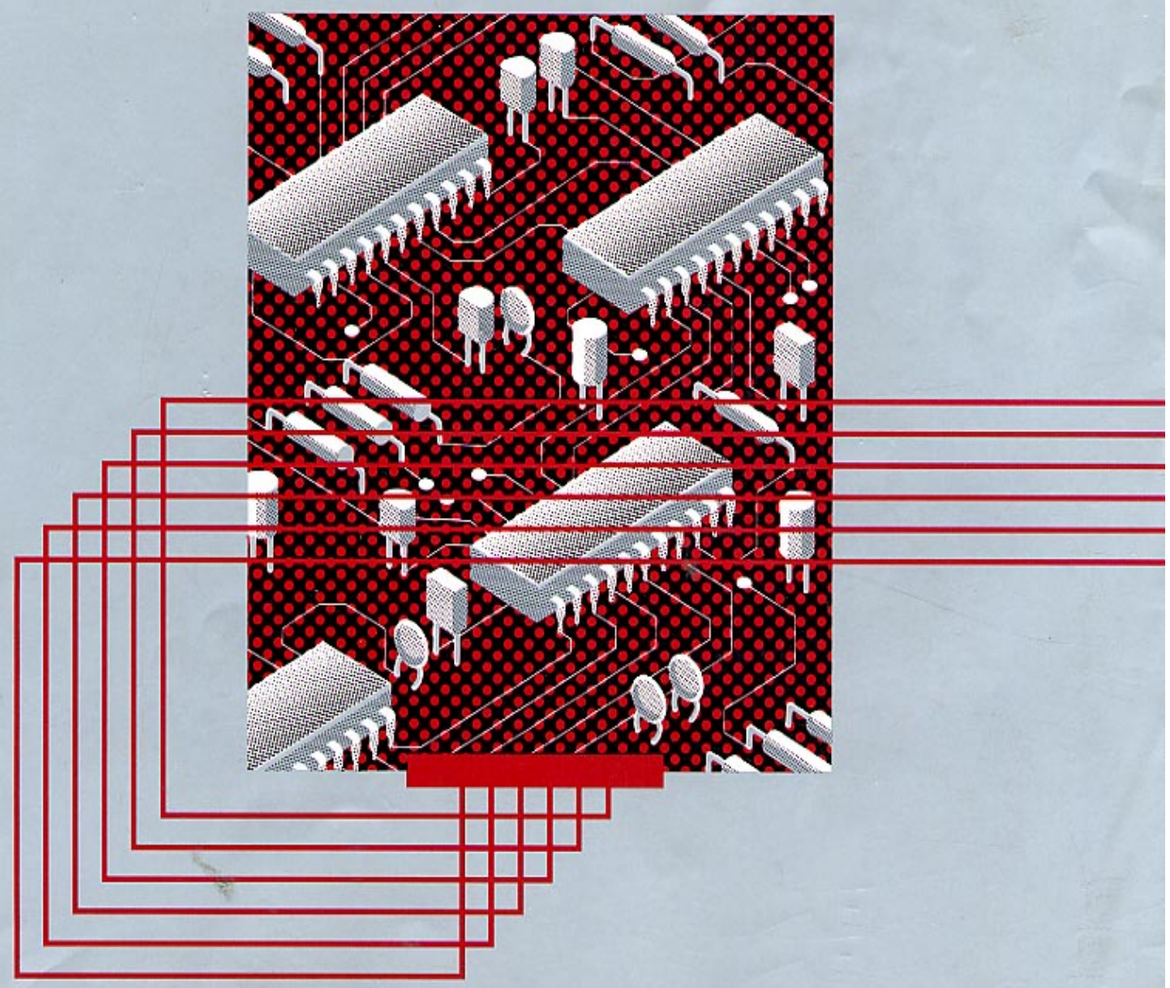
TOYOTA

AVENSIS/CORONA

ELECTRICAL WIRING DIAGRAM

ST 220 Series
AT 22_ Series
CT 220 Series

Oct., 1997



English

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

(English)

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English
Français
Español

SCHEMA DE CABLAGE ELECTRIQUE DE LA AVENSIS/CORONA

(Français)

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AVENSIS/CORONA
DIAGRAMA DEL CABLEADO ELECTRICO

(Español)

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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.)

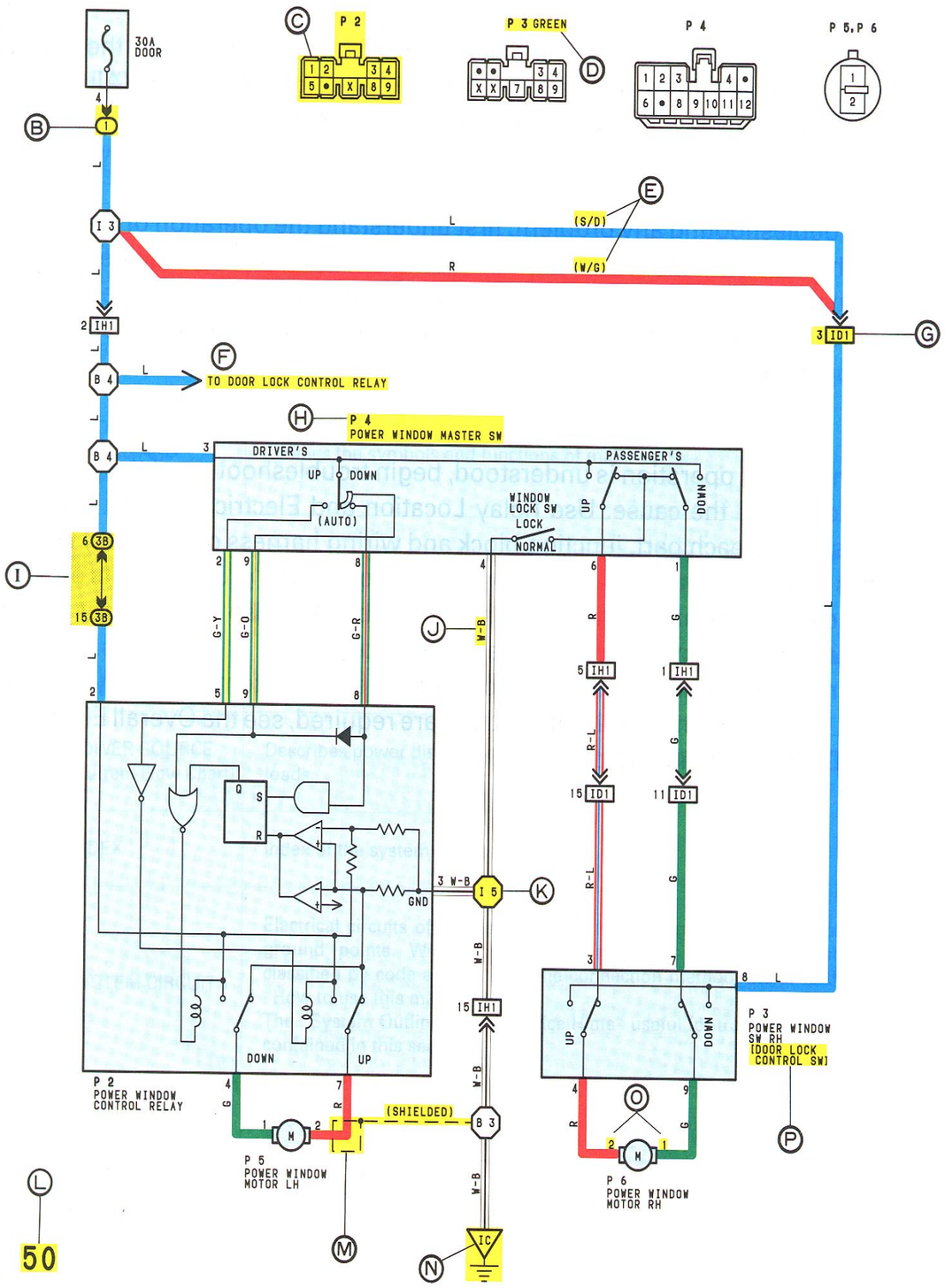
When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Points section). See the System Outline to understand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

Ⓐ

POWER WINDOW

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



Ⓛ

50

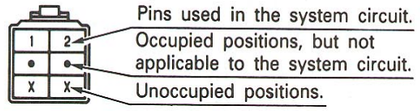
Ⓐ: System Title

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

Example: ① Indicates Relay Block No. 1.

Ⓒ: Indicates the connector to be connected to a part (the numeral indicates the pin No.)

Explanation of pin use.



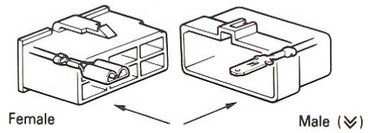
The pins shown are only for the highest grade, or only include those in the specification.

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

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

Ⓕ: Indicates related system.

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



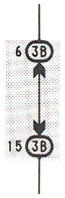
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

When more than one code has the first and second letters in common, followed by numbers (e.g, IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.

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

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

Example:



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

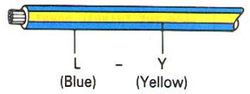
Ⓙ: Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

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

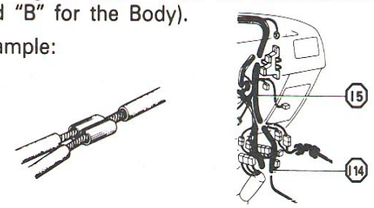
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: L – Y



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

Example:



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

Ⓛ: Page No.

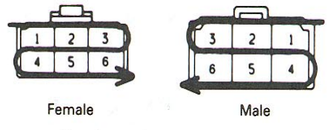
Ⓜ: Indicates a shielded cable.

Ⓝ: Indicates a ground point.

The first letter of the code for each ground point(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

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

Example: Numbered in order from upper left to lower right — Numbered in order from upper right to lower left



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

Ⓠ

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).

Ⓡ

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

Ⓢ ○ : **PARTS LOCATION**

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

Ⓣ ⬭ : **RELAY BLOCKS**

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

Ⓤ ⬭ : **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)

Ⓥ □ : **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)

Ⓦ ▽ : **GROUND POINTS**

CODE	SEE PAGE	GROUND POINT LOCATION
IC	24	COWL LEFT

Ⓧ ⬡ : **SPLICE POINTS**

CODE	SEE PAGE	WIRE HARNESSES WITH SPLICE POINTS
I5	24	COWL WIRE

Ⓠ: Explains the system outline.

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

Ⓢ: Indicates the reference page showing the position on the vehicle of the parts in the system circuit.
Example: Part "P4" (Power Window Master SW) is on page 21 of the manual.
* The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.
Example: P4
Part is 4th in order
Power Window Master SW

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

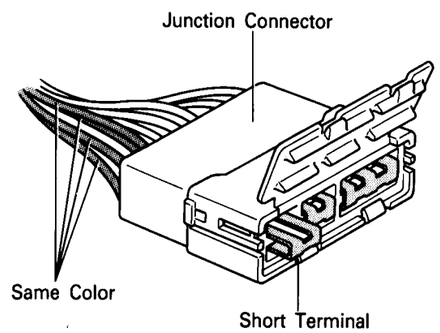
Ⓤ: Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.
Example: Connector "3B" connects the Cowl Wire and J/B No. 3. It is described on page 14 of this manual, and is installed on the instrument panel left side.

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

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

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

HINT:



Junction connector (code: J1 to 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.

B HOW TO USE THIS MANUAL

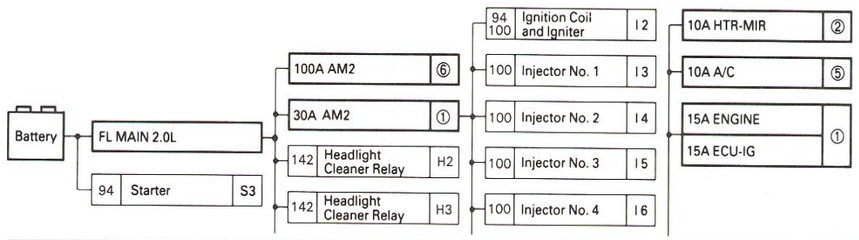
The "Current Flow Chart" section, describes which parts each power source (fuses, fusible links, and circuit breakers) transmits current to. In the Power Source circuit diagram, the conditions when battery power is supplied to each system are explained. Since all System Circuit diagrams start from the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

English

H POWER SOURCE (Current Flow Chart)

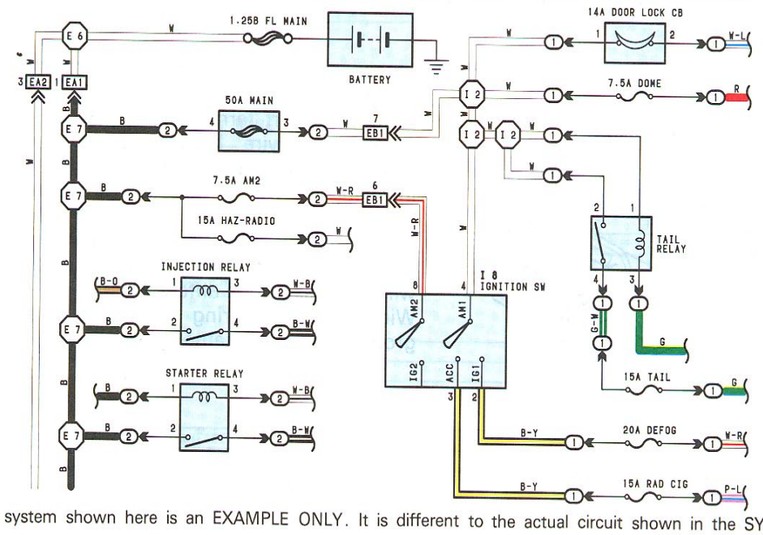
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.

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



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

POWER SOURCE

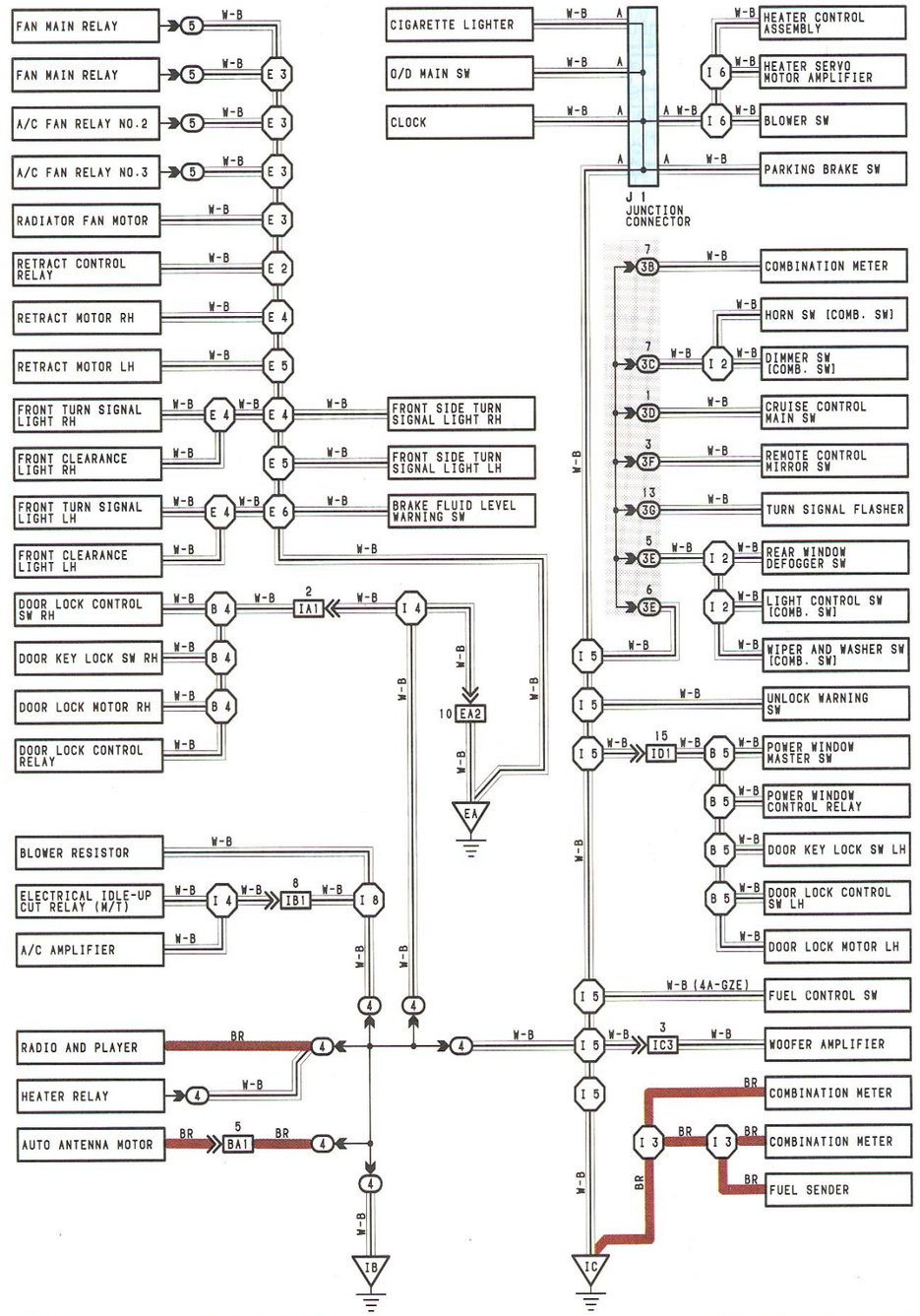


* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

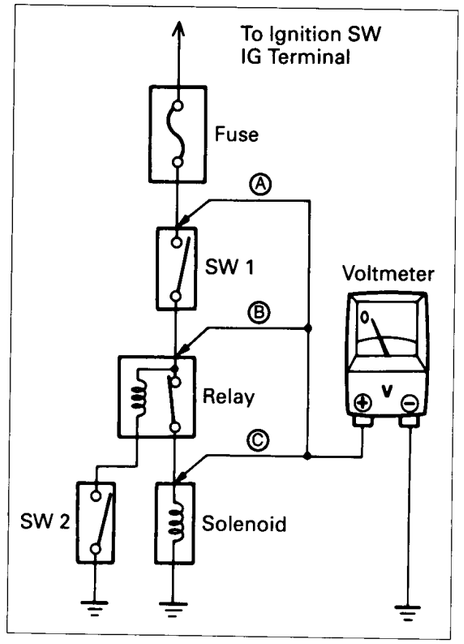
The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA,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

English

J GROUND POINT



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

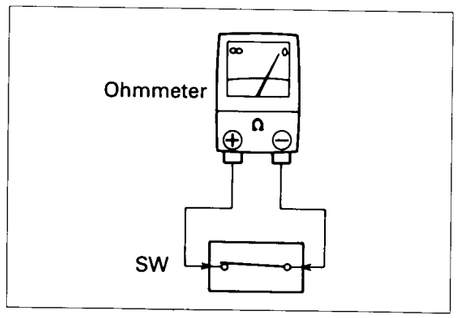


VOLTAGE CHECK

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

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

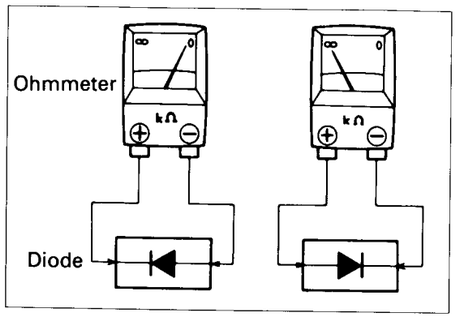
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal. This check can be done with a test a light instead of a voltmeter.



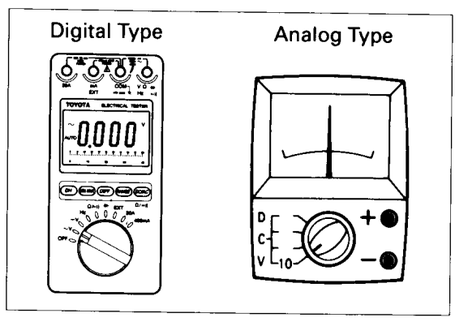
CONTINUITY AND RESISTANCE CHECK

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

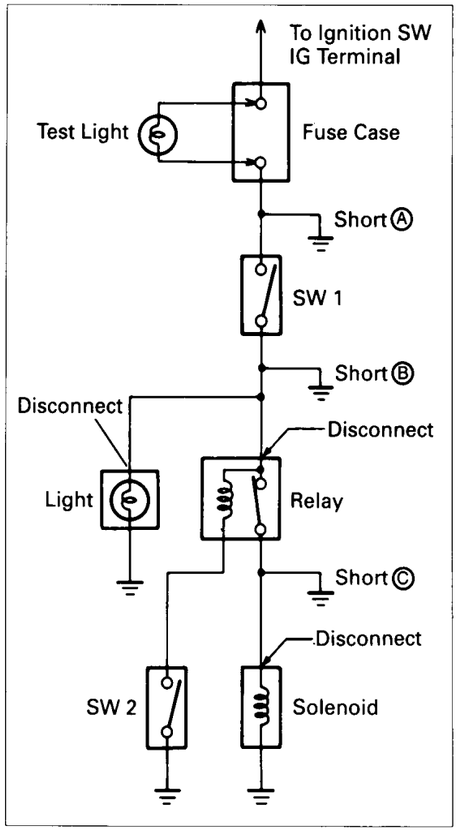
(b) Contact the two leads of an ohmmeter to each of the check points.



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



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



FINDING A SHORT CIRCUIT

(a) Remove the blown fuse and disconnect all loads of the fuse.

(b) Connect a test light in place of the fuse.

(c) Establish conditions in which the test light comes on.

Example:
Ⓐ – Ignition SW on
Ⓑ – Ignition SW and SW 1 on
Ⓒ – Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)

(d) Disconnect and reconnect the connectors while watching the test light.
The short lies between the connector where the test light stays lit and the connector where the light goes out.

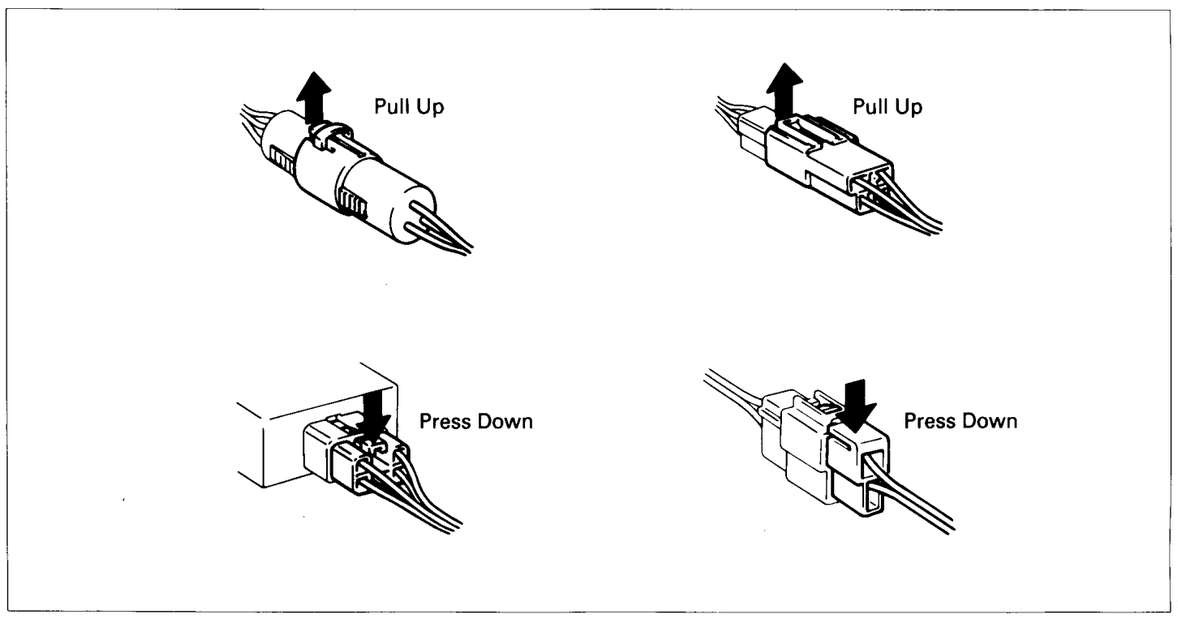
(e) Find the exact location of the short by lightly shaking the problem wire along the body.

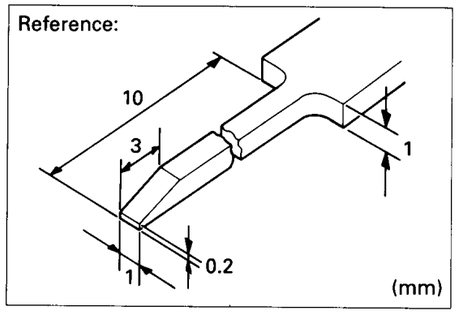
CAUTION:
Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

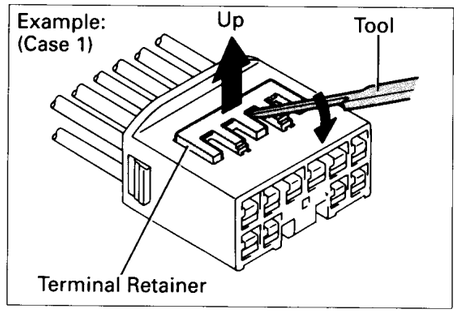
DISCONNECTION OF MALE AND FEMALE CONNECTORS

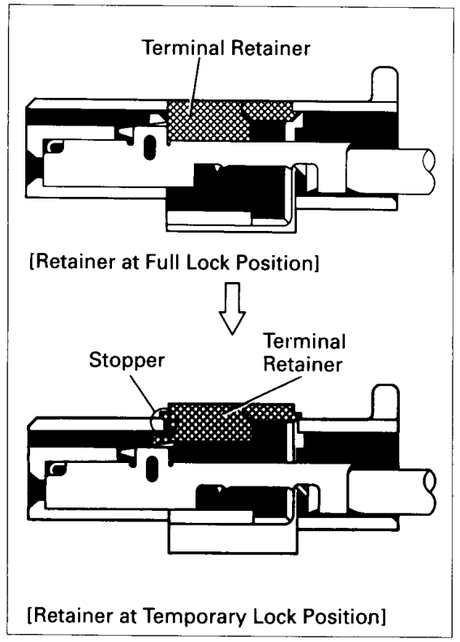
To pull apart the connectors, pull on the connector itself, not the wire harness.

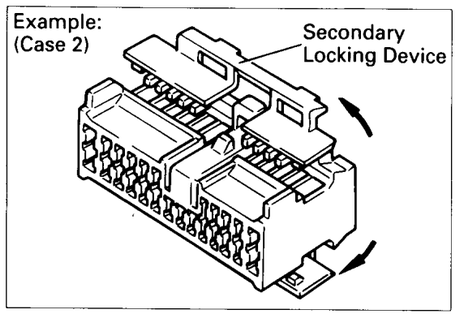
HINT: Check to see what kind of connector you are disconnecting before pulling apart.











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

1. PREPARE THE SPECIAL TOOL

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

2. DISCONNECT CONNECTOR

3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

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

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

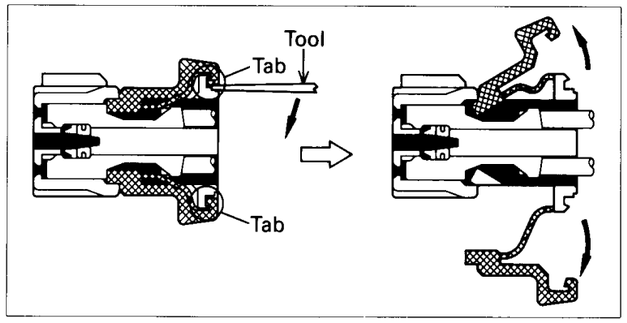
   NOTICE:
   Do not remove the terminal retainer from connector body.

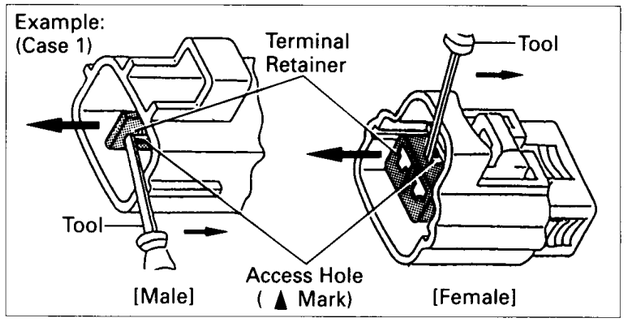
   Ⓐ For Non-Waterproof Type Connector

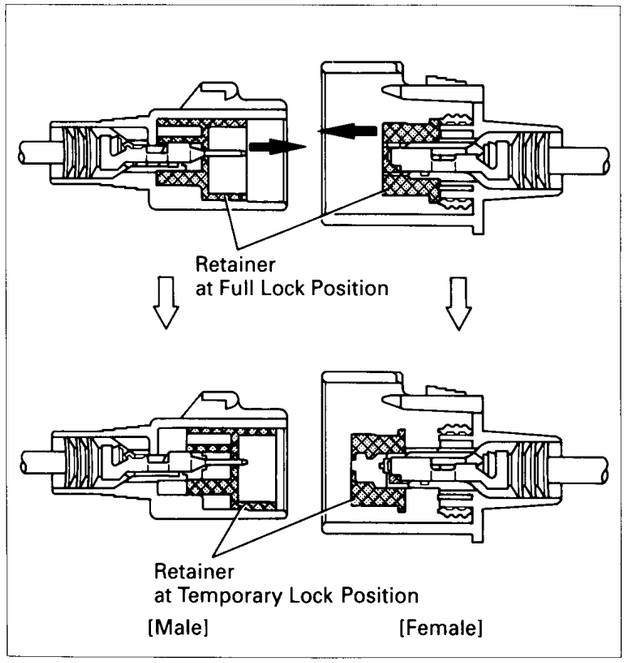
   HINT: The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

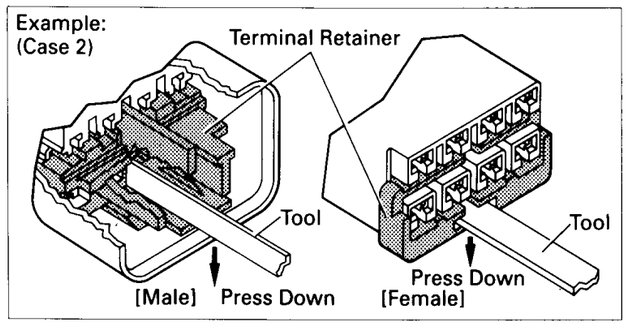
   "Case 1"
   Raise the terminal retainer up to the temporary lock position.

   "Case 2"
   Open the secondary locking device.









Ⓑ For Waterproof Type Connector

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

Example:

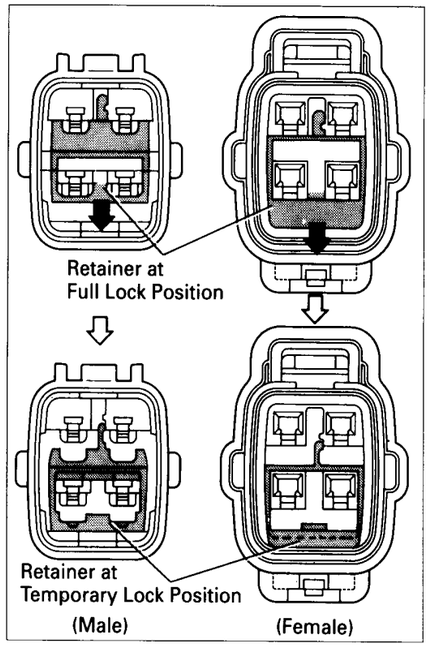
Terminal Retainer	: Connector Body
Black or White	: Gray
Black or White	: Dark Gray
Gray or White	: Black

"Case 1"
Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

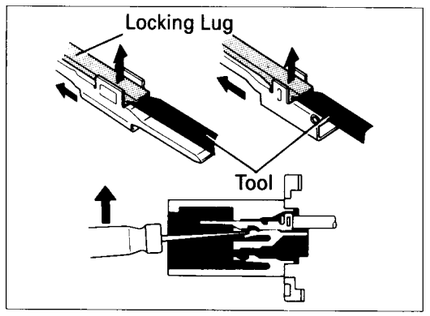
Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

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

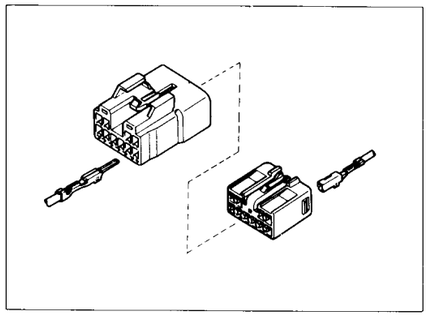
"Case 2"
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.

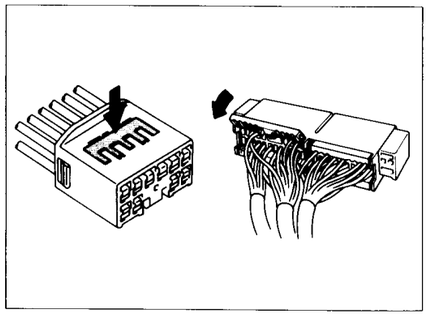


(c) Release the locking lug from terminal and pull the terminal out from rear.



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

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



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

5. CONNECT CONNECTOR

ABBREVIATIONS

The following abbreviations are used in this manual.

ABS	=	Anti-Lock Brake System
A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
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
IIA	=	Integrated Ignition Assembly
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left-Hand
LHD	=	Left-Hand Drive
M/T	=	Manual Transaxle
O/D	=	Overdrive
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

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

E GLOSSARY OF TERMS AND SYMBOLS

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

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

CIGARETTE LIGHTER
An electric resistance heating element.

CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

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

DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.

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

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.

(for Medium Current Fuse)

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.

(for High Current Fuse or Fusible Link)

GROUND
The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.

HEADLIGHTS
1. **SINGLE FILAMENT**
2. **DOUBLE FILAMENT**

Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament.

HORN
An electric device which sounds a loud audible signal.

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

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

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

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

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

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

RELAY
1. **NORMALLY CLOSED**
2. **NORMALLY OPEN**

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

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

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

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

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

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

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

(Reed Switch Type)

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

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

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

SWITCH, MANUAL
1. **NORMALLY OPEN**
2. **NORMALLY CLOSED**

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

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

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

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

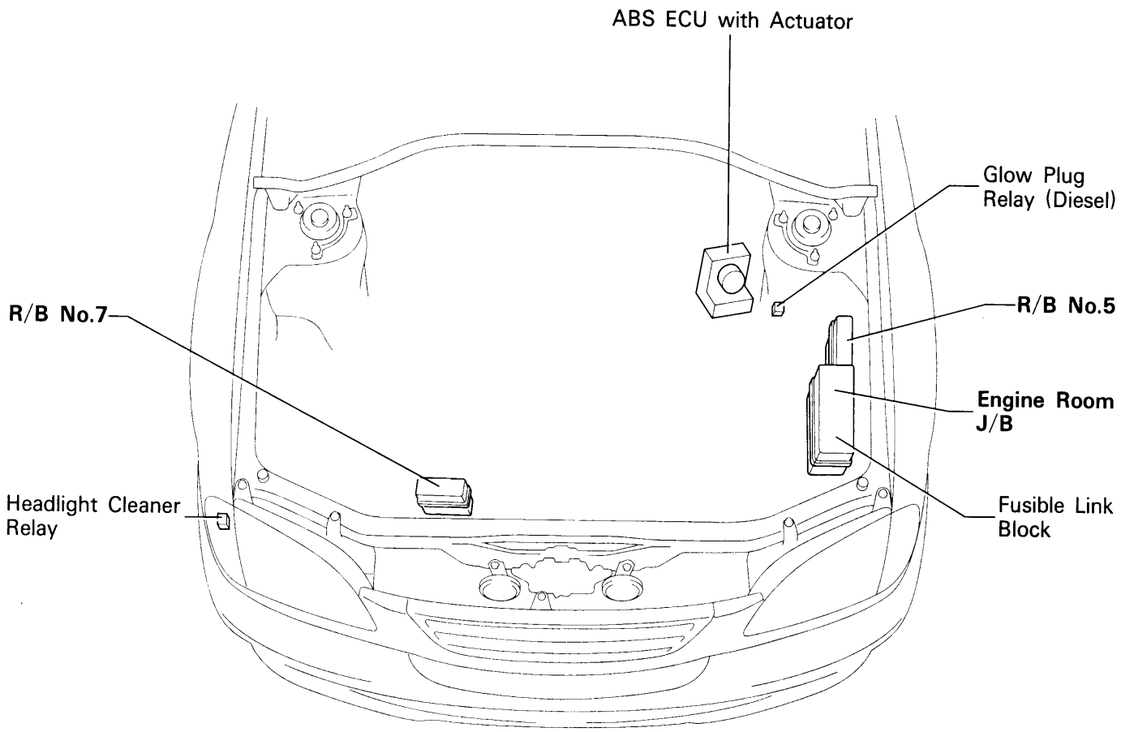
TRANSISTOR
A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at "base".

