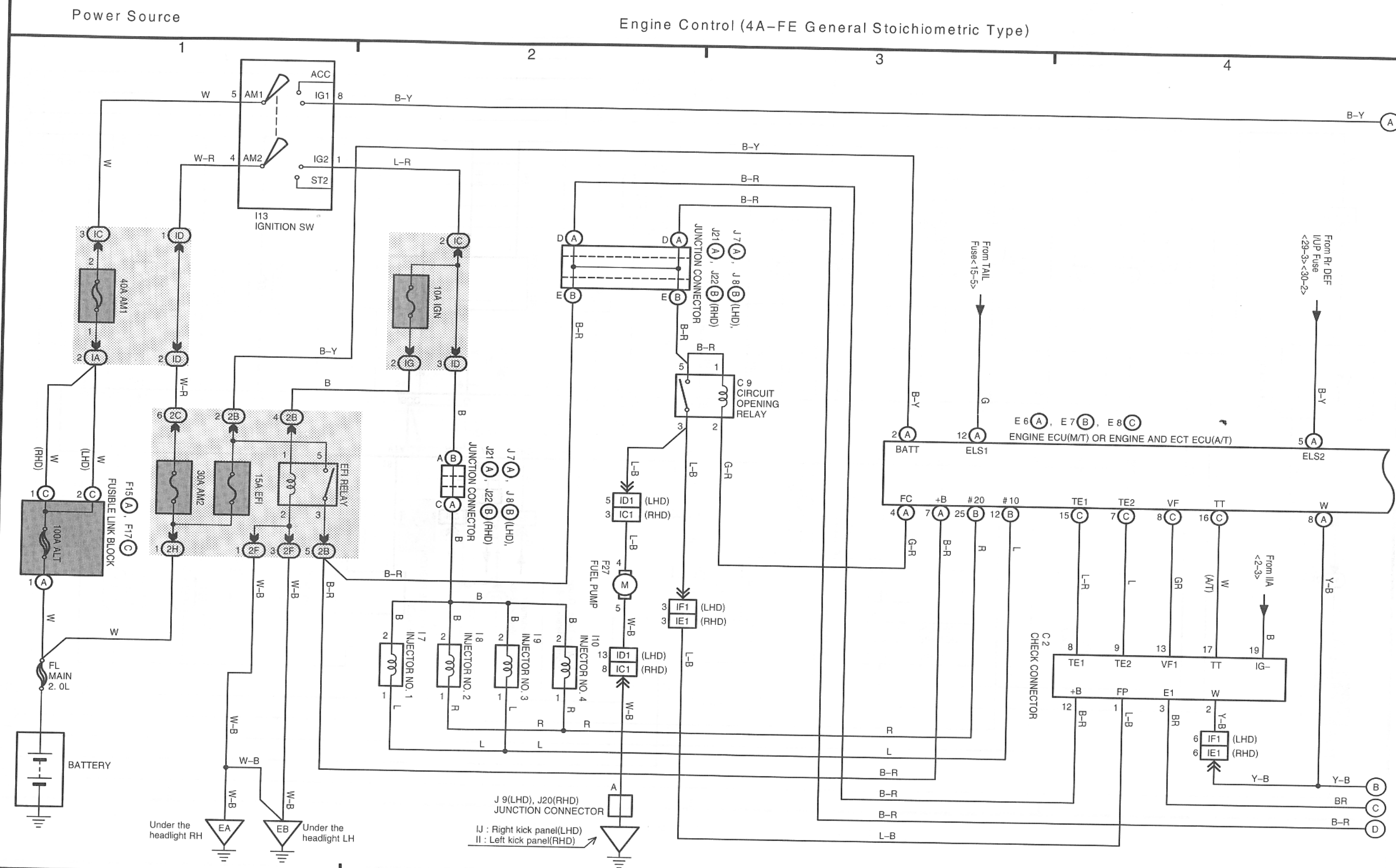
- * 3 : RHD A/T
- * 4 : w/o Front Window Deicer
- * 5 : w/ Front Window Deicer



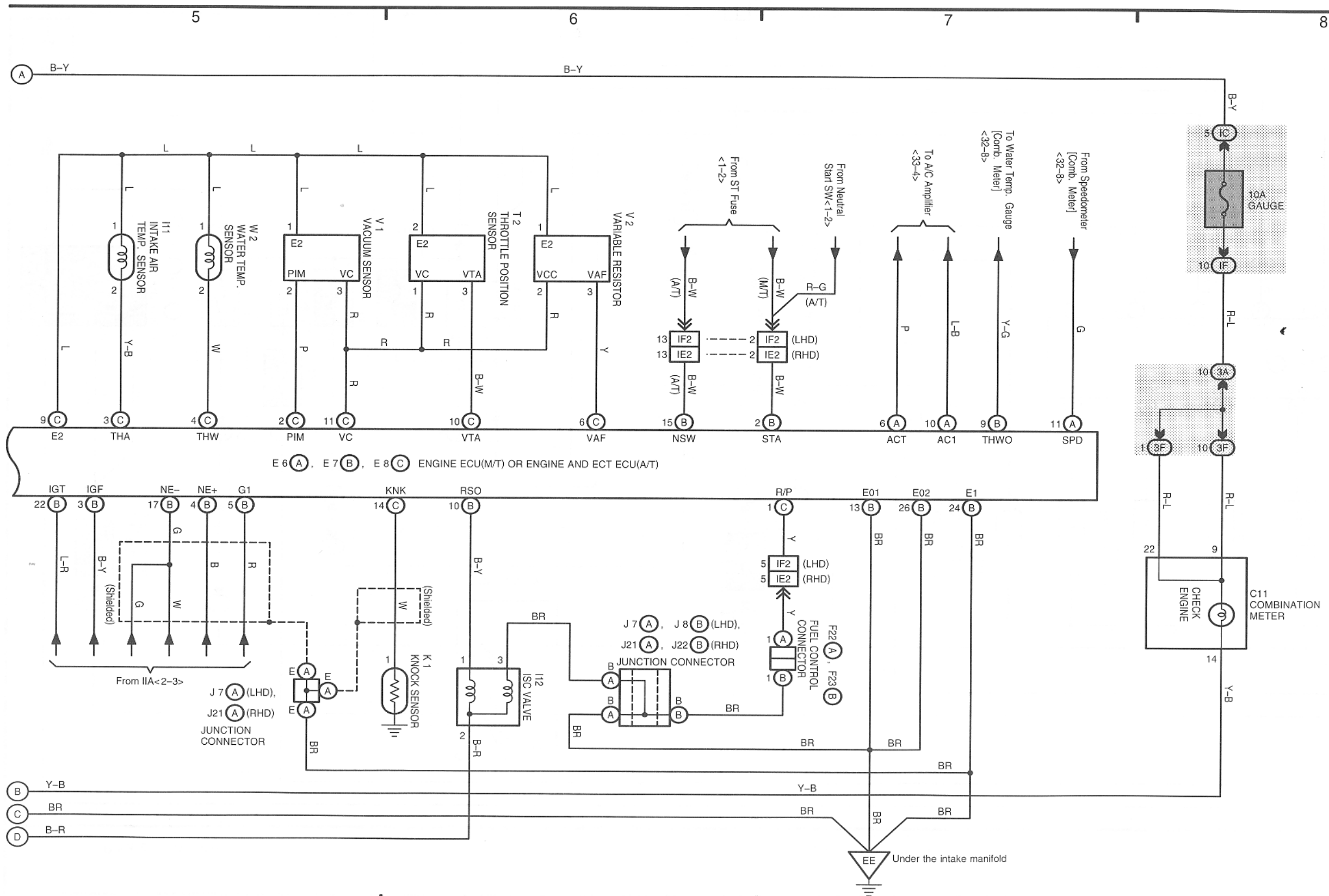


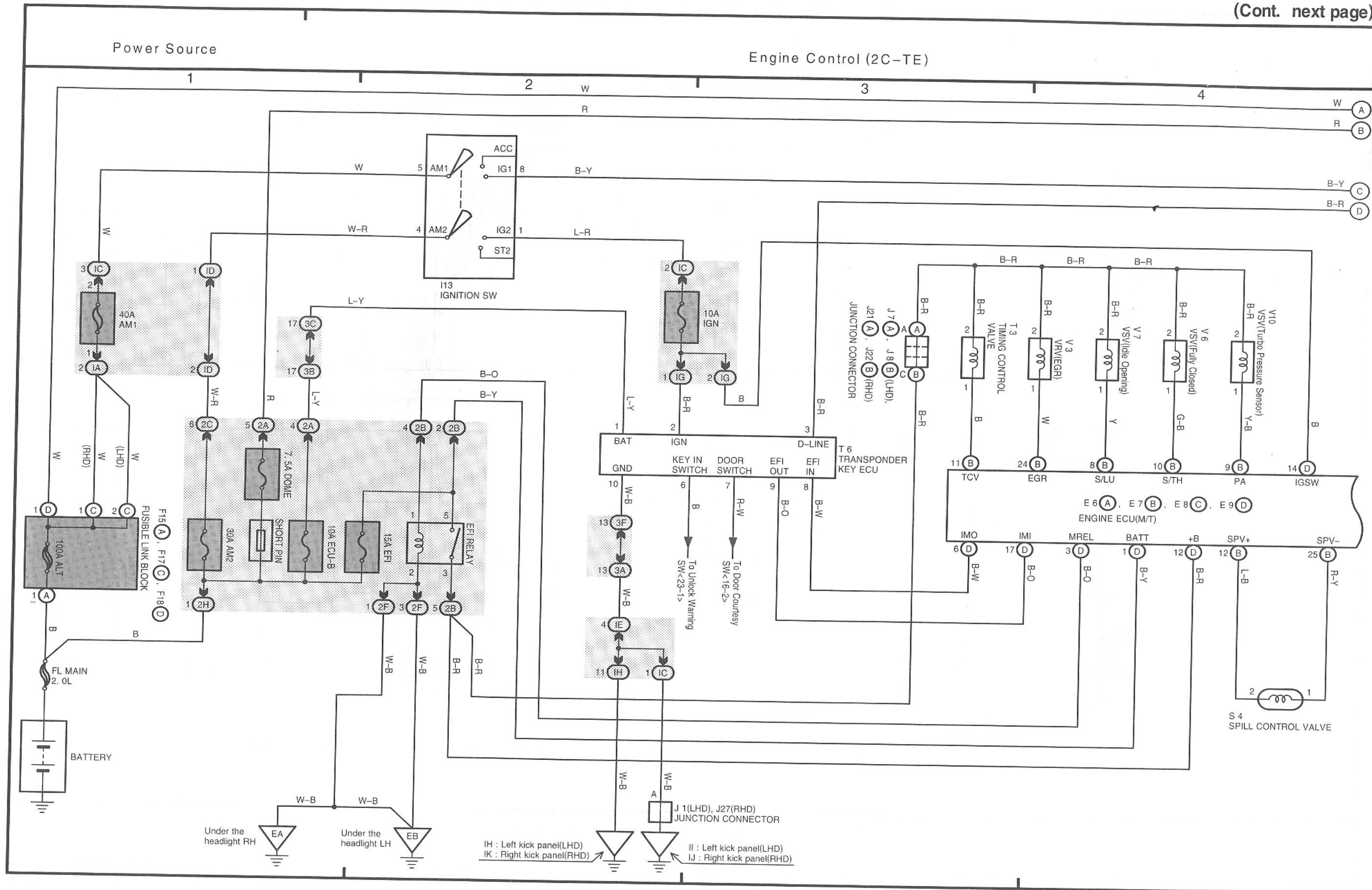
Engine Control (4A-FE Europe Stoichiometric Type)



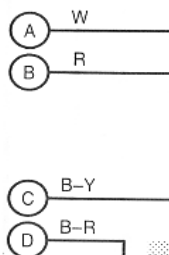


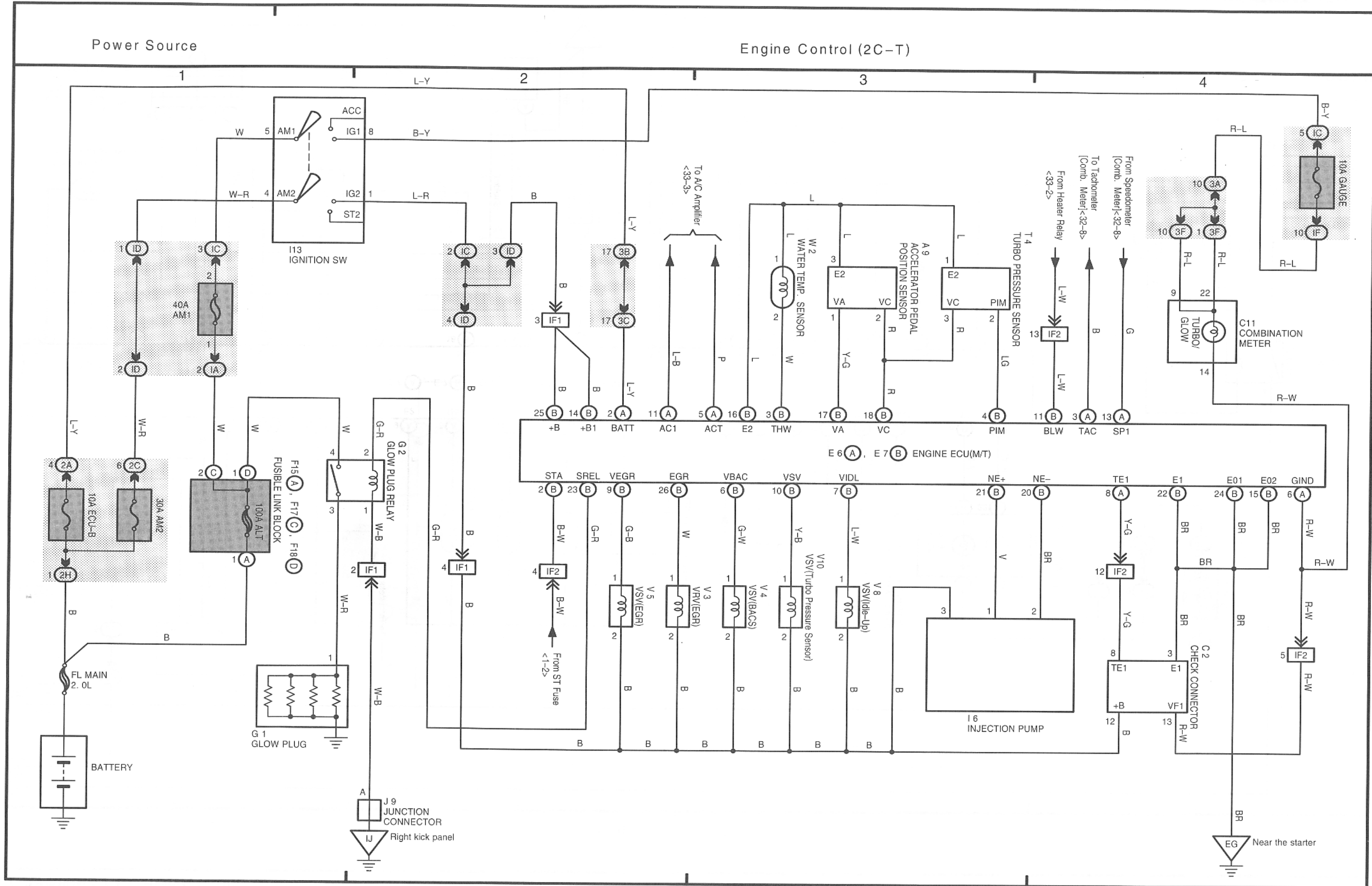
Engine Control (4A-FE General Stoichiometric Type)