WIRES
(1) **NOT CONNECTED**
(2) **SPLICED**

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

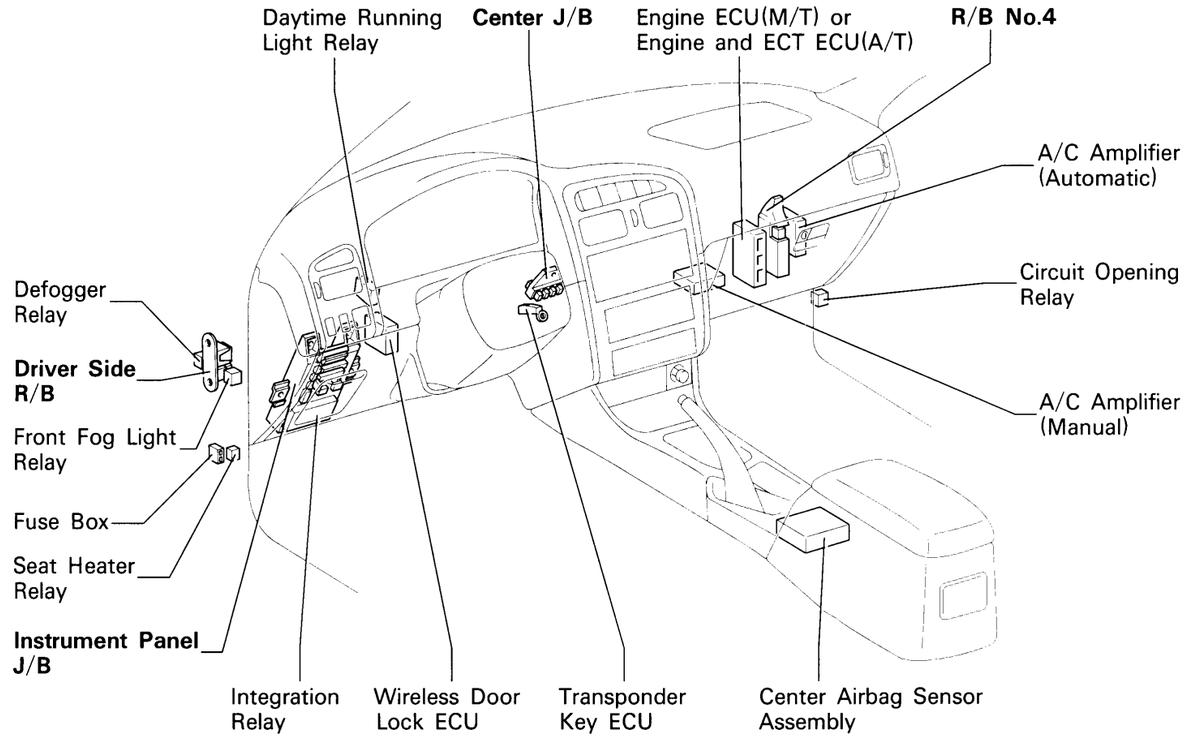
F RELAY LOCATIONS

[Engine Compartment]

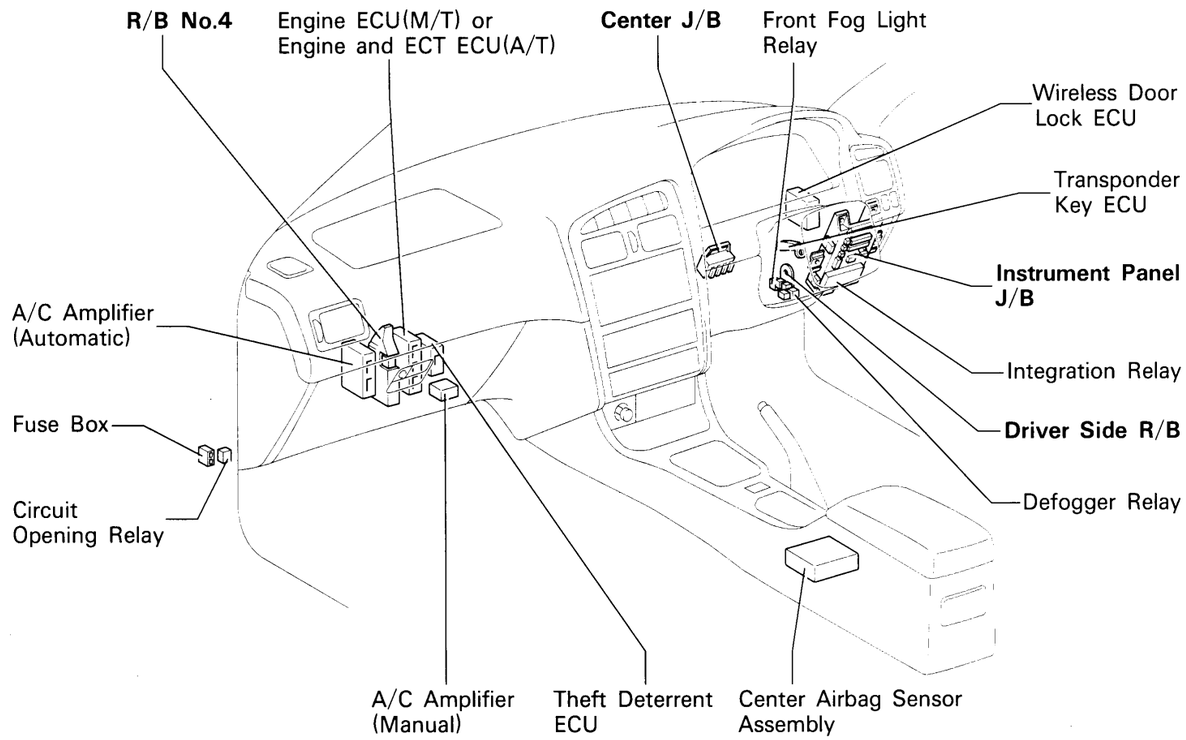


[Instrument Panel]

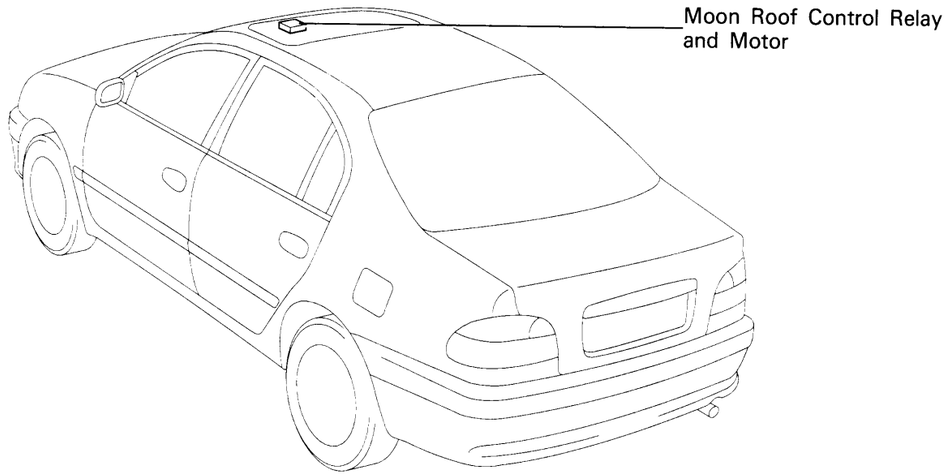
(LHD)



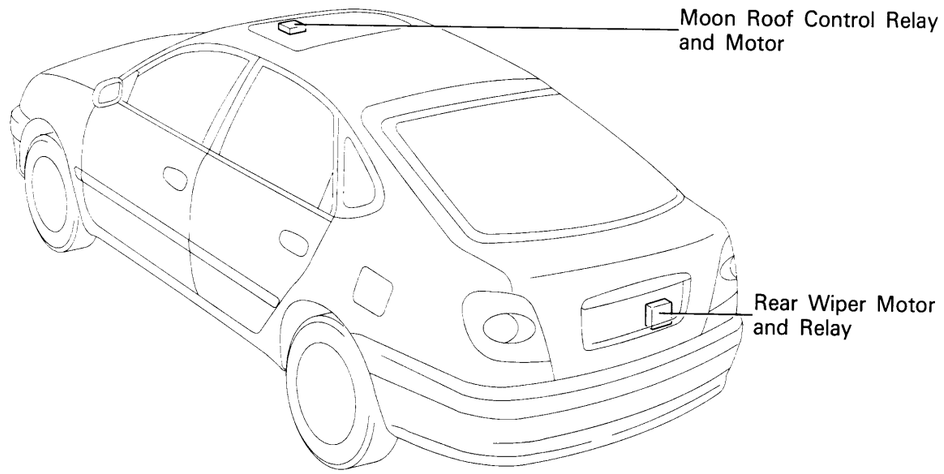
(RHD)



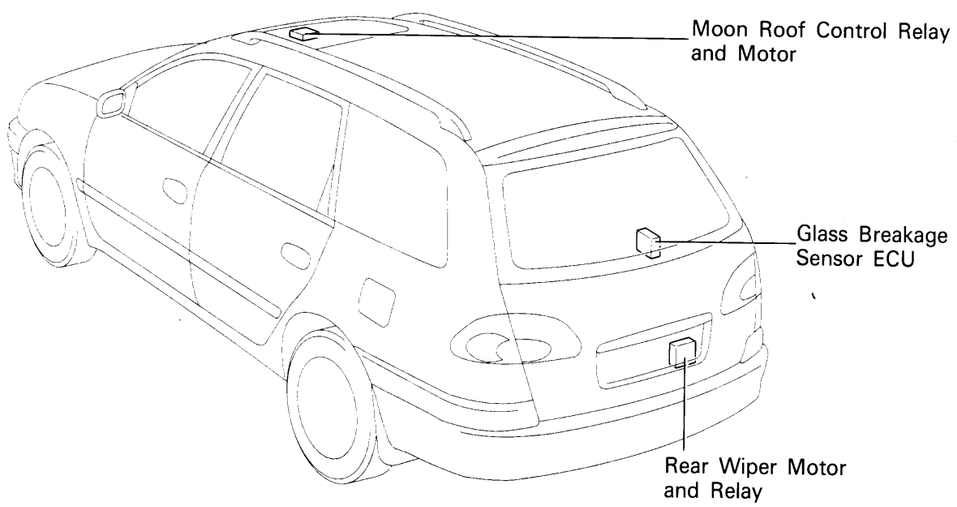
[Body]
(S/D)



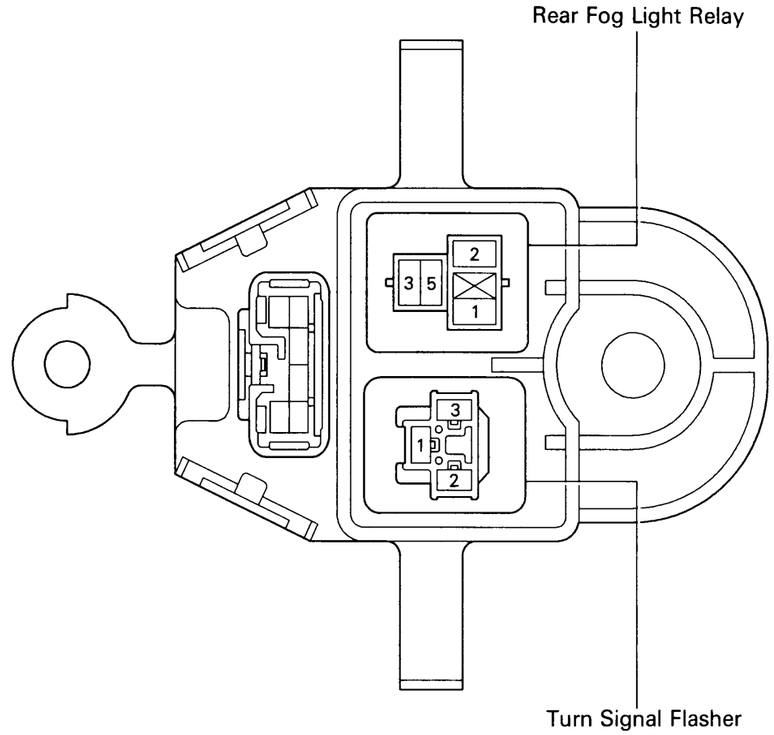
(L/B)



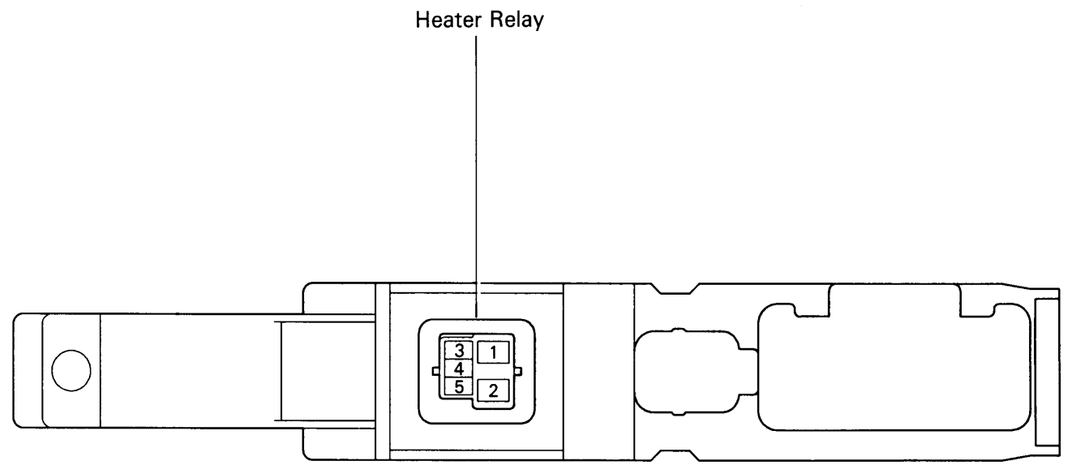
(W/G)



① : Driver Side R/B	LHD : Left Kick Panel (See Page 51)
	RHD : Right Kick Panel (See Page 51)

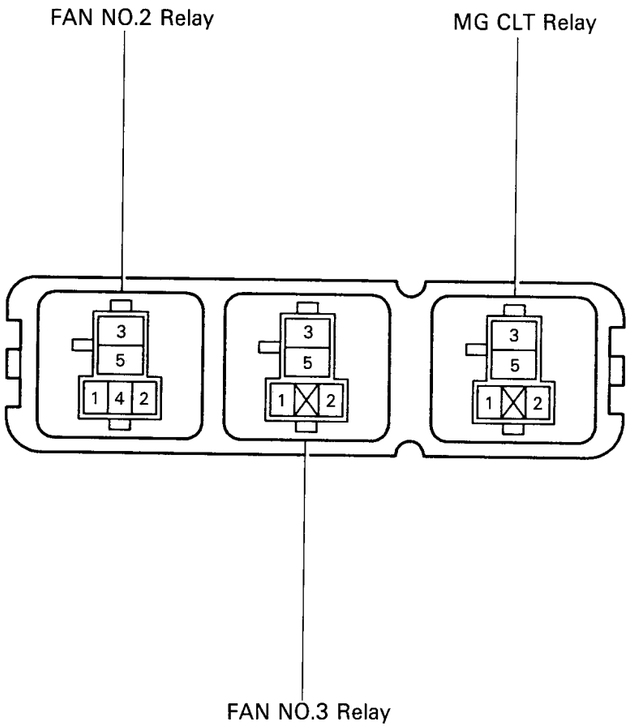


④ : R/B No.4	Passenger Side Dash Panel (See Page 51)



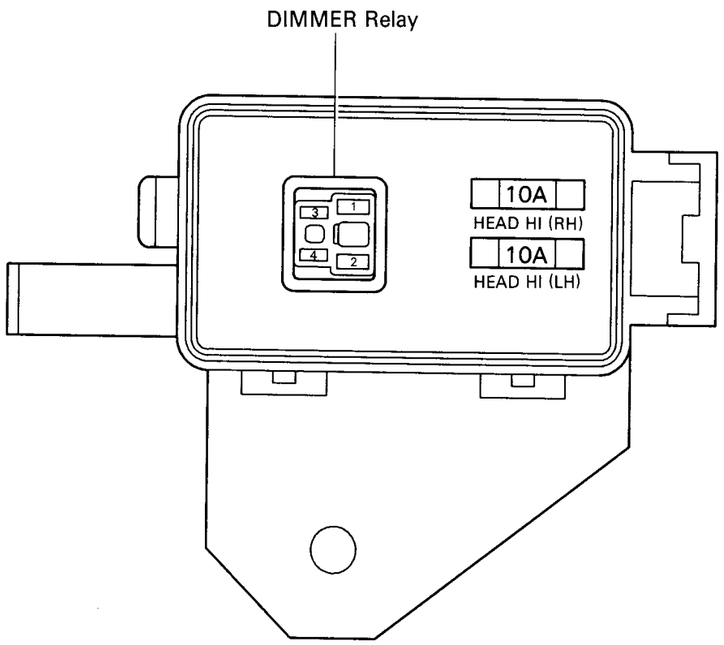
English

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



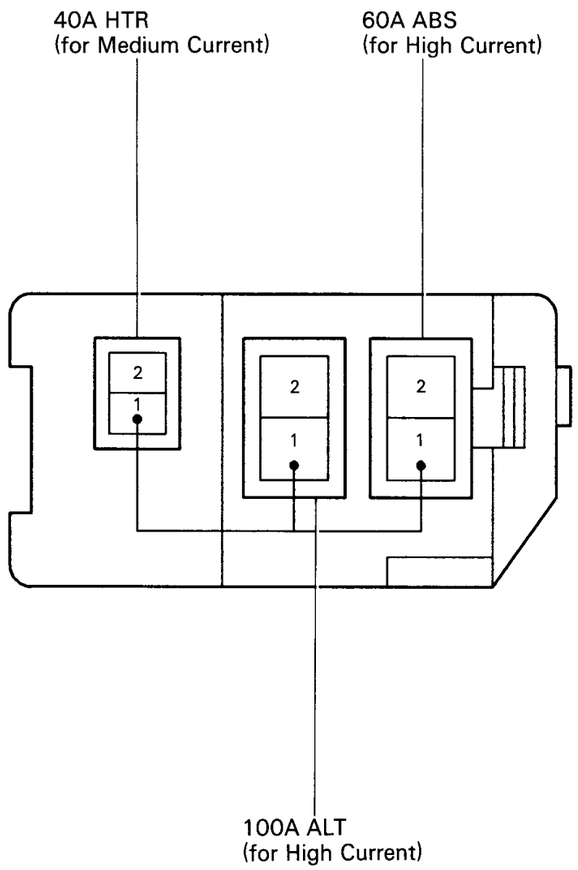
⑦ : R/B No.7	Radiator Upper Support RH (See Page 50)

(w/ Daytime Running Light)



English

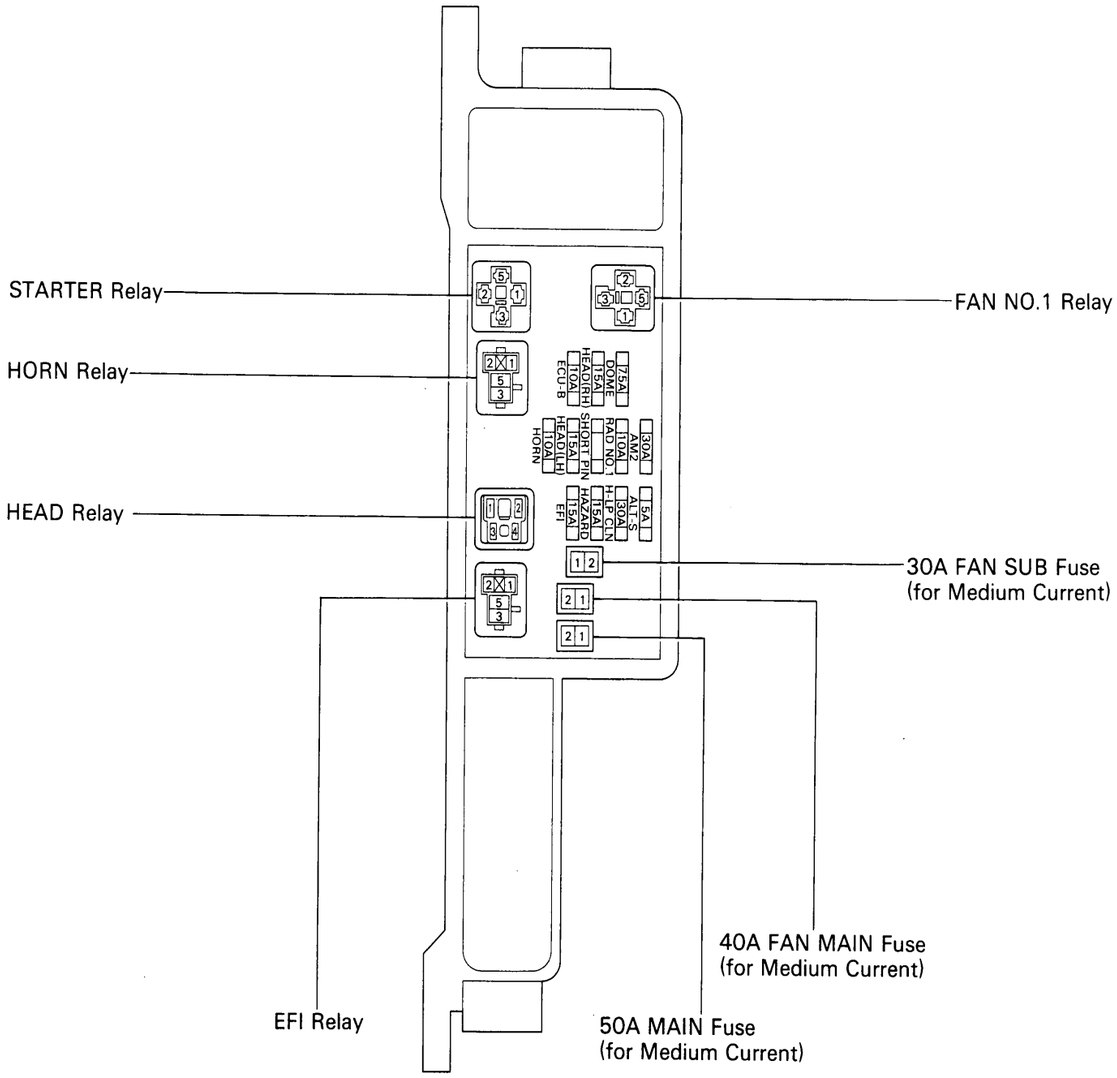
Fusible Link Block	Engine Compartment Left (See Page 50) (Inside Engine Room J/B)



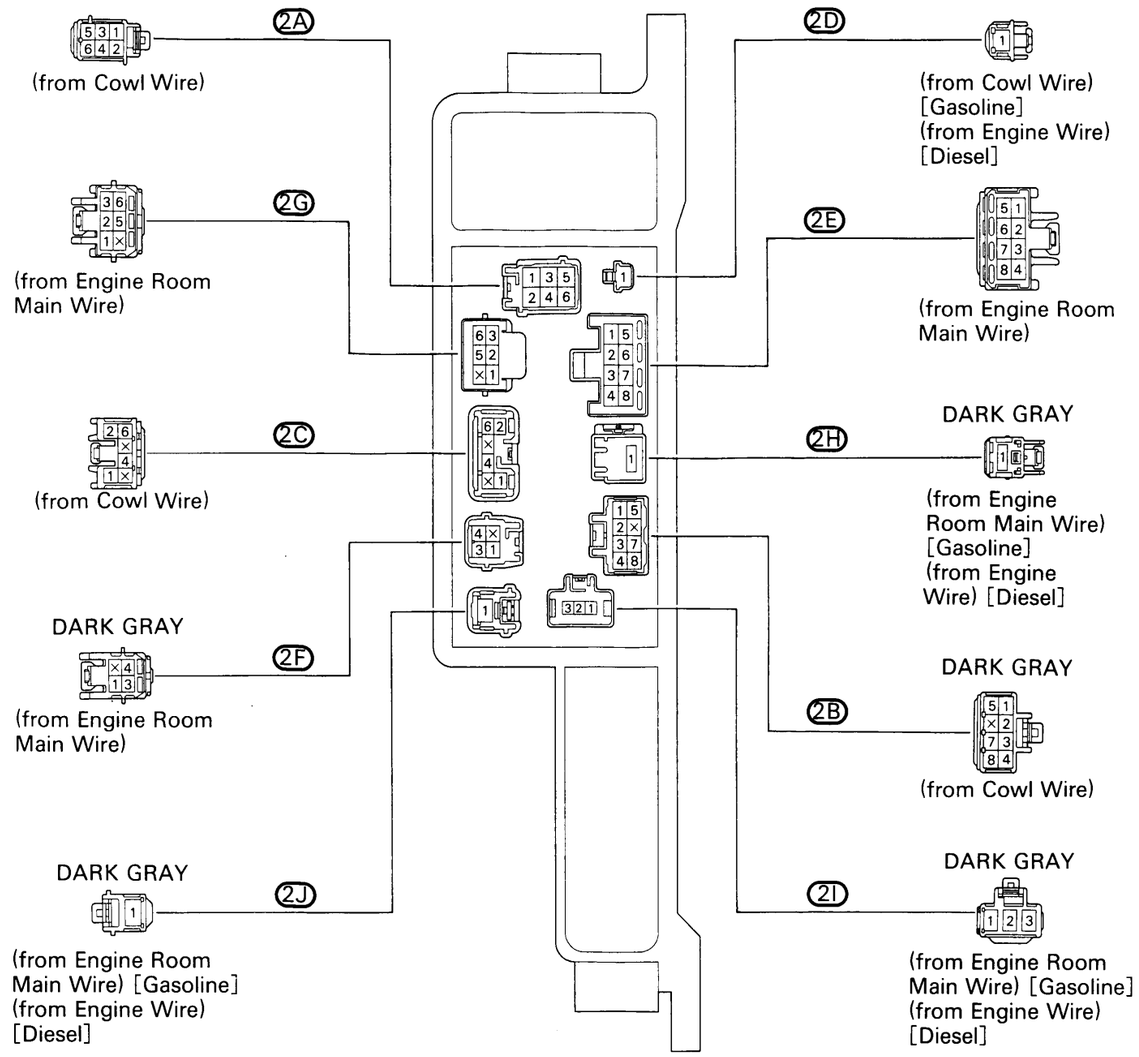
: Engine Room J/B	Engine Compartment Left (See Page 50)

(Inner Circuit : See Page 62)

English

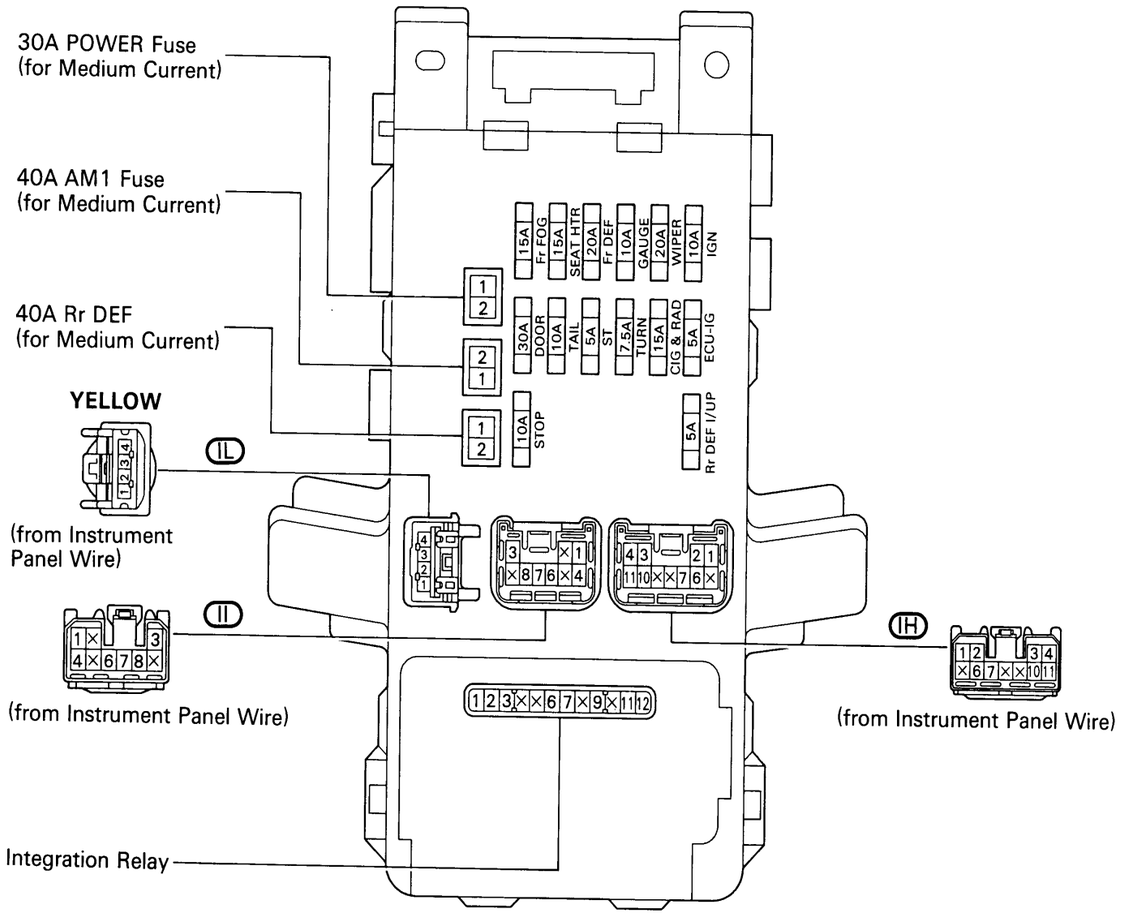


English

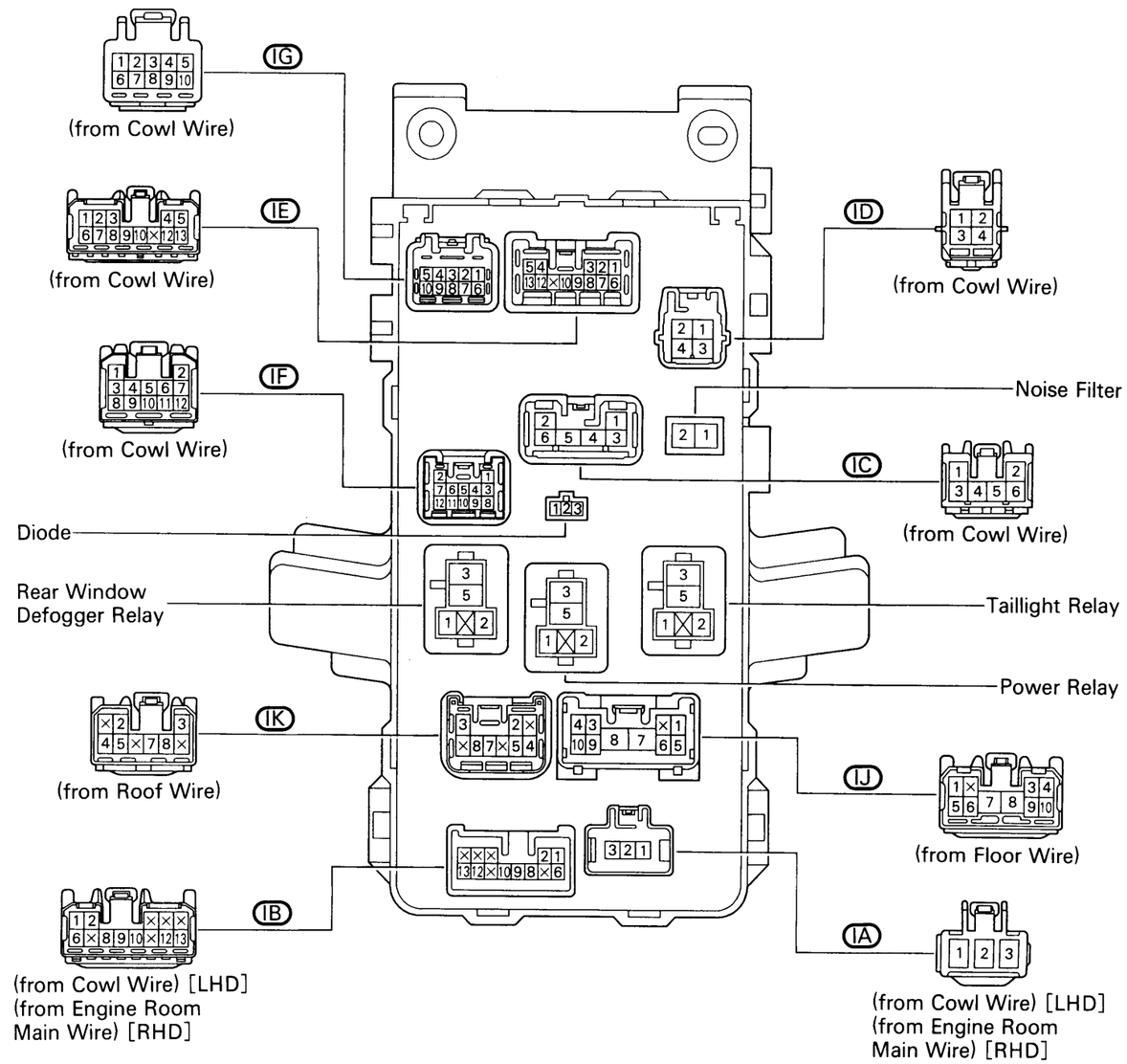


RELAY LOCATIONS

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

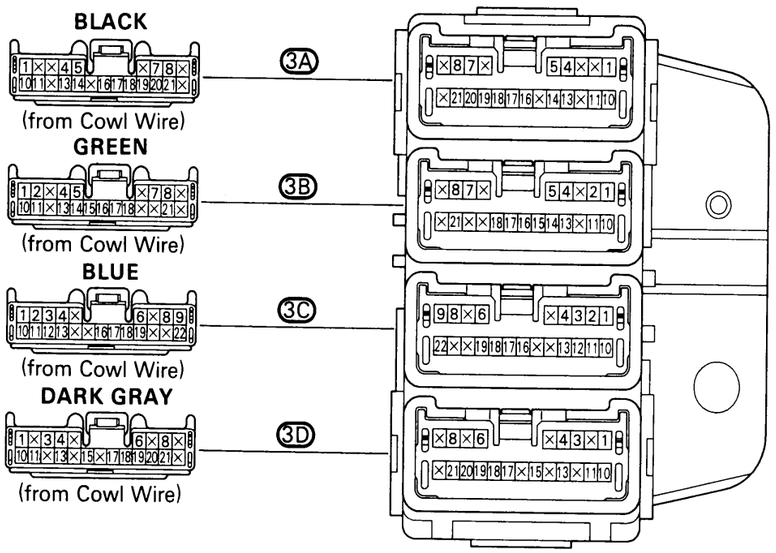


(Inner Circuit : See Page 63)

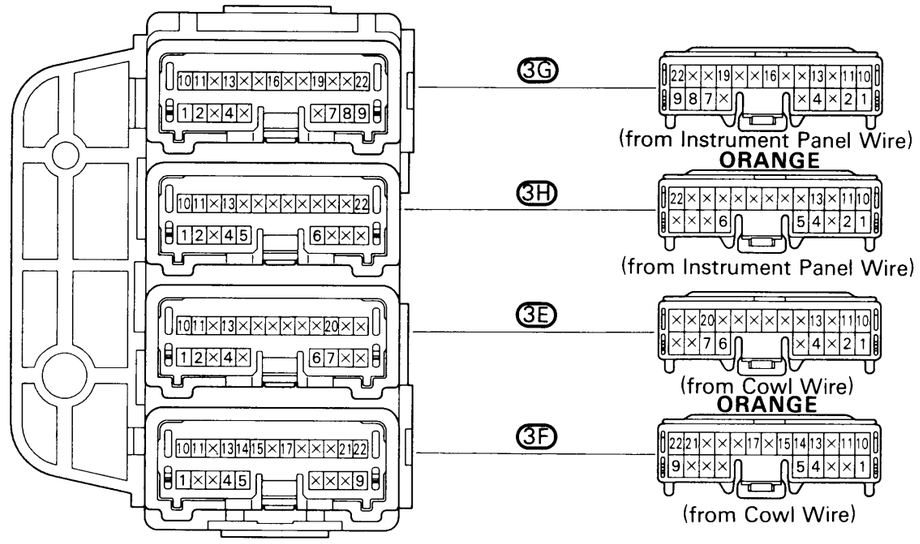


F RELAY LOCATIONS

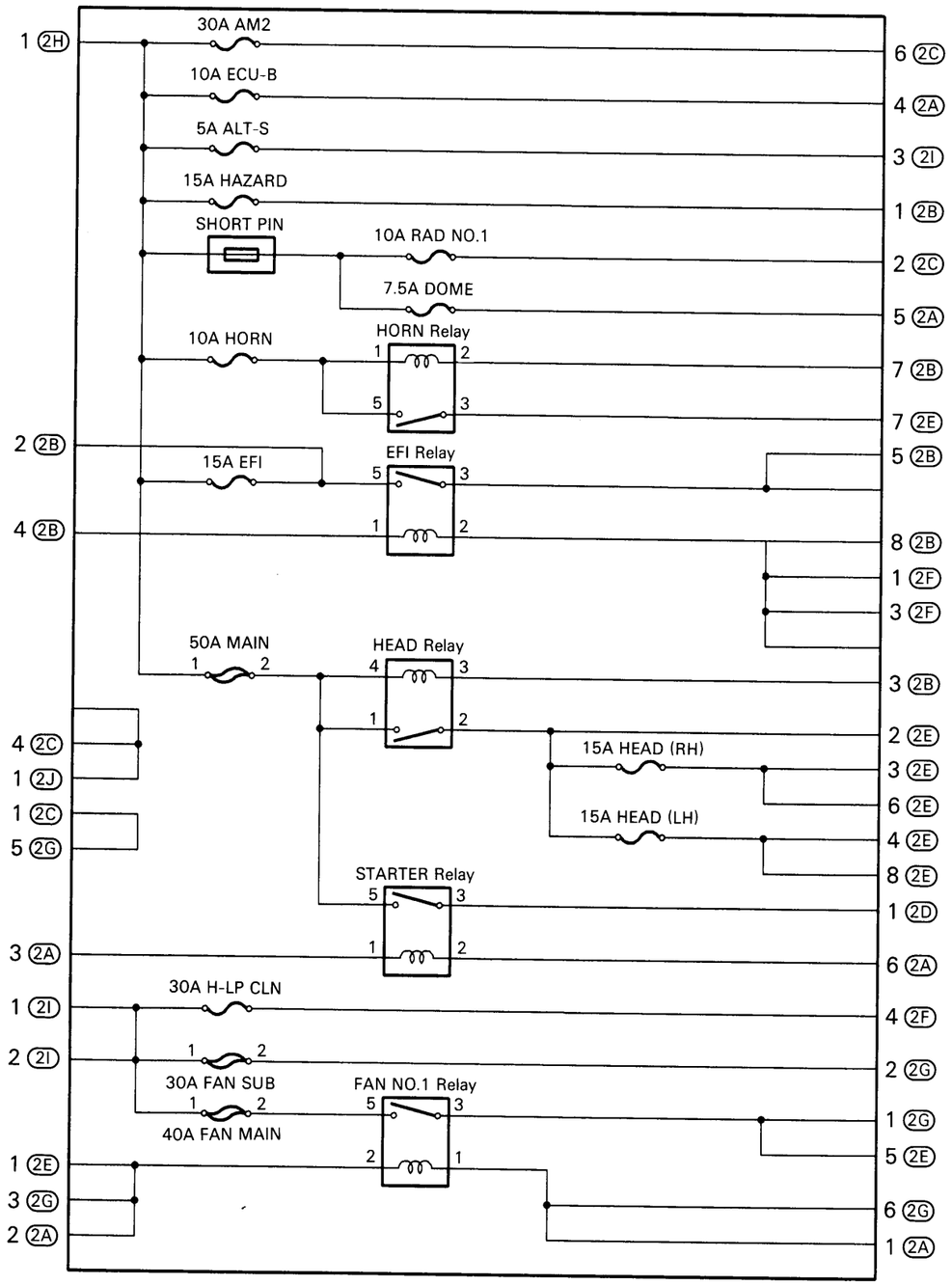
⬭ : Center J/B	LHD : Left Side of Heater Unit (See Page 51) RHD : Right Side of Heater Unit (See Page 51)



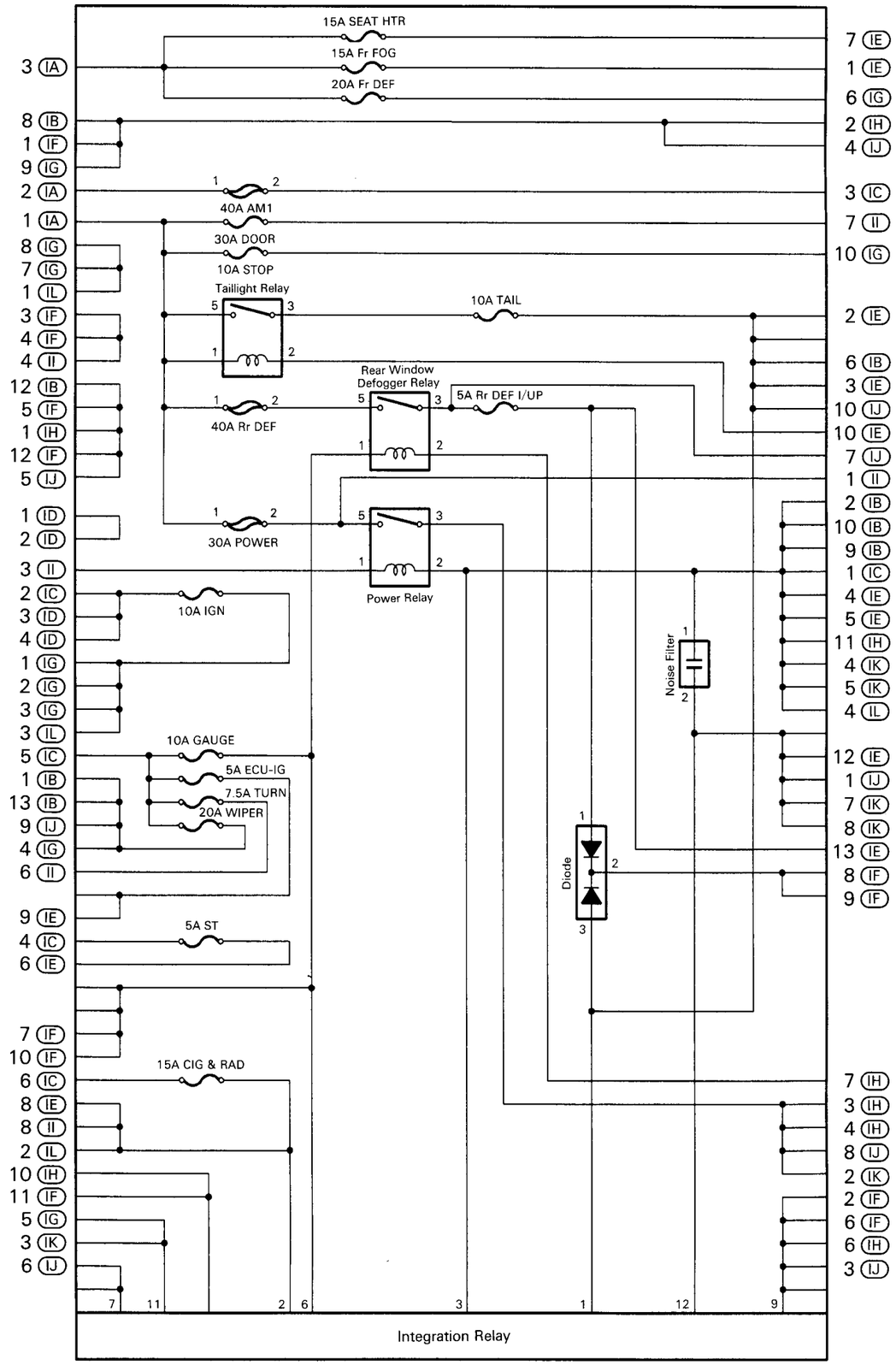
(Inner Circuit : See Page 64)



[Engine Room J/B Inner Circuit]

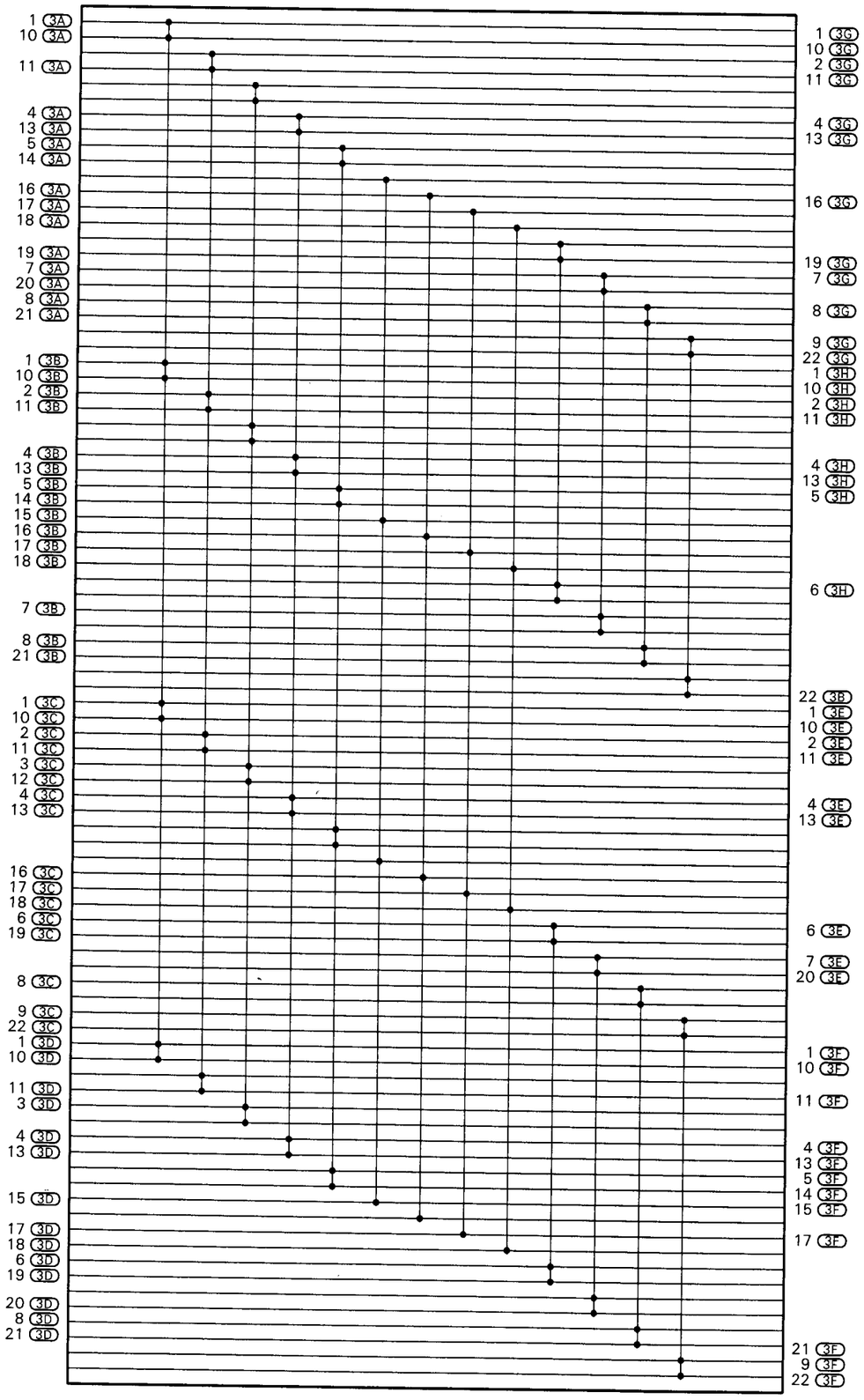


[Instrument Panel J/B Inner Circuit]



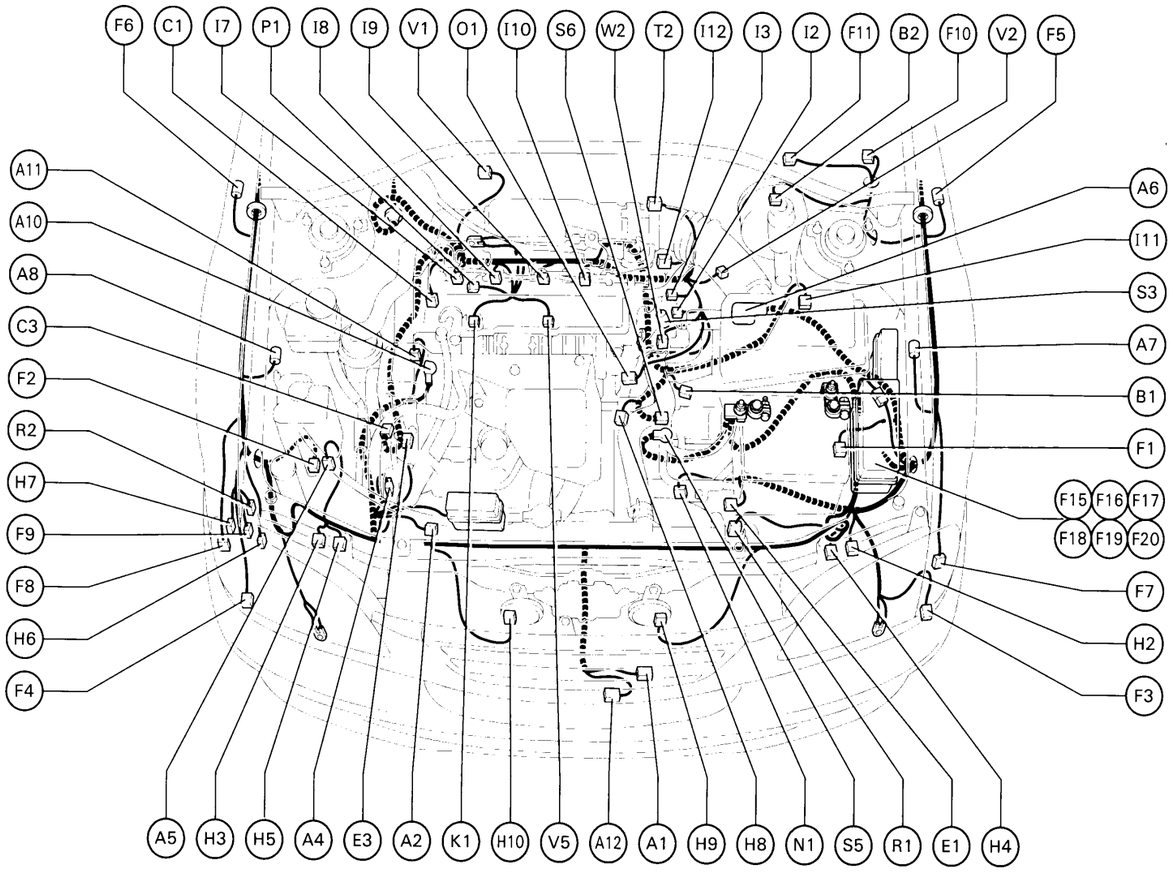
F RELAY LOCATIONS

[Center J/B Inner Circuit]



Position of Parts in Engine Compartment

[LHD : 3S-FE]

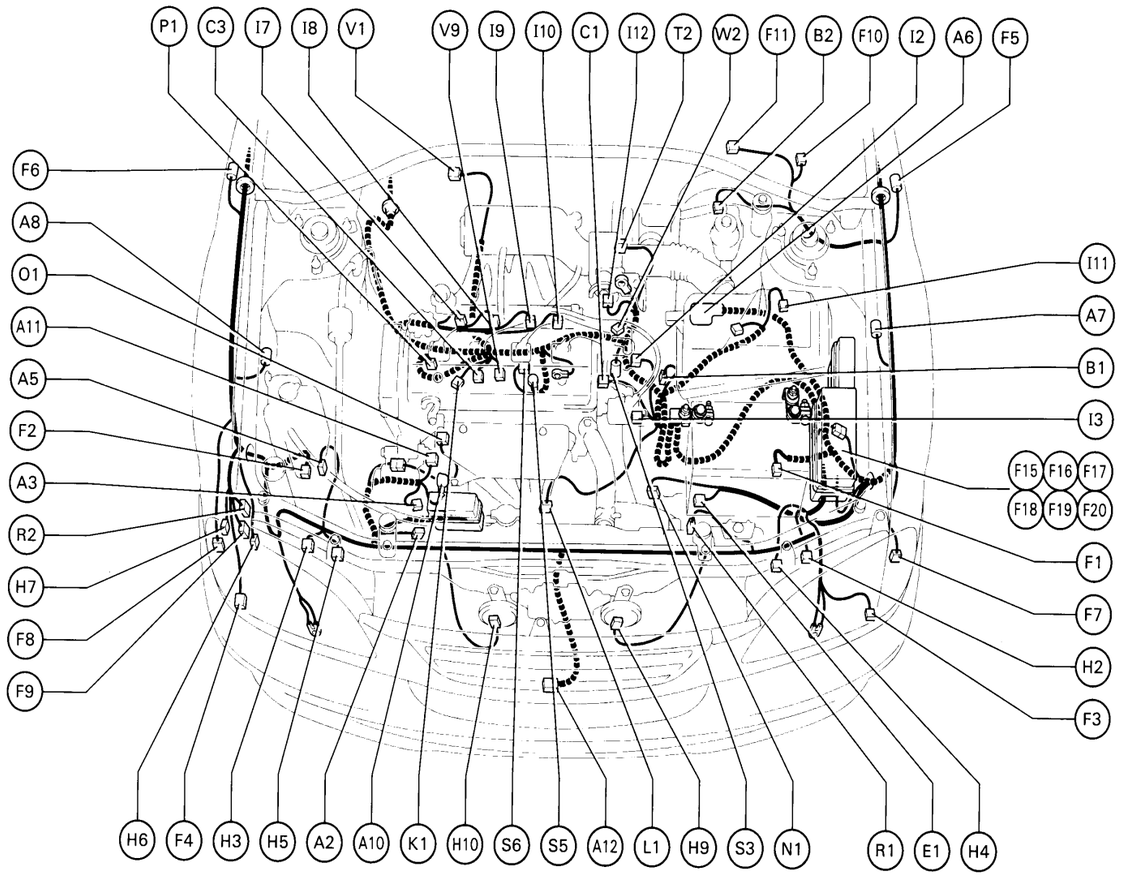


Position of Parts in Engine Compartment

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*	*Solenoide 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 golpeteo*
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	*Démarreur*	*Arrancador*
S 6	Starter	*Démarreur*	*Arrancador*
T 2	Throttle Position Sensor	*Capteur de position de papillon d'accélération*	*Sensor de posición del acelerador*
V 1	Vacuum Sensor	*Capteur de dépression*	*Sensor de vacío*
V 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]

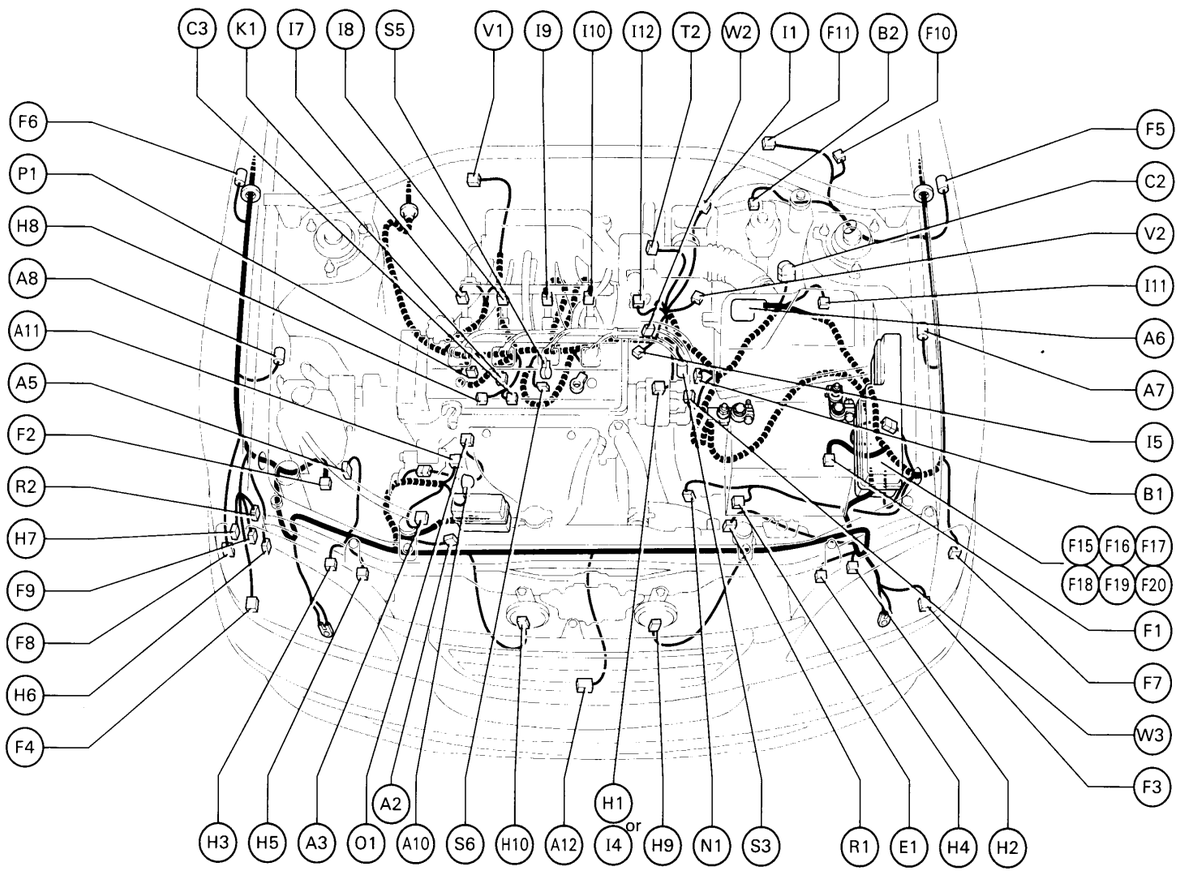


Position of Parts in Engine Compartment

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 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*	*Solenoide 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.°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 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*	*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	*Démarreur*	*Arrancador*
S 6	Starter	*Démarreur*	*Arrancador*
T 2	Throttle Position Sensor	*Capteur de position de papillon d'accélération*	*Sensor de posición del acelerador*
V 1	Vacuum Sensor	*Capteur de dépression*	*Sensor de vacío*
V 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*

Position of Parts in Engine Compartment

[LHD : 4A-FE Stoichiometric Type]

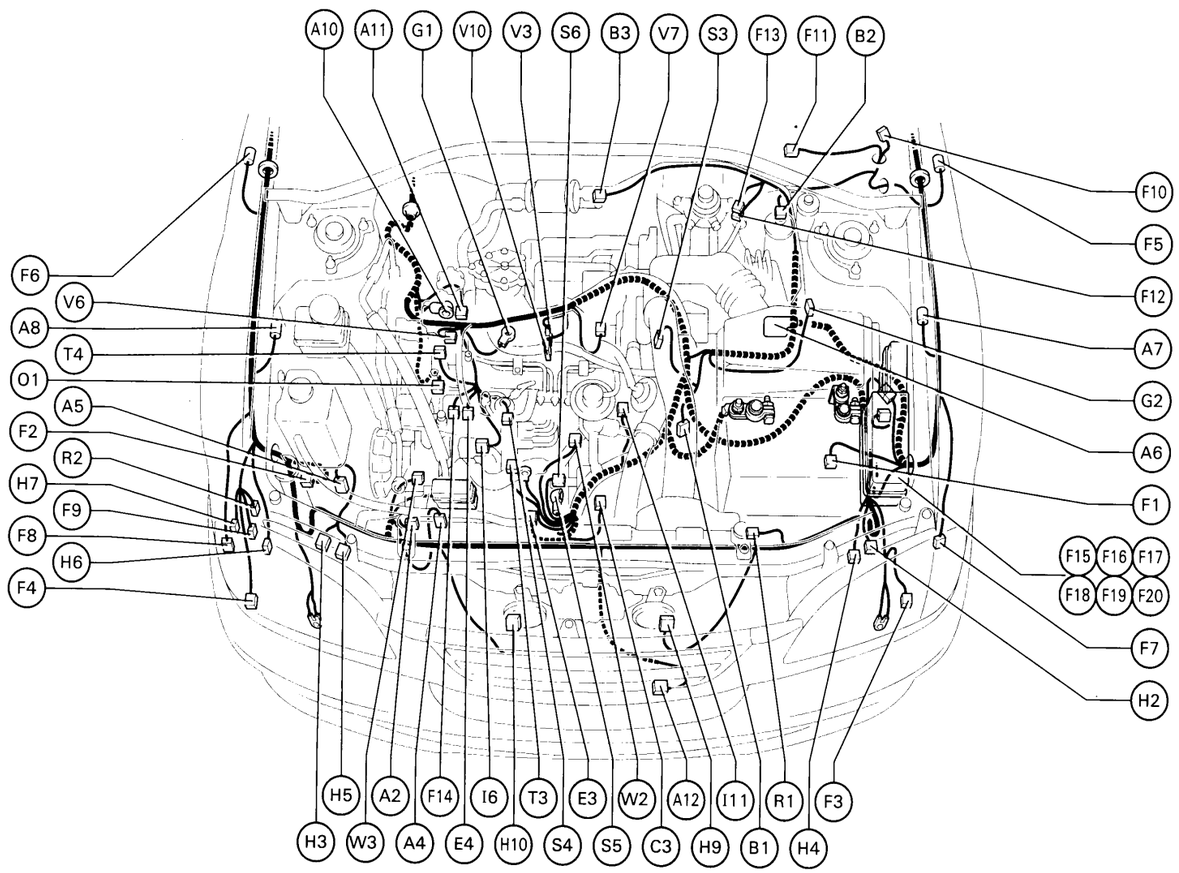


Position of Parts in Engine Compartment

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*	*Solenoide 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*	*Inyector N.° 1*
I 8	Injector No.2	*Injecteur no.2*	*Inyector N.° 2*
I 9	Injector No.3	*Injecteur no.3*	*Inyector N.° 3*
I 10	Injector No.4	*Injecteur no.4*	*Inyector N.° 4*
I 11	Intake Air Temp. Sensor	*Capteur de température d'air d'admission*	*Sensor de la temperatura del aire de admisión*
I 12	ISC Valve	*Soupape ISC*	*Válvula de ISC*
K 1	Knock Sensor	*Capteur de cognement moteur*	*Sensor de golpeteo*
N 1	Neutral Start SW	*Contacteur de démarrage au point mort*	*Interruptor de arranque en punto muerto*
O 1	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	*Démarreur*	*Arrancador*
S 6	Starter	*Démarreur*	*Arrancador*
T 2	Throttle Position Sensor	*Capteur de position de papillon d'accélération*	*Sensor de posición del acelerador*
V 1	Vacuum Sensor	*Capteur de dépression*	*Sensor de vacío*
V 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]

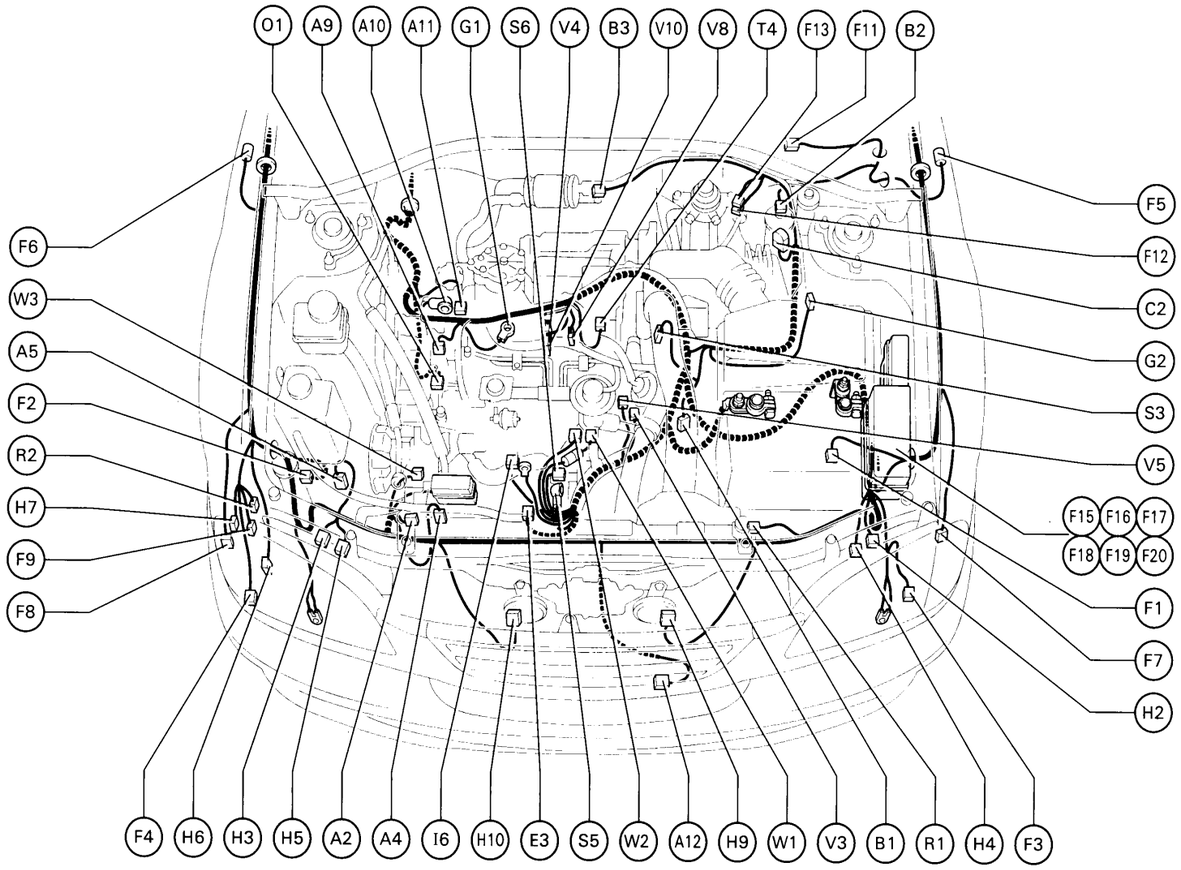


Position of Parts in Engine Compartment

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	*Démarreur*	*Arrancador*
S 6	Starter	*Démarreur*	*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 (abertura 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]



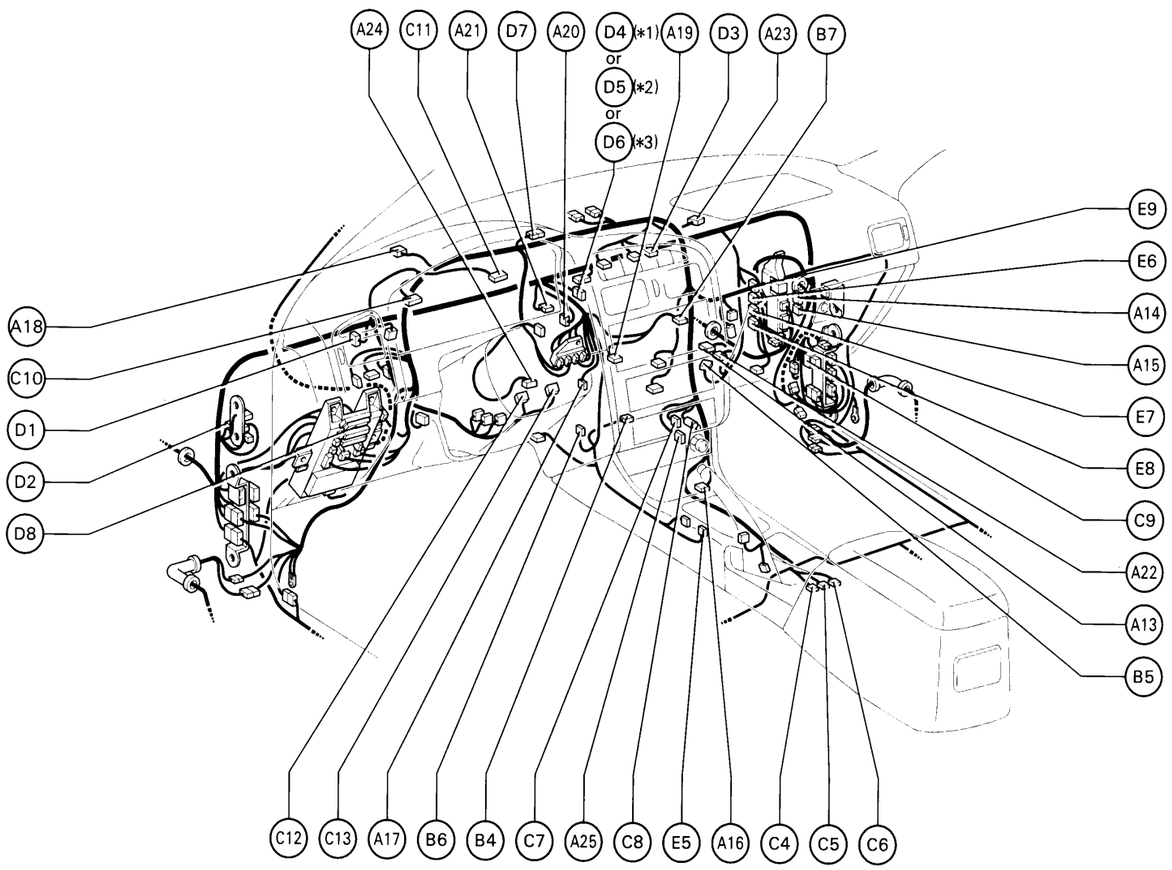
Position of Parts in Engine Compartment

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	*Démarreur*	*Arrancador*
S 6	Starter	*Démarreur*	*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*

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

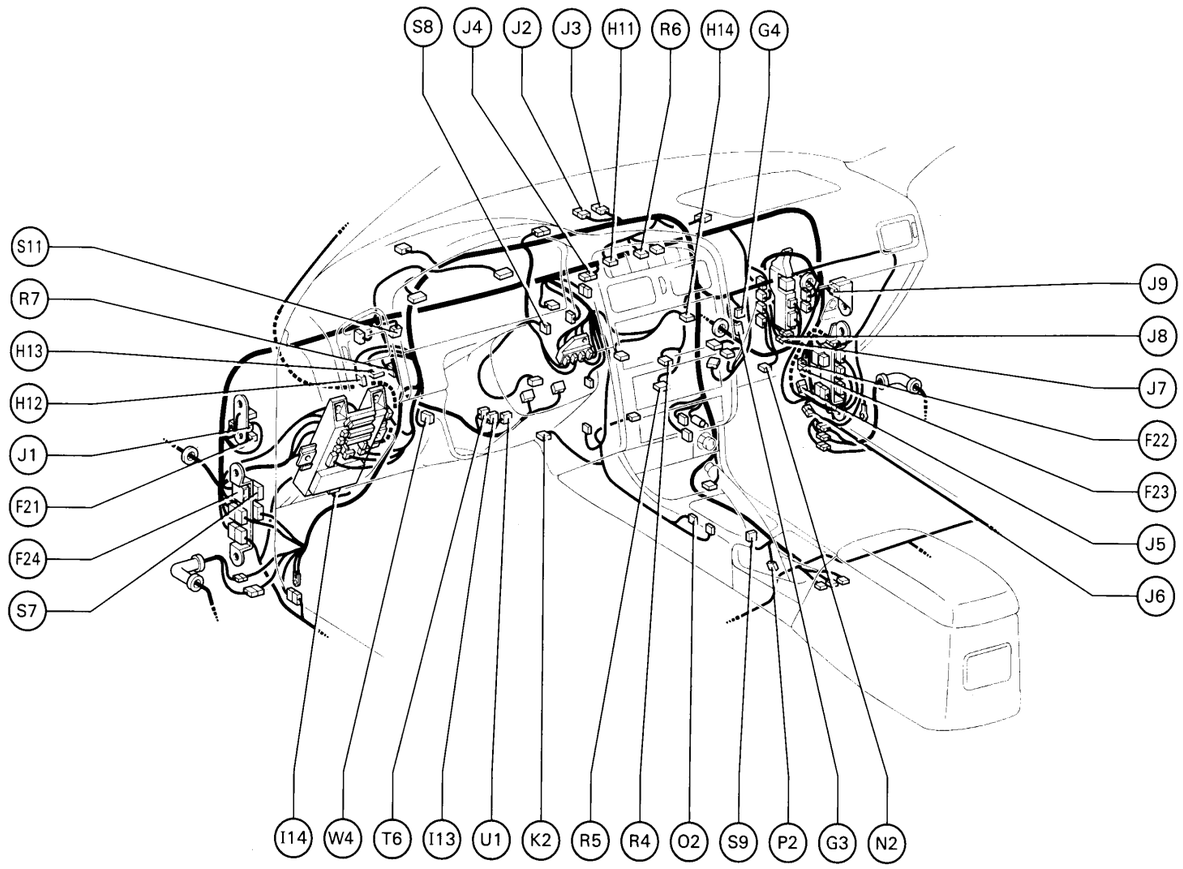


Position of Parts in Instrument Panel

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'evaporateur 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*	*Iluminación del cenicero*
B 4	Blower Controller	*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*	*Iluminación 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 ralentí)*
D 6	Diode (Idle-Up)	*Diode (de régime ralenti accéléré)*	*Diodo (aumento del ralentí)*
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]



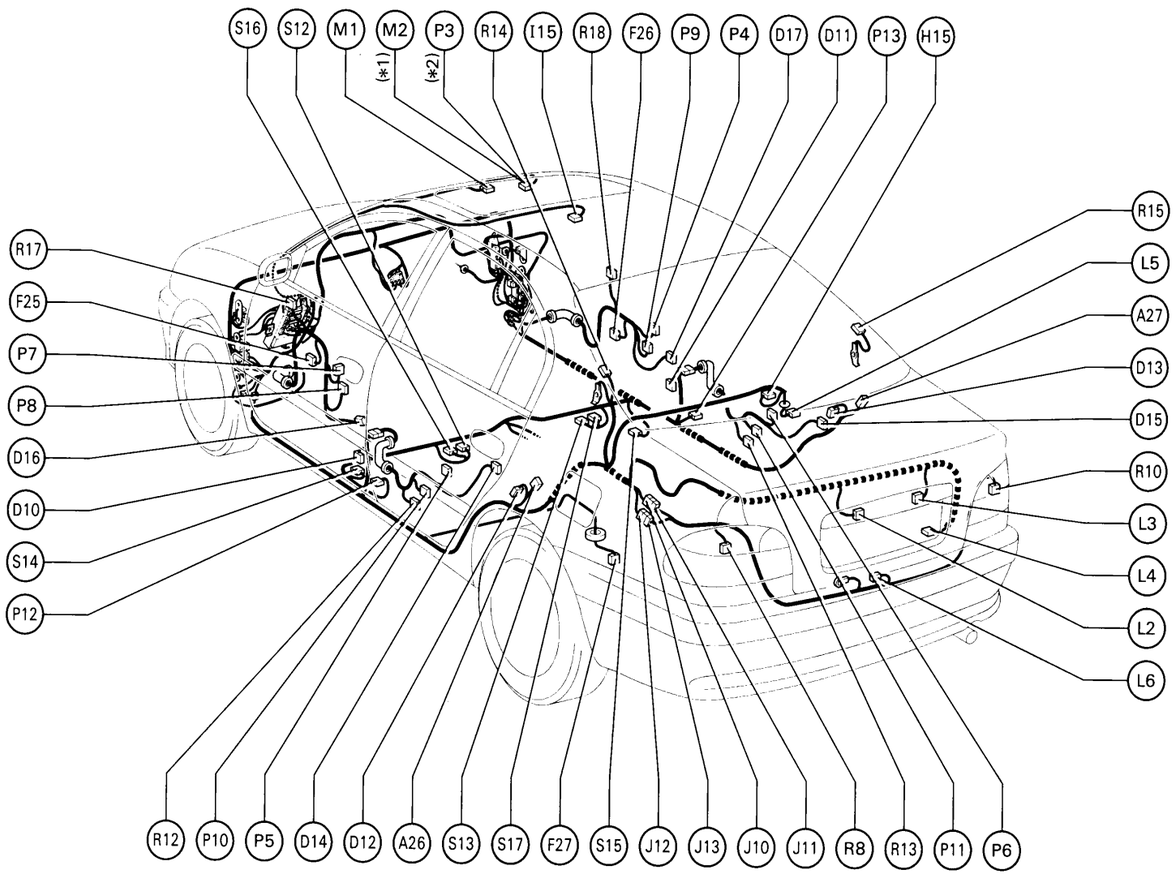
Position of Parts in Instrument Panel

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



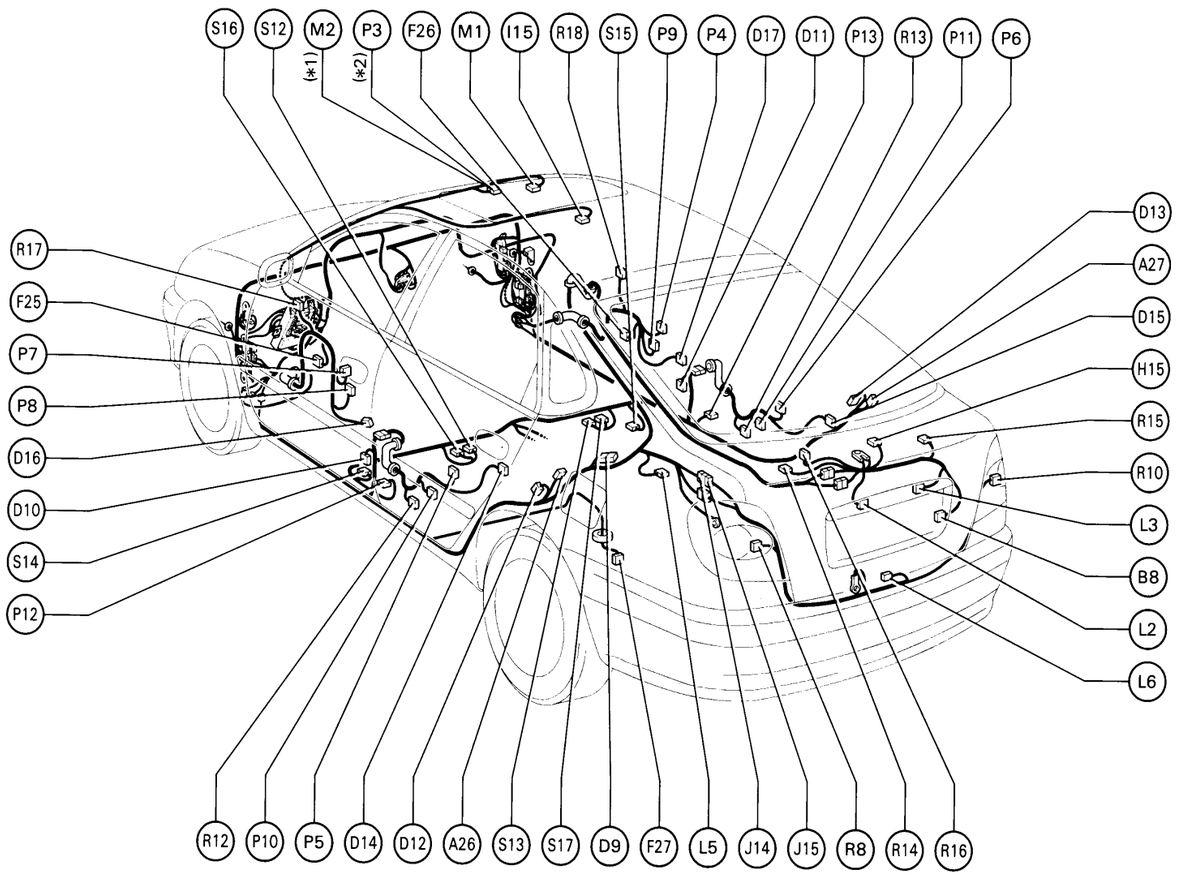
Position of Parts in Body

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'eclairage 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



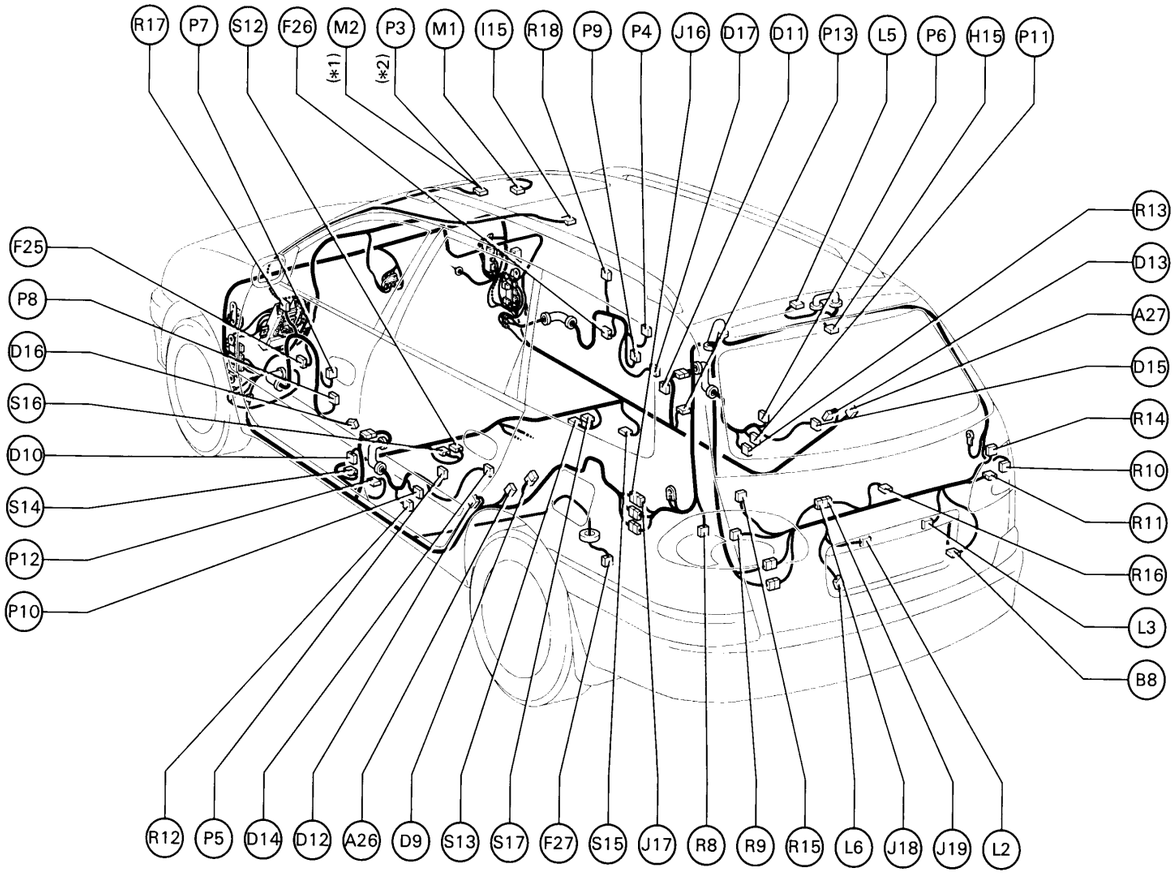
Position of Parts in Body

Code	English	*Français*	*Español*
A 26	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 (eclairage 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 14	Junction Connector	*Bloc raccord de jonction*	*Conector de enlace*
J 15	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'eclairage 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 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*