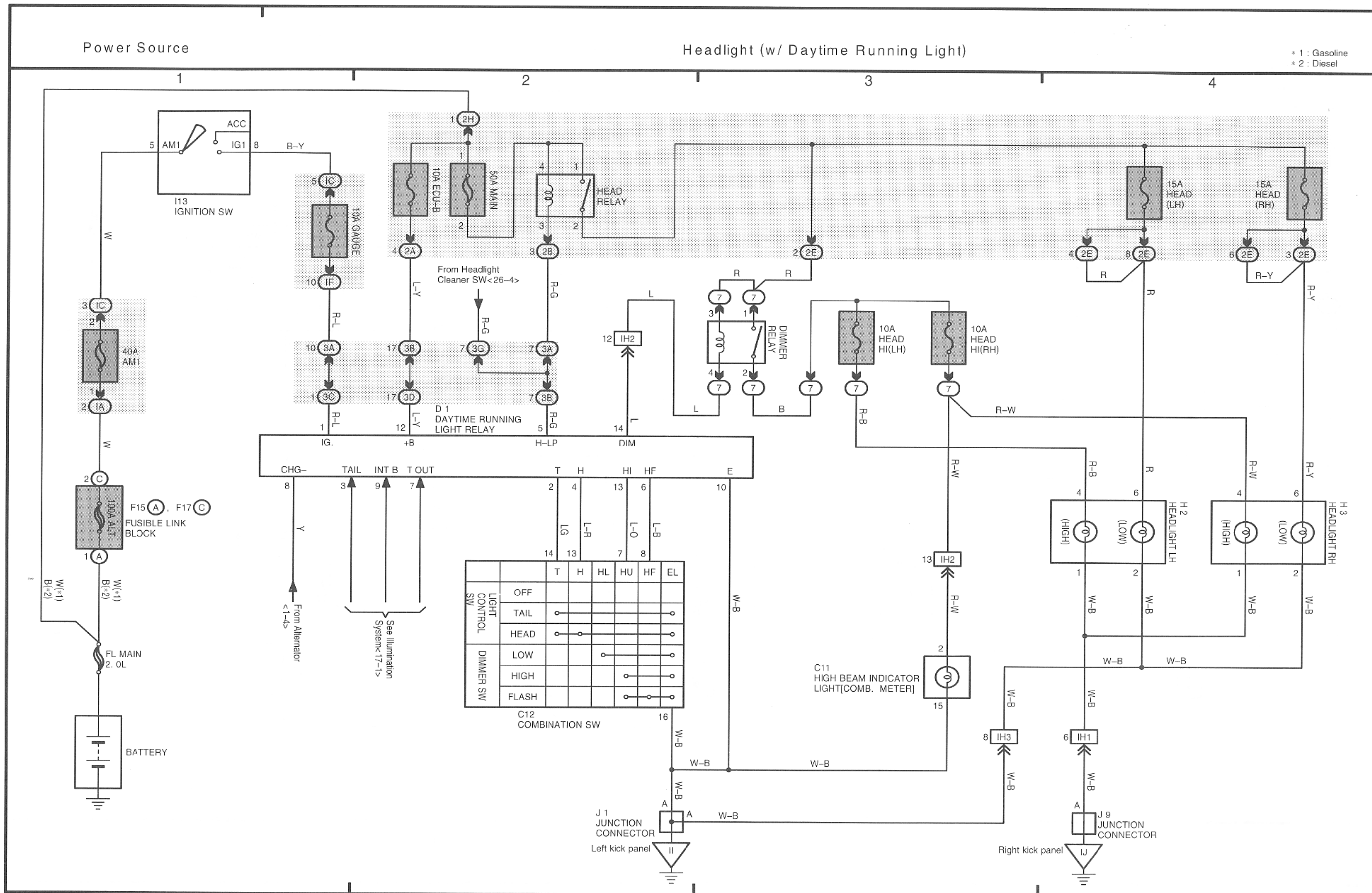


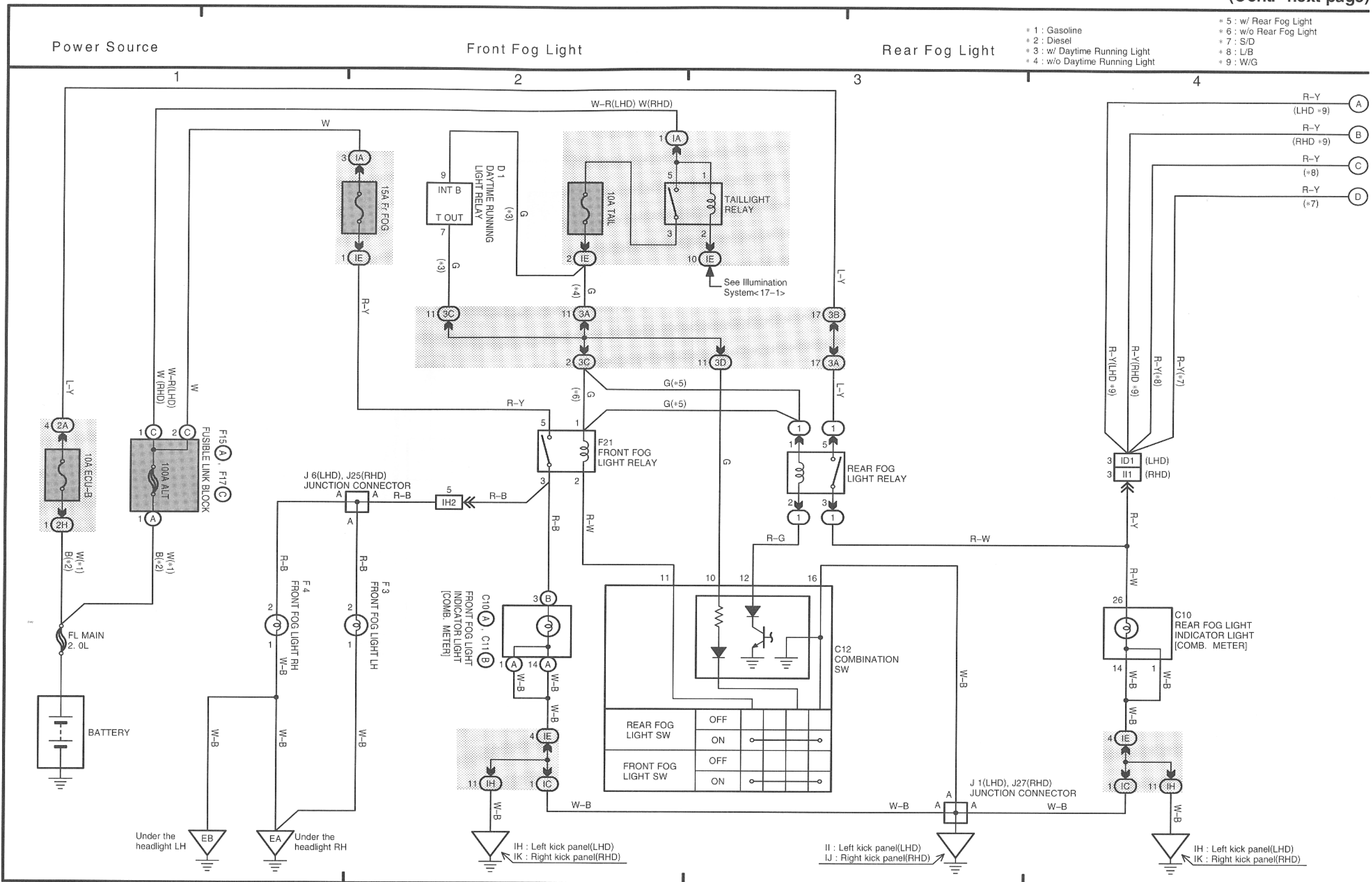
(A) W
 (B) R
 (C) B-Y
 (D) B-R



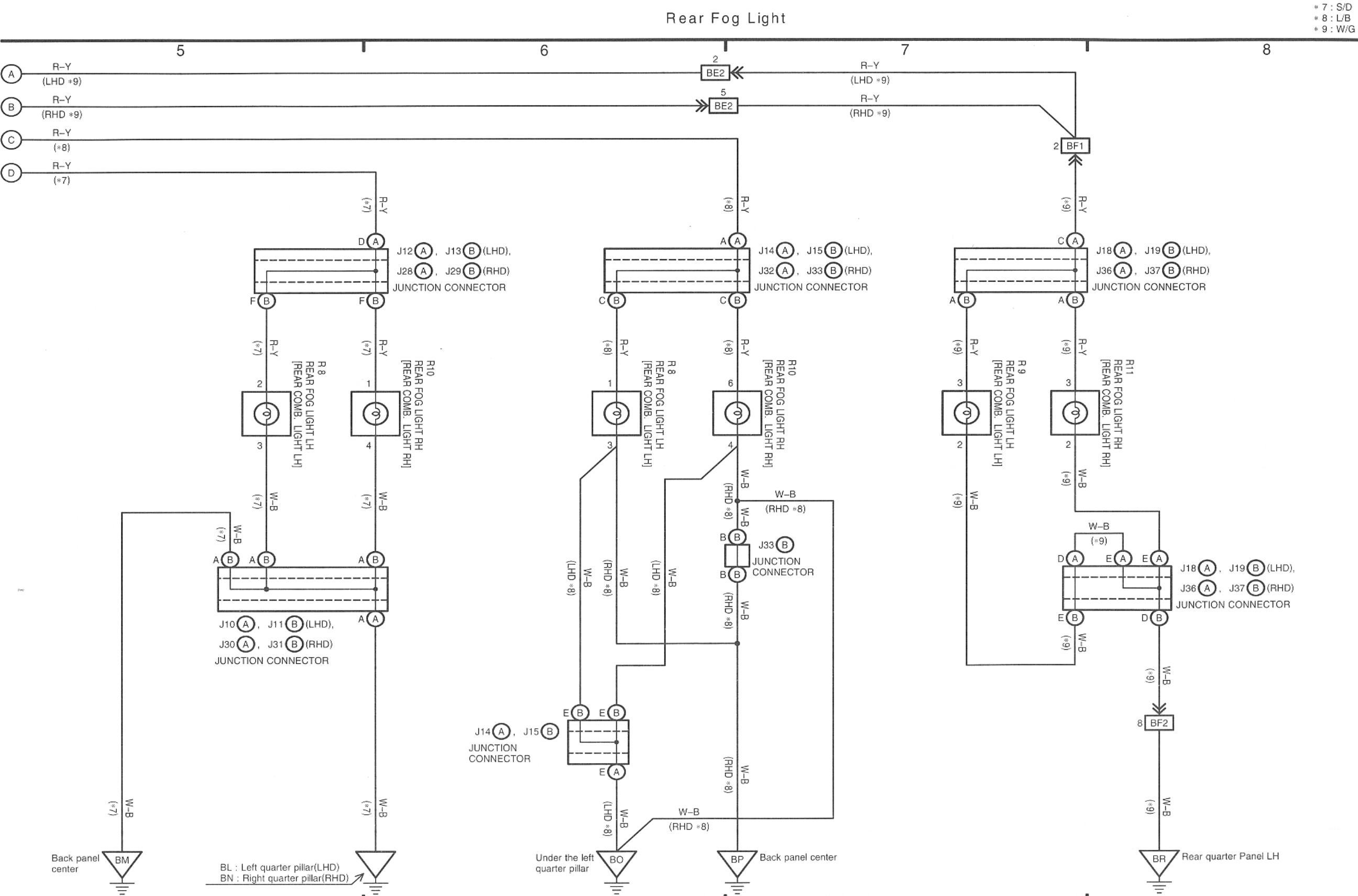