Position of Parts in Body

[LHD : W/G]

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

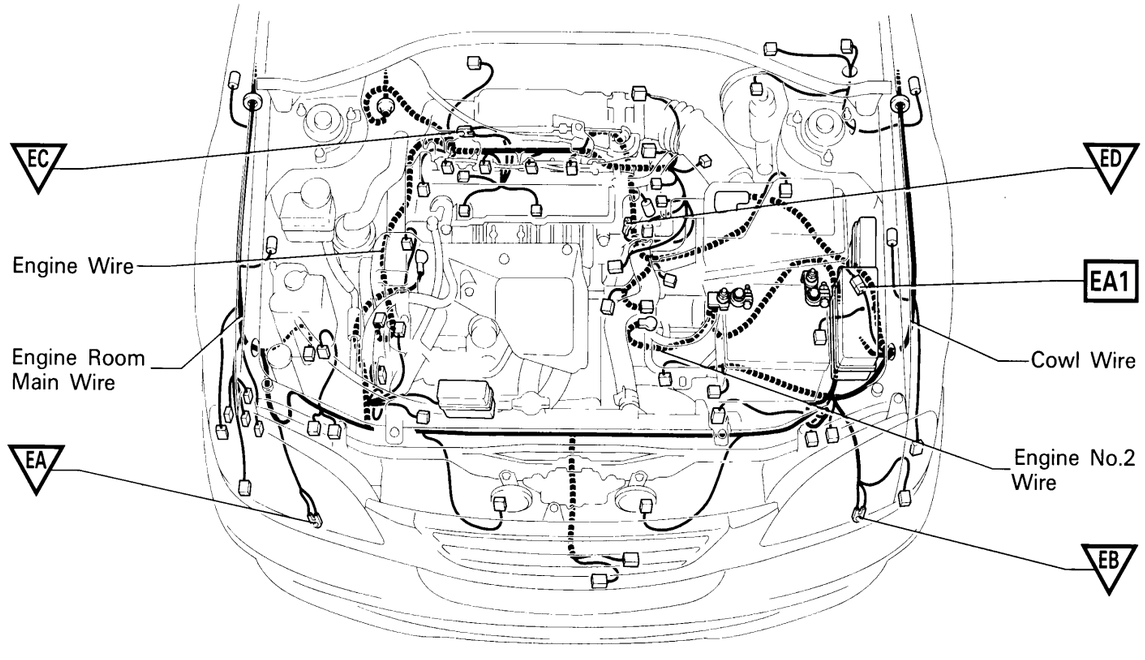


Position of Parts in Body

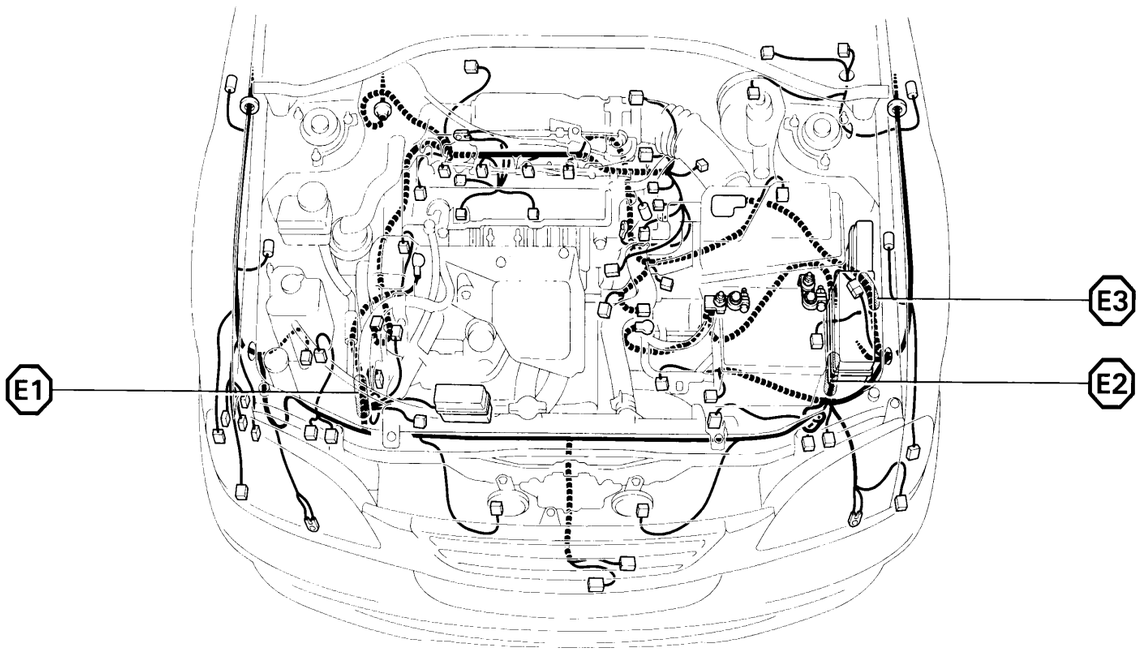
Code	English	*Français*	*Español*
A 26	ABS Speed Sensor Rear LH	*Capteur de vitesse de ABS arrière gauche*	*Sensor de velocidad de ABS, trasero izquierdo*
A 27	ABS Speed Sensor Rear RH	*Capteur de vitesse de ABS arrière droit*	*Sensor de velocidad de ABS, trasero derecho*
B 8	Back Door Lock Motor	*Moteur de condamnation de hayon*	*Motor de bloqueo de la puerta posterior*
D 9	Diode (Luggage Room Light)	*Diode (eclairage 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'eclairage 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*

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

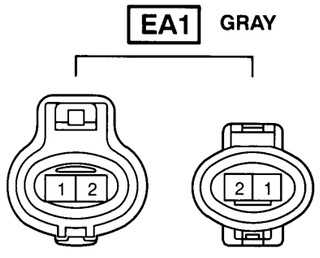
[LHD : 3S-FE]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

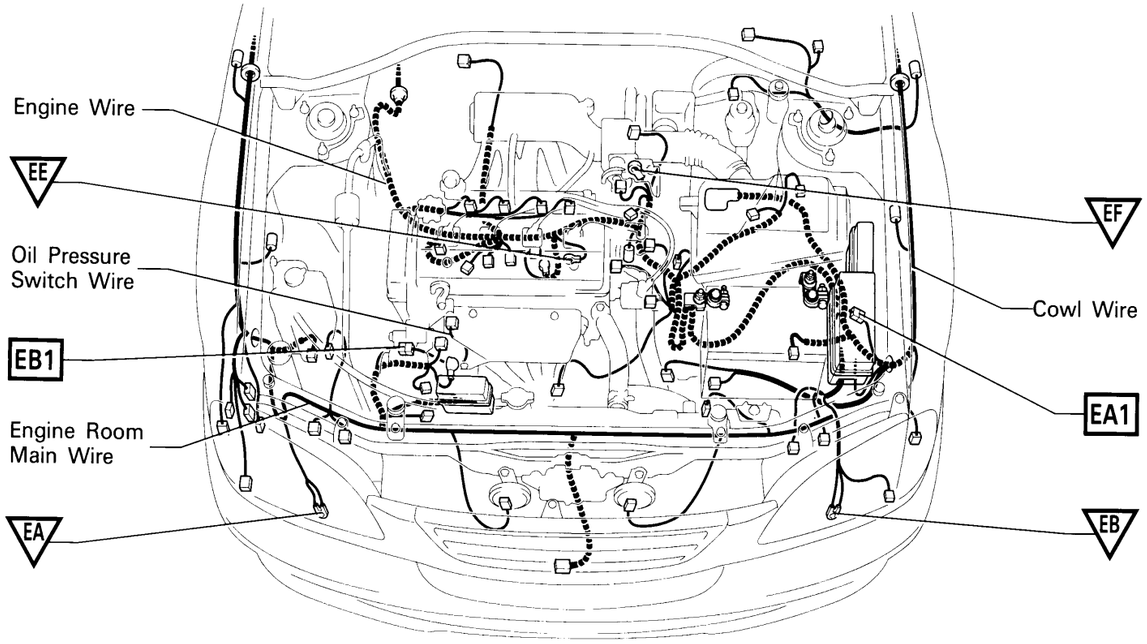


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)

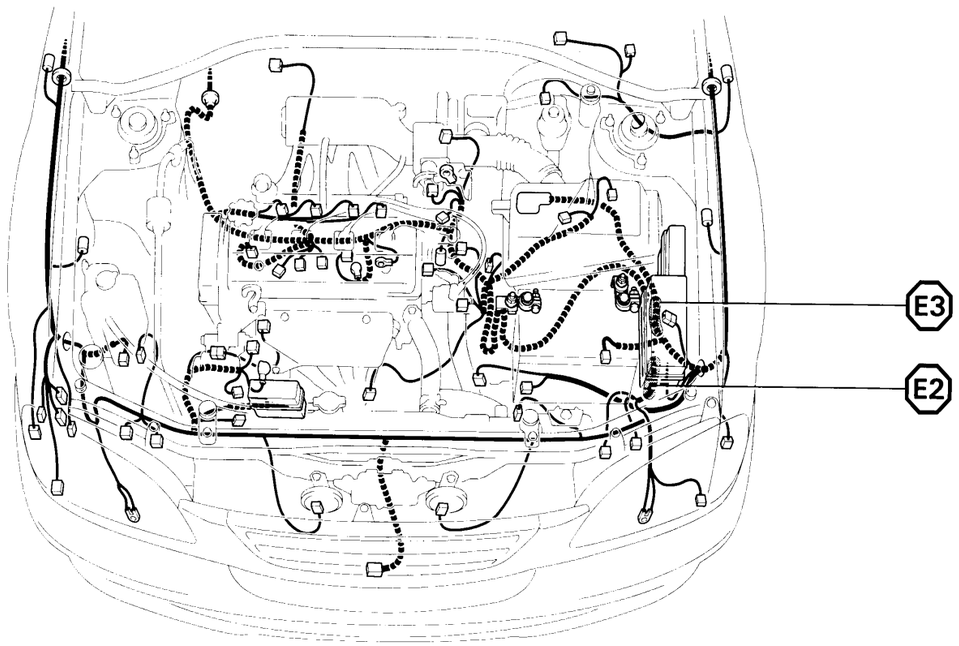
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

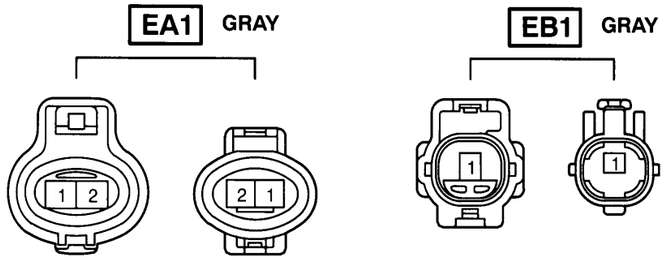
[LHD : 7A-FE, 4A-FE Lean Burn Type]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

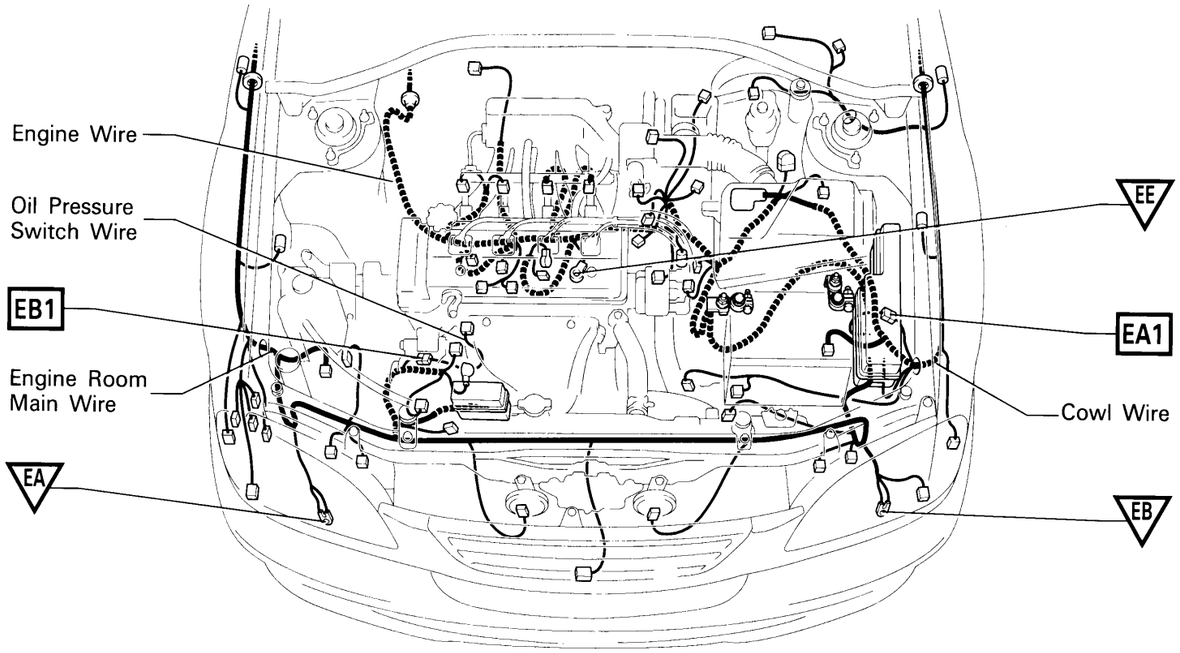


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
EB1	Oil Pressure Switch Wire and Engine Room Main Wire (Near the Alternator)

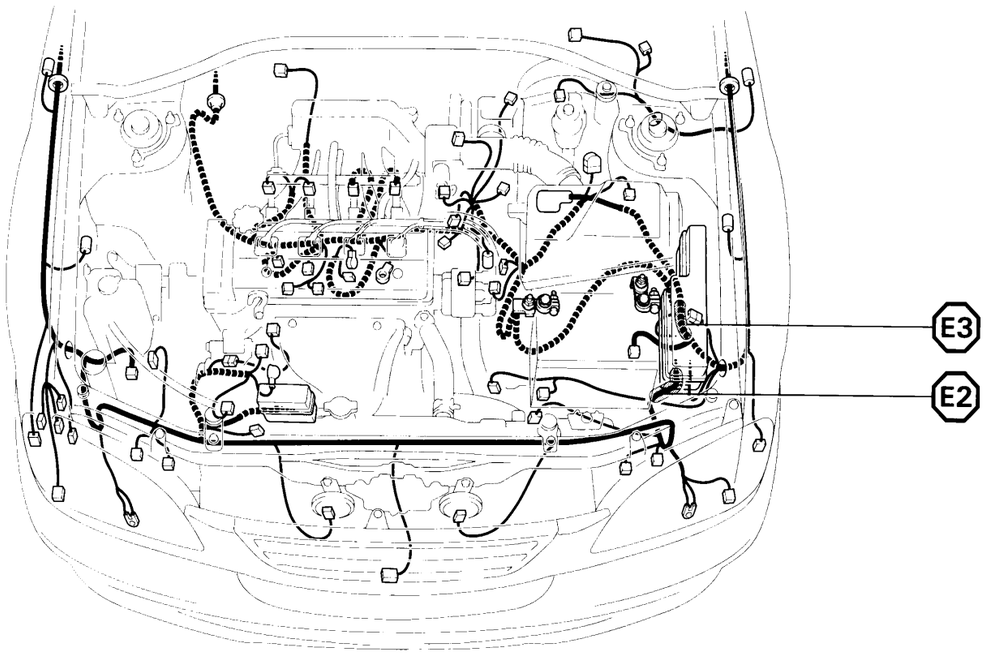
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

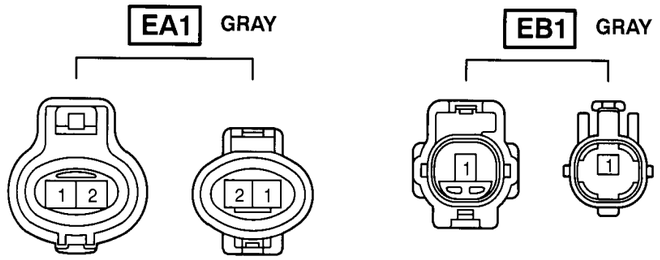
[LHD : 4A-FE Stoichiometric Type]



⬡ : Location of Splice Points



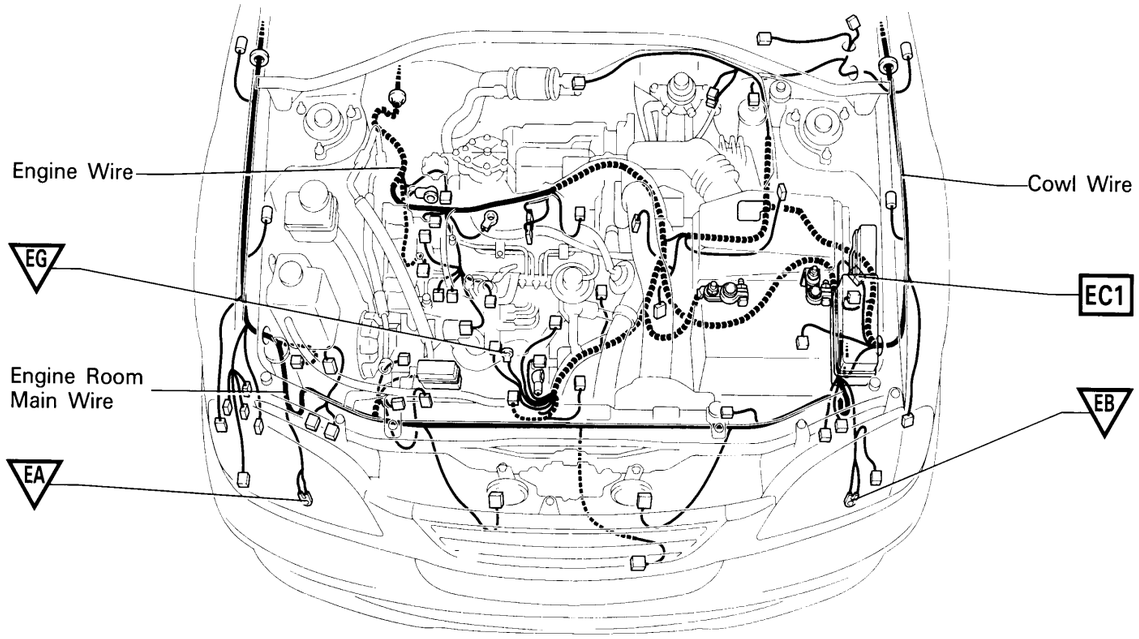
Connector Joining Wire Harness and Wire Harness



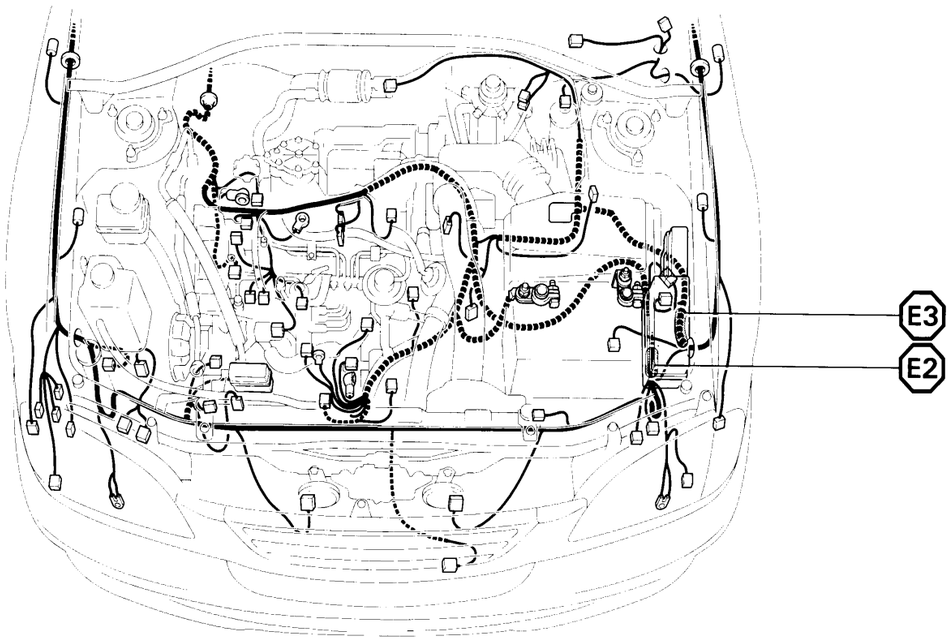
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
EB1	Oil Pressure Switch Wire and Engine Room Main Wire (Near the Alternator)

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

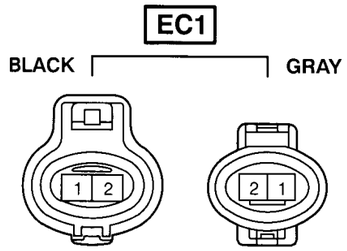
[LHD : 2C-TE]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

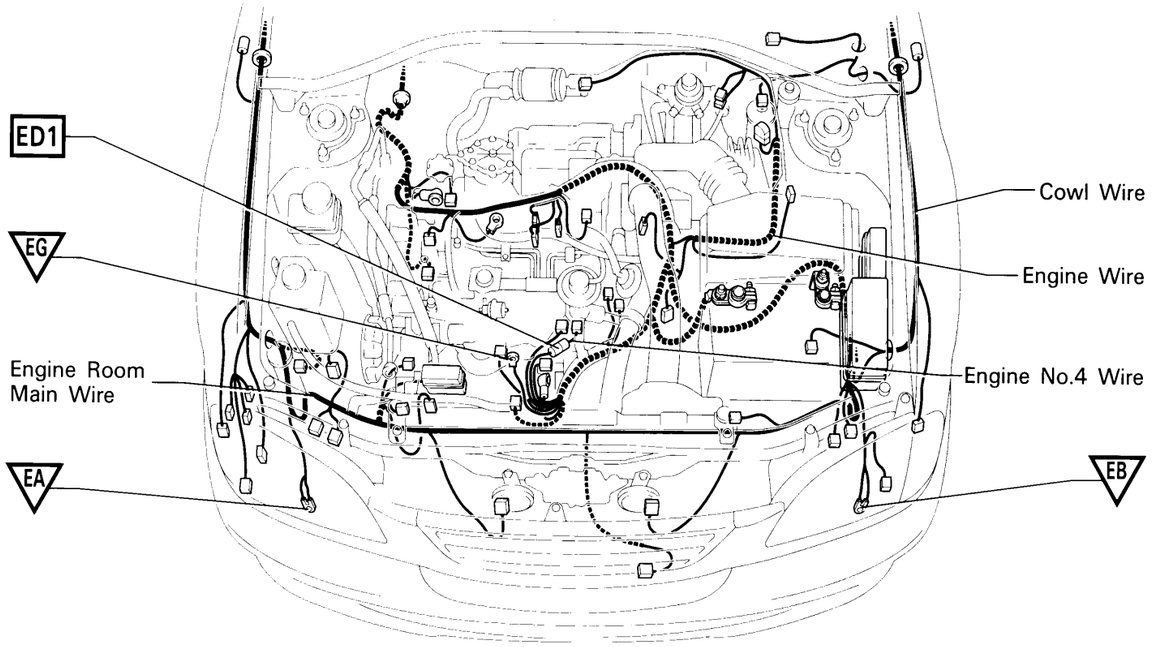


Code	Joining Wire Harness and Wire Harness (Connector Location)
EC1	Engine Wire and Cowl Wire (Under the Engine Room J/B)

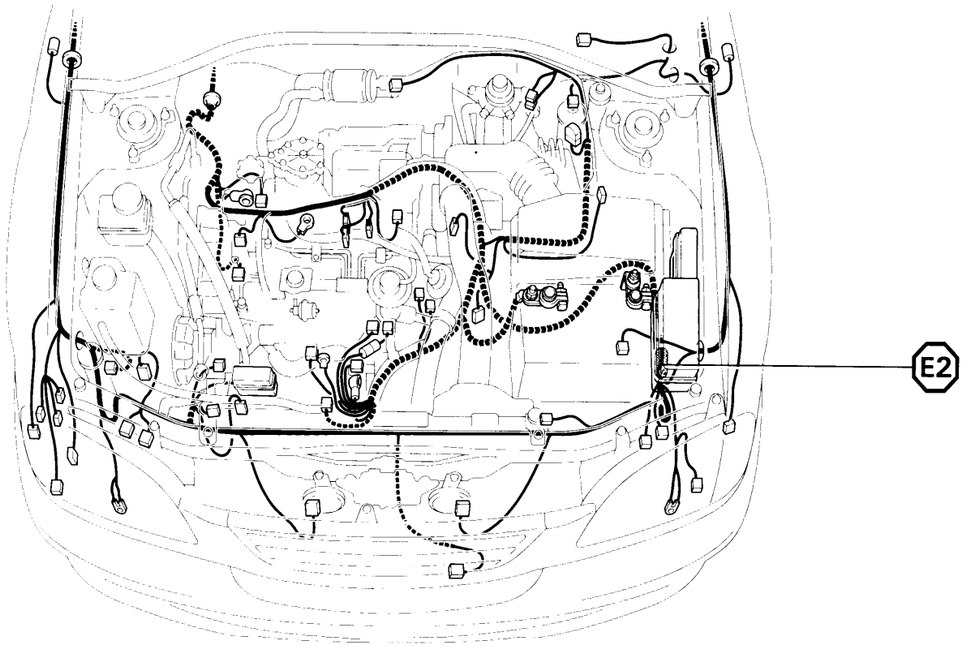
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

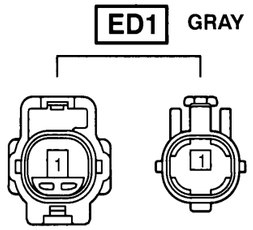
[LHD : 2C-T]



○ : Location of Splice Points



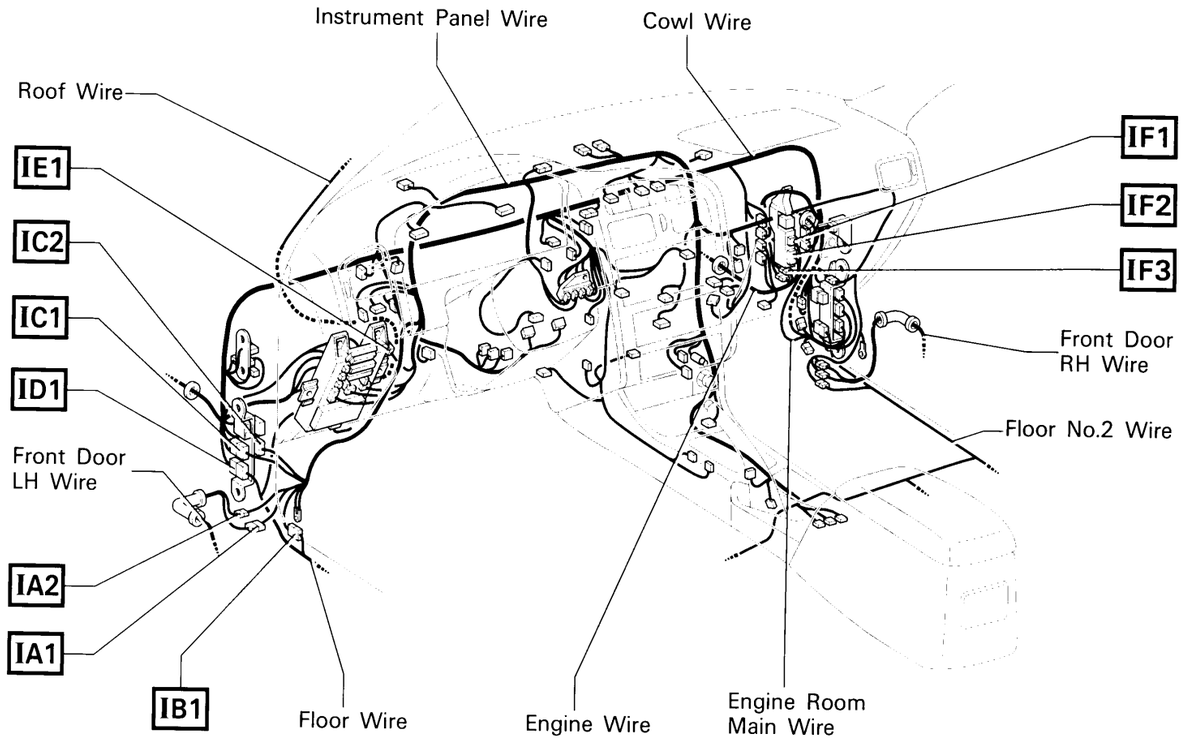
Connector Joining Wire Harness and Wire Harness



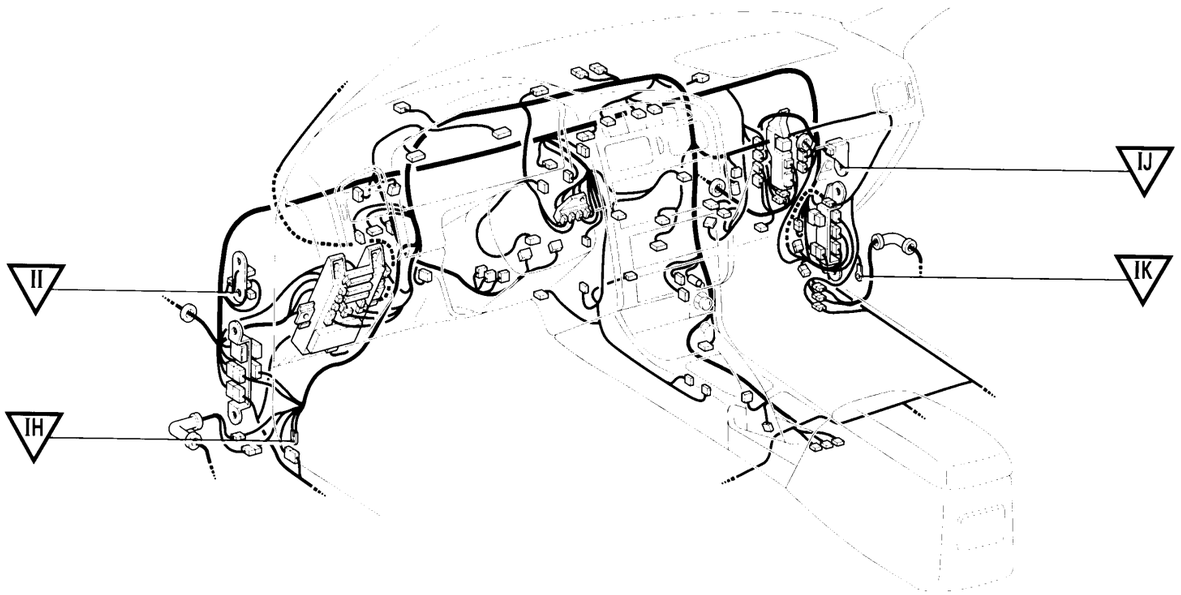
Code	Joining Wire Harness and Wire Harness (Connector Location)
ED1	Engine No.4 Wire and Engine Wire (Near the Starter)

▭ : Location of Connector Joining Wire Harness and Wire Harness

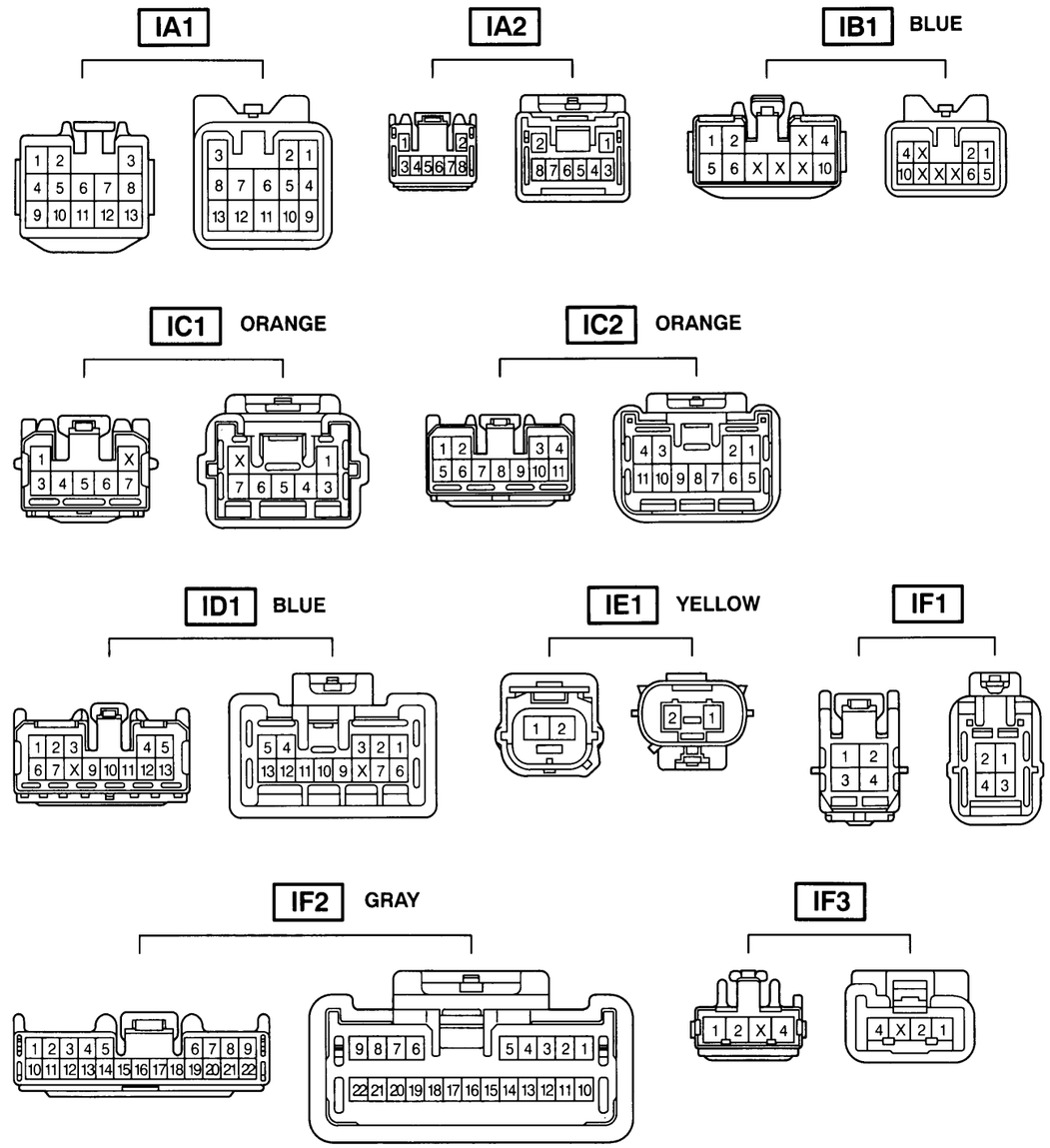
[LHD]



▽ : Location of Ground Points



Connector Joining Wire Harness and Wire Harness

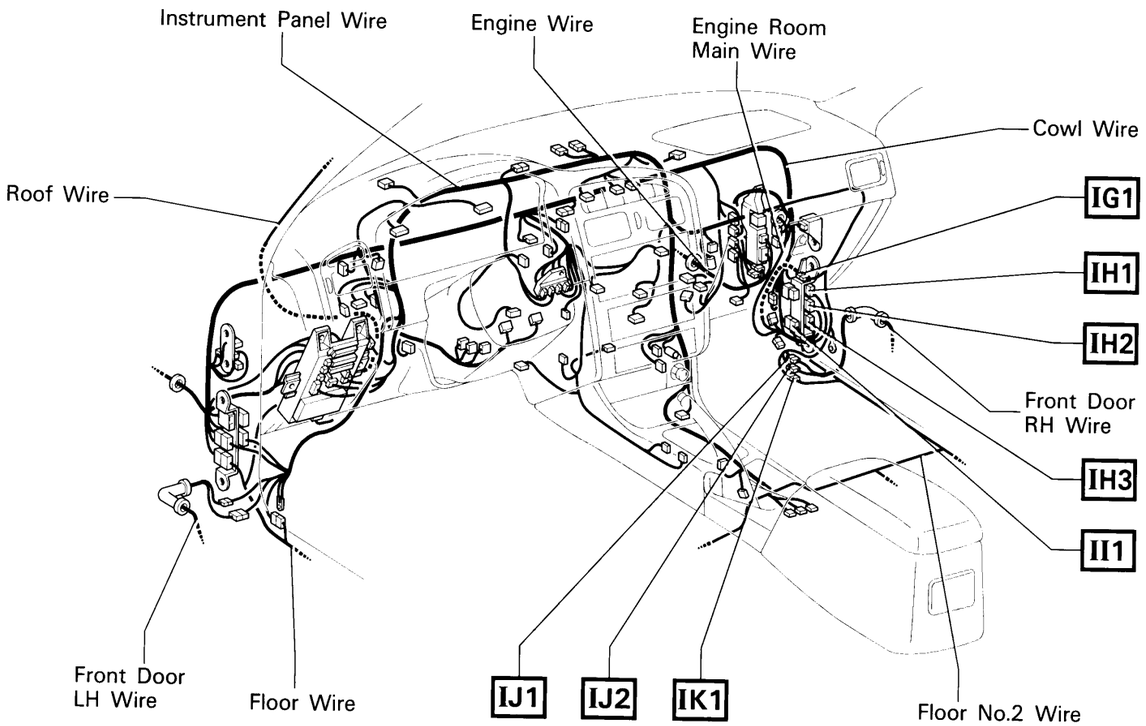


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC1	Instrument Panel Wire and Cowl Wire (Left Kick Panel)
IC2	
ID1	Floor Wire and Cowl Wire (Left Kick Panel)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