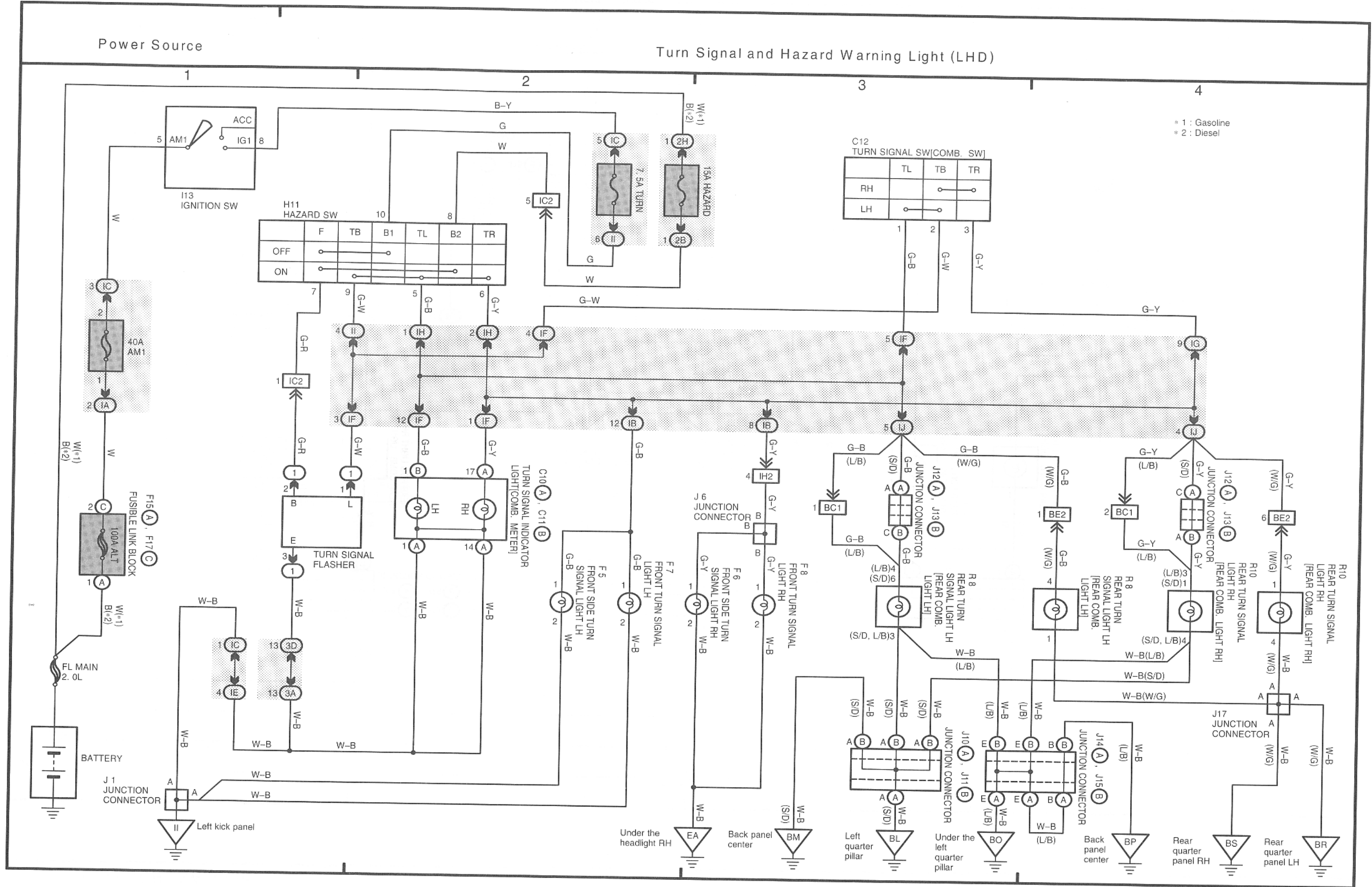
9 AVENSIS / CORONA



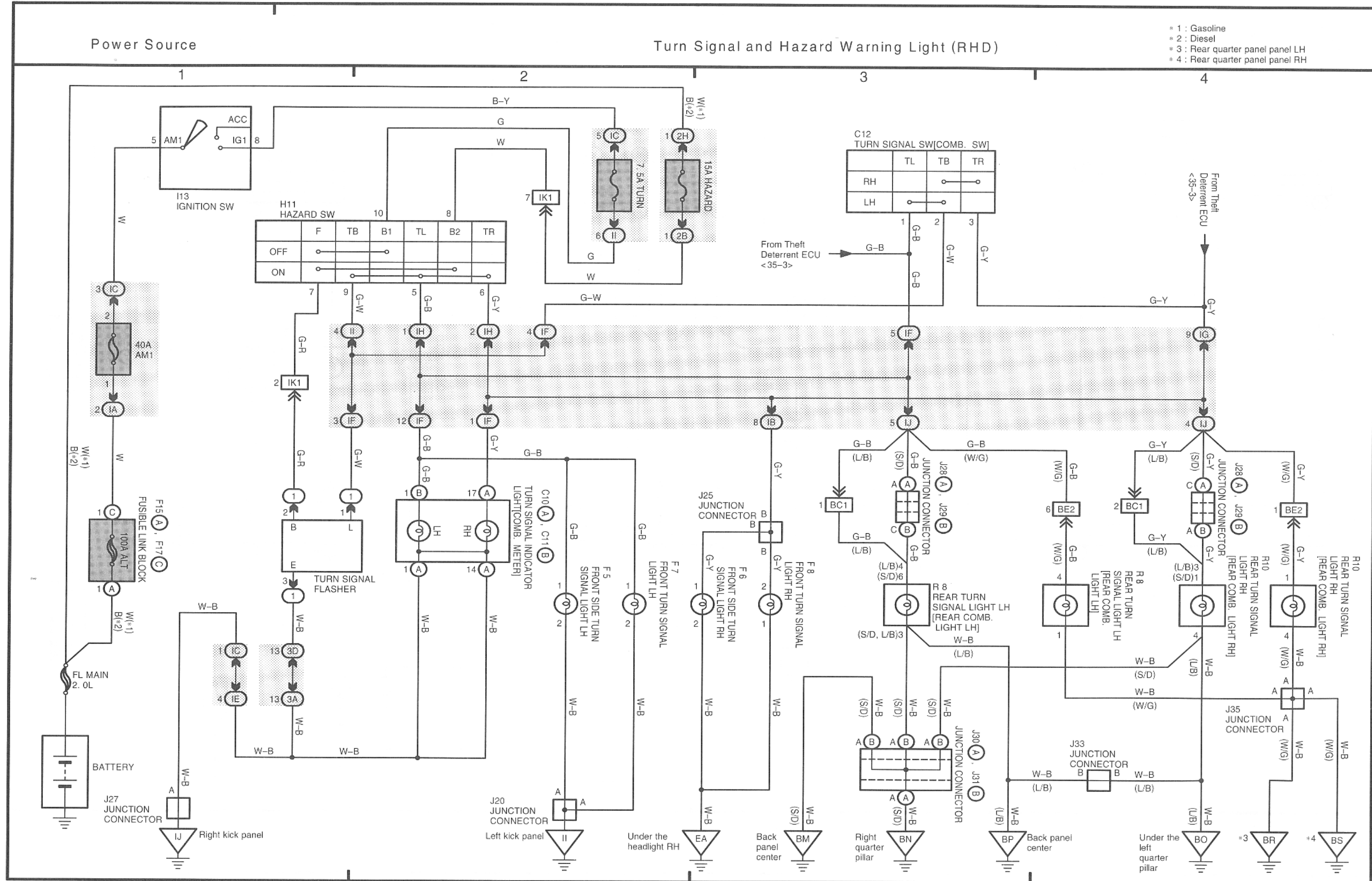


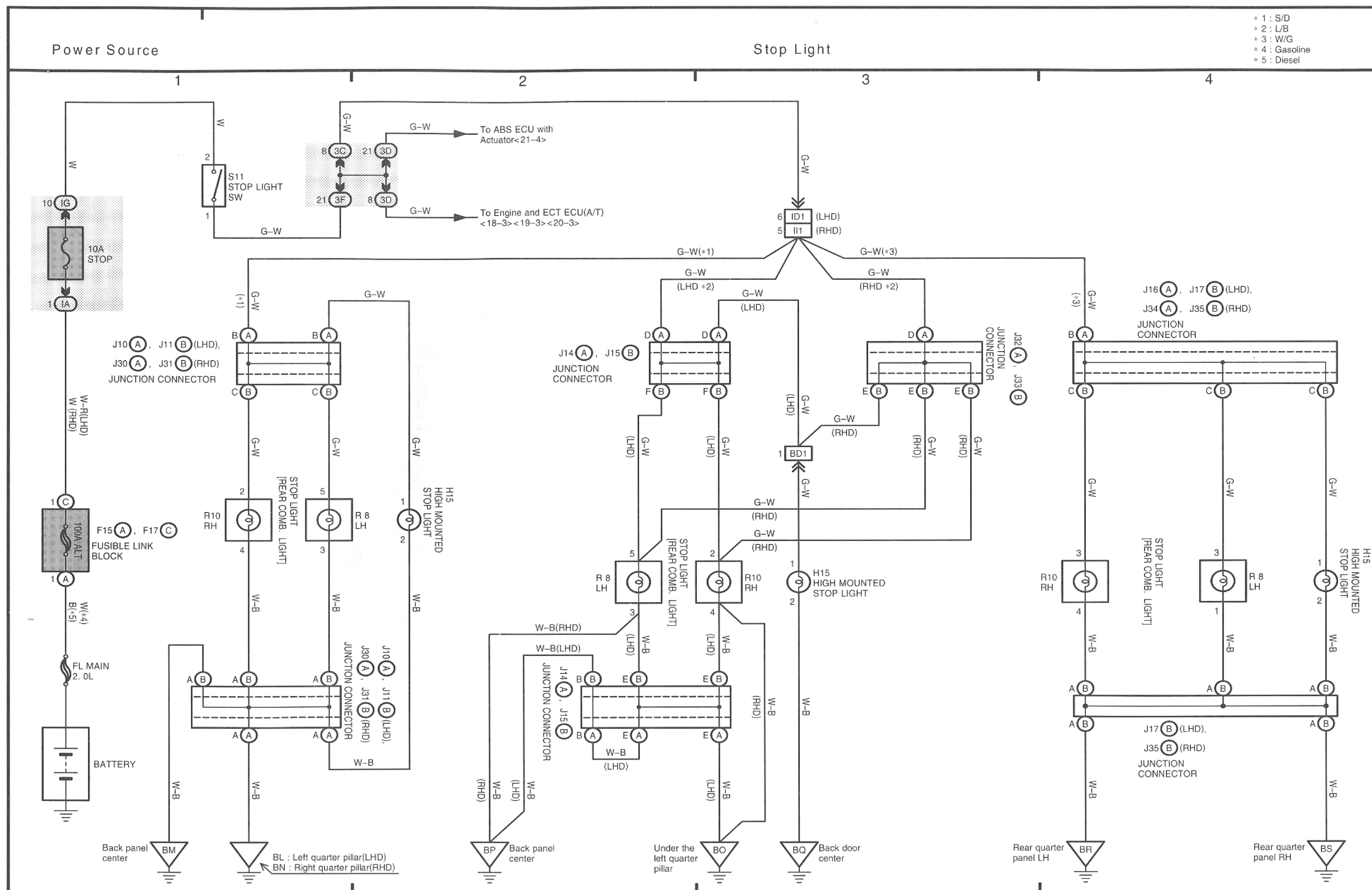
11 AVENSIS / CORONA (Cont' d)