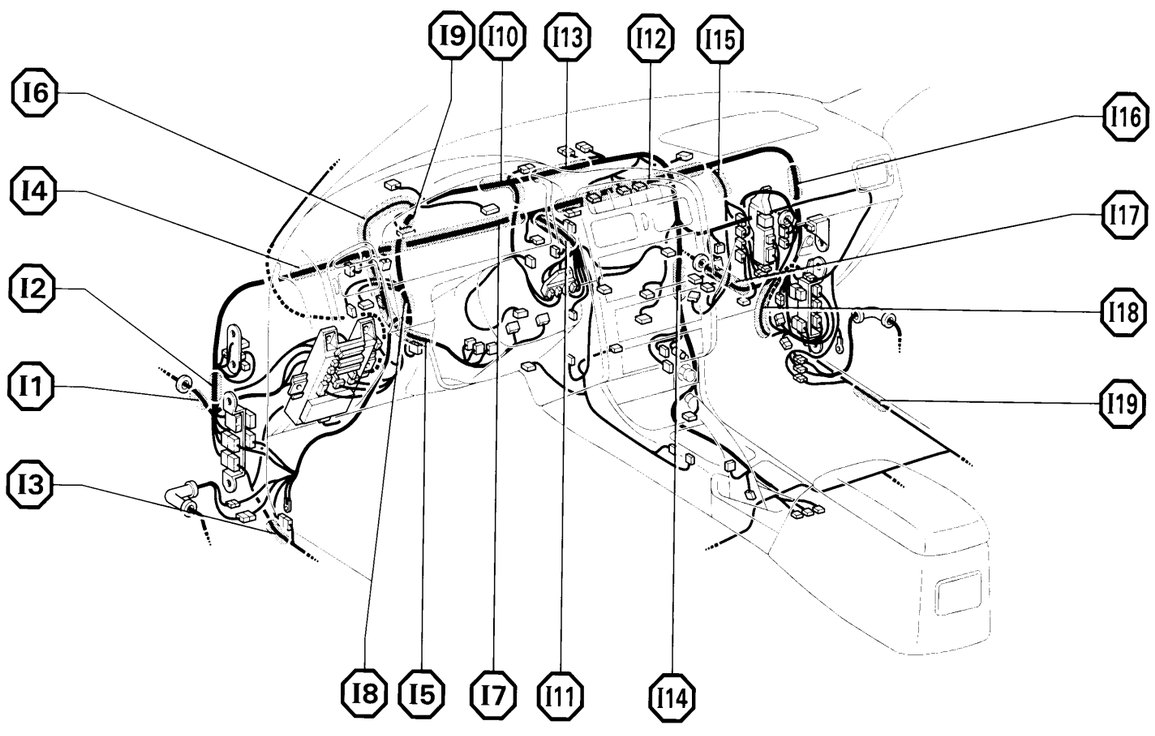
G ELECTRICAL WIRING ROUTING

▭ : Location of Connector Joining Wire Harness and Wire Harness

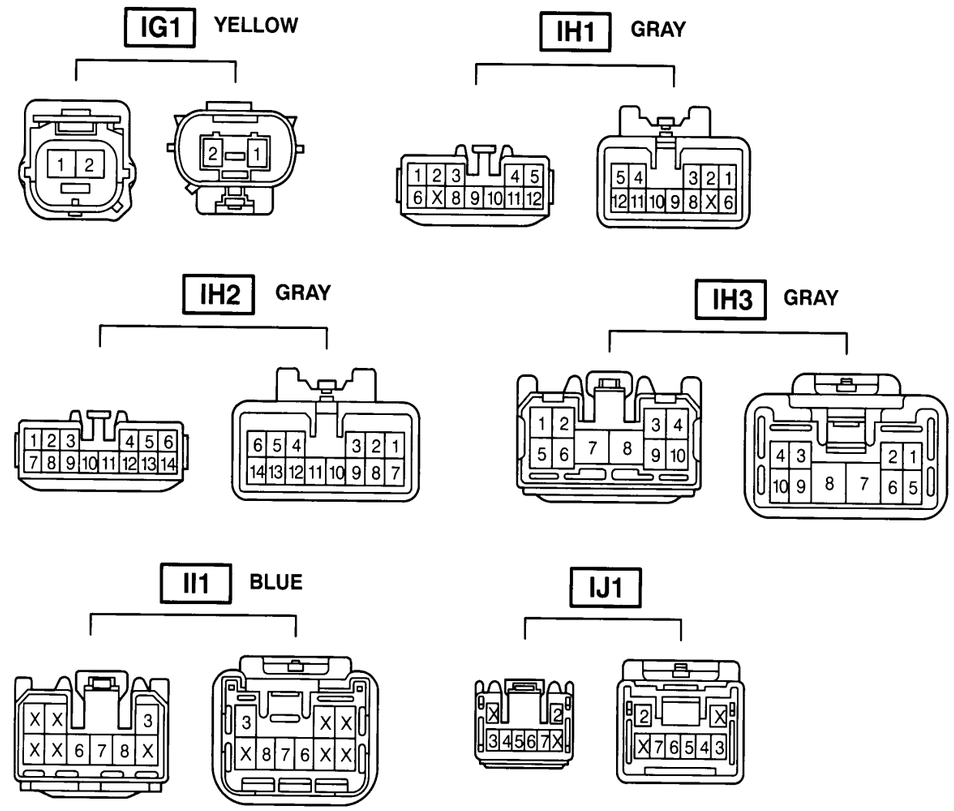
[LHD]

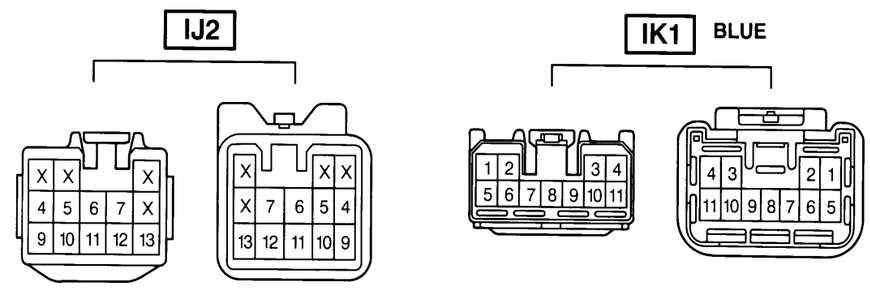


○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



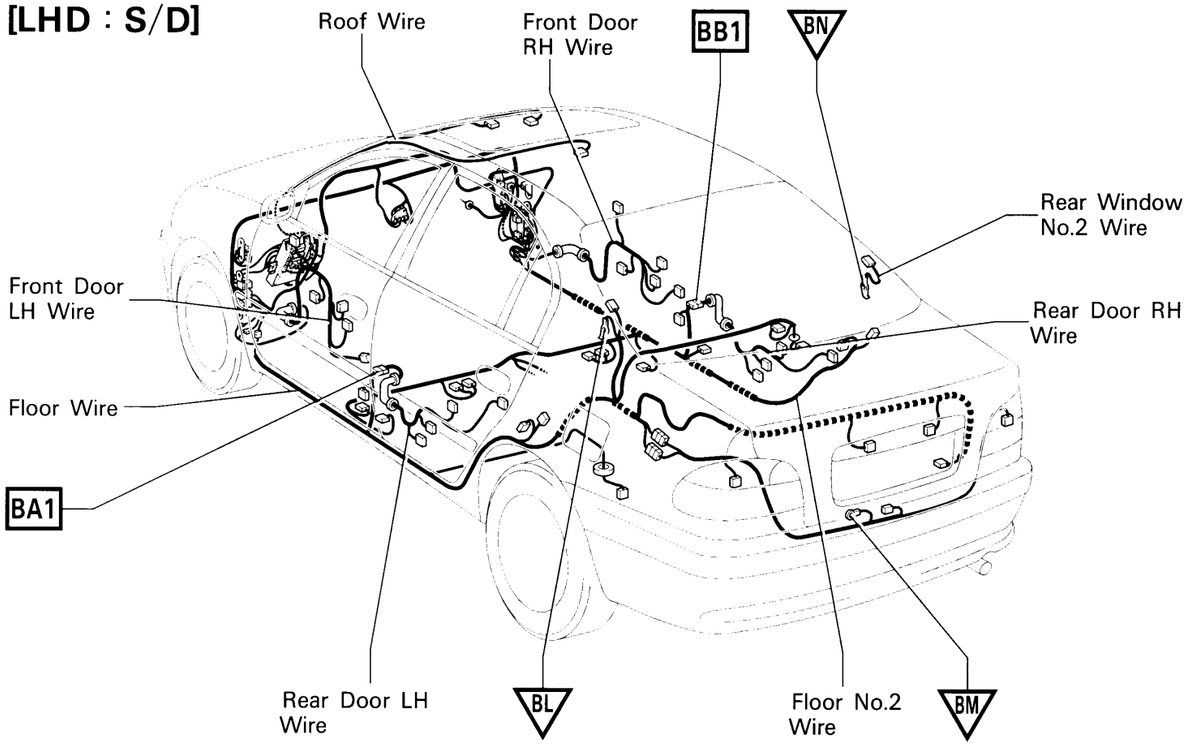


Code	Joining Wire Harness and Wire Harness (Connector Location)
IG1	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IH1	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IH2	
IH3	
II1	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
IJ1	Front Door RH Wire and Instrument Panel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

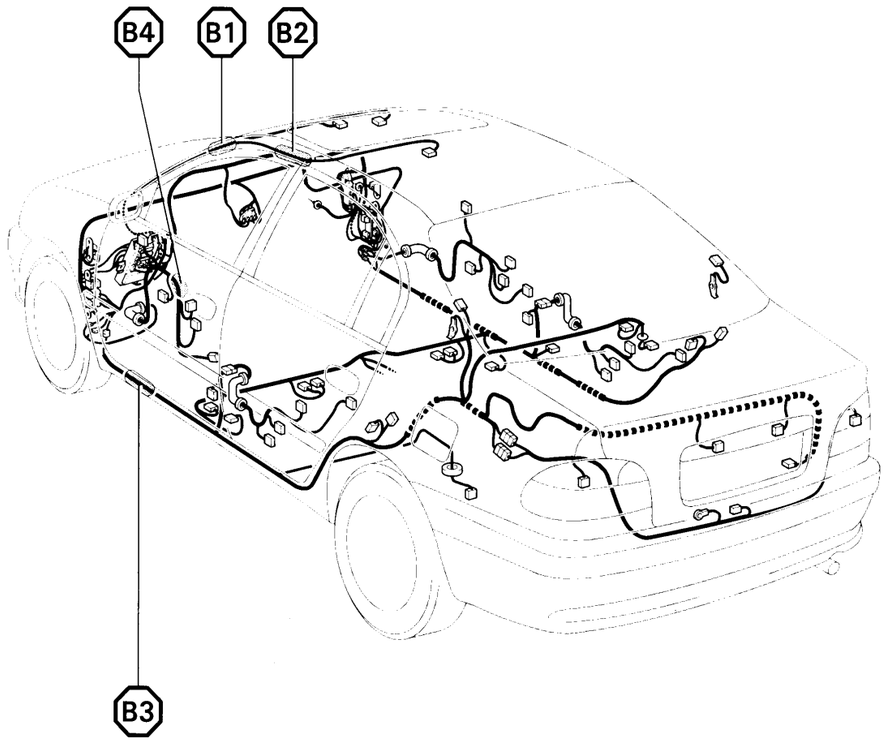
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

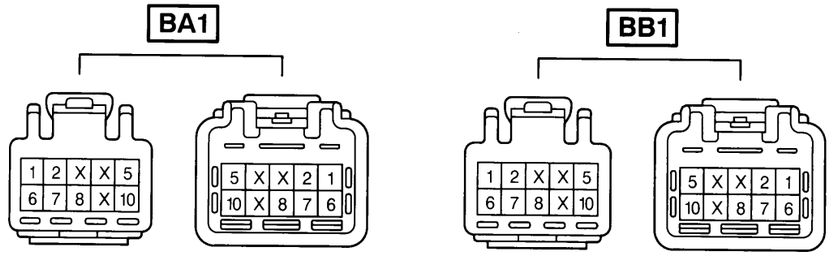
[LHD : S/D]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



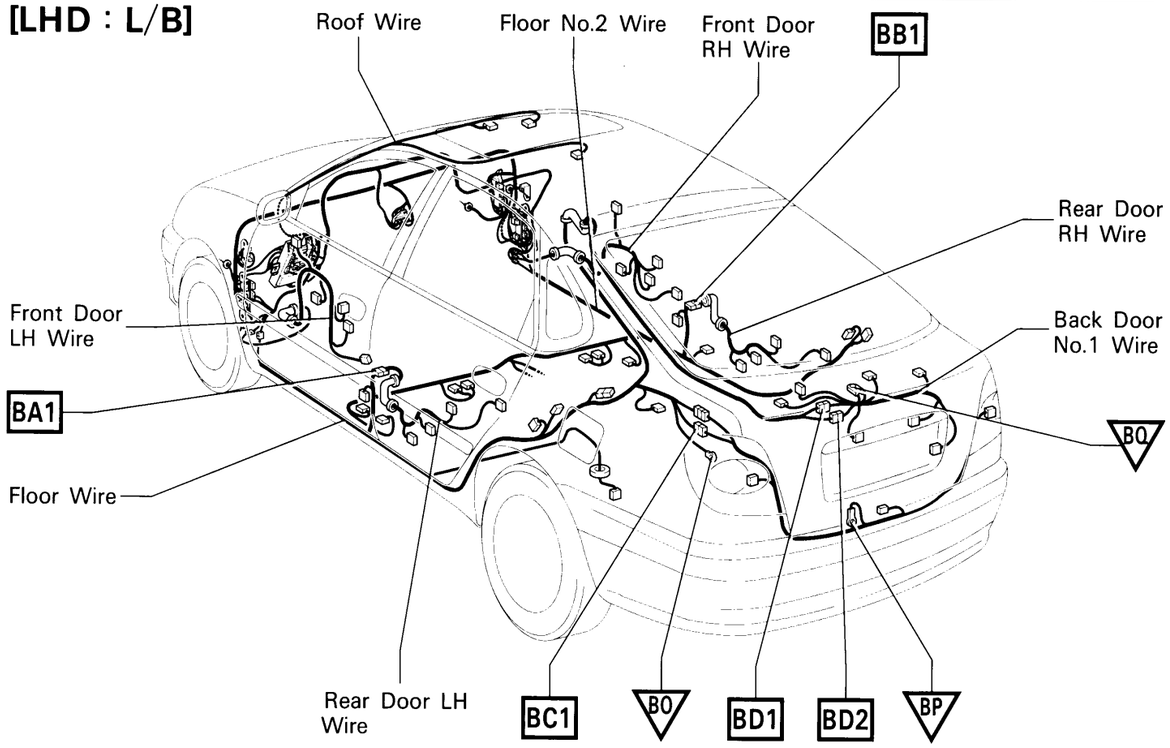
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)

English

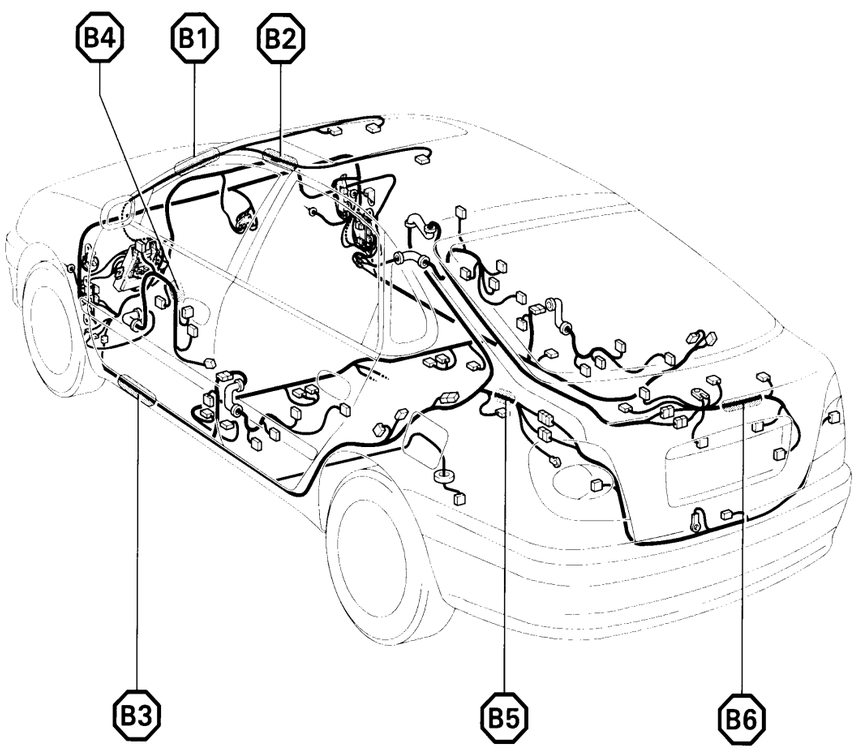
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

[LHD : L/B]

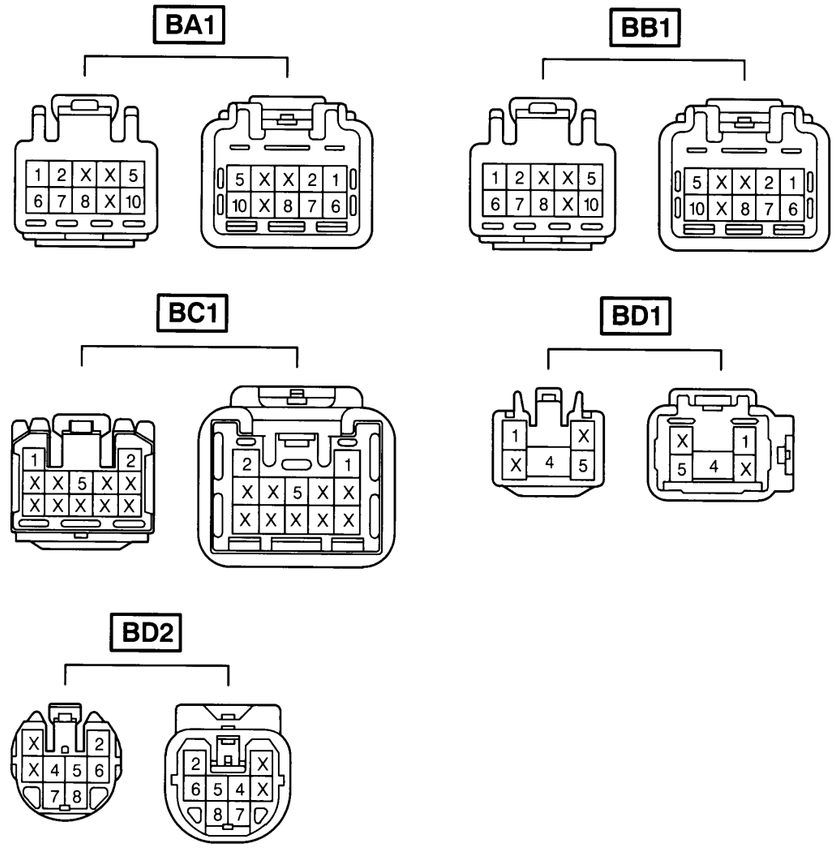


○ : Location of Splice Points



English

Connector Joining Wire Harness and Wire Harness

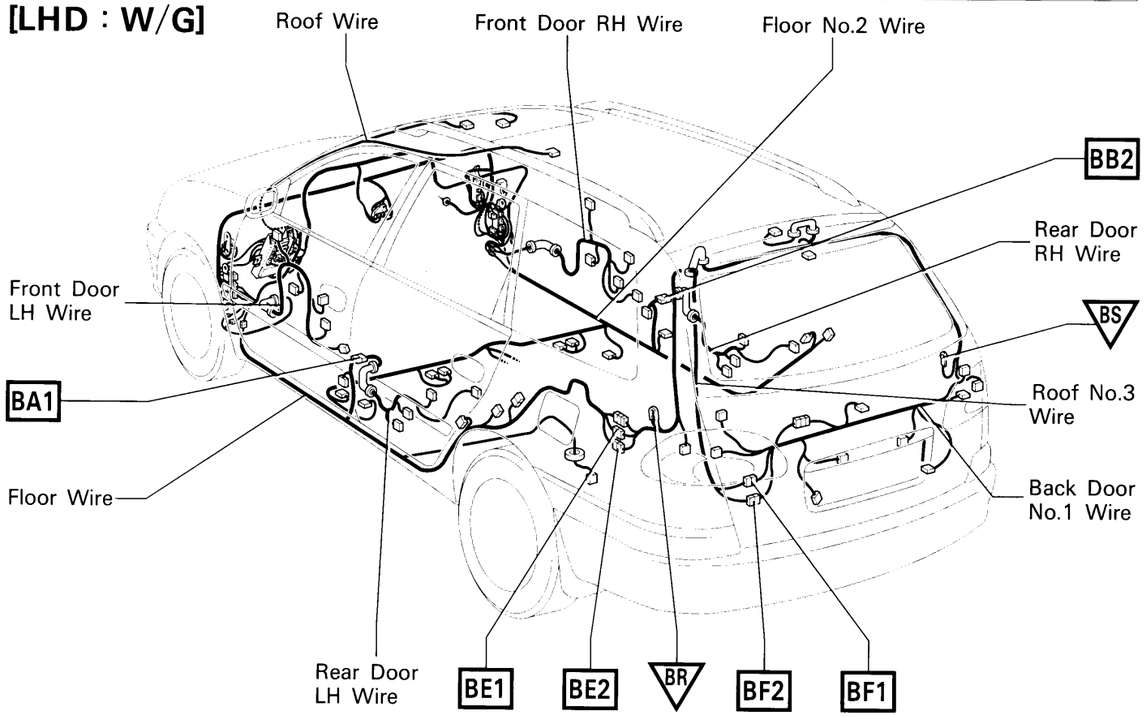


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
BC1	Floor Wire and Floor Wire (Under the Left Quarter Pillar)
BD1	Floor Wire and Back Door No.1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

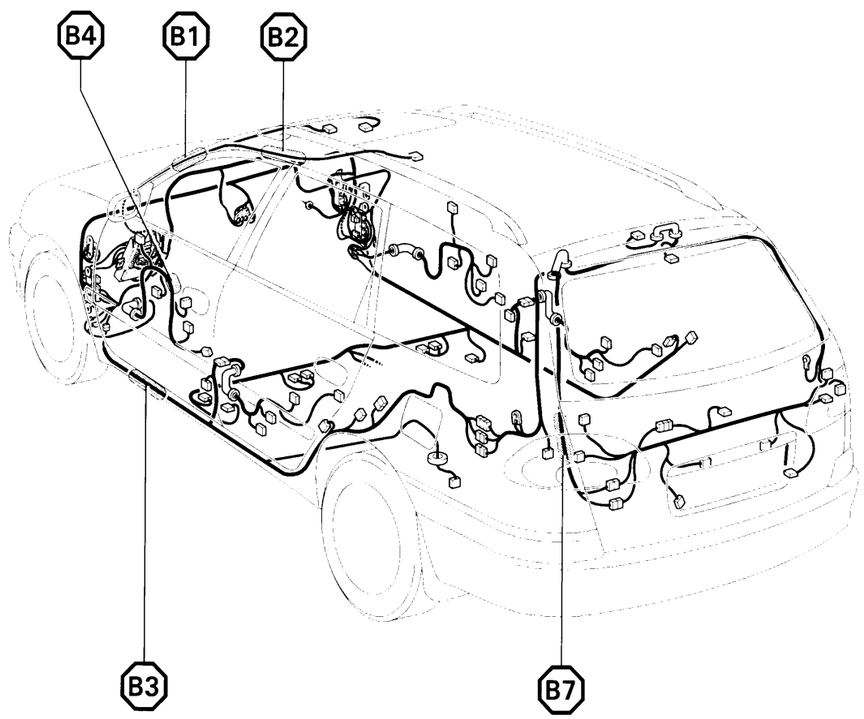
G ELECTRICAL WIRING ROUTING

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

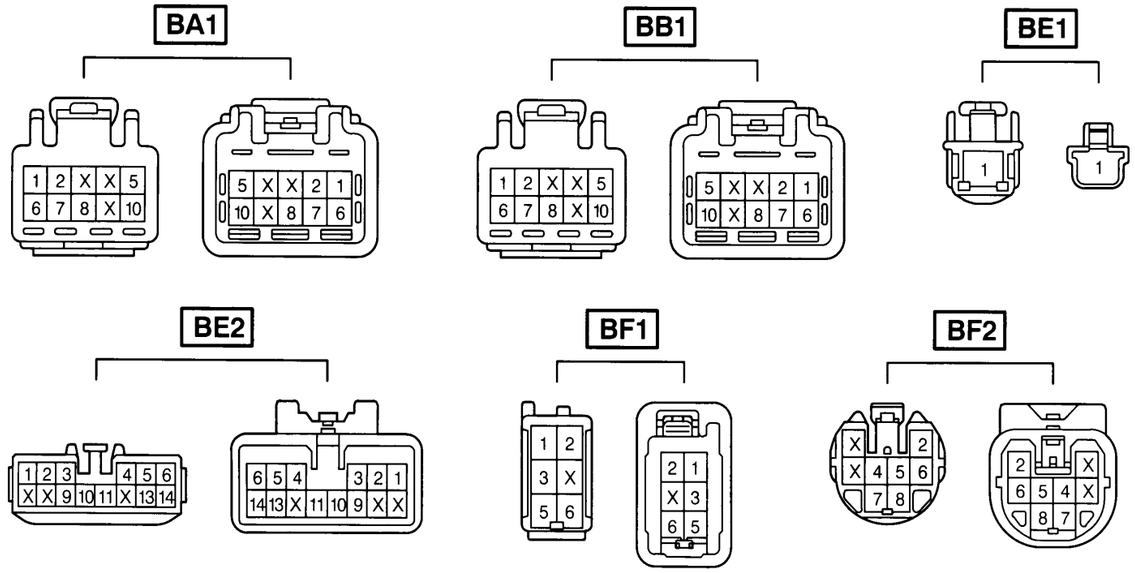
[LHD : W/G]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness



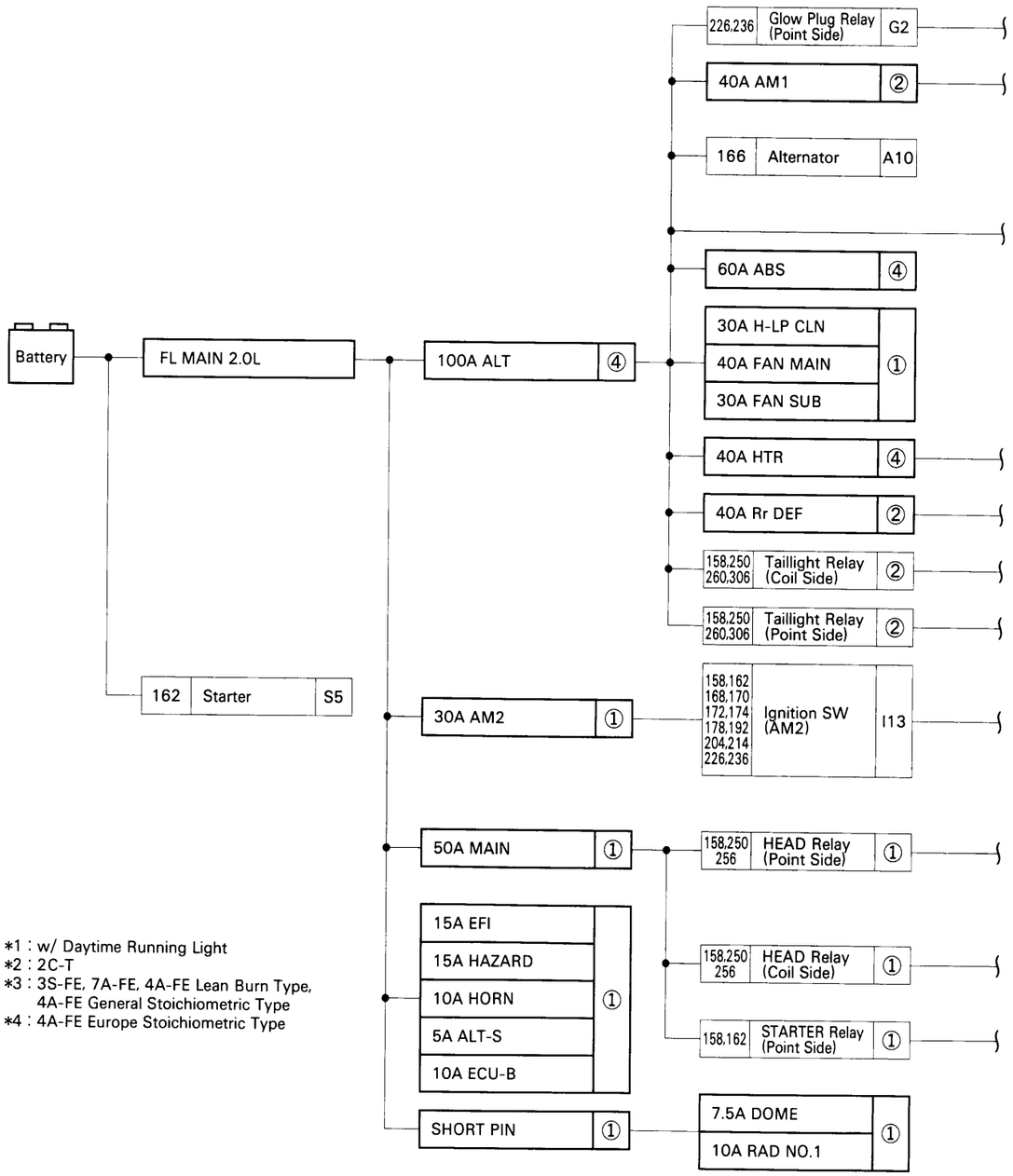
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor No.2 Wire (Under the Right Center Pillar)
BE1	Roof No.3 Wire and Floor Wire (Left Quarter Panel)
BE2	Floor Wire and Roof No.3 Wire (Left Quarter Panel)
BF1	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	

H POWER SOURCE (Current Flow Chart)

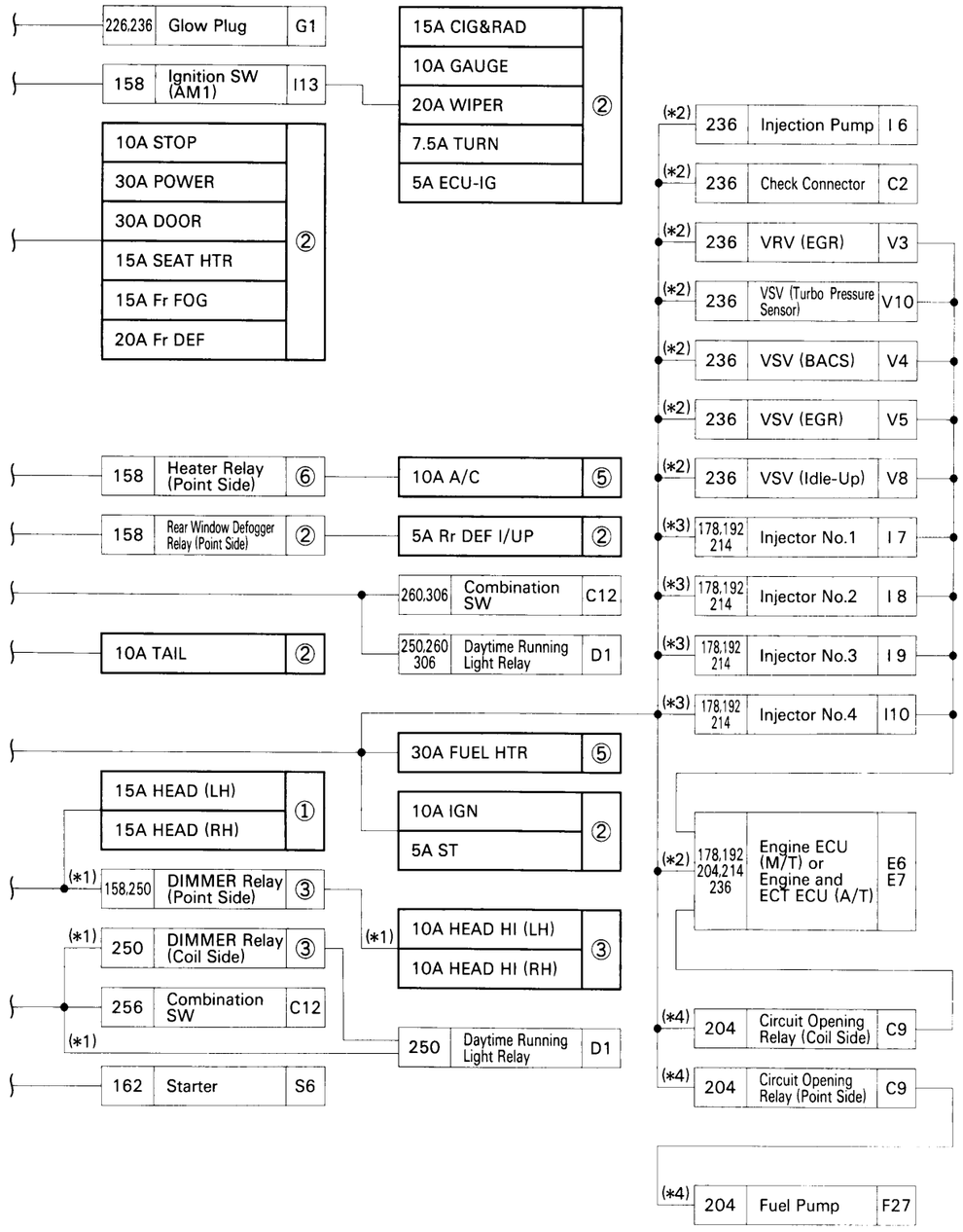
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.
The next page and following pages show the parts to which each electrical source outputs current.

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

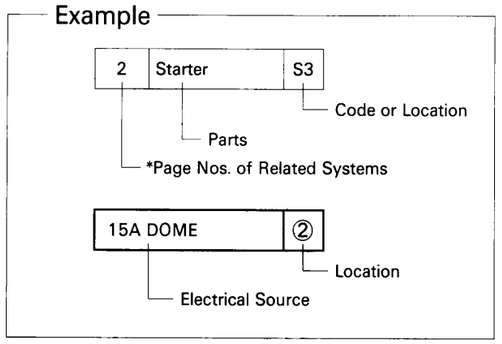
En el siguiente cuadro aparece la ruta que recorre la corriente desde la bateria hasta cada fuente de alimentación (eslabón fusible, fusible, ruptor, etc.) y otras piezas.
Las siguientes páginas indican las partes que reciben alimentación.



*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)



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

* *Numéros de page de la première page sur laquelle le système afférent est représenté.*
L'organe indiqué se trouve quelque part à l'intérieur du système, mais non pas necessairement dans la page qui est mentionnée ici.

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

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

Location	CB or Fuse	Code or Location	A2	A3	A4	A5	A6	A11	A13	A14	A15	A19	A25	B1	B2	B3	B4	B5	B6	B7	C2	C5	C7	C8
		*Page Nos. of Related Systems	422	434	428 434	422 428 434	354	166	422 434	428	422 428	306 428 434	306	290	414	414	428	428 434	434	306 434	214 236 359	359	372	306
		Parts	A/C Condenser Fan Motor	A/C Magnetic Clutch	A/C Magnetic Clutch and Lock Sensor	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	ABS ECU with Actuator	Alternator	A/C Amplifier	A/C Amplifier (Automatic)	A/C Amplifier (Automatic)	A/C SW	Ashtray Illumination	Back-Up Light SW	Brake Fluid Level Warning SW	Brake Vacuum Warning SW	Blower Controller	Blower Motor	Blower Resistor	Blower SW	Check Connector	Center Airbag Sensor Assembly	Cigarette Lighter	Cigarette Lighter Illumination
①	5A	ALT-S						●																
①	7.5A	DOME																						
①	10A	ECU-B																			●	●		
①	10A	HORN																						
①	10A	RAD NO.1																						
①	15A	EFI																			●			
①	15A	HAZARD																						
①	15A	HEAD (LH)																						
①	15A	HEAD (RH)																						
①	30A	FAN SUB	●																					
①	30A	H-LP CLN																						
①	40A	FAN MAIN																						
②	5A	ECU-IG				●	●		●		●													
②	5A	Rr DEF I/UP																						
②	5A	ST																						
②	7.5A	TURN																						
②	10A	IGN					●	●							●	●						●		
②	10A	STOP					●																	
②	10A	TAIL										●	●							●				●
②	15A	CIG&RAD																				●	●	
②	15A	Fr FOG																						
②	10A	GAUGE		●	●	●	●	●	●	●	●	●		●	●	●				●	●			
②	15A	SEAT HTR																						
②	20A	Fr DEF																						
②	20A	WIPER																						
②	30A	DOOR																						
②	30A	POWER																						
②	40A	Rr DEF																						
③	10A	HEAD HI (LH)																						
③	10A	HEAD HI (RH)																						
④	40A	HTR															●	●	●	●				
④	60A	ABS					●																	
⑤	10A	A/C							●			●												
⑤	30A	FUEL HTR																						

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

* *Numéros de page de la première page sur laquelle le système afférent est représenté.*
L'organe indiqué se trouve quelque part à l'intérieur du système, mais non pas necessairement dans la page qui est mentionnée ici.

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

[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)

CB or Fuse	Code or Location	C9	C10	C11													C12				C13		D1	D2		D3	D4	D5	D6	D7
	Page Nos.	178 192 214	178,192 204,214 226,236 336,342 348,414	274 280	354	166	178,192,204 214,226,236 336,342,348 414	296	250 256	306	268	300	359	274 280	256 300	296	274 280	320 324	374	250 296 300 306	328 332	328 332	306 328	204	192 328	328	392 398
	Parts	Circuit Opening Relay	Combination Meter	Turn Signal Indicator Light [Comb. Meter]	ABS Warning Light [Comb. Meter]	Charge Warning Light [Comb. Meter]	Combination Meter	Front Fog Light Indicator Light [Comb. Meter]	High Beam Indicator Light [Comb. Meter]	Meter Illumination [Comb. Meter]	Open Door Warning Light [Comb. Meter]	Rear Fog Light Indicator Light [Comb. Meter]	SRS Warning Light [Comb. Meter]	Turn Signal Indicator Light [Comb. Meter]	Combination SW	Front Fog Light SW [Comb. SW]	Turn Signal SW [Comb. SW]	Front and Rear Wiper and Washer SW [Comb. SW]	Horn SW [Comb. SW]	Daytime Running Light Relay	Defogger Relay (Coil Side)	Defogger Relay (Point Side)	Deicer SW	Diode (EFI)	Diode (Idle-Up)	Diode (Idle-Up)	Diode (Power)
5A	ALT-S																													
7.5A	DOME																													
10A	ECU-B						●				●																			
10A	HORN						●					●	●							●										
10A	RAD NO.1																		●											
15A	EFI																													
15A	HAZARD	●																												
15A	HEAD (LH)			●										●			●													
15A	HEAD (RH)														●															
30A	FAN SUB						●		●						●															
30A	H-LP CLN																													
40A	FAN MAIN																													
5A	ECU-IG																													
5A	Rr DEF I/UP																													
5A	ST																											●		
7.5A	TURN																													
10A	IGN			●										●			●													
10A	STOP				●	●	●																		●					
10A	TAIL																													
15A	CIG&RAD									●					●	●				●			●							
15A	Fr FOG																													
10A	GAUGE							●																						
15A	SEAT HTR		●		●		●													●	●		●							●
20A	Fr DEF																													
20A	WIPER																					●			●	●				
30A	DOOR																	●												
30A	POWER																													
40A	Rr DEF																													
10A	HEAD HI (LH)																													
10A	HEAD HI (RH)																													
40A	HTR																													
60A	ABS						●		●																					
10A	A/C																													
30A	FUEL HTR																													

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)

H POWER SOURCE (Current Flow Chart)

English

Location	CB or Fuse	*Page Nos. of Related Systems	178 192 204 226 359	268	268	268	268	268	306 336 342 348	178,192 204,214 236,336 342,348 422	178,192 214,226 236,336 348,422	192,226 348,422	226	296	296	274 280	274 280	274 280	274 280	320	328
		Parts	DLC3	Diode (Luggage Room Light)	Door Courtesy SW Front LH	Door Courtesy SW Front RH	Door Courtesy SW Rear LH	Door Courtesy SW Rear RH	ECT Pattern Select SW	Engine ECU (M/T) or Engine and ECT ECU (A/T)	Engine ECU (M/T) or Engine and ECT ECU (A/T)	Engine ECU (M/T) or Engine and ECT ECU (A/T)	Engine ECU	Front Fog Light LH	Front Fog Light RH	Front Turn Signal Light LH	Front Turn Signal Light RH	Front Turn Signal Light LH	Front Turn Signal Light RH	Front Washer Motor	Front Window Deicer
		Code or Location	D8	D9	D10	D11	D12	D13	E5	E6	E7	E8	E9	F3	F4	F5	F6	F7	F8	F9	F10
①	5A	ALT-S																			
	7.5A	DOME	●	●	●	●	●	●													
	10A	ECU-B	●							●											
	10A	HORN																			
	10A	RAD NO.1																			
	15A	EFI								●	●		●								
	15A	HAZARD														●	●	●	●		
	15A	HEAD (LH)																			
	15A	HEAD (RH)																			
	30A	FAN SUB																			
	30A	H-LP CLN																			
	40A	FAN MAIN																			
②	5A	ECU-IG									●	●									
	5A	Rr DEF I/UP								●		●									
	5A	ST								●	●		●								
	7.5A	TURN														●	●	●	●		
	10A	IGN								●			●								
	10A	STOP								●											
	10A	TAIL							●	●											
	15A	CIG&RAD																			
	15A	Fr FOG												●	●						
	10A	GAUGE							●	●	●	●	●								
	15A	SEAT HTR																			
	20A	Fr DEF																			●
	20A	WIPER																		●	
	30A	DOOR																			
	30A	POWER																			
	40A	Rr DEF																			
③	10A	HEAD HI (LH)																			
	10A	HEAD HI (RH)																			
④	40A	HTR																			
	60A	ABS																			
⑤	10A	A/C																			
	30A	FUEL HTR																			

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Location	CB or Fuse	320	378	414	296	178 192 214	306	306	402	204	250 256 260	250 256 260	316	316	312	178	374	374	274 280 306	306 316	306	306	286	172	168 170	168 170	174	204	204	204
		Front Wiper Motor	Fuel Heater	Fuel Sedimentary SW	Front Fog Light Relay	Fuel Pump	Glove Box Light	Glove Box Light SW	Glass Breakage Sensor ECU	Hall Sensor	Headlight and Front Clearance Light LH	Headlight and Front Clearance Light RH	Headlight Beam Level Control Actuator LH	Headlight Beam Level Control Actuator RH	Headlight Cleaner Relay	Heated Oxygen Sensor	Horn LH	Horn RH	Hazard SW	Headlight Beam Level Control SW	Headlight Cleaner SW	Heater Control SW	High Mounted Stop Light	Ignition Coil	Ignition Coil and Igniter No.1	Ignition Coil and Igniter No.2	IIA	Injector No.1	Injector No.2	Injector No.3
		F11	F12	F13	F21	F27	G3	G4	G5	H1	H2	H3	H4	H5	H7	H8	H9	H10	H11	H12	H13	H14	H15	I1	I2	I3	I4	I7	I8	I9
① 5A	ALT-S																													
7.5A	DOME																													
10A	ECU-B																													
10A	HORN																●	●												
10A	RAD NO.1																													
15A	EFI																													
15A	HAZARD					●				●						●												●	●	●
15A	HEAD (LH)								●										●											
15A	HEAD (RH)										●																			
30A	FAN SUB											●																		
30A	H-LP CLN																													
40A	FAN MAIN														●															
② 5A	ECU-IG																													
5A	Rr DEF I/UP																													
5A	ST																													
7.5A	TURN																													
10A	IGN																		●											
10A	STOP			●																				●	●	●	●			
10A	TAIL																						●							
15A	CIG&RAD				●		●	●			●	●	●	●					●	●	●	●								
15A	Fr FOG																													
10A	GAUGE				●																									
15A	SEAT HTR			●																										
20A	Fr DEF																													
20A	WIPER																													
30A	DOOR	●													●															
30A	POWER																													
40A	Rr DEF																													
③ 10A	HEAD HI (LH)																													
10A	HEAD HI (RH)																													
④ 40A	HTR										●																			
60A	ABS											●																		
⑤ 10A	A/C																													
30A	FUEL HTR		●																											

English

[LOCATION] ① : Engine Room J/B (See page 56) ② : Instrument Panel J/B (See page 58) ③ : R/B No.7 (See page 54) ④ : Fusible Link Block (See page 55)
⑤ : Fuse Box (See on page 78, 96) ⑥ : R/B No.4 (See page 53) ⑦ : Engine Room R/B (See page 54) ⑧ : Driver Side R/B (See page 53)

H POWER SOURCE (Current Flow Chart)

English

Location	CB or Fuse		Injector No.4	ISC Valve	Integration Relay	Interior Light	Lean Mixture Sensor	License Plate Light LH	License Plate Light RH	Luggage Room Light	Luggage Room Light SW	Moon Roof Control Relay and Motor	Moon Roof Control SW	Neutral Start SW	Noise Filter (Ignition System)	Oil Pressure SW	O/D Main SW	Parking Brake SW	Personal Light	Power Window SW (Front Passenger Side)	Power Window SW Rear LH	Power Window SW Rear RH	Power Window Master SW
		*Page Nos. of Related Systems	204	178 192 204 214	380 386 392	268 402	192	260	260	268	268	398	268 398	162,178 192,214 290,336 342,348	168 170 174	414	306 336 342 348 414	414	268	392	392	392	392
		CB or Fuse	I10	I12	I14	I15	L1	L2	L3	L5	L6	M1	M2	N1	N2	O1	O2	P2	P3	P4	P5	P6	P7
①	5A	ALT-S																					
①	7.5A	DOME				●				●	●	●	●						●				
①	10A	ECU-B																					
①	10A	HORN																					
①	10A	RAD NO.1																					
①	15A	EFI	●	●			●																
①	15A	HAZARD																					
①	15A	HEAD (LH)																					
①	15A	HEAD (RH)																					
①	30A	FAN SUB																					
①	30A	H-LP CLN																					
①	40A	FAN MAIN																					
②	5A	ECU-IG																					
②	5A	Rr DEF I/UP																					
②	5A	ST												●									
②	7.5A	TURN																					
②	10A	IGN													●	●	●	●					
②	10A	STOP																					
②	10A	TAIL						●	●								●						
②	15A	CIG&RAD																					
②	15A	Fr FOG																					
②	10A	GAUGE												●		●	●	●					
②	15A	SEAT HTR																					
②	20A	Fr DEF																					
②	20A	WIPER																					
②	30A	DOOR		●																			
②	30A	POWER										●	●							●	●	●	●
②	40A	Rr DEF																					
③	10A	HEAD HI (LH)																					
③	10A	HEAD HI (RH)																					
④	40A	HTR																					
④	60A	ABS																					
⑤	10A	A/C																					
⑤	30A	FUEL HTR																					

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Location	CB or Fuse		Power Window Motor (Driver Side)	Power Window Motor (Front Passenger Side)	Power Window Motor Rear LH	Power Window Motor Rear RH	Radiator Fan Motor	Rear Washer Motor	Radio and Player	Rear Window Defogger SW	Remote Control Mirror SW	Back-Up Light LH [Rear Comb. Light LH]	Rear Fog Light LH [Rear Comb. Light LH]	Rear Turn Signal Light LH [Rear Comb. Light LH]	Stop Light LH [Rear Comb. Light LH]	Taillight LH [Rear Comb. Light LH]	Back-Up Light LH [Rear Comb. Light LH]	Rear Fog Light LH [Rear Comb. Light LH]	Back-Up Light RH [Rear Comb. Light RH]	Rear Fog Light RH [Rear Comb. Light RH]	Rear Turn Signal Light RH [Rear Comb. Light RH]	Stop Light RH [Rear Comb. Light RH]	Taillight RH [Rear Comb. Light RH]	Back-Up Light RH [Rear Comb. Light RH]	Rear Fog Light RH [Rear Comb. Light RH]	Rear Window Defogger	Rear Wiper Motor and Relay	Remote Control Mirror LH	Remote Control Mirror RH	Speed Sensor
		*Page Nos. of Related Systems	392	392	392	392	422	324	306 410	306 328 332	368	290	300	274 280	286	260	290	300	290	300	274 280	286	260	290	300	328 332	324	328 332 368	328 332 368	178,192 204,214 226,236 336,342 348,414
		CB or Fuse	P8	P9	P10	P11	R1	R2	R4	R6	R7	R8					R9		R10					R11		R14	R16	R17	R18	S3
①	5A	ALT-S																												
①	7.5A	DOME																												
①	10A	ECU-B											●					●		●					●					
①	10A	HORN																												
①	10A	RAD NO.1																												
①	15A	EFI							●																					
①	15A	HAZARD																												
①	15A	HEAD (LH)																												
①	15A	HEAD (RH)												●							●									
①	30A	FAN SUB																												
①	30A	H-LP CLN																												
①	40A	FAN MAIN					●																							
②	5A	ECU-IG																												
②	5A	Rr DEF I/UP					●																							
②	5A	ST																												
②	7.5A	TURN																												
②	10A	IGN												●							●									
②	10A	STOP																												
②	10A	TAIL													●							●								
②	15A	CIG&RAD							●	●						●							●							
②	15A	Fr FOG							●		●																	●	●	
②	10A	GAUGE																												
②	15A	SEAT HTR								●		●					●		●					●						●
②	20A	Fr DEF																												
②	20A	WIPER																										●	●	
②	30A	DOOR						●																			●			
②	30A	POWER																												
②	40A	Rr DEF	●	●	●	●																								
③	10A	HEAD HI (LH)																								●				
③	10A	HEAD HI (RH)																												
④	40A	HTR																												
④	60A	ABS																												
⑤	10A	A/C																												
⑤	30A	FUEL HTR																												

English

[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)
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)

Location	CB or Fuse		Seat Heater Relay (Coil Side)	Seat Heater Relay (Point Side)	Seat Heater SW (Driver's Seat)	Seat Heater SW (Front Passenger's Seat)	Stop Light SW	Seat Heater (Driver's Seat)	Seat Heater (Front Passenger's Seat)	Theft Deterrent Siren	Timing Control Valve	Theft Deterrent ECU	Transponder Key ECU	VRV (EGR)	VSV (EGR)	VSV (Fully Closed)	VSV (Idle Opening)	VSV (Swirl Control)	VSV (Turbo Pressure Sensor)	Water Temp. SW	Wireless Door Lock ECU	EFI Relay (Coil Side)
		*Page Nos. of Related Systems	376	376	306 376	306 376	286 336 342 348 354	376	376	402	226	402	244	226	178	226	226	192	226	422	380	178,192,204 214,336,342 348
		Parts / Code or Location	S7		S8	S9	S11	S12	S13	T1	T3	T5	T6	V3	V5	V6	V7	V9	V10	W3	W4	①
①	5A	ALT-S																				
①	7.5A	DOME								●		●									●	
①	10A	ECU-B											●									
①	10A	HORN																				
①	10A	RAD NO.1																				
①	15A	EFI									●			●	●	●	●	●	●			
①	15A	HAZARD										●										
①	15A	HEAD (LH)																				
①	15A	HEAD (RH)																				
①	30A	FAN SUB																				
①	30A	H-LP CLN																				
①	40A	FAN MAIN																				
②	5A	ECU-IG								●										●		
②	5A	Rr DEF I/UP																				
②	5A	ST																				
②	7.5A	TURN																				
②	10A	IGN											●									●
②	10A	STOP					●															
②	10A	TAIL			●	●																
②	15A	CIG&RAD																				
②	15A	Fr FOG																				
②	10A	GAUGE	●									●									●	
②	15A	SEAT HTR		●	●	●		●	●													
②	20A	Fr DEF																				
②	20A	WIPER																				
②	30A	DOOR																				
②	30A	POWER																				
②	40A	Rr DEF																				
③	10A	HEAD HI (LH)																				
③	10A	HEAD HI (RH)																				
④	40A	HTR																				
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⑤	30A	FUEL HTR																				

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			178,192,204 214,226,336 342,348	422	422	374	374	162	328 332	158 328 332	178 328 332	268,366 380,386 392,398 402	392 398	392 398	192 226 236 428 434	158 428 434	422	422	422	422	428 434	428 434	300	300	274 280
			EFI Relay (Point Side)	FAN NO.1 Relay (Coil Side)	FAN NO.1 Relay (Point Side)	HORN Relay (Coil Side)	HORN Relay (Point Side)	STARTER Relay (Coil Side)	Rear Window Defogger Relay (Coil Side)	Rear Window Defogger Relay (Point Side)	Diode	Integration Relay	Power Relay (Coil Side)	Power Relay (Point Side)	Heater Relay (Coil Side)	Heater Relay (Point Side)	FAN NO.2 Relay (Coil Side)	FAN NO.2 Relay (Point Side)	FAN NO.3 Relay (Coil Side)	FAN NO.3 Relay (Point Side)	MG CLT Relay (Coil Side)	MG CLT Relay (Point Side)	Rear Fog Light Relay (Coil Side)	Rear Fog Light Relay (Point Side)	Turn Signal Flasher
			①						②						⑥		⑦						⑧		
①	5A	ALT-S																							
①	7.5A	DOME										●													
①	10A	ECU-B																						●	
①	10A	HORN				●	●																		
①	10A	RAD NO.1																							
①	15A	EFI	●																						
①	15A	HAZARD																							●
①	15A	HEAD (LH)																							
①	15A	HEAD (RH)																							
①	30A	FAN SUB																●		●					
①	30A	H-LP CLN																							
①	40A	FAN MAIN			●																				
②	5A	ECU-IG		●													●		●						
②	5A	Rr DEF I/UP									●														
②	5A	ST						●																	
②	7.5A	TURN																							●
②	10A	IGN																							
②	10A	STOP																							
②	10A	TAIL								●	●											●			
②	15A	CIG&RAD									●														
②	15A	Fr FOG																							
②	10A	GAUGE							●		●	●	●		●					●	●				
②	15A	SEAT HTR																							
②	20A	Fr DEF																							
②	20A	WIPER																							
②	30A	DOOR																							
②	30A	POWER											●												
②	40A	Rr DEF							●																
③	10A	HEAD HI (LH)																							
③	10A	HEAD HI (RH)																							
④	40A	HTR														●									
④	60A	ABS																							
⑤	10A	A/C																							
⑤	30A	FUEL HTR																							

[LOCATION] ① : Engine Room J/B (See page 56) ② : Instrument Panel J/B (See page 58) ③ : R/B No.7 (See page 54) ④ : Fusible Link Block (See page 55)
⑤ : Fuse Box (See on page 78, 96) ⑥ : R/B No.4 (See page 53) ⑦ : Engine Room R/B (See page 54) ⑧ : Driver Side R/B (See page 53)

AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM SYSTEM CIRCUITS

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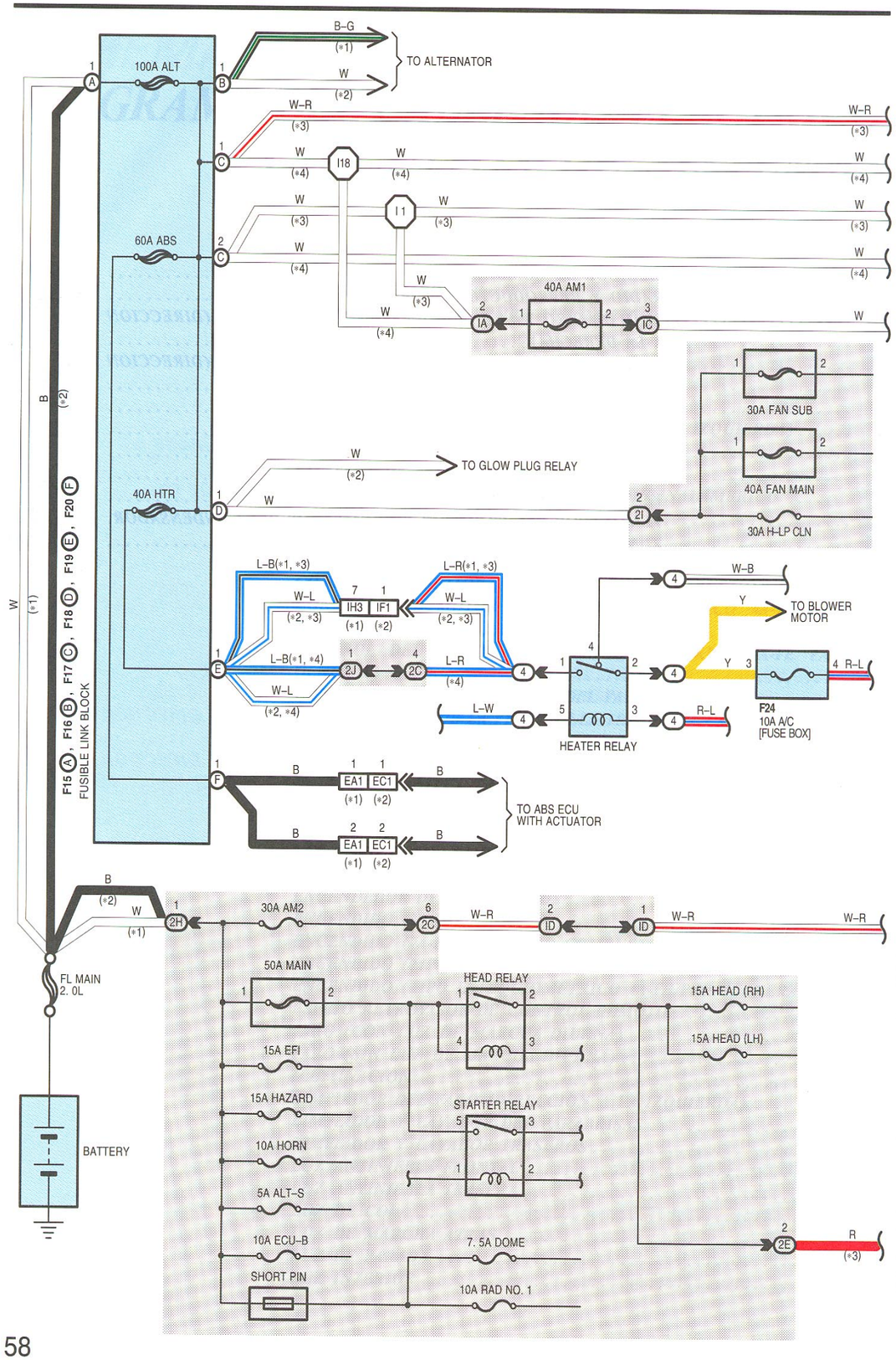
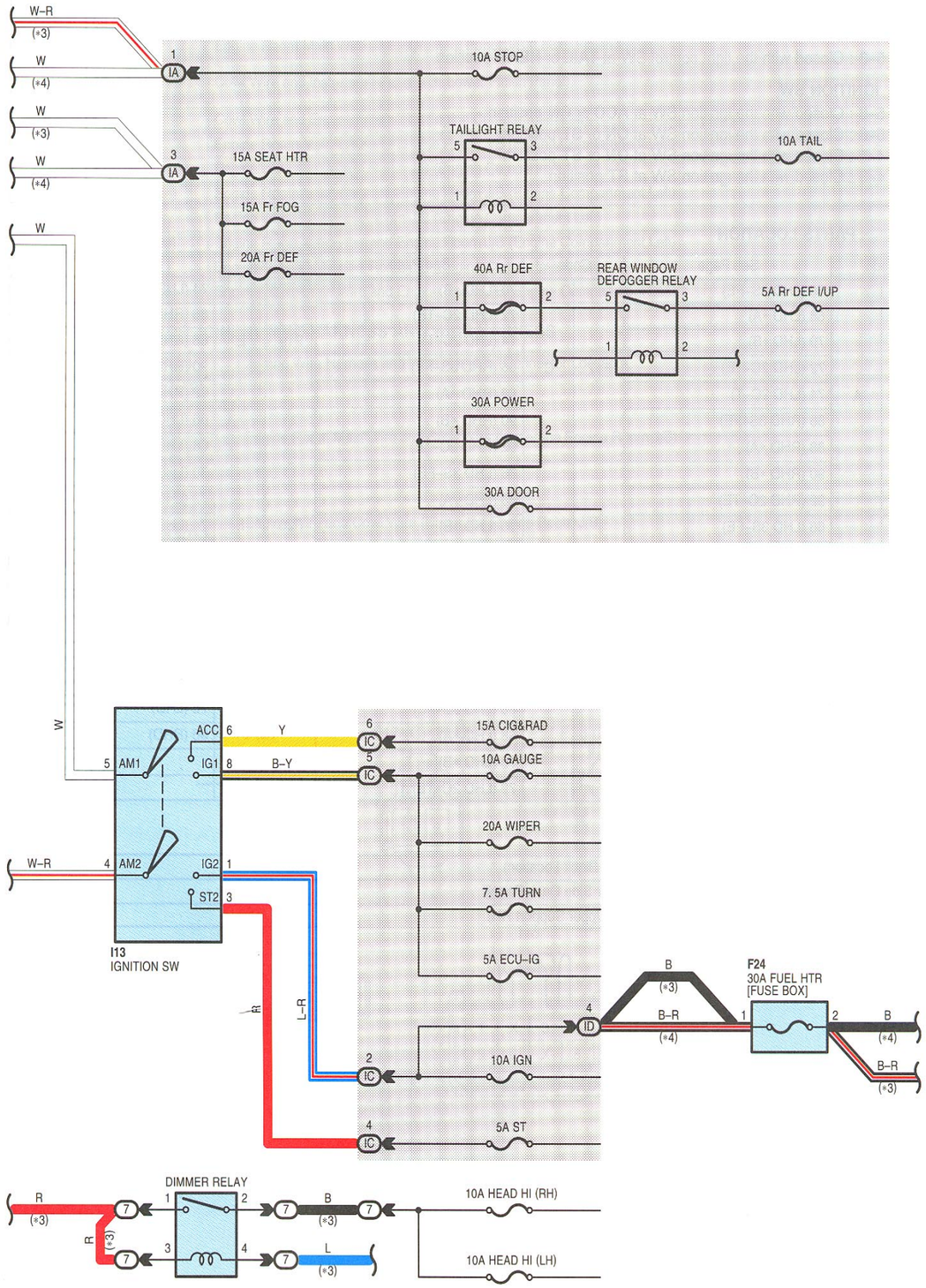
POWER SOURCE

* 1 : GASOLINE
* 2 : DIESEL
* 3 : LHD
* 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
F15	A	66 (LHD 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)
F16	B	66 (LHD 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)
F17	C	66 (LHD 3S-FE)
		68 (LHD *A)

Code		See Page
F17	C	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)
F18	D	66 (LHD 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)
F19	E	66 (LHD 3S-FE)
		68 (LHD *A)
		70 (LHD *B)
		72 (LHD 2C-TE)

Code		See Page
F19	E	74 (LHD 2C-T)
		86 (RHD 3S-FE)
		88 (RHD *A)
		90 (RHD *B)
		92 (RHD 2C-TE)
F20	F	66 (LHD 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)
F24		78 (LHD)
		96 (RHD)
I13		78 (LHD)
		96 (RHD)

: 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

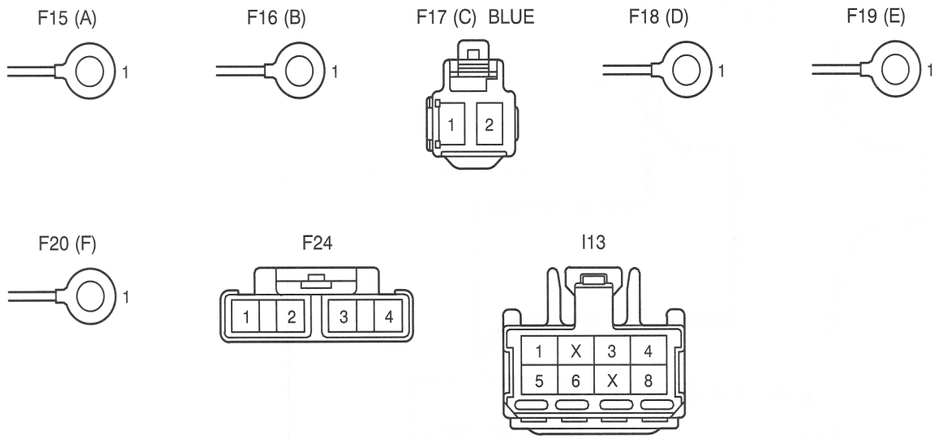
Code	See Page	Junction Block and Wire Harness (Connector Location)
IA	59 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	59 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IC	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
ID		
2C	57	Cowl Wire and Engine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

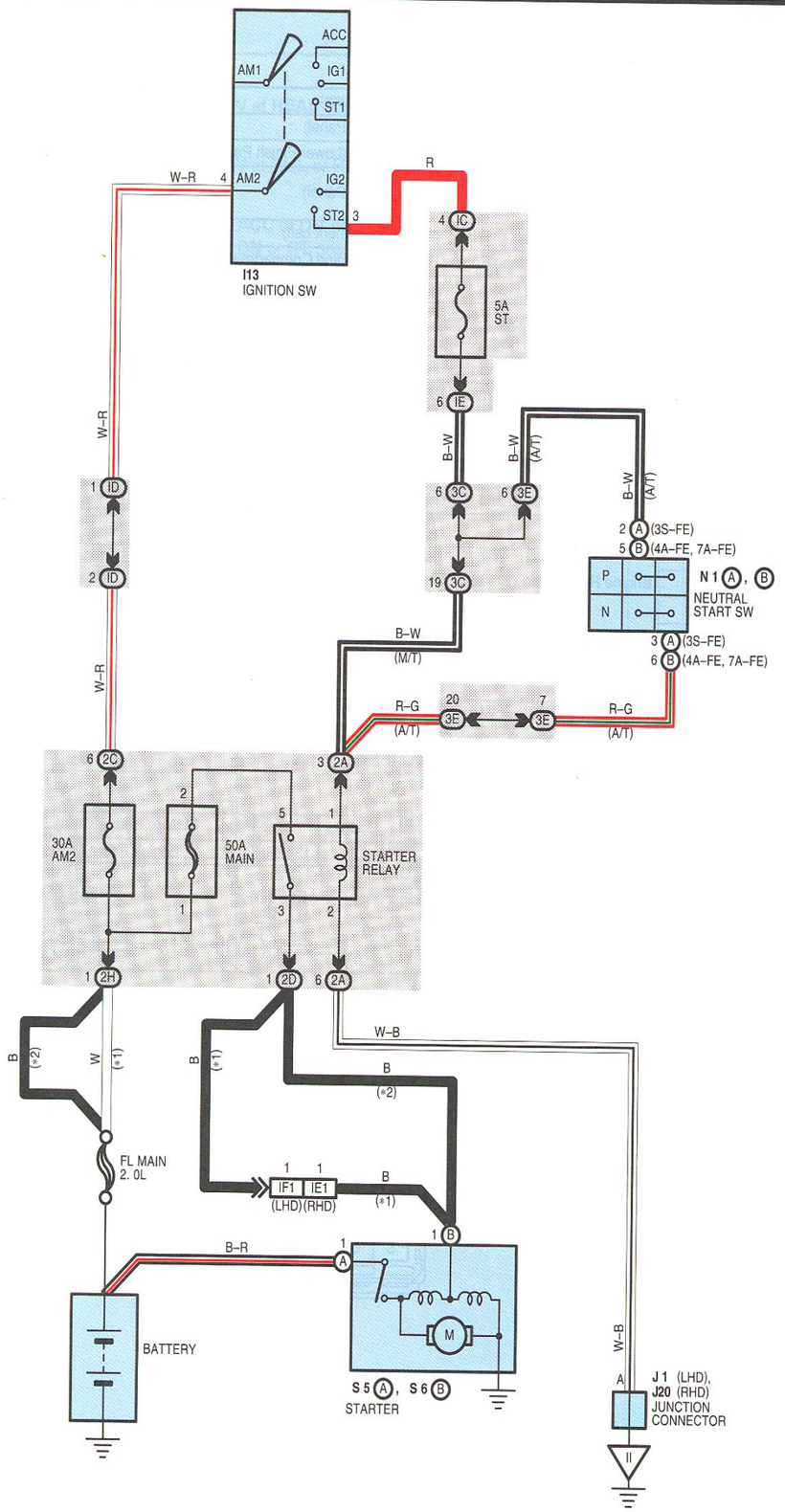
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	104 (LHD 3S-FE)	Engine Room Main Wire and Cowl Wire (Under the Engine Room J/B)
	106 (LHD *A)	
	108 (LHD *B)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
EC1	110 (LHD 2C-TE)	Engine Wire and Cowl Wire (Under the Engine Room J/B)
	130 (RHD 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)	S5	A	66 (LHD 3S-FE)	S6	B	66 (LHD 3S-FE)
		96 (RHD)			86 (RHD 3S-FE)			68 (LHD *A)
J1		78 (LHD)			68 (LHD *A)			70 (LHD *B)
J20		96 (RHD)			70 (LHD *B)			72 (LHD 2C-TE)
N1	A	66 (LHD 3S-FE)			72 (LHD 2C-TE)			74 (LHD 2C-T)
		86 (RHD 3S-FE)			74 (LHD 2C-T)			86 (RHD 3S-FE)
	B	68 (LHD *A)			88 (RHD *A)			88 (RHD *A)
		70 (LHD *B)			90 (RHD *B)			90 (RHD *B)
		88 (RHD *A)			92 (RHD 2C-TE)			92 (RHD 2C-TE)

: 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		
2A	57	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D	57 (Diesel)	Engine Wire and Engine Room J/B (Engine Compartment Left)
	57 (Gasoline)	Cowl 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)
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)

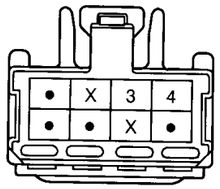
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)	

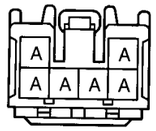
▽ : GROUND POINTS

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

I13

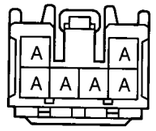


J1



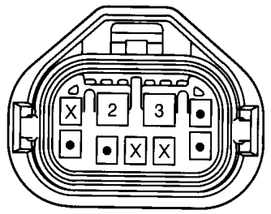
(Hint : See Page 7, 23, 39)

J20

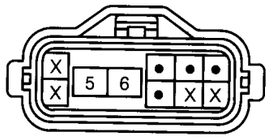


(Hint : See Page 7, 23, 39)

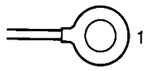
(3S-FE) N1 (A) GRAY



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

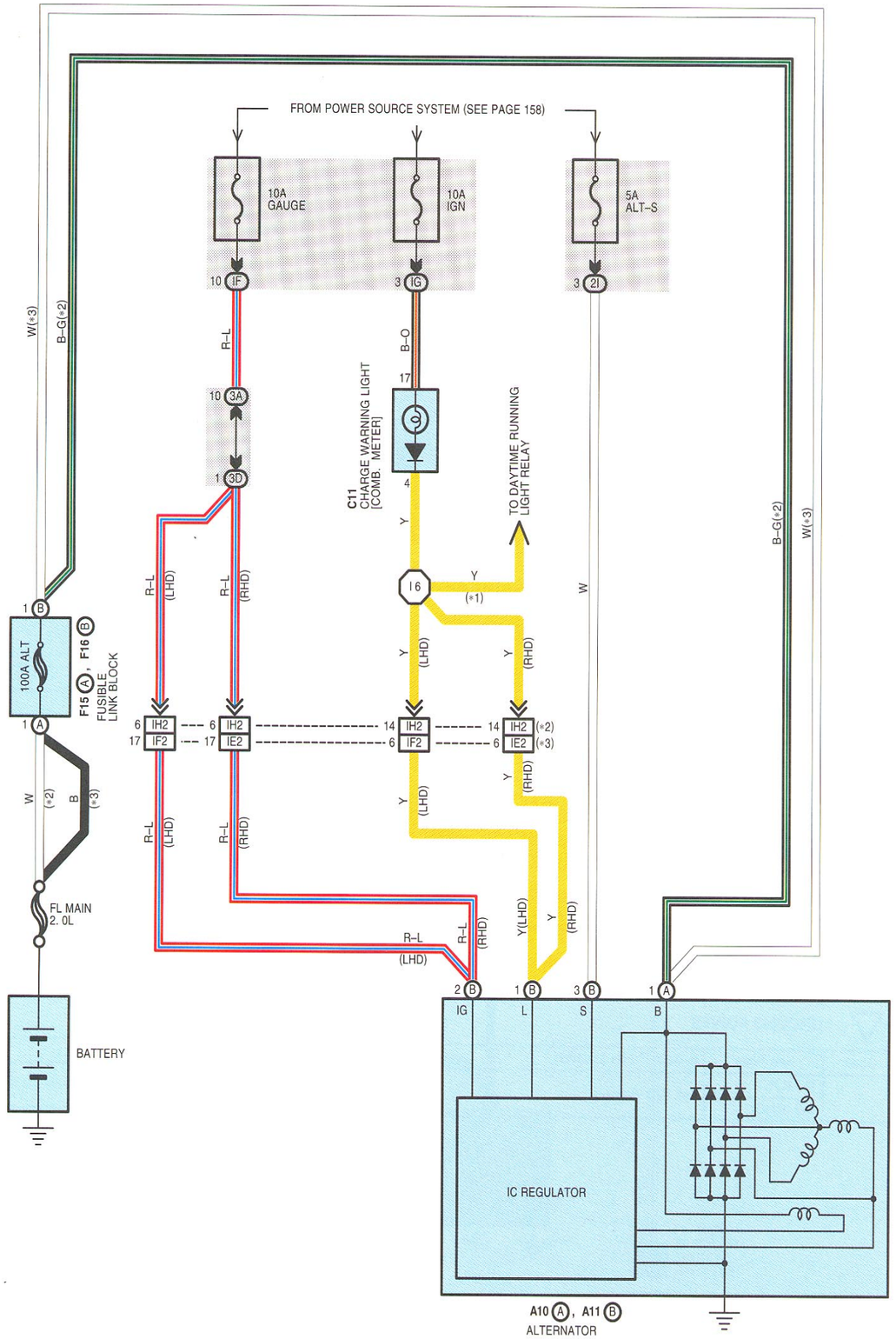


S5 (A)



S6 (B) BLACK

* 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)	F15	A	88 (RHD *A)
		68 (LHD *A)			86 (RHD 3S-FE)			90 (RHD *B)
		70 (LHD *B)			88 (RHD *A)			92 (RHD 2C-TE)
		72 (LHD 2C-TE)			90 (RHD *B)	F16	B	66 (LHD 3S-FE)
		74 (LHD 2C-T)			92 (RHD 2C-TE)			68 (LHD *A)
		86 (RHD 3S-FE)	C11		76 (LHD)			70 (LHD *B)
		88 (RHD *A)			94 (RHD)			72 (LHD 2C-TE)
		90 (RHD *B)	F15	A	66 (LHD 3S-FE)			74 (LHD 2C-T)
		92 (RHD 2C-TE)			68 (LHD *A)			86 (RHD 3S-FE)
A11	B	66 (LHD 3S-FE)			70 (LHD *B)			88 (RHD *A)
		68 (LHD *A)			72 (LHD 2C-TE)			90 (RHD *B)
		70 (LHD *B)			74 (LHD 2C-T)			92 (RHD 2C-TE)
		72 (LHD 2C-TE)			86 (RHD 3S-FE)			

: 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)

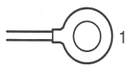
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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

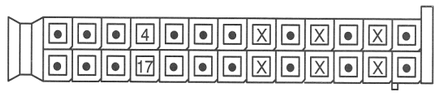
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire			

A10 (A)

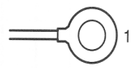


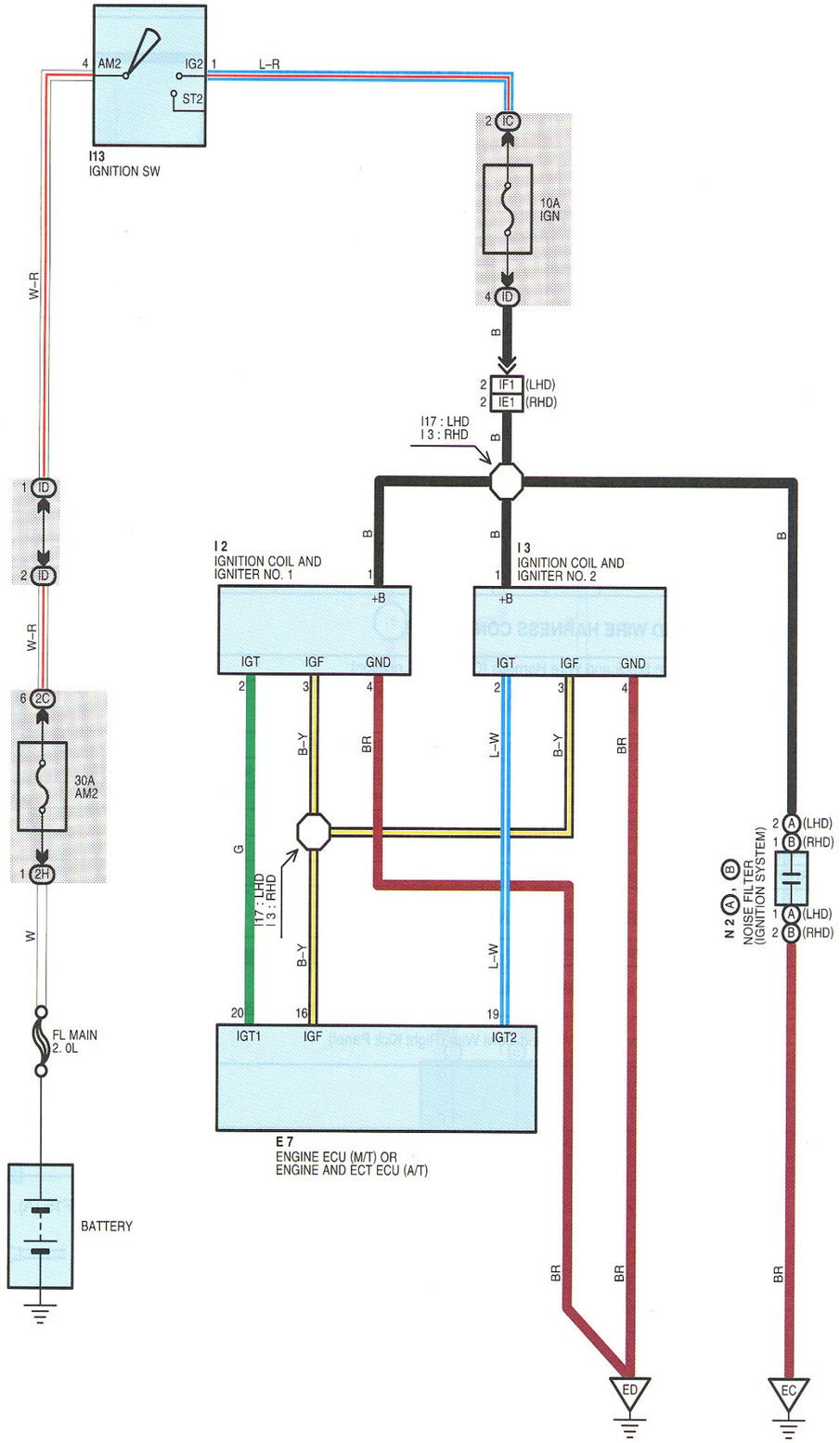
A11 (B) BLACK

C11 GREEN



F15 (A), F16 (B)





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		
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)	

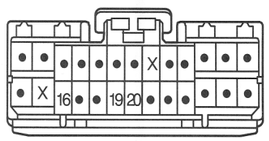
: GROUND POINTS

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

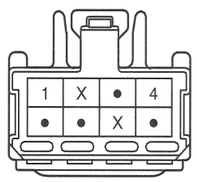
E7



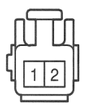
I2 GRAY

I3 BLACK

I13

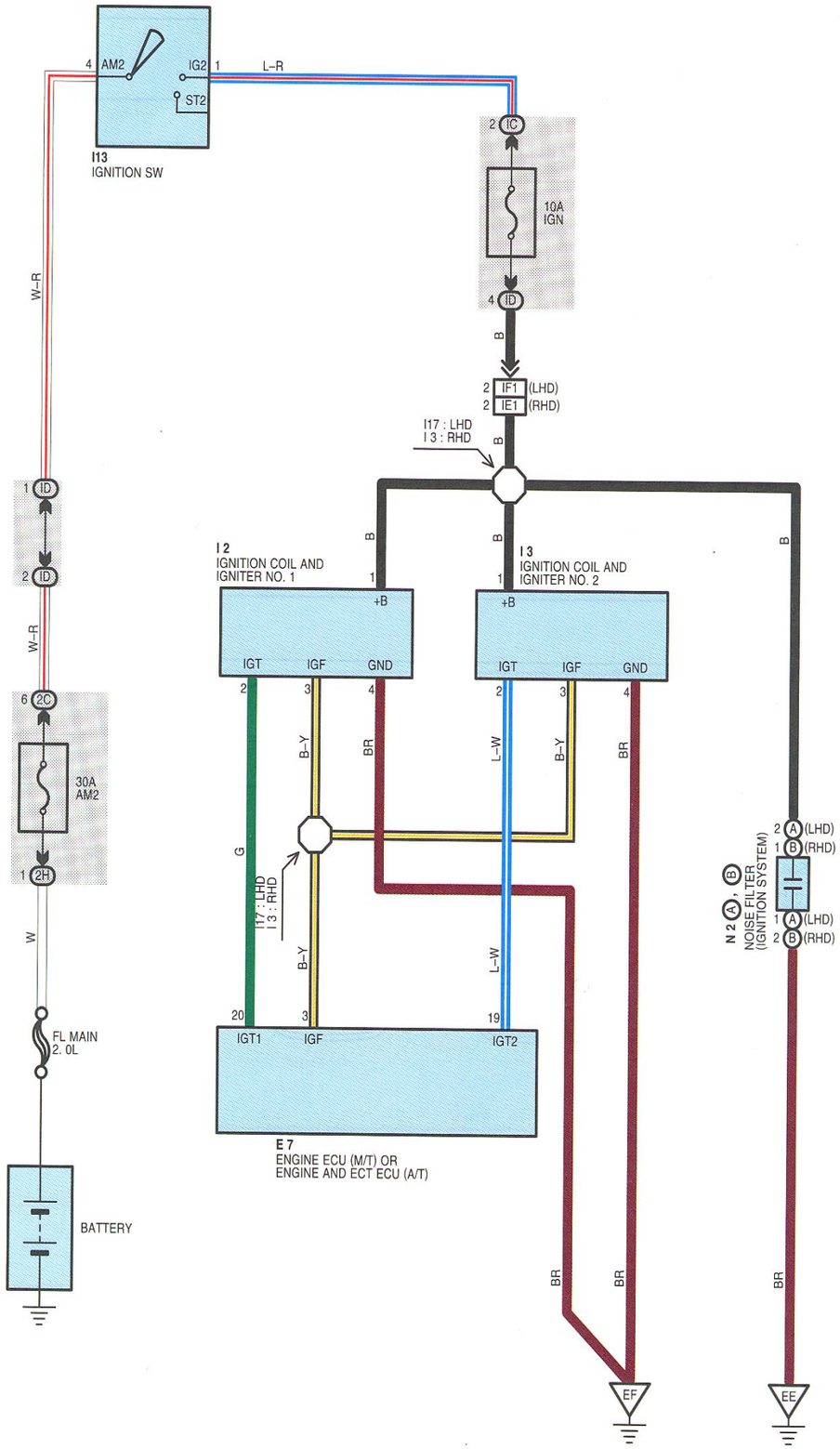


(LHD) N2 (A)