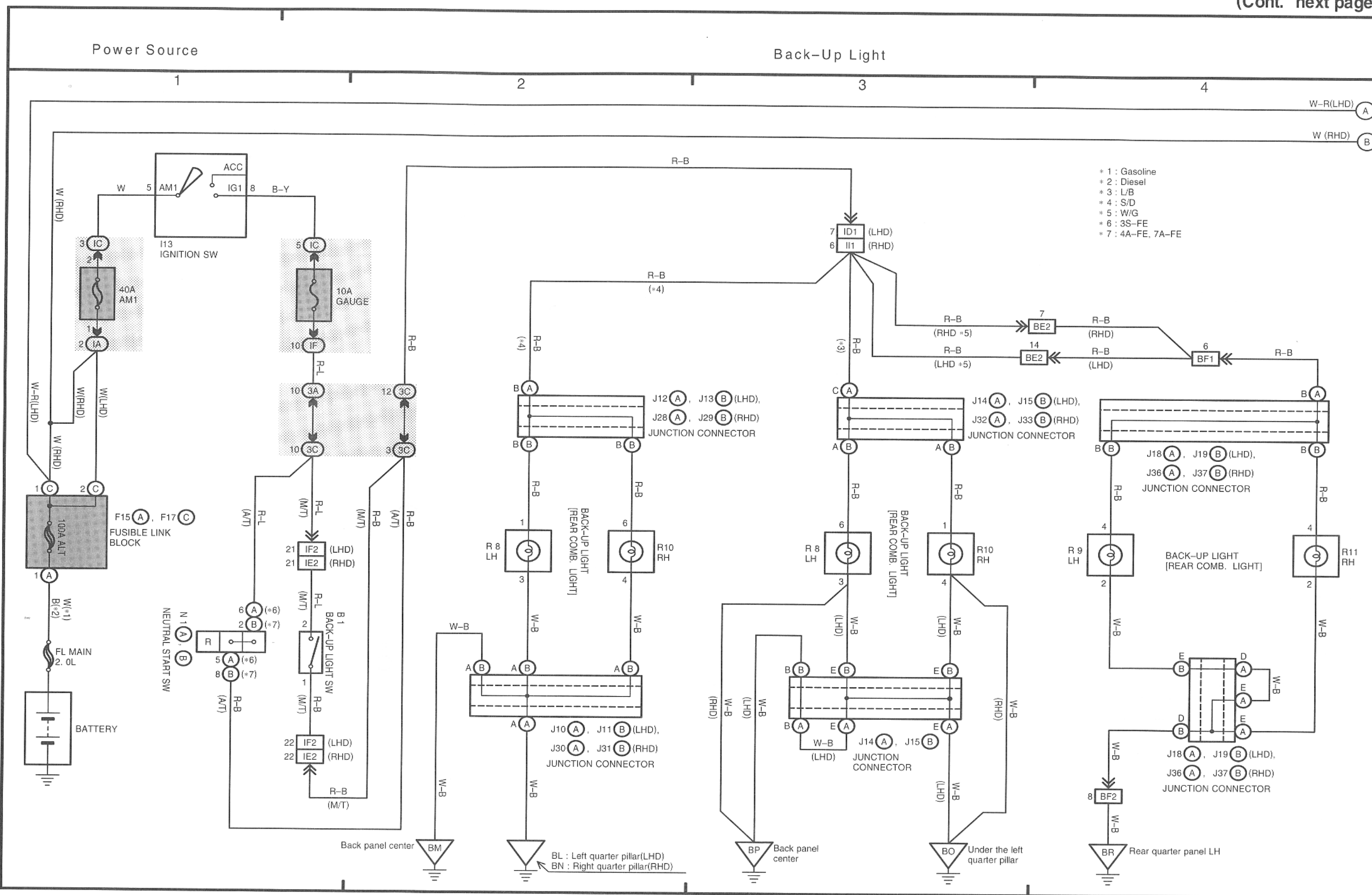


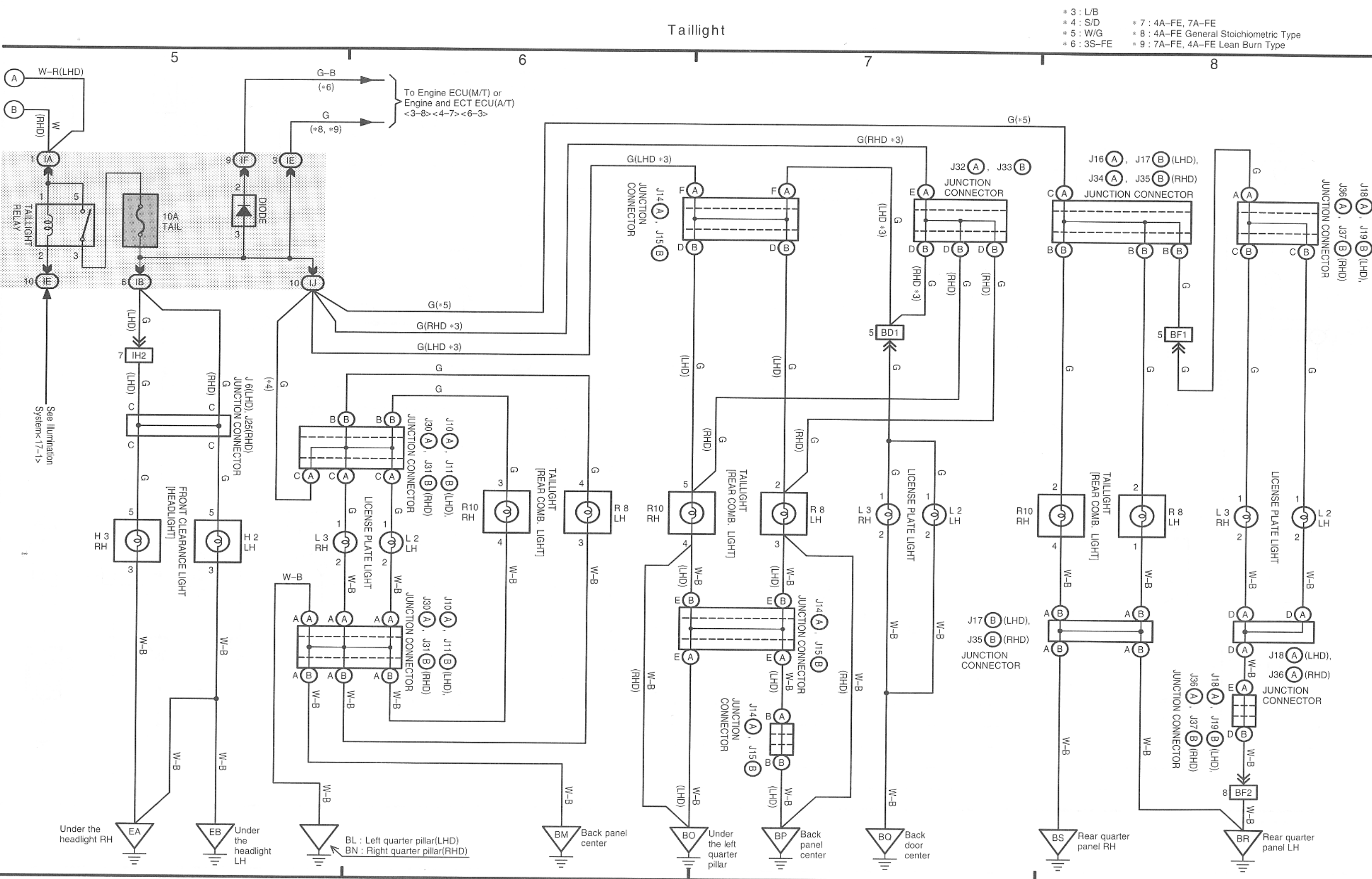


13 AVENSIS / CORONA



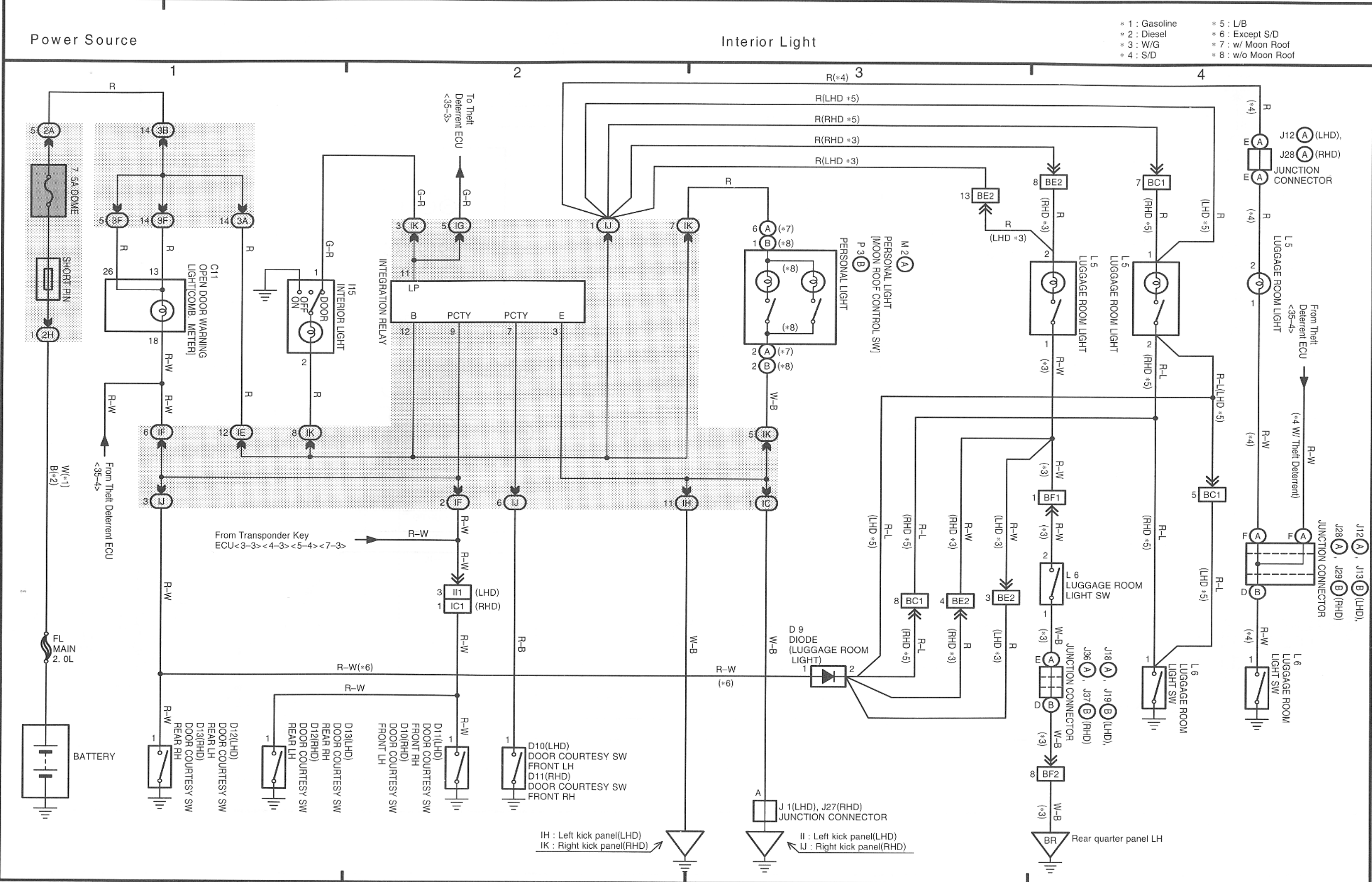




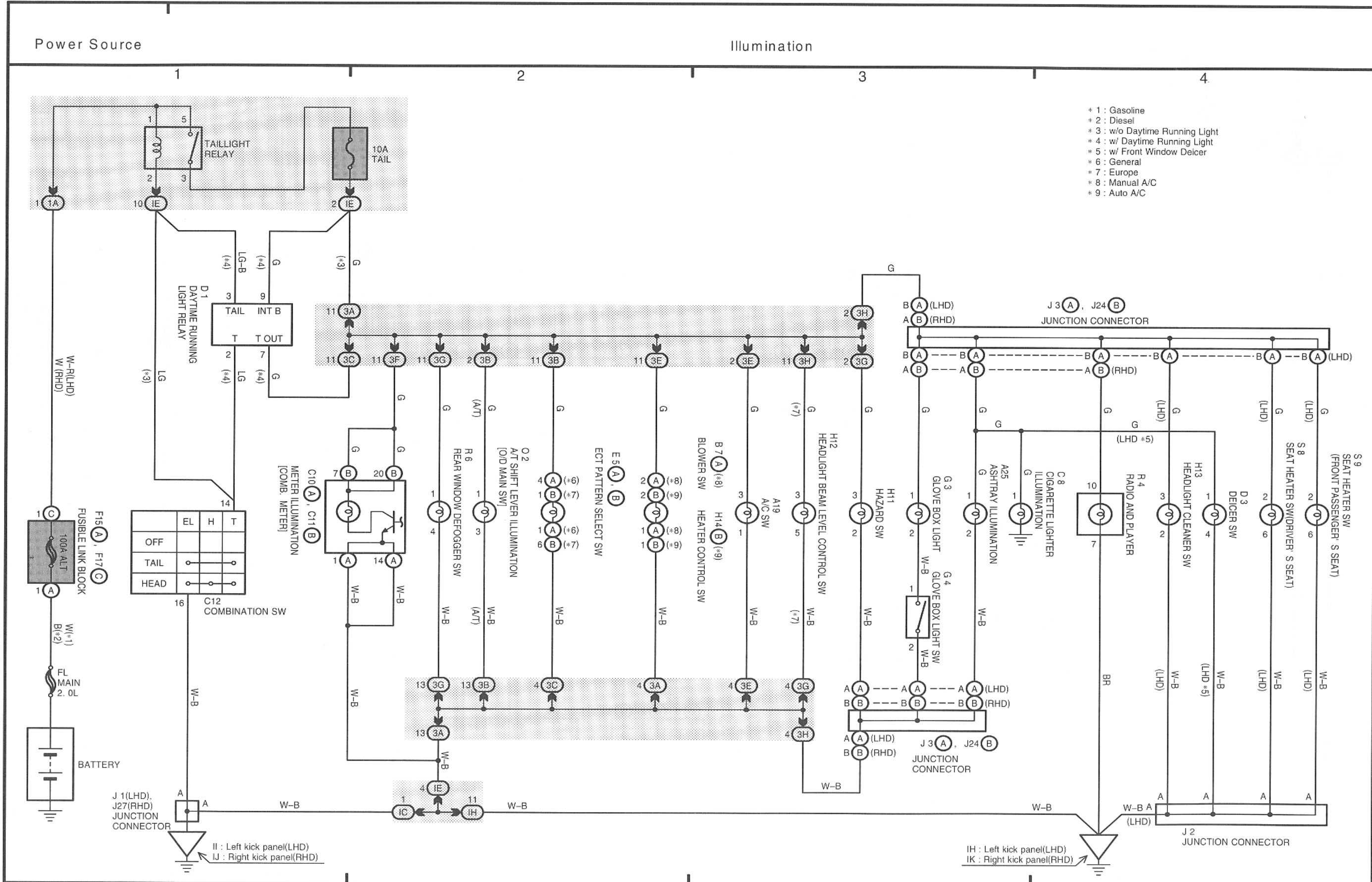


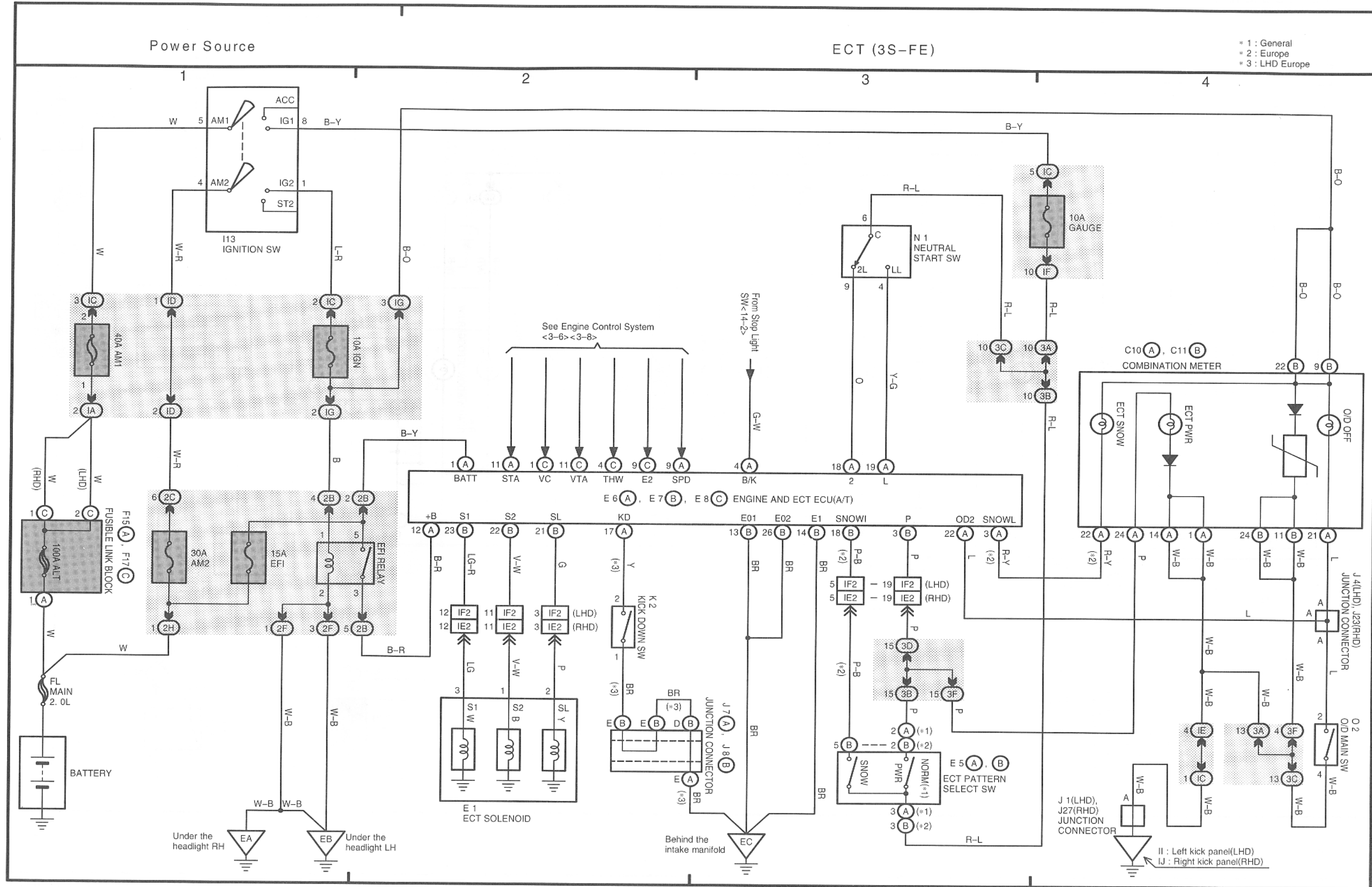
16 AVENSIS / CORONA