(RHD) N2 (B)

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)	

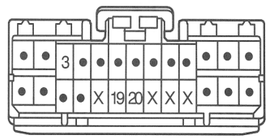
: GROUND POINTS

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

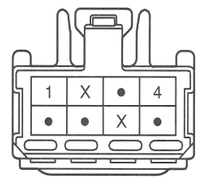
E7



I2 GRAY

I3 BLACK

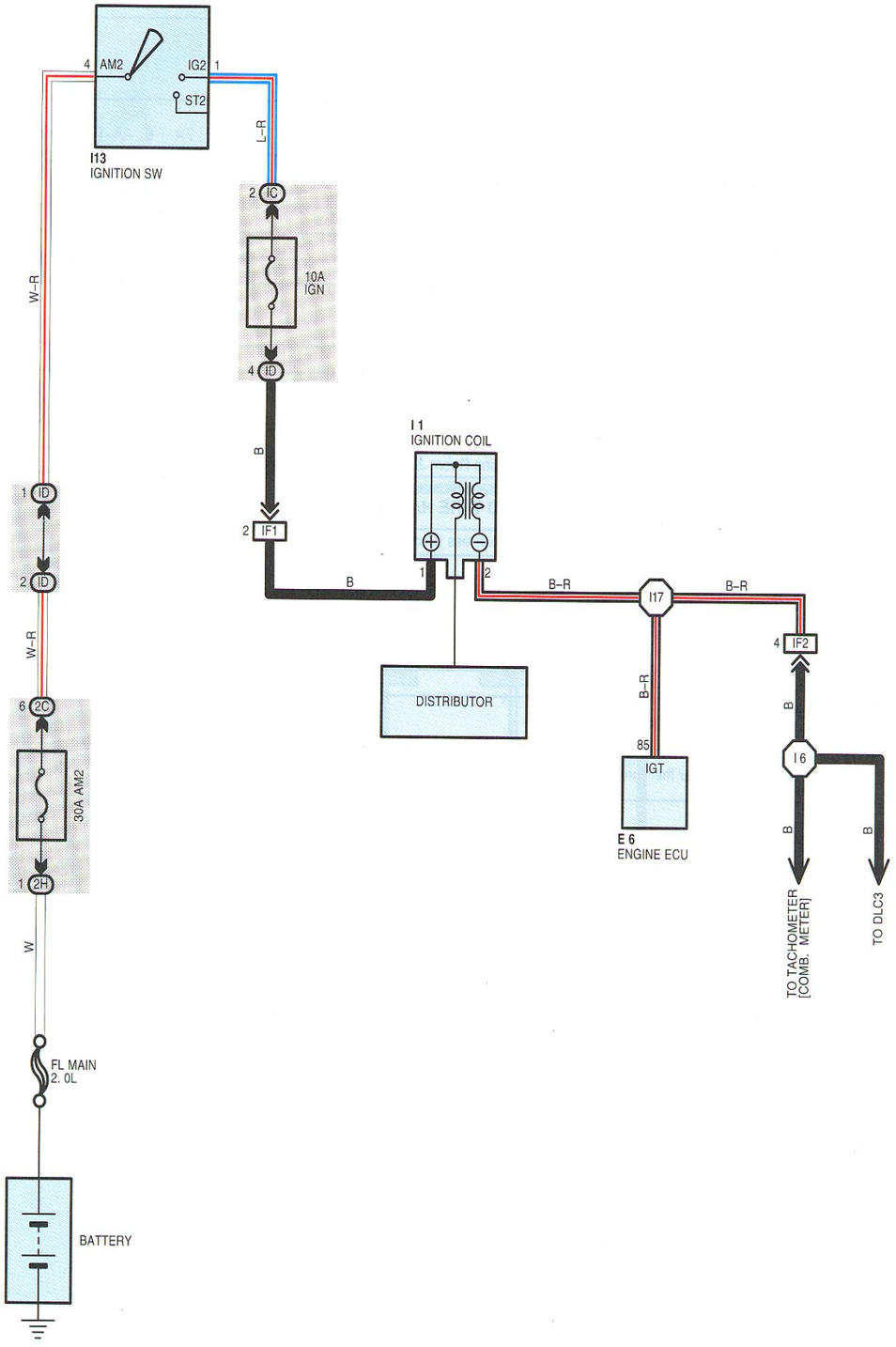
I13



(LHD) N2 (A) GRAY

(RHD) N2 (B) GRAY

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)

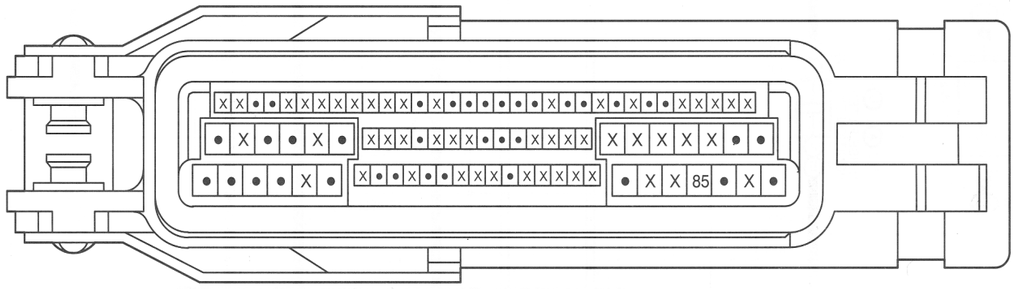
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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

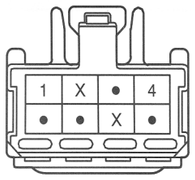
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I17	116 (LHD)	Engine Wire			

E6 BLACK

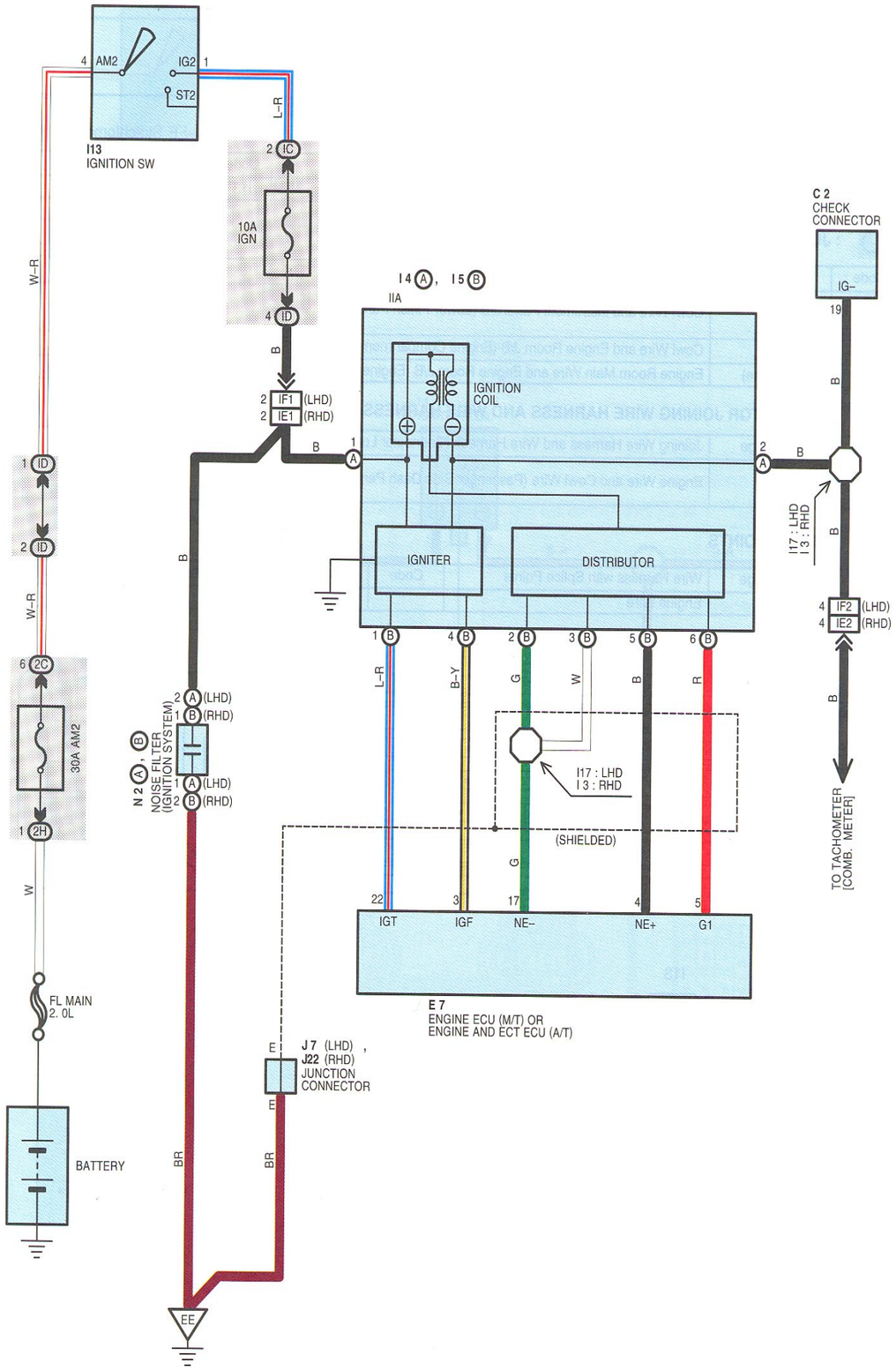


I1 BLACK

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)	I5 B	70 (LHD ∗B)	J22	96 (RHD)
E7	76 (LHD)		90 (RHD ∗B)	N2 A	78 (LHD)
	94 (RHD)	I13	78 (LHD)	N2 B	96 (RHD)
I4 A	70 (LHD ∗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		
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

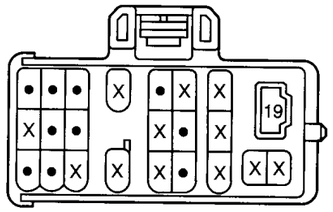
Code	See Page	Ground Points Location
EE	108 (LHD ∗B)	Under the Intake Manifold
	128 (RHD ∗B)	

: SPLICE POINTS

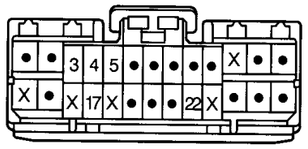
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	134 (RHD)	Engine Wire	I17	116 (LHD)	Engine Wire

IGNITION (4A-FE GENERAL STOICHIOMETRIC TYPE)

C2 BLACK



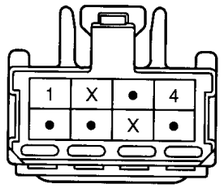
E7



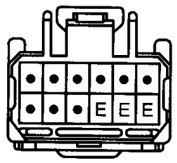
I4 (A) DARK GRAY

I5 (B) GRAY

I13

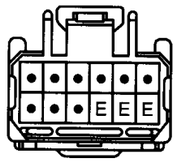


J7 BLACK



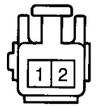
(Hint : See Page 7, 23, 39)

J22 BLACK



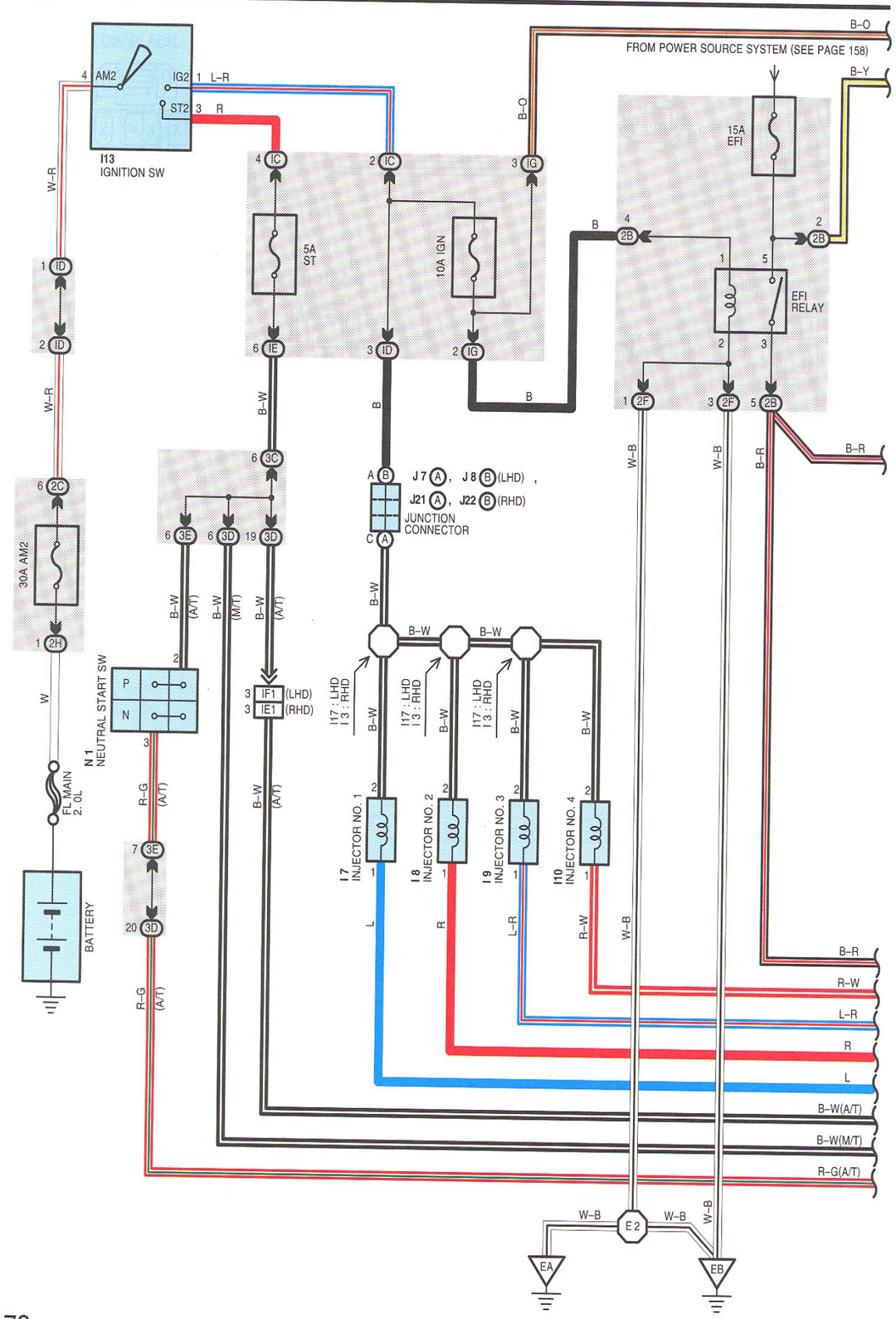
(Hint : See Page 7, 23, 39)

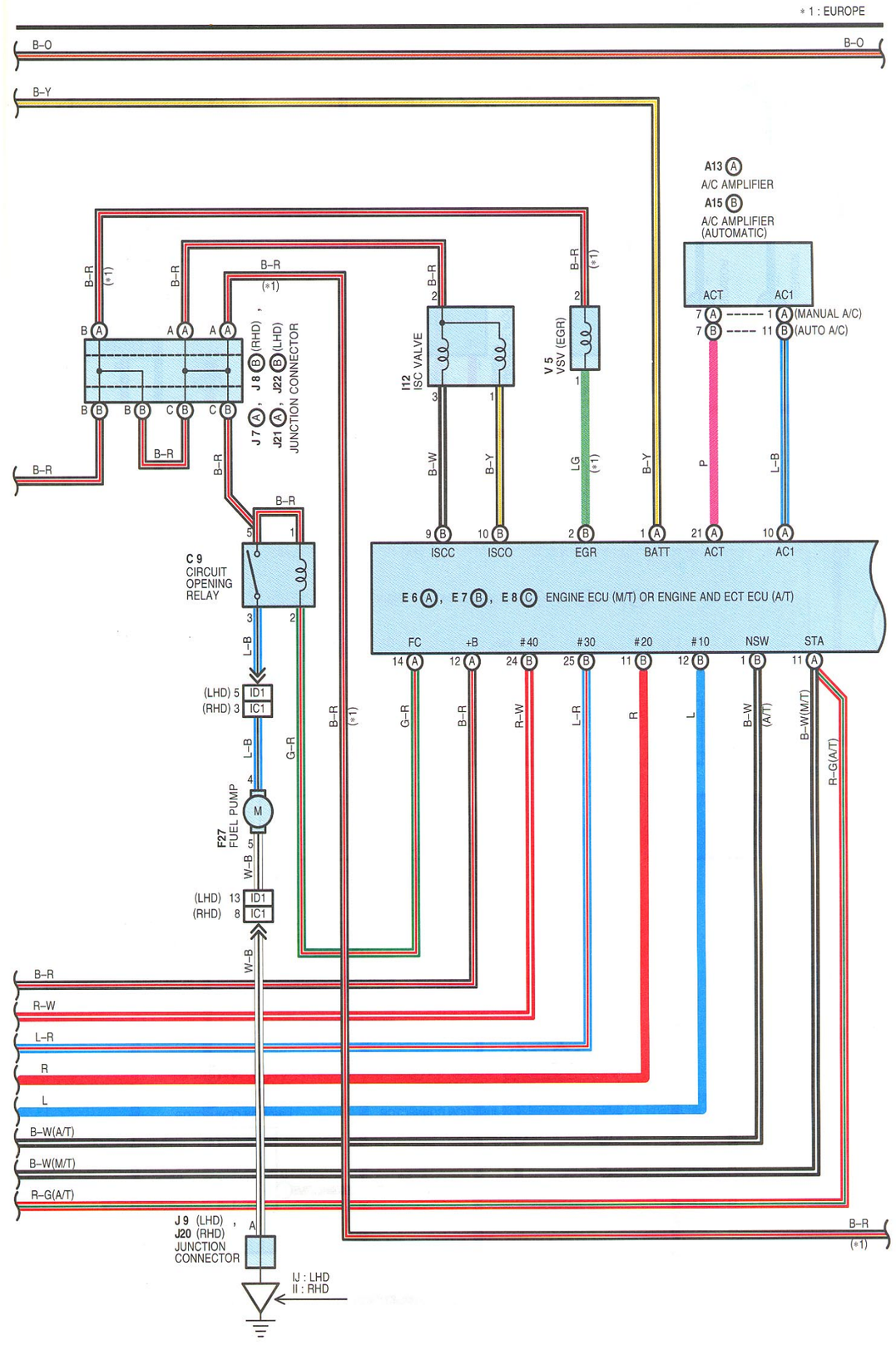
(LHD) N2 (A) GRAY



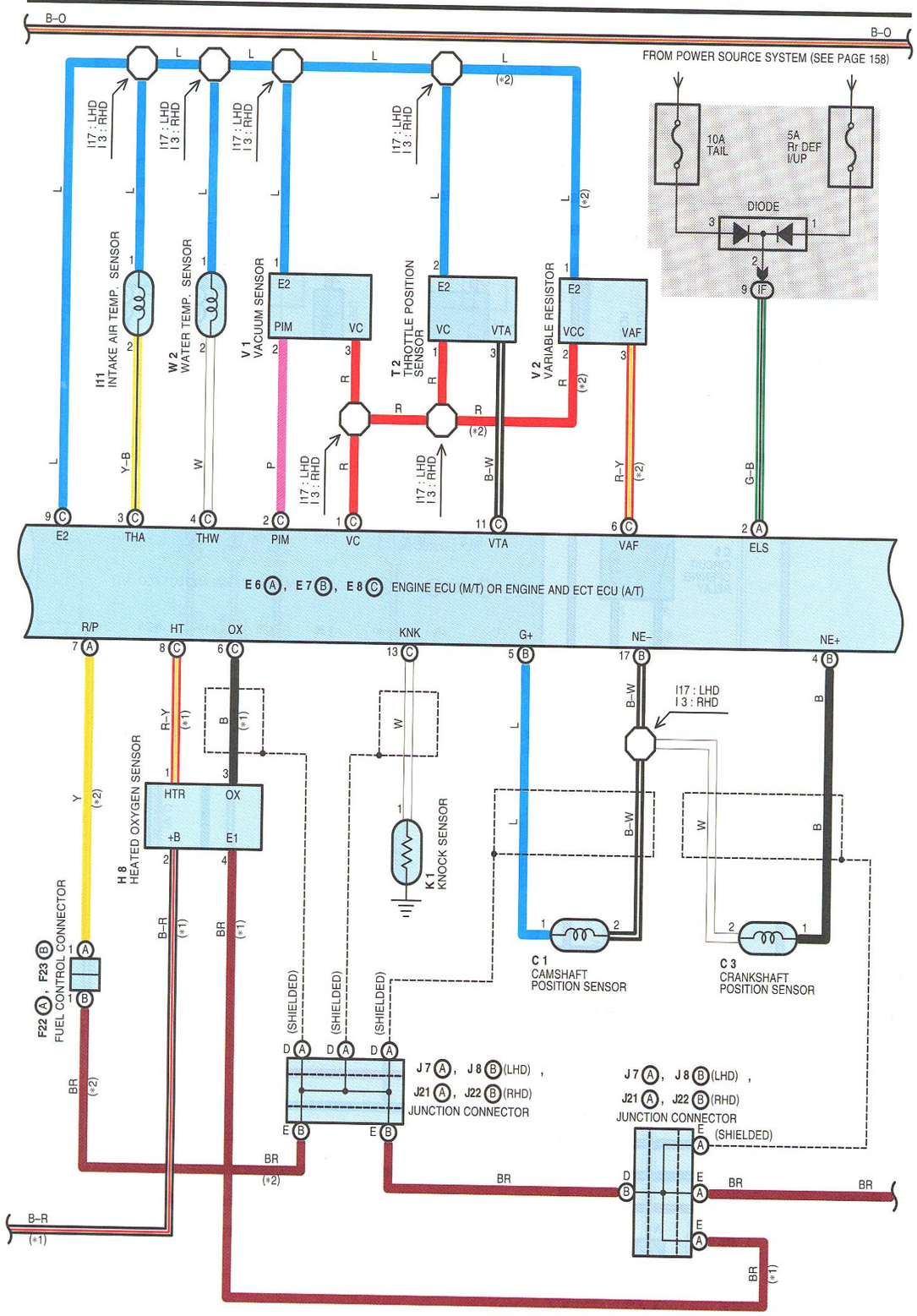
(RHD) N2 (B) GRAY

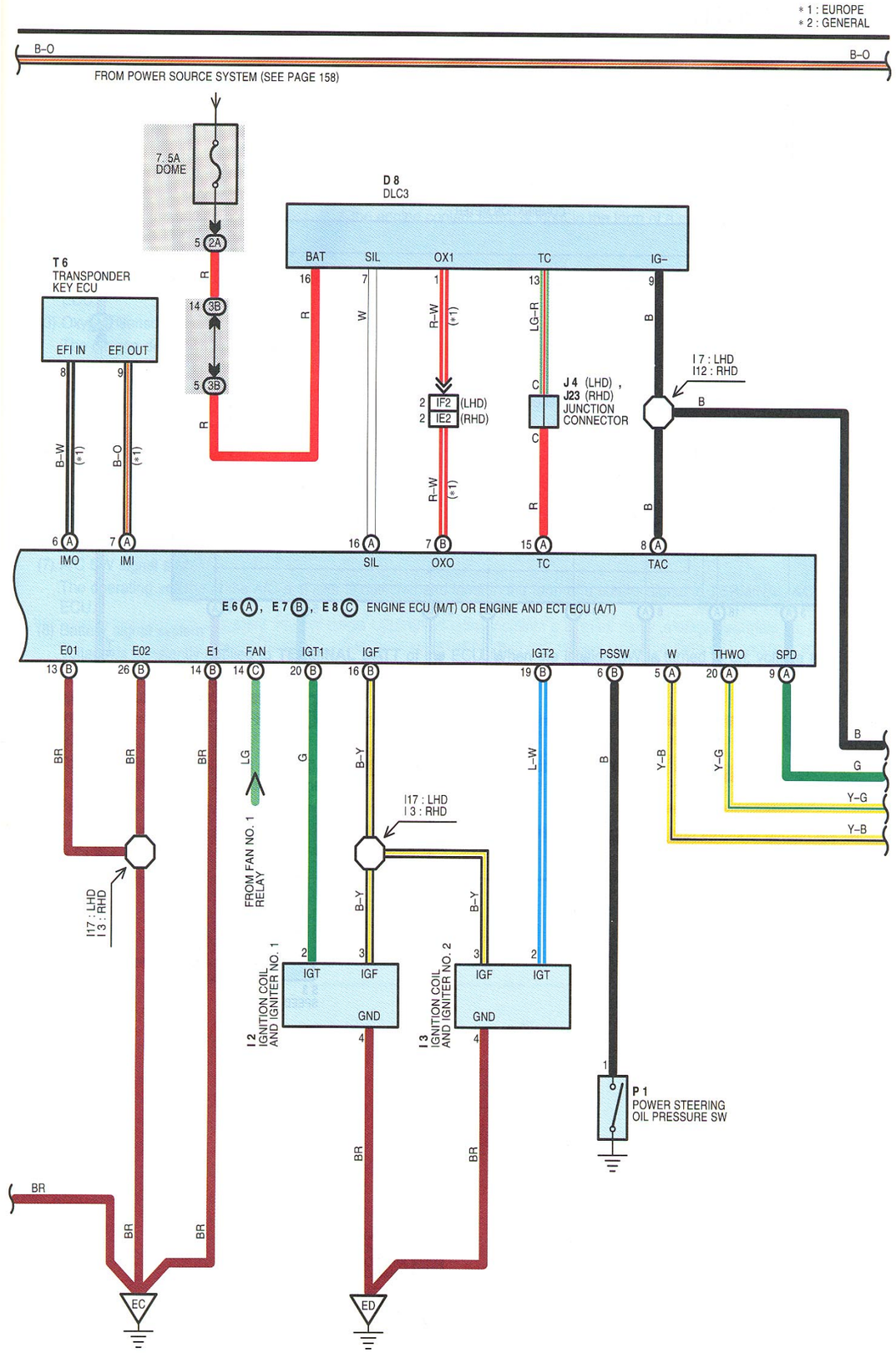
ENGINE CONTROL (3S-FE)



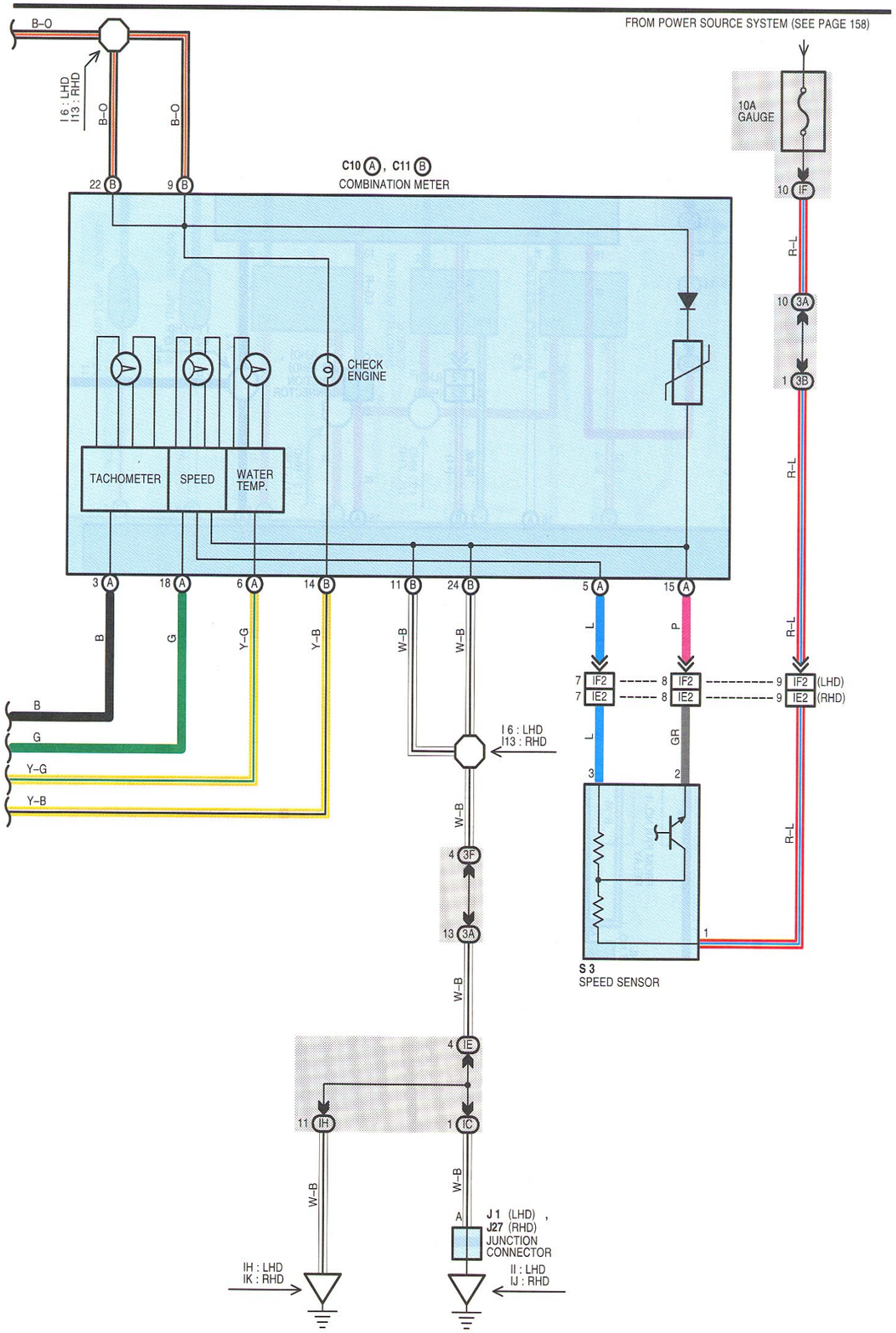


ENGINE CONTROL (3S-FE)





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 k Ω (**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
A13	A	76 (LHD)
		94 (RHD)
A15	B	76 (LHD)
		94 (RHD)
C1		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
C3		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
C9		76 (LHD)
		94 (RHD)
C10	A	76 (LHD)
		94 (RHD)
C11	B	76 (LHD)
		94 (RHD)
D8		76 (LHD)
		94 (RHD)
E6	A	76 (LHD)
		94 (RHD)
E7	B	76 (LHD)
		94 (RHD)
E8	C	76 (LHD)
		94 (RHD)
F22	A	78 (LHD)
		96 (RHD)
F23	B	78 (LHD)
		96 (RHD)
F27		80 (LHD S/D)
		82 (LHD L/B)

Code		See Page
F27		84 (LHD W/G)
		98 (RHD S/D)
		100 (RHD L/B)
		102 (RHD W/G)
H8		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I2		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I3		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I7		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I8		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I9		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I10		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I11		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I12		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
I13		78 (LHD)
		96 (RHD)
J1		78 (LHD)
J4		78 (LHD)
J7	A	78 (LHD)
J8	B	78 (LHD)

Code		See Page
J9		78 (LHD)
J20		96 (RHD)
J21	A	96 (RHD)
J22	B	96 (RHD)
J23		96 (RHD)
J27		96 (RHD)
K1		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
N1		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
P1		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
S3		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
T2		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
T6		78 (LHD)
		96 (RHD)
V1		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
V2		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
V5		66 (LHD 3S-FE)
		86 (RHD 3S-FE)
W2		66 (LHD 3S-FE)
		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)
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		

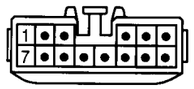
▽ : GROUND POINTS

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)	

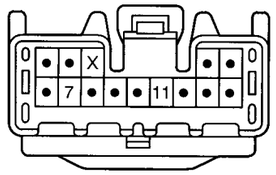
⬡ : SPLICE POINTS

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



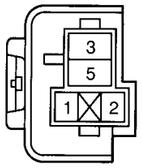
A15 (B) ORANGE



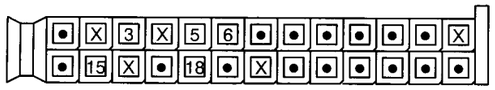
C1 BLACK

C3 BLACK

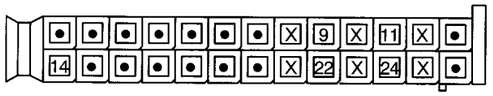
C9



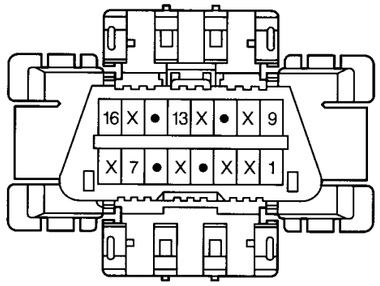
C10 (A) BLACK



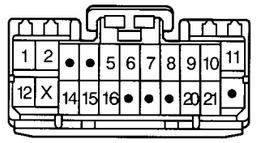
C11 (B) GREEN



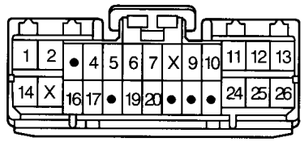
D8



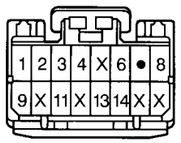
E6 (A)



E7 (B)



E8 (C)



F22 (A)

F23 (B)

F27 DARK GRAY

H8 DARK GRAY

I2 GRAY

I3 BLACK

I7 BROWN

I8 GRAY

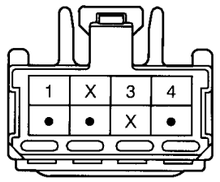
I9 BROWN

I10 GRAY

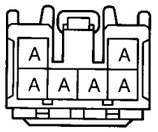
I11 BLACK

I12 GRAY

I13

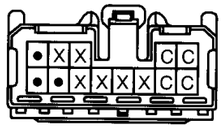


J1



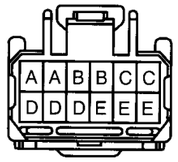
(Hint : See Page 7, 23, 39)

J4 BLUE



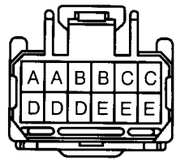
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



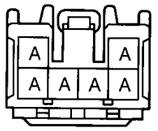
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



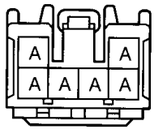
(Hint : See Page 7, 23, 39)

J9



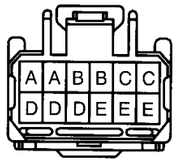
(Hint : See Page 7, 23, 39)

J20



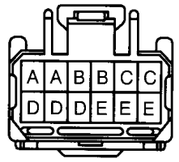
(Hint : See Page 7, 23, 39)

J21 (A) BLACK



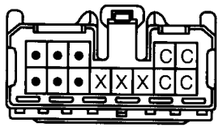
(Hint : See Page 7, 23, 39)

J22 (B) BLACK



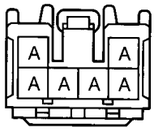
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

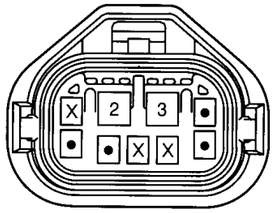
J27



(Hint : See Page 7, 23, 39)