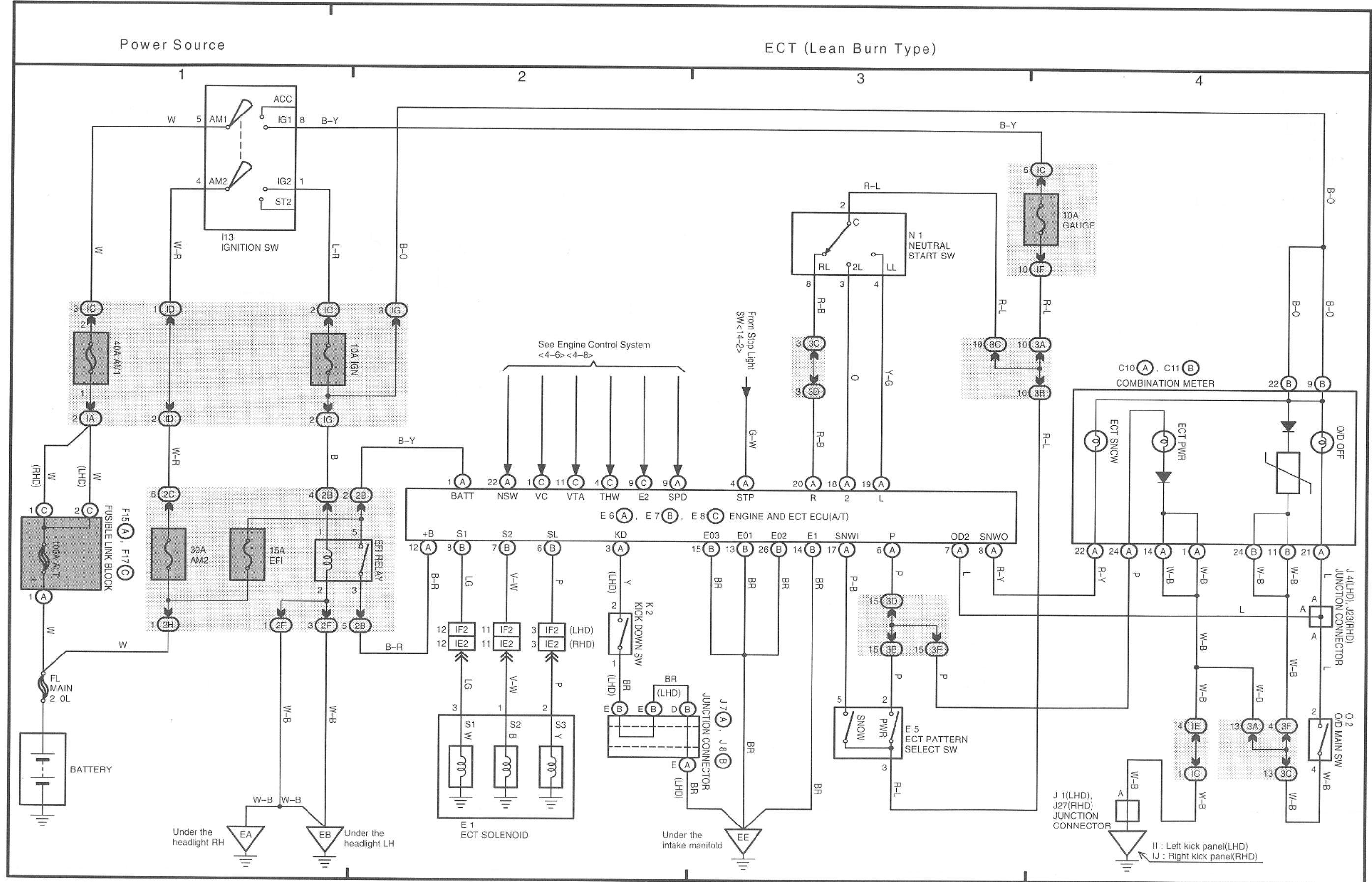
K OVERALL ELECTRICAL WIRING DIAGRAM

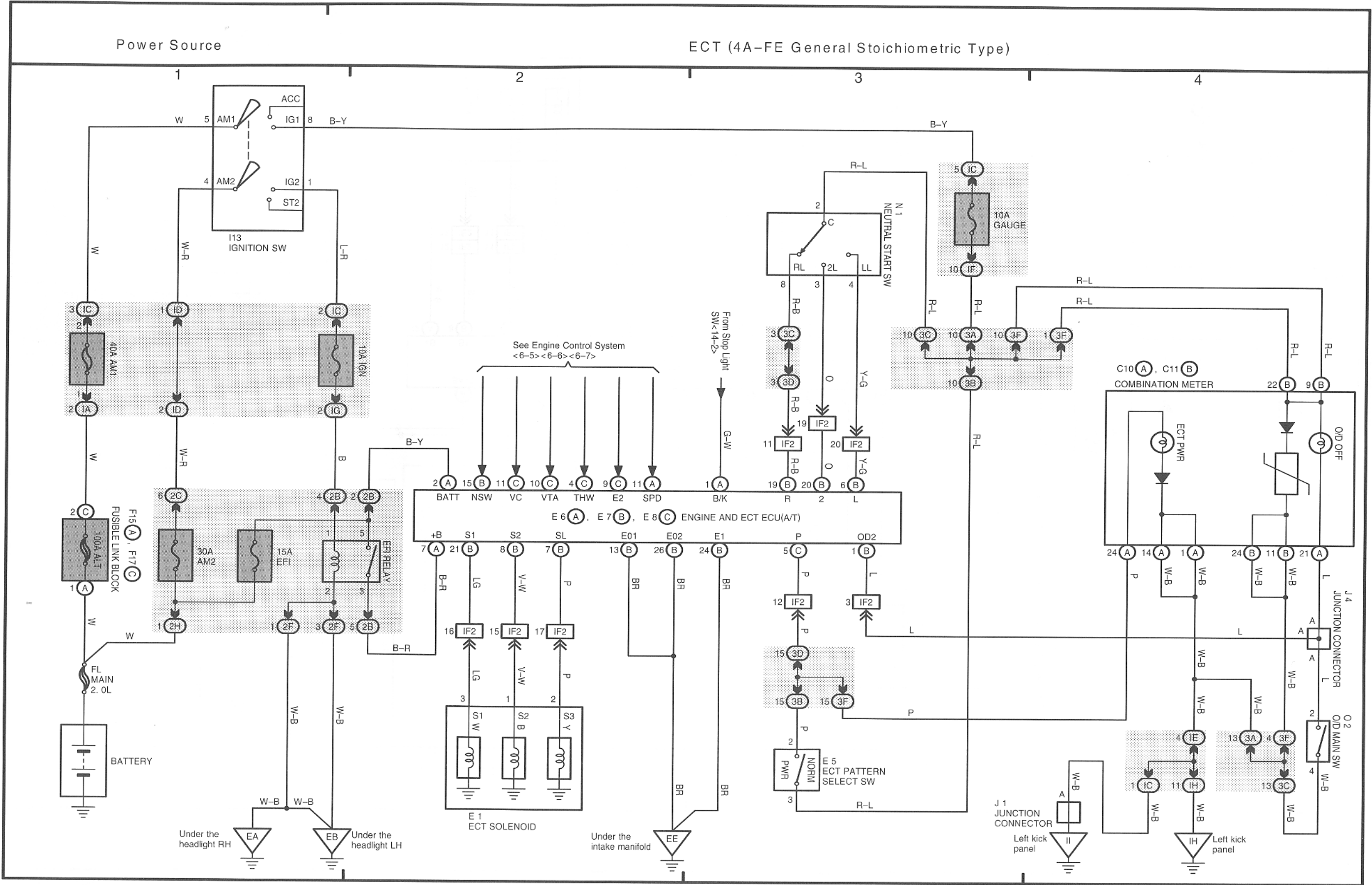


17 AVENSIS / CORONA

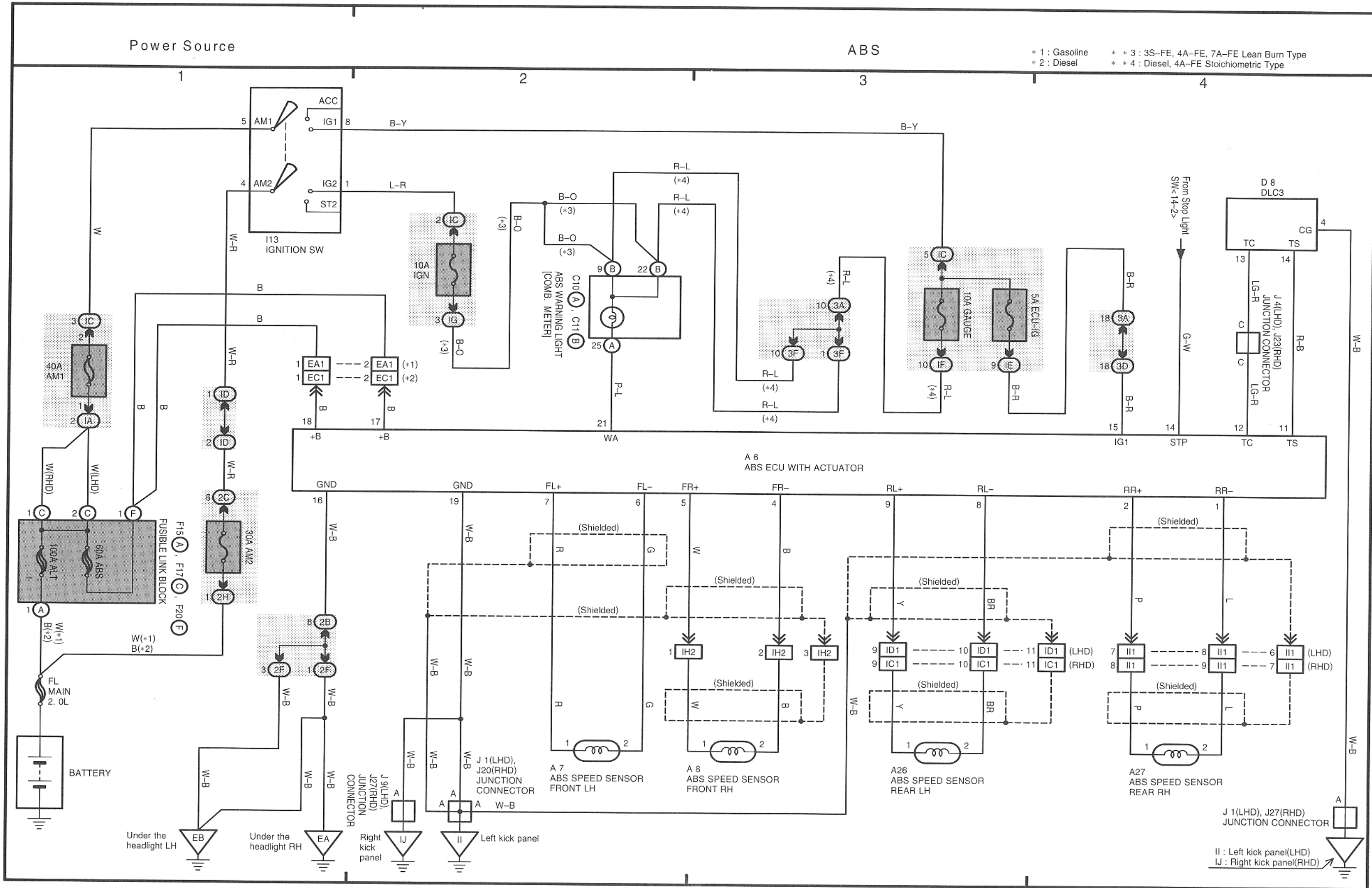


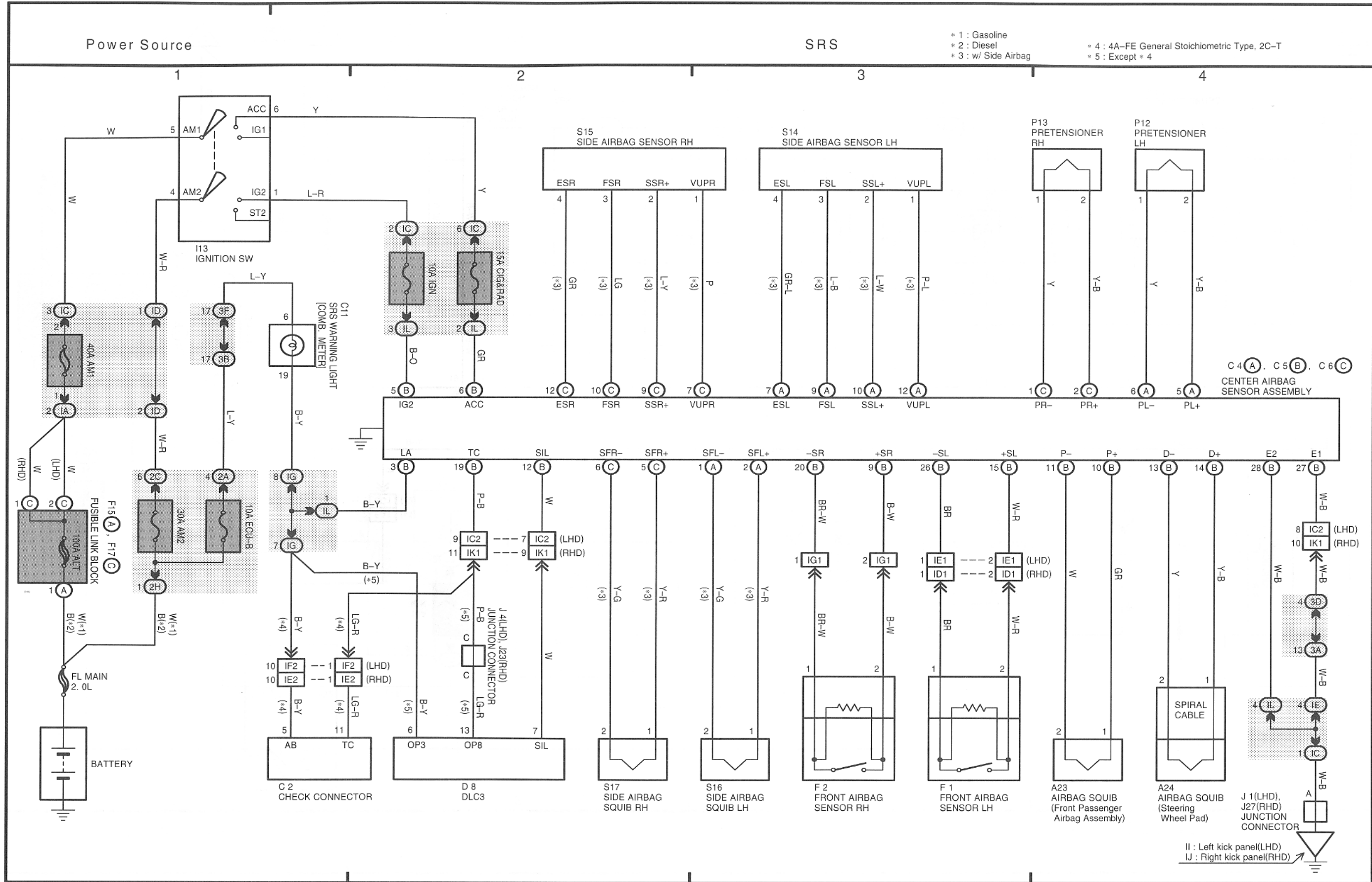


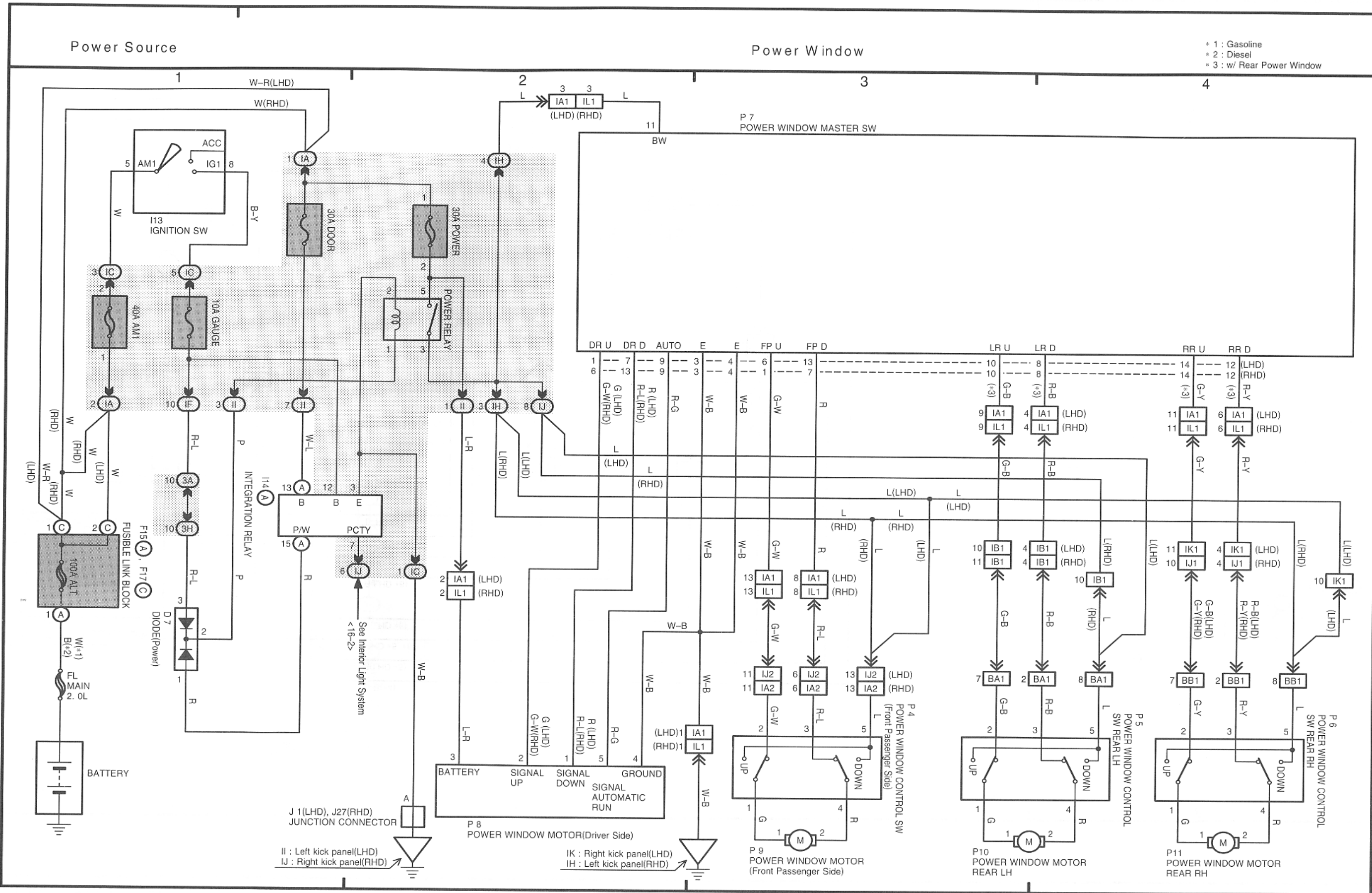


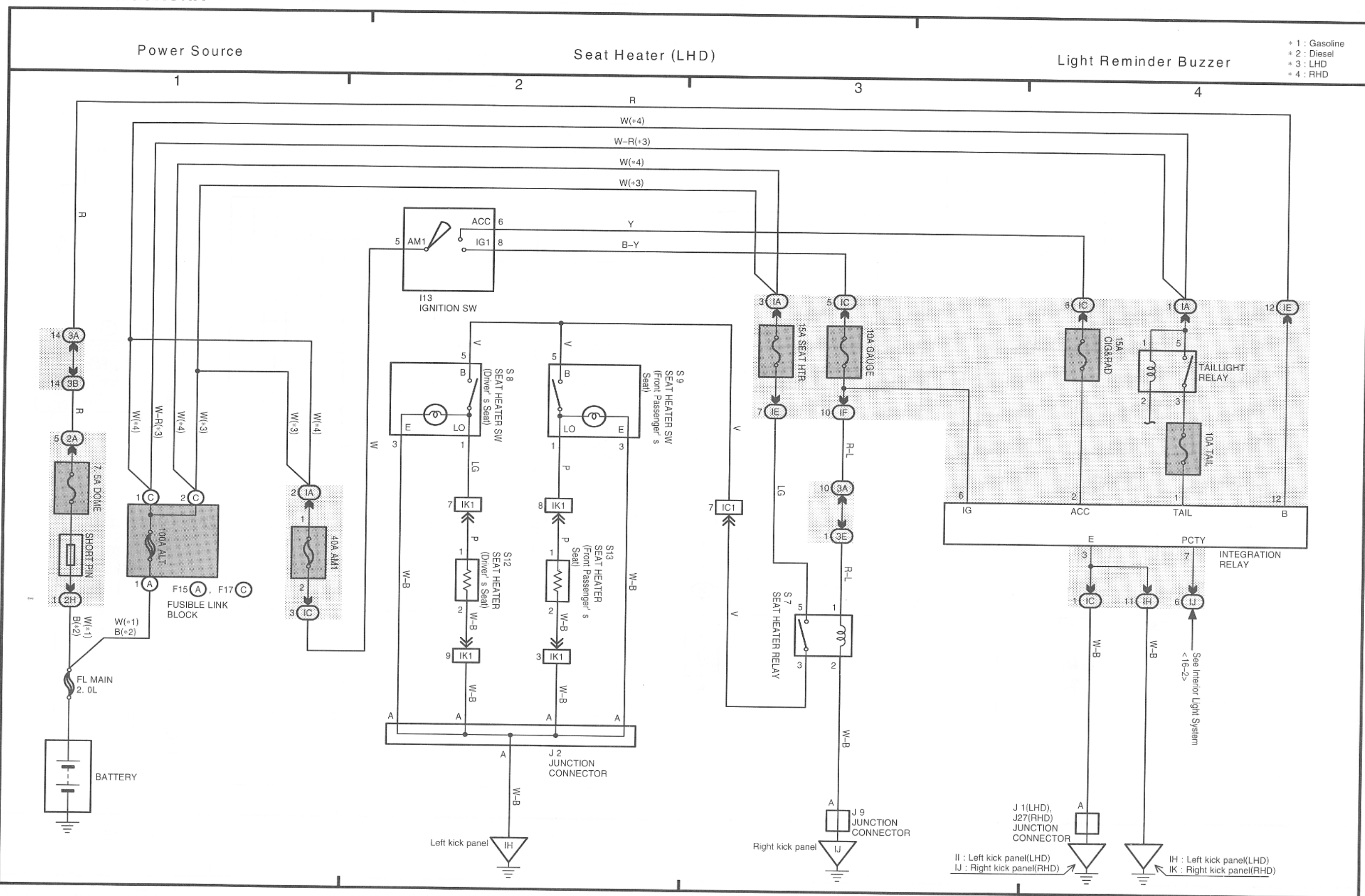


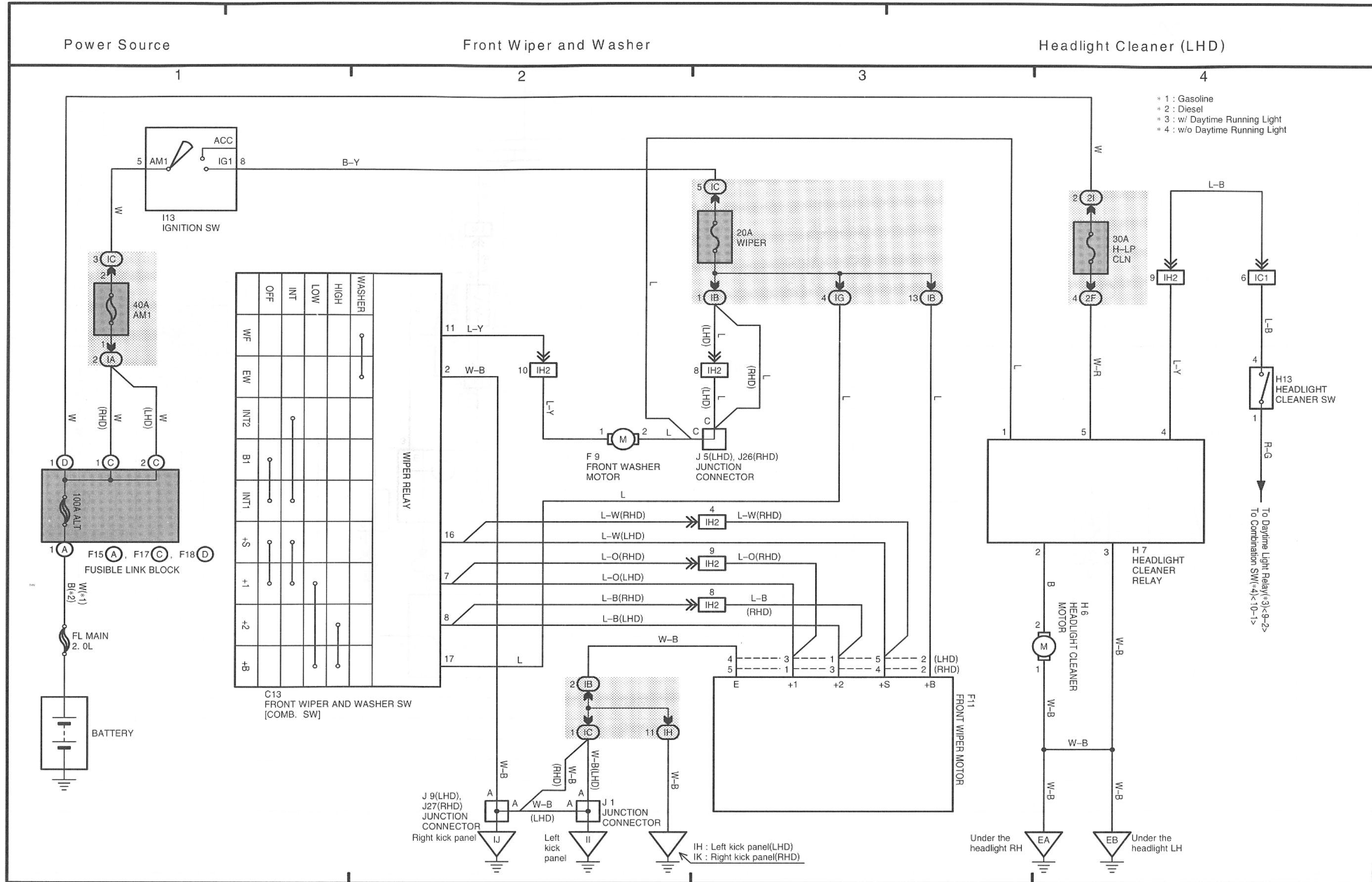
21 AVENSIS / CORONA



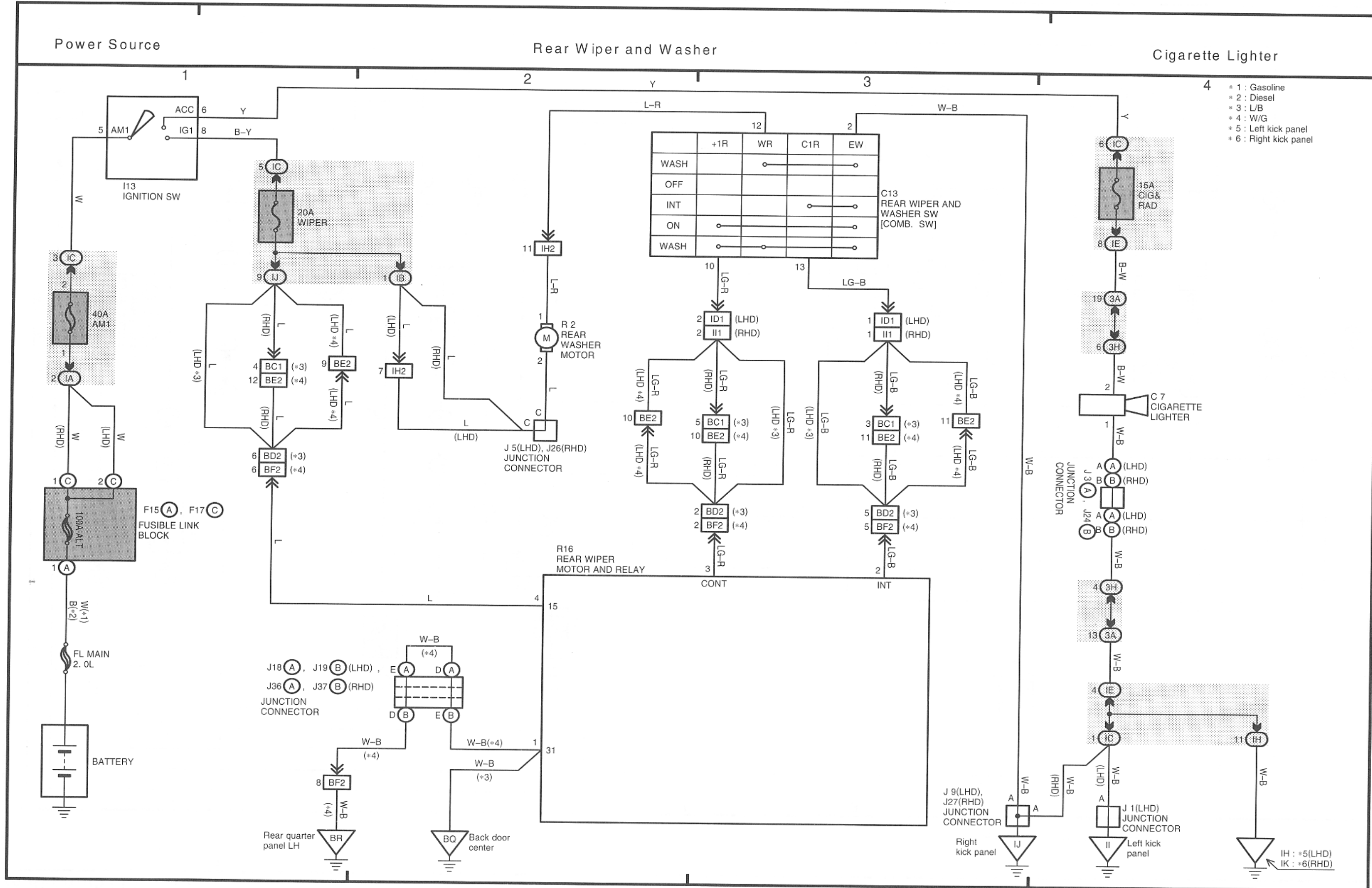


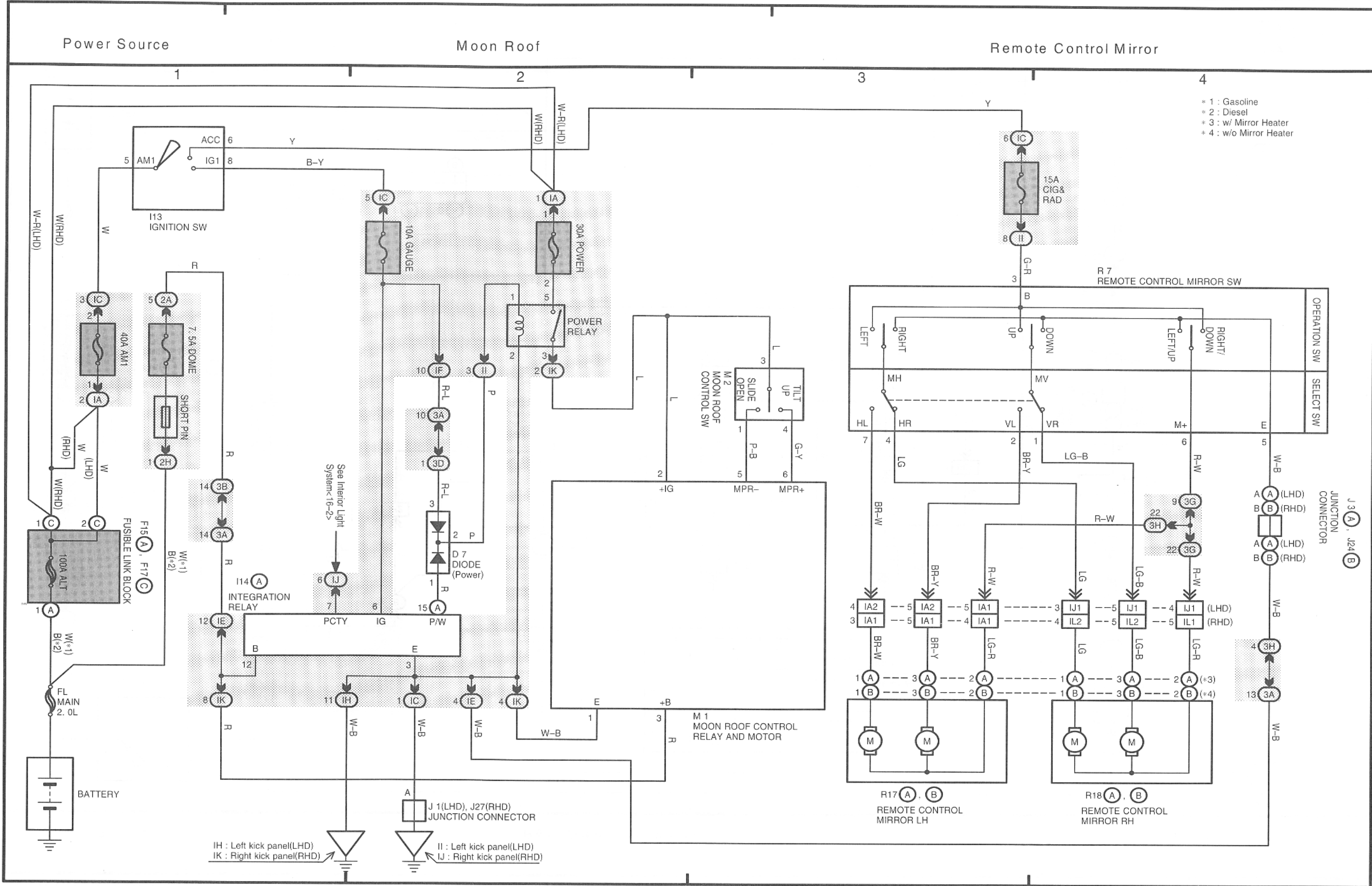


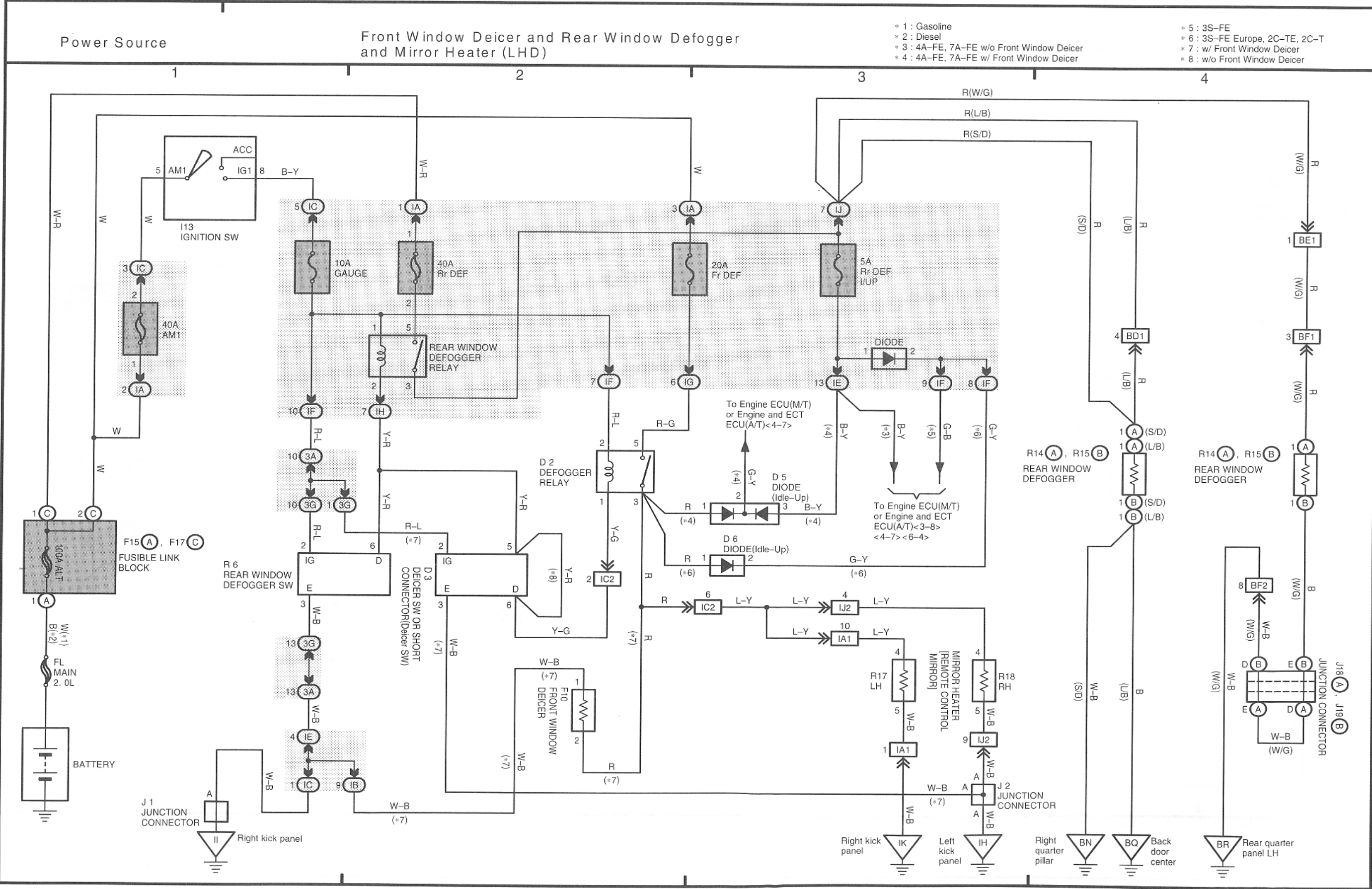