K1 DARK GRAY

N1 GRAY

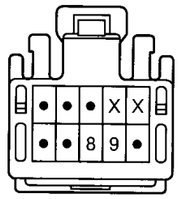


P1 BLACK

S3 BLACK

T2 BLACK

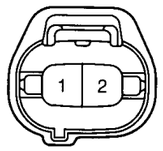
T6



V1 BLACK

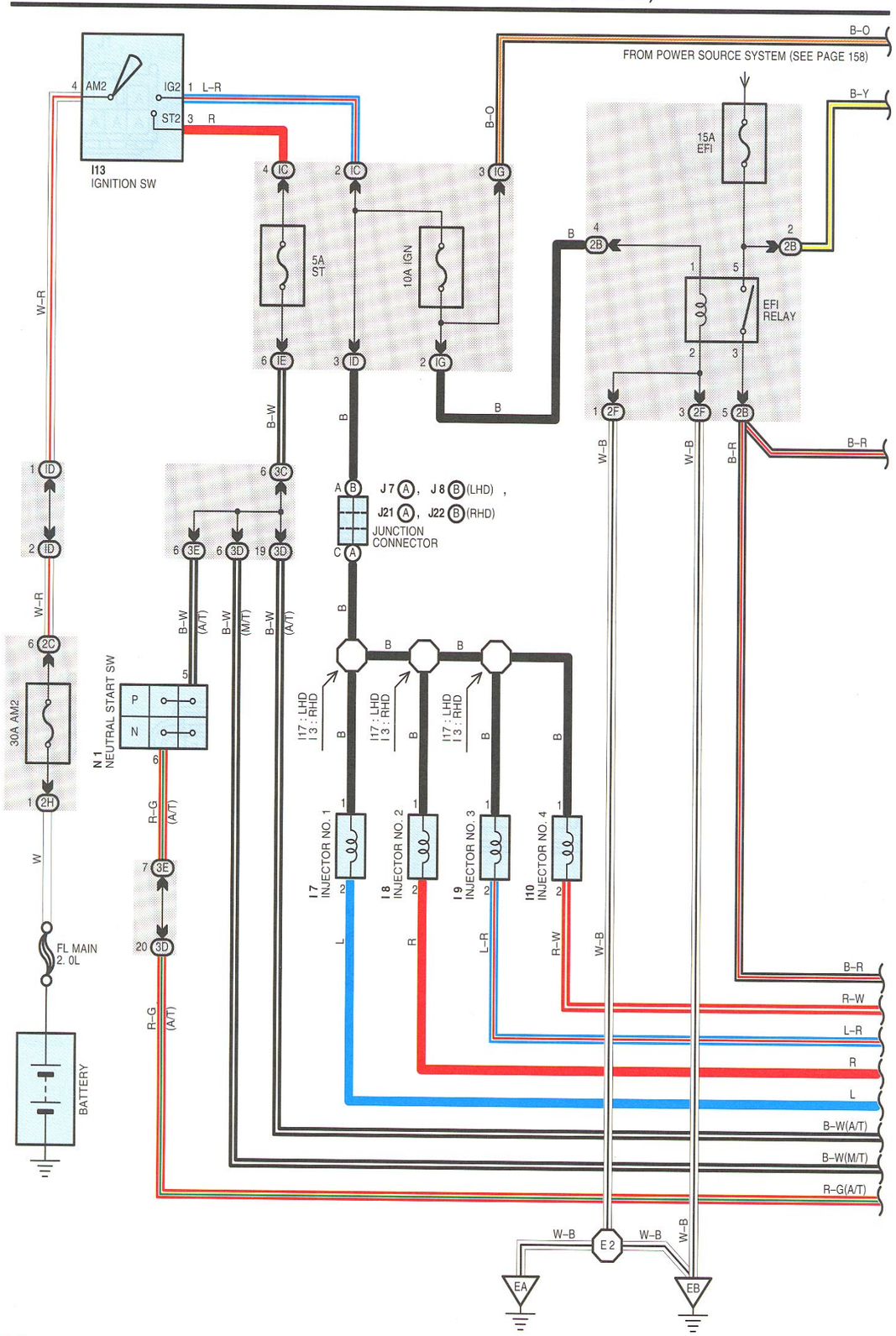
V2 BLACK

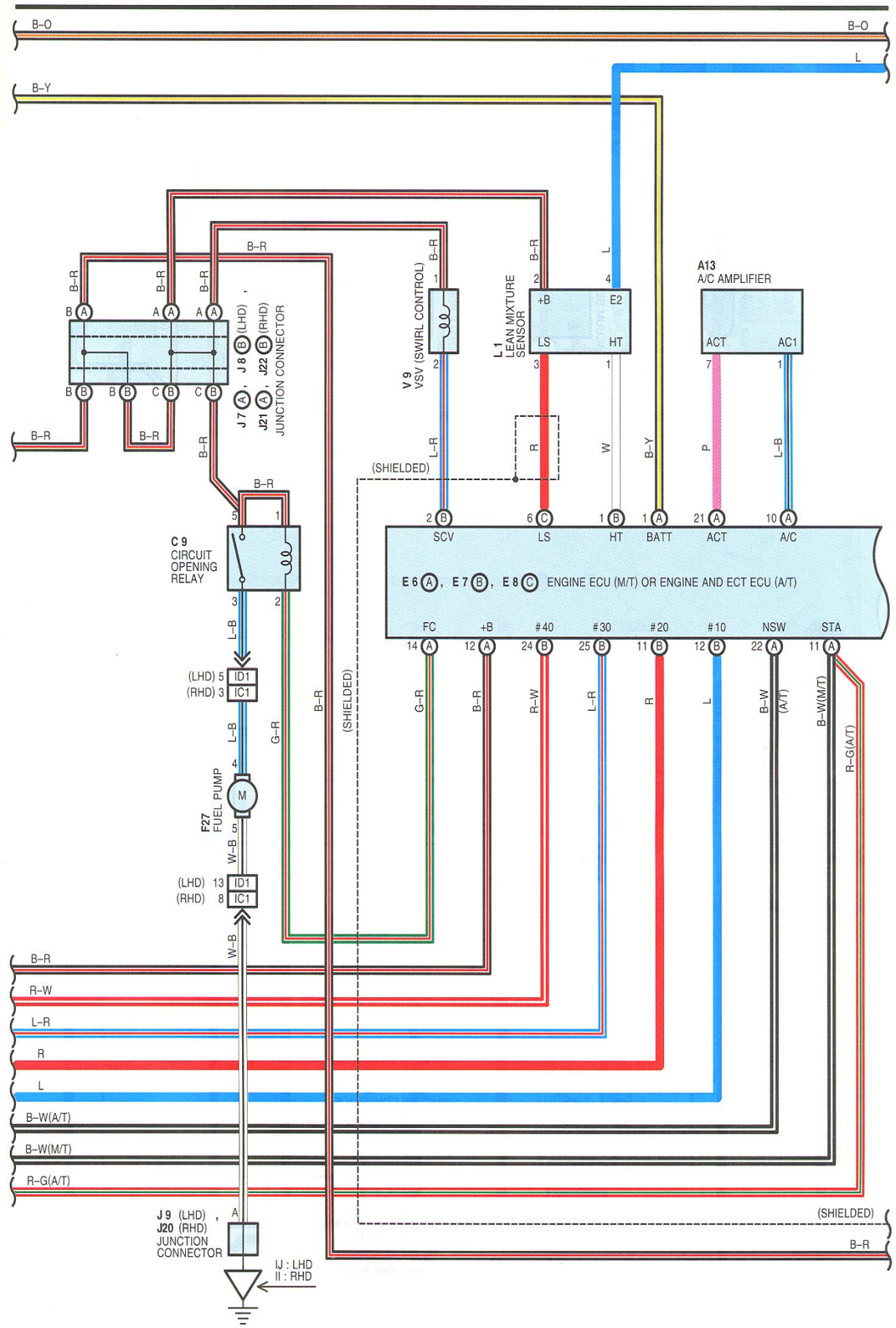
V5 BLUE



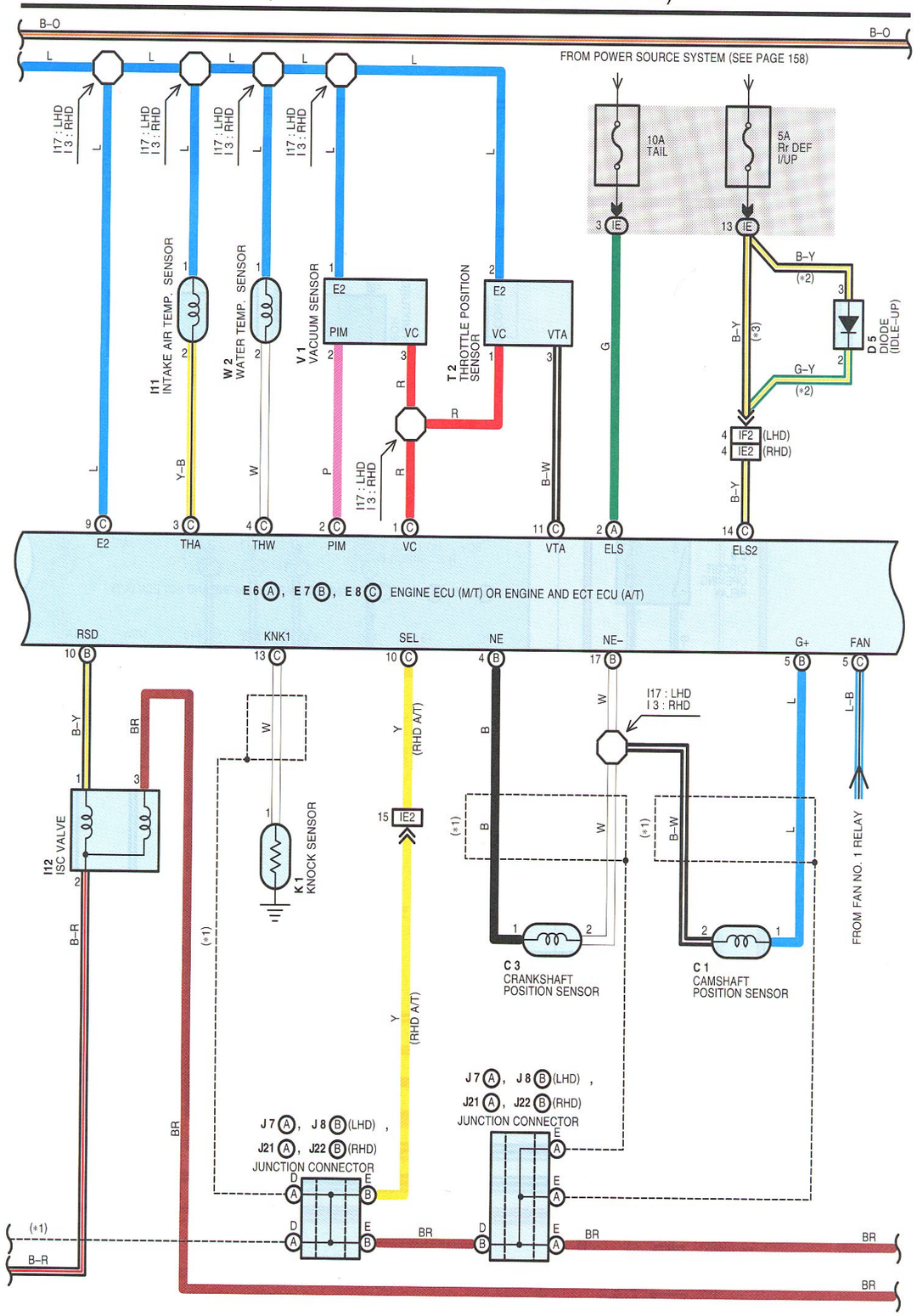
W2 DARK GRAY

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

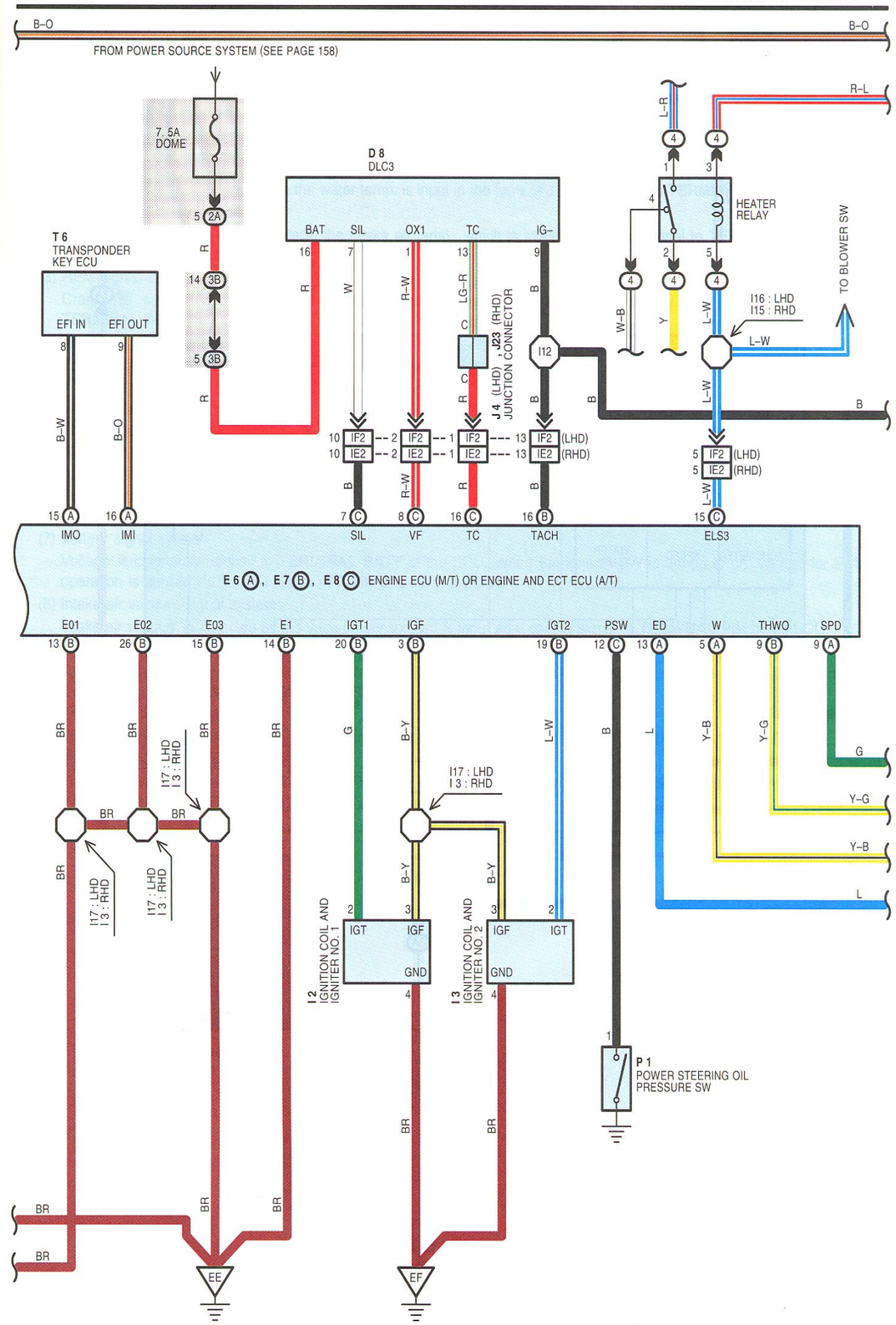




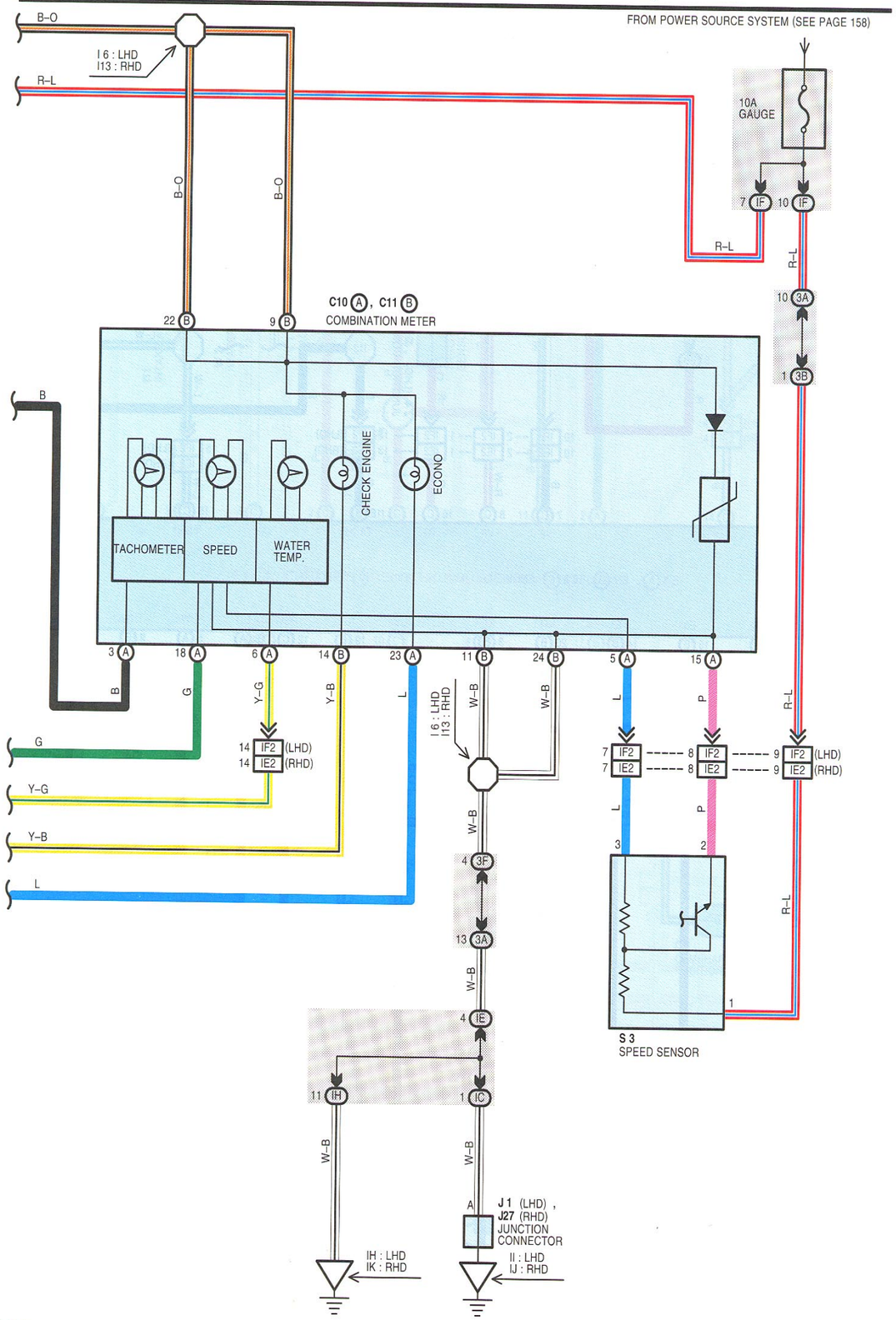
ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN TYPE)



* 1 : SHIELDED
* 2 : W/ FRONT WINDOW DEICER
* 3 : W/O FRONT WINDOW DEICER



ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN 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 is 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) 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 KNK1** 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 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
A13		76 (LHD)
		94 (RHD)
C1		68 (LHD *A)
		88 (RHD *A)
C3		68 (LHD *A)
		88 (RHD *A)
C9		76 (LHD)
		94 (RHD)
C10	A	76 (LHD)
		94 (RHD)
C11	B	76 (LHD)
		94 (RHD)
D5		76 (LHD)
		94 (RHD)
D8		76 (LHD)
		94 (RHD)
E6	A	76 (LHD)
		94 (RHD)
E7	B	76 (LHD)
		94 (RHD)
E8	C	76 (LHD)
		94 (RHD)
F27		80 (LHD S/D)
		82 (LHD L/B)
		84 (LHD W/G)
		98 (RHD S/D)

Code		See Page
F27		100 (RHD L/B)
		102 (RHD W/G)
I2		68 (LHD *A)
		88 (RHD *A)
I3		68 (LHD *A)
		88 (RHD *A)
I7		68 (LHD *A)
		88 (RHD *A)
I8		68 (LHD *A)
		88 (RHD *A)
I9		68 (LHD *A)
		88 (RHD *A)
I10		68 (LHD *A)
		88 (RHD *A)
I11		68 (LHD *A)
		88 (RHD *A)
I12		68 (LHD *A)
		88 (RHD *A)
I13		78 (LHD)
		96 (RHD)
J1		78 (LHD)
J4		78 (LHD)
J7	A	78 (LHD)
J8	B	78 (LHD)
J9		78 (LHD)
J20		96 (RHD)

Code		See Page
J21	A	96 (RHD)
J22	B	96 (RHD)
J23		96 (RHD)
J27		96 (RHD)
K1		68 (LHD *A)
		88 (RHD *A)
L1		68 (LHD *A)
		88 (RHD *A)
N1		68 (LHD *A)
		88 (RHD *A)
P1		68 (LHD *A)
		88 (RHD *A)
S3		68 (LHD *A)
		88 (RHD *A)
T2		68 (LHD *A)
		88 (RHD *A)
T6		78 (LHD)
		96 (RHD)
V1		68 (LHD *A)
		88 (RHD *A)
V9		68 (LHD *A)
		88 (RHD *A)
W2		68 (LHD *A)
		88 (RHD *A)

: 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)	

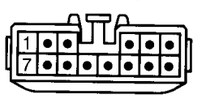
ENGINE CONTROL (7A-FE, 4A-FE LEAN BURN TYPE)

: 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

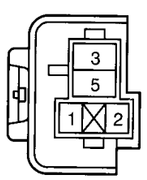
A13 BLACK



C1 BLACK

C3 DARK GRAY

C9



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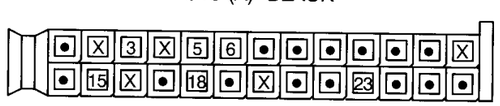
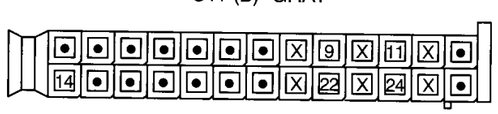
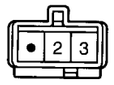


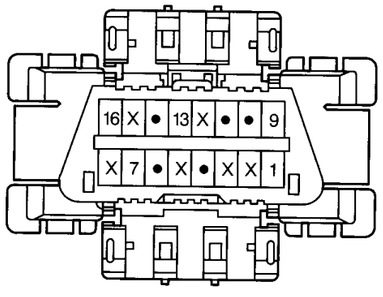
C11 (B) GRAY



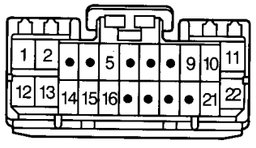
D5 ORANGE



D8



E6 (A)



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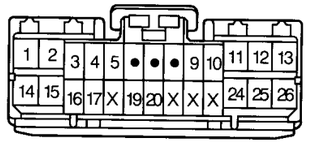
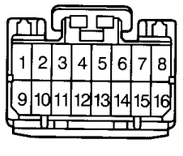
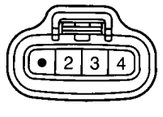


E8 (C)

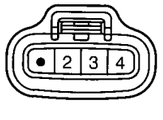


F27 DARK GRAY

I2 GRAY



I3 BLACK



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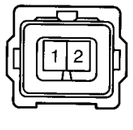

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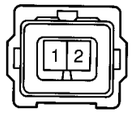

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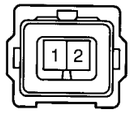

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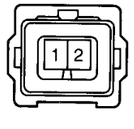
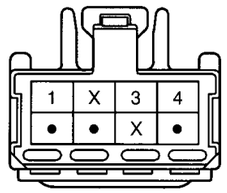


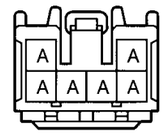
I11 BLACK

I12 GRAY

I13

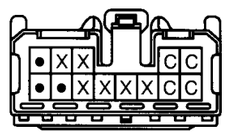


J1



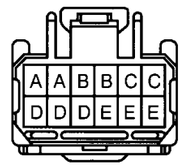
(Hint : See Page 7, 23, 39)

J4 BLUE



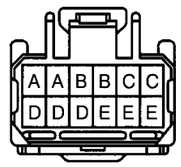
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



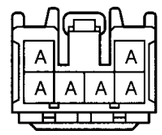
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



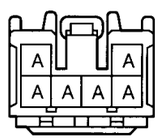
(Hint : See Page 7, 23, 39)

J9



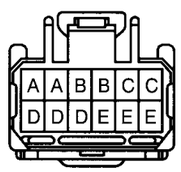
(Hint : See Page 7, 23, 39)

J20



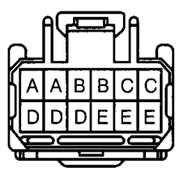
(Hint : See Page 7, 23, 39)

J21 (A) BLACK



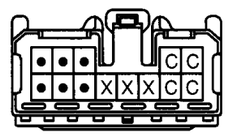
(Hint : See Page 7, 23, 39)

J22 (B) BLACK



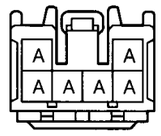
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

J27

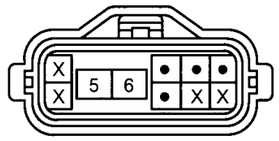


(Hint : See Page 7, 23, 39)

K1 DARK GRAY

L1 DARK GARY

N1 GRAY

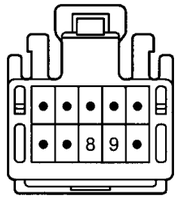


P1 BLACK

S3 BLACK

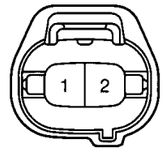
T2 BLACK

T6



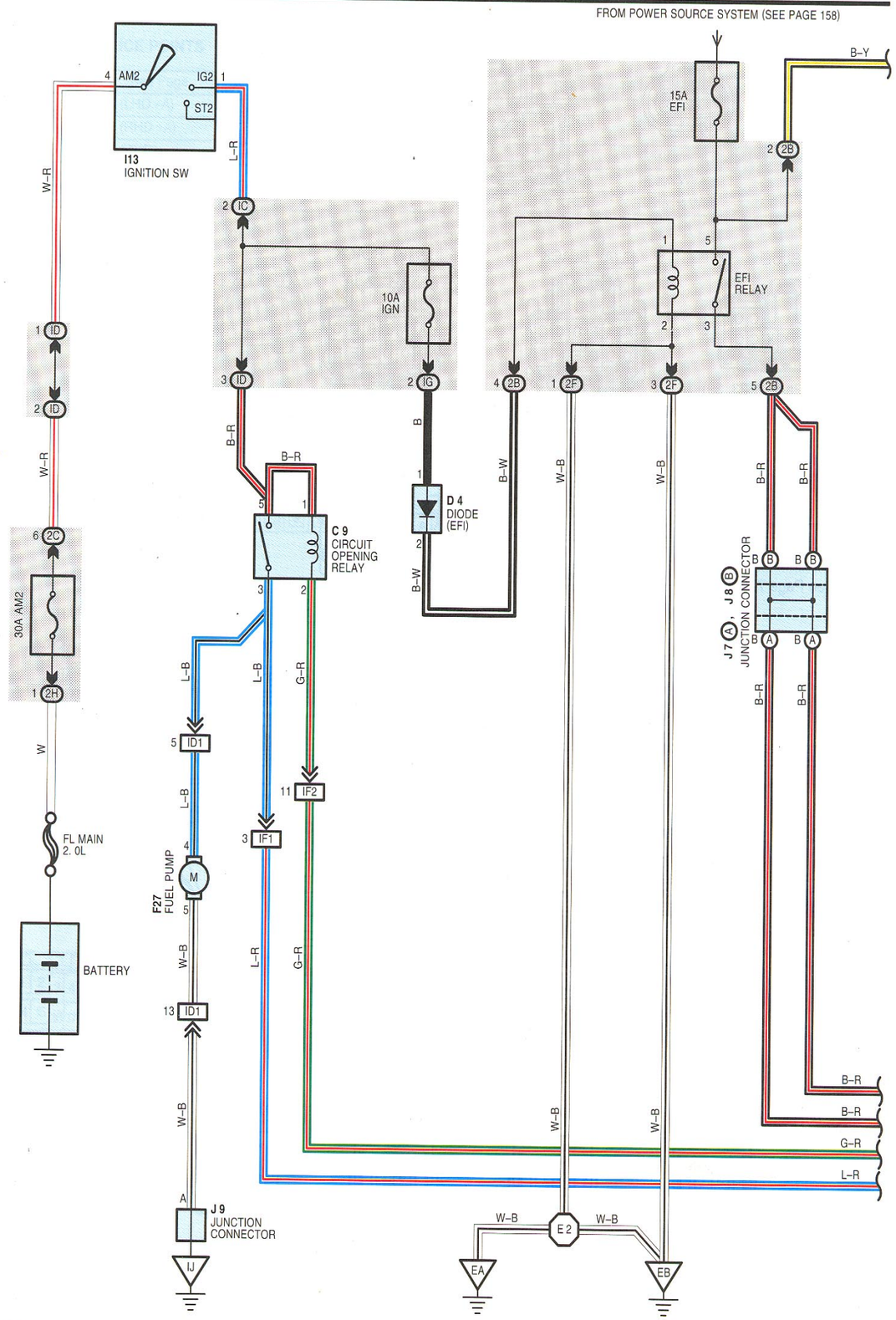
V1 BLACK

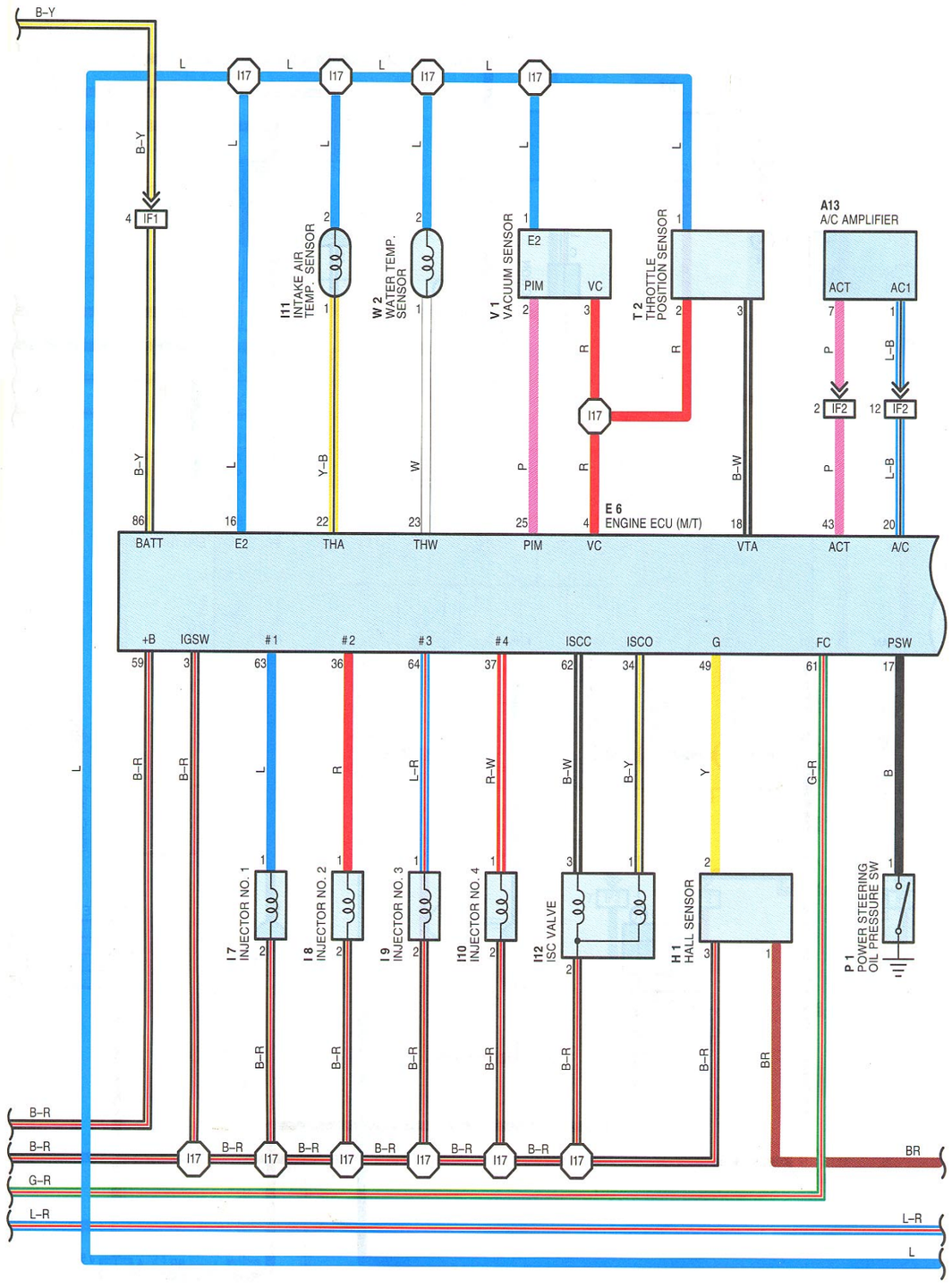
V9 BROWN



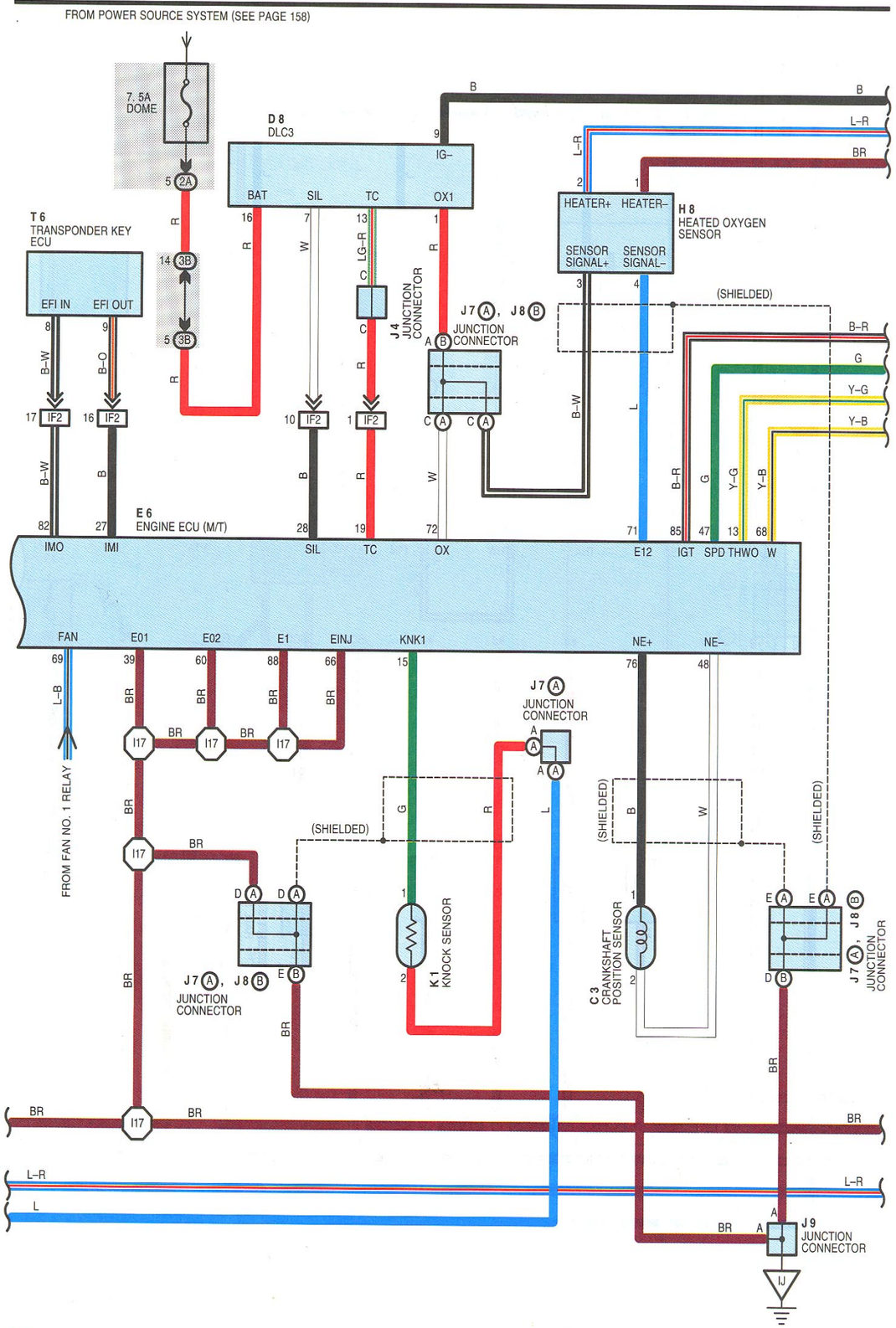
W2 DARK GRAY

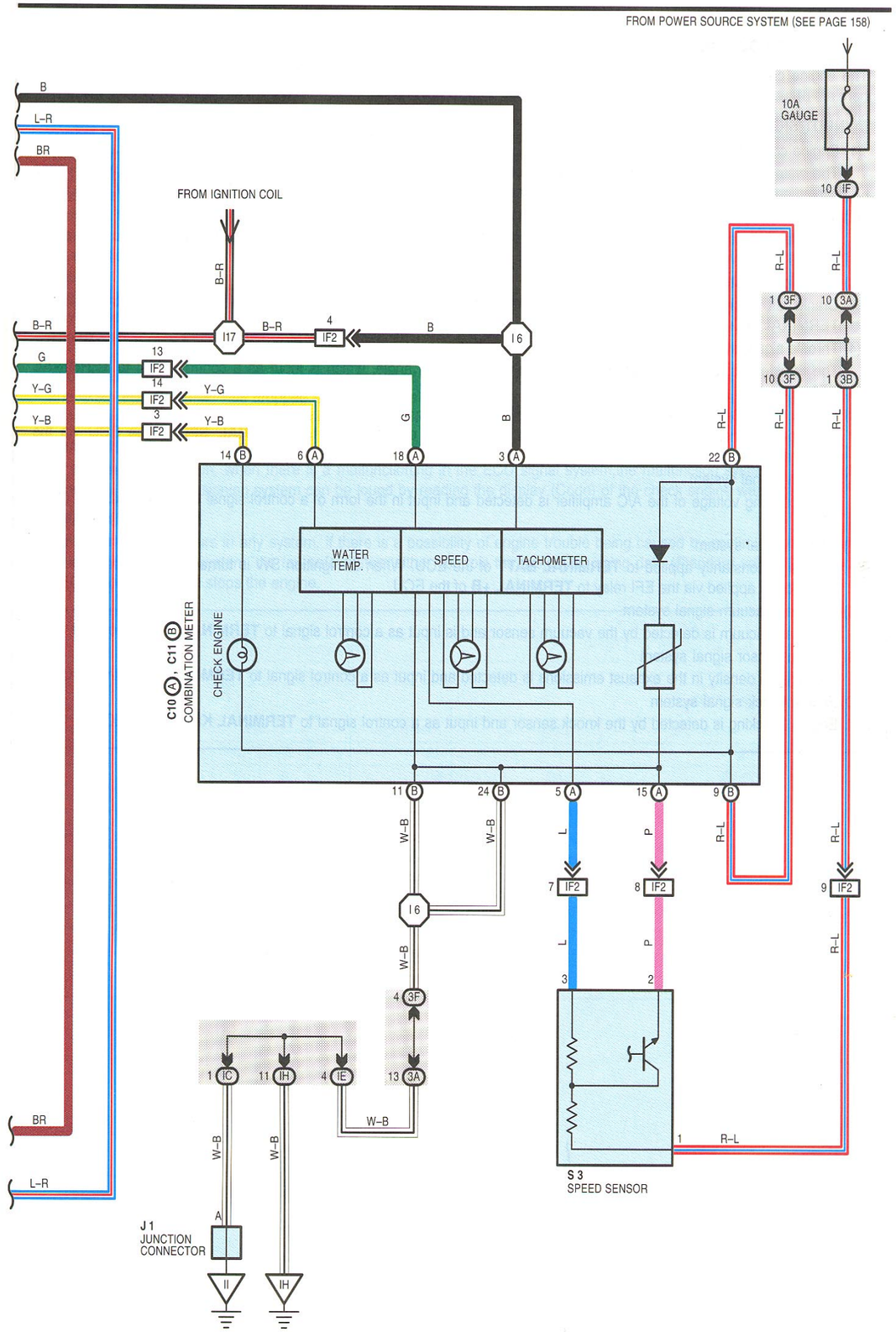
ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)





ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)





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** 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)	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

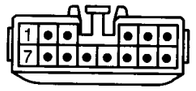
Code	See Page	Ground Points Location
EA	108 (LHD *B)	Under the Headlight RH
EB	108 (LHD *B)	Under the Headlight LH
IH	114 (LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel

⬡ : 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			

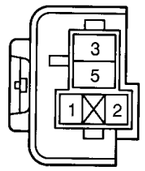
ENGINE CONTROL (4A-FE EUROPE STOICHIOMETRIC TYPE)

A13 BLACK

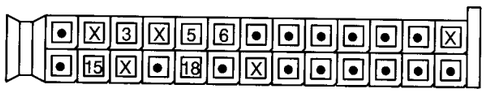


C3 DARK GARY

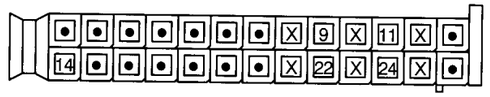
C9



C10 (A) BLACK

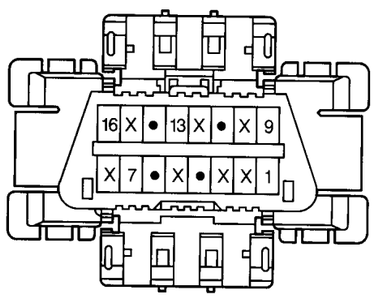


C11 (B) GREEN

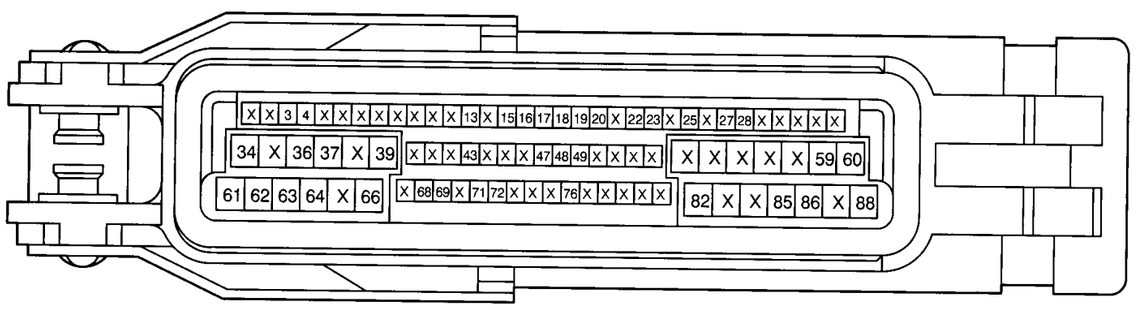


D4 BLACK

D8

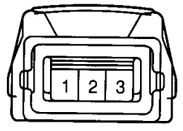


E6 BLACK



F27 DARK GRAY

H1 BLACK



H8 DARK GRAY

I7 BROWN

I8 GRAY