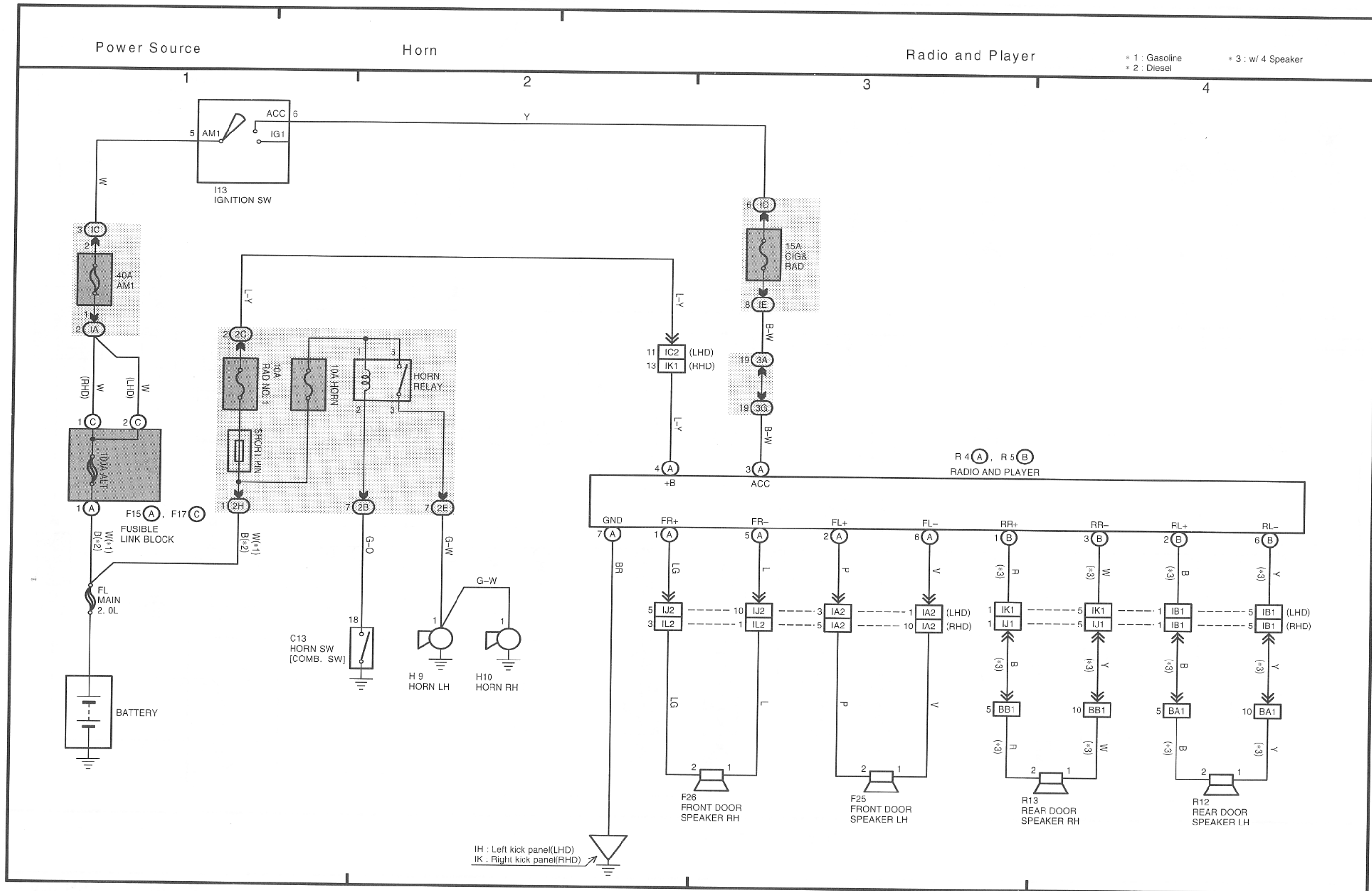
27 AVENSIS / CORONA

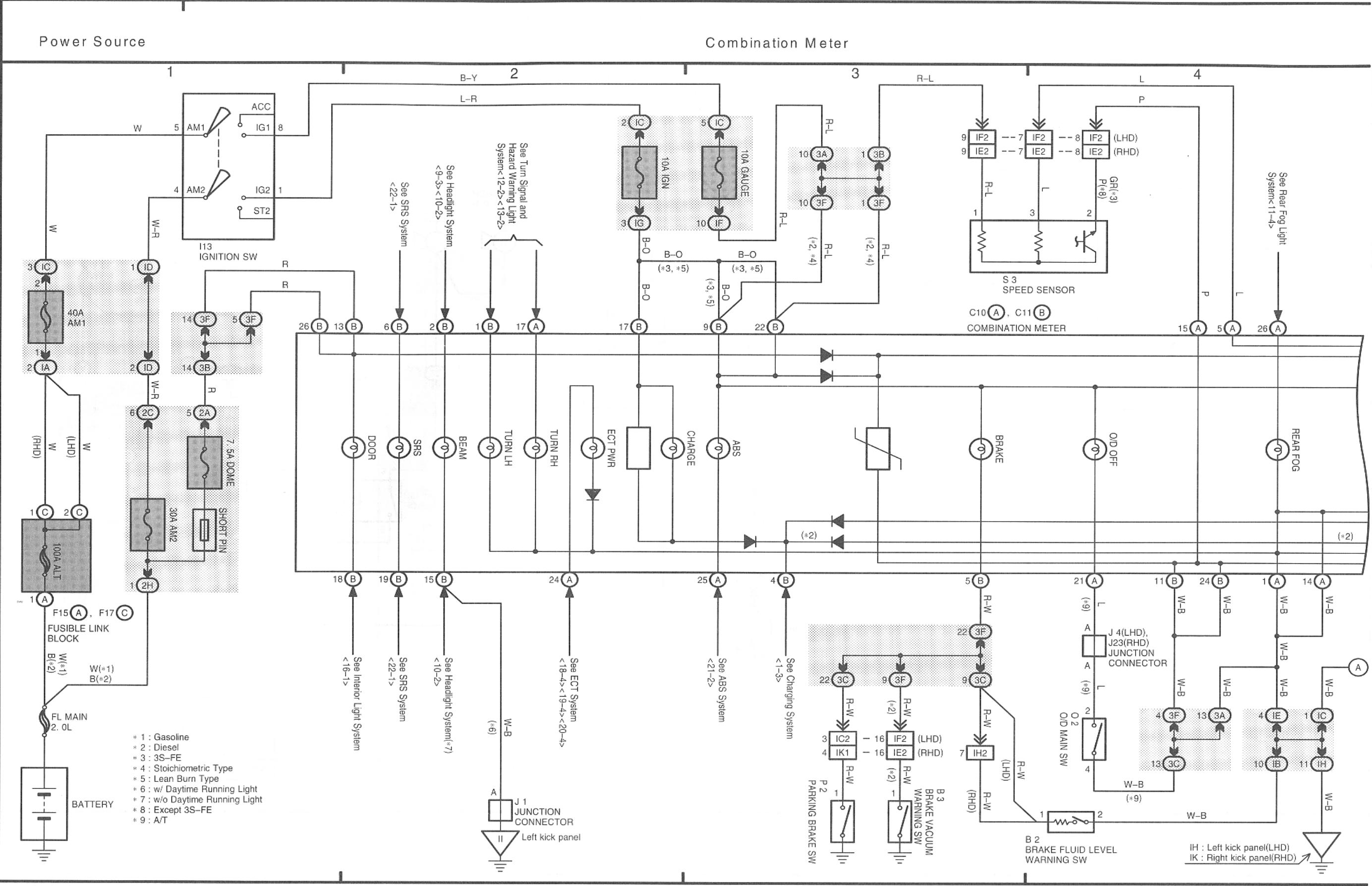






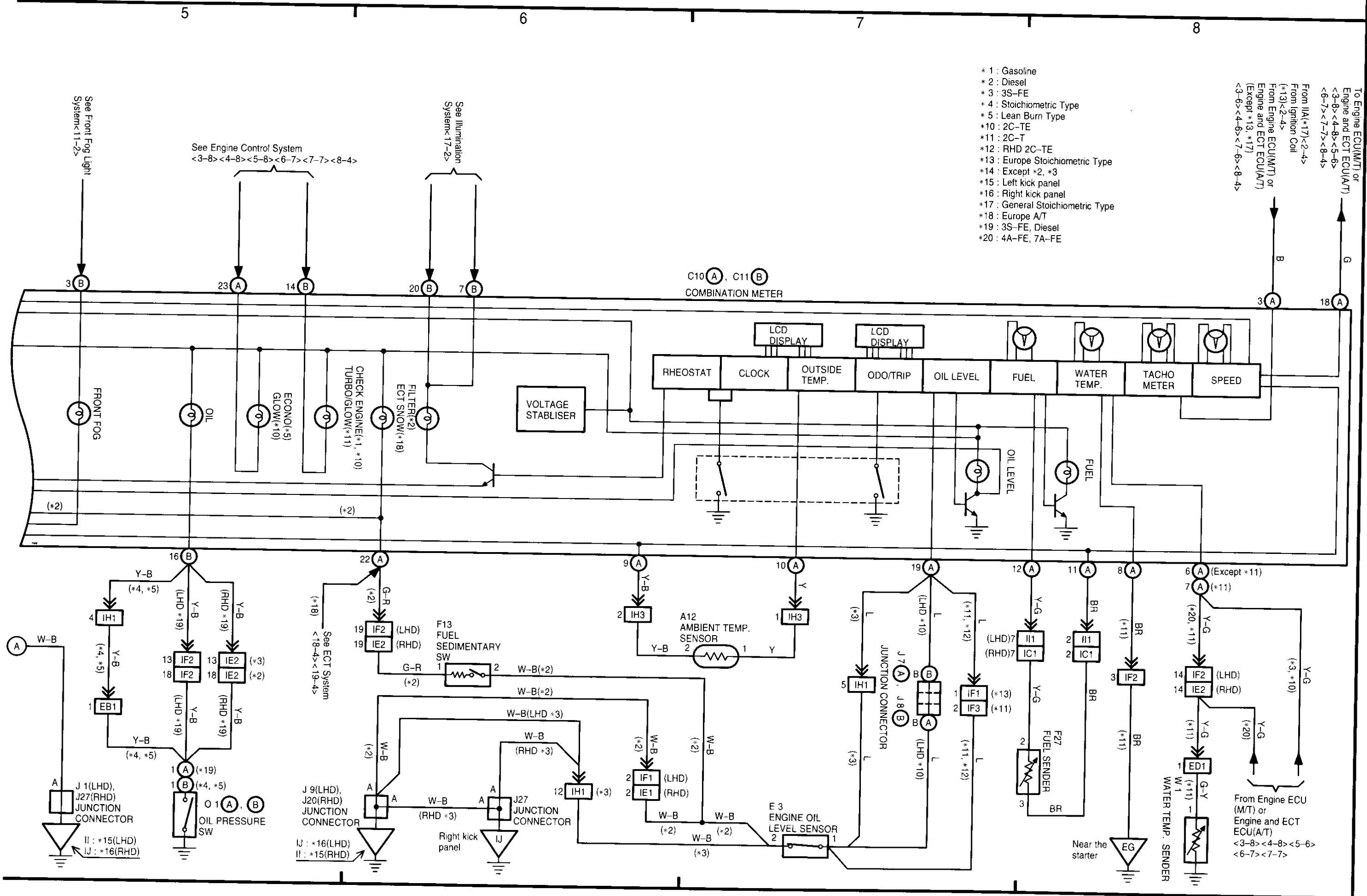
31 AVENSIS / CORONA

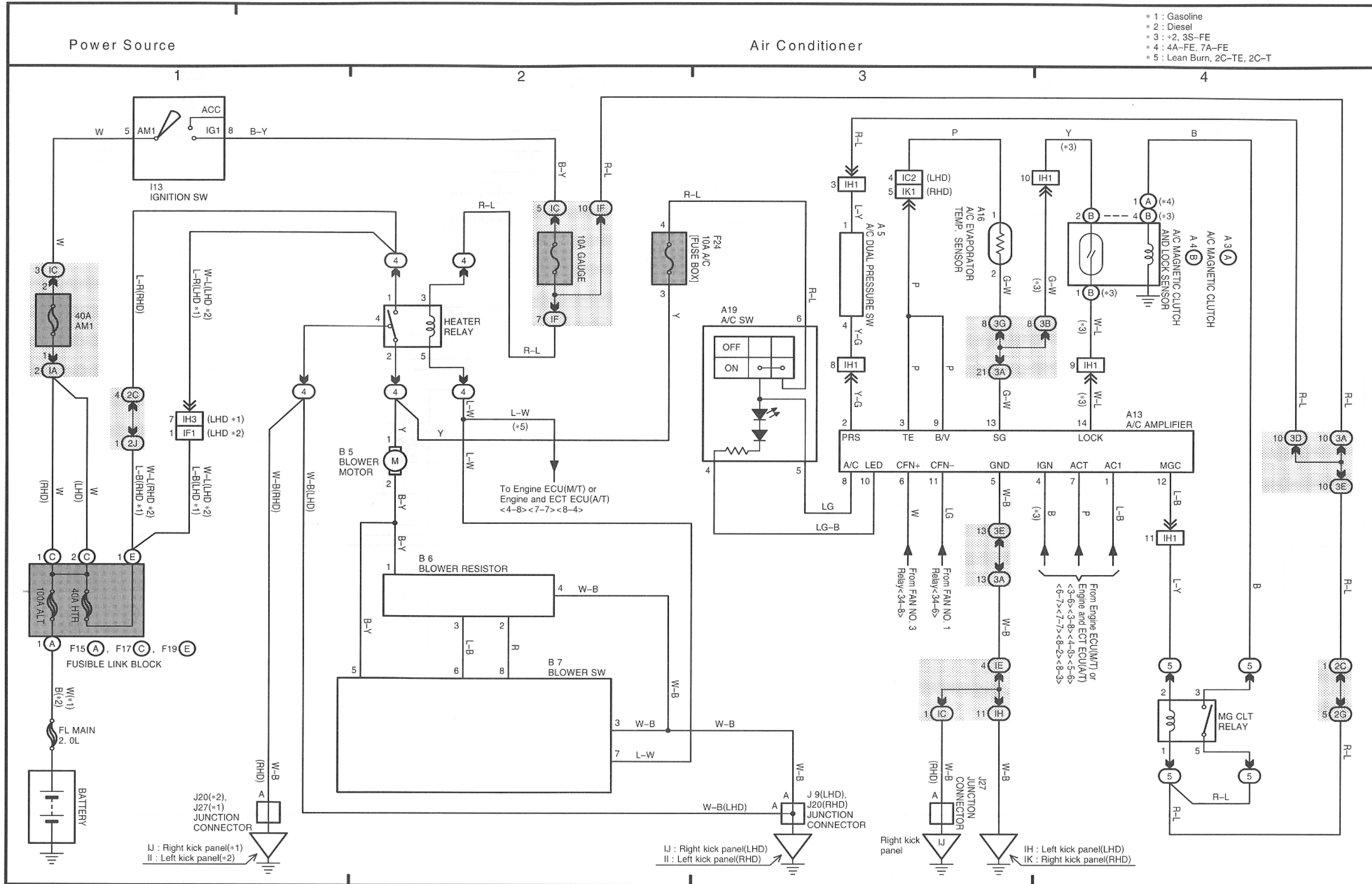




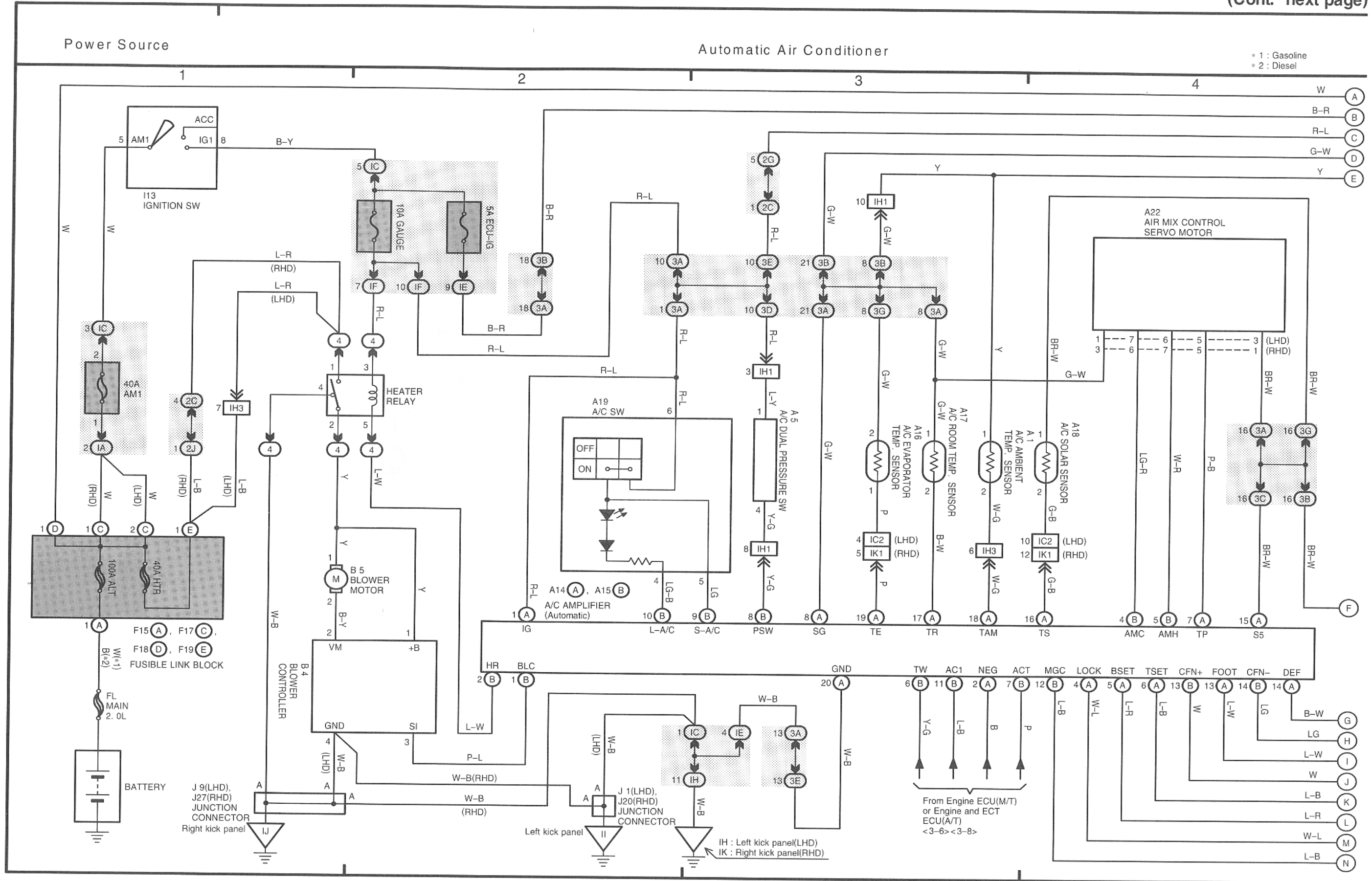
K OVERALL ELECTRICAL WIRING DIAGRAM

Combination Meter

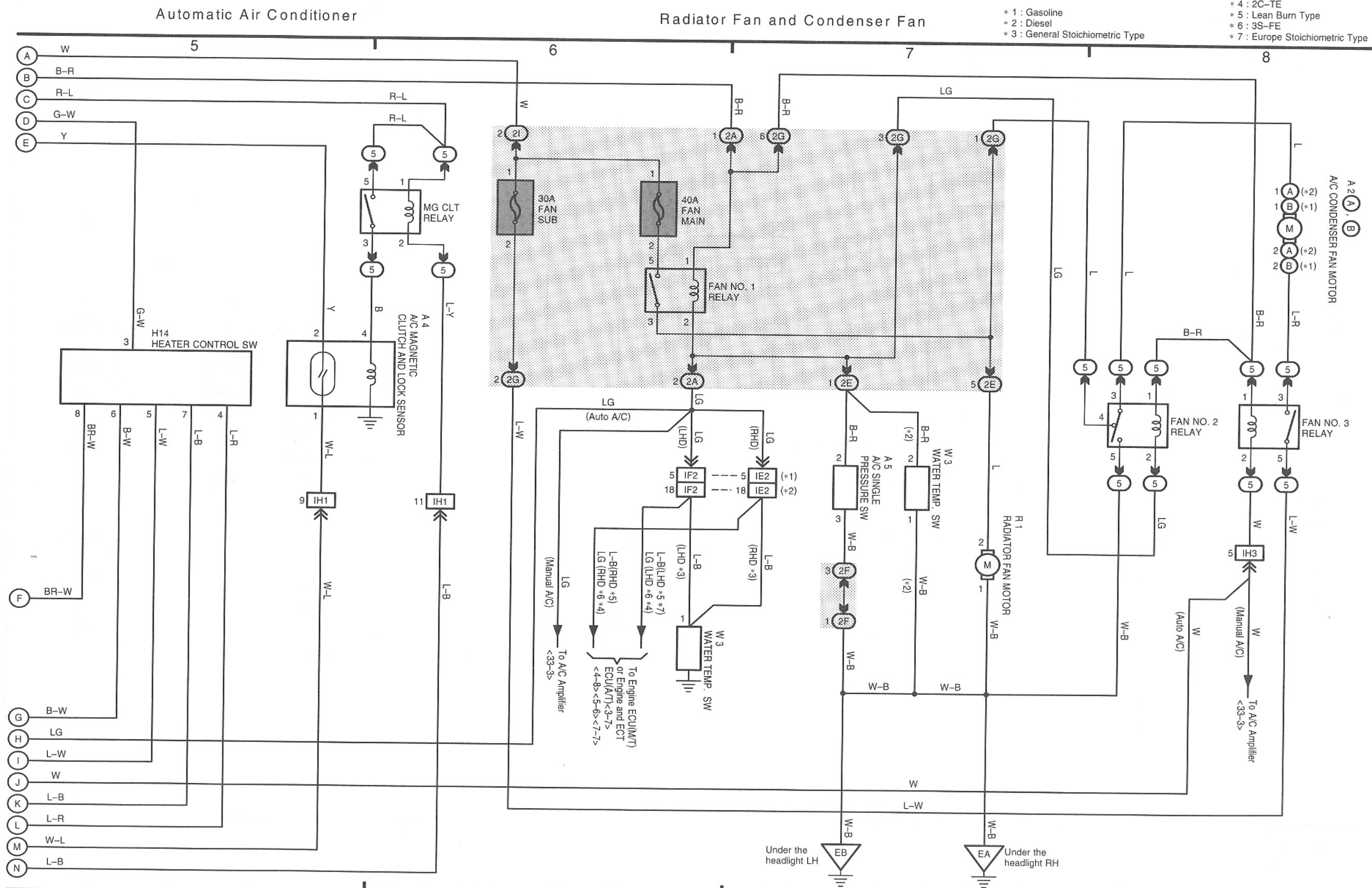


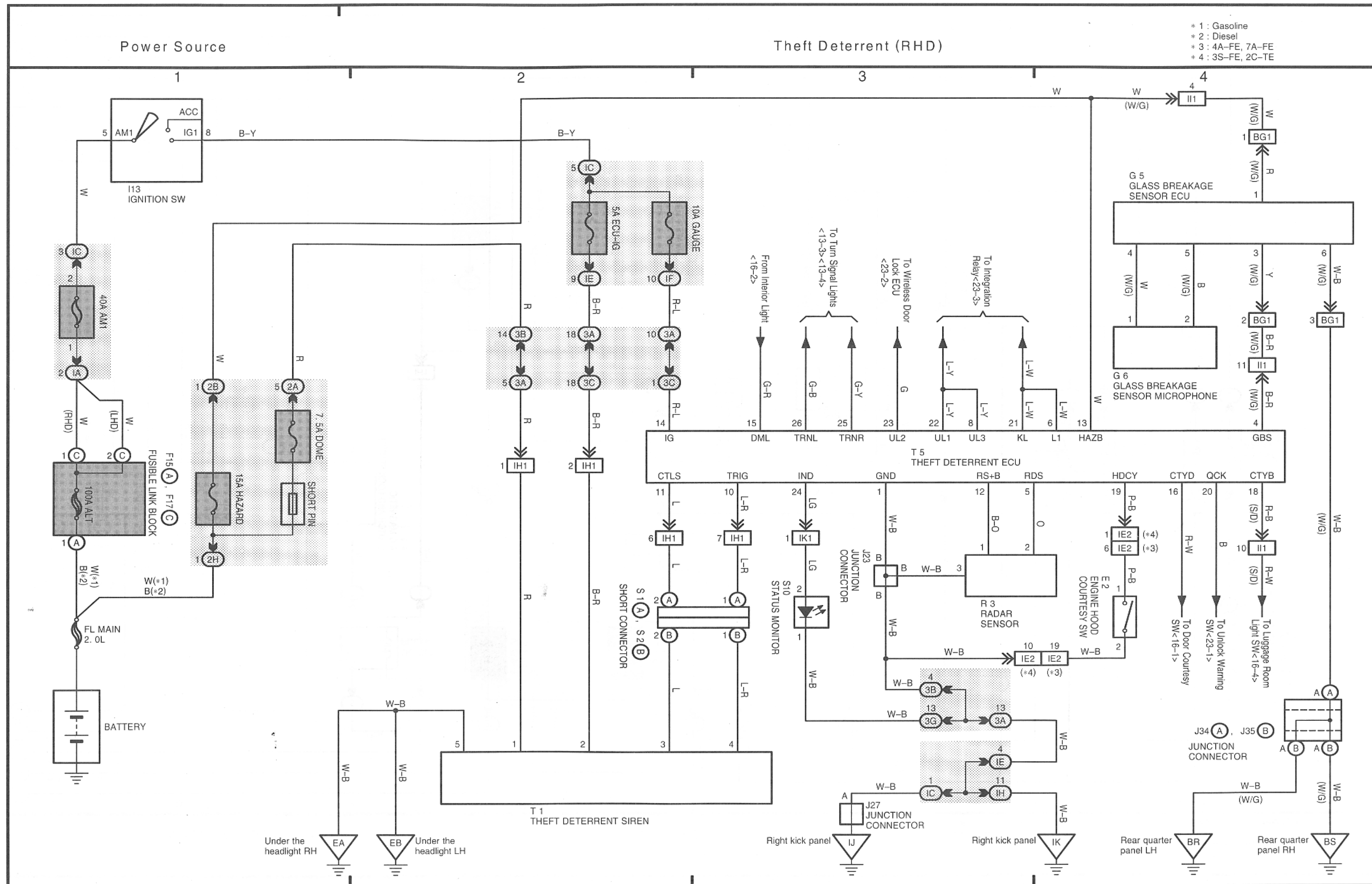


K OVERALL ELECTRICAL WIRING DIAGRAM



34 AVENSIS / CORONA (Cont' d)







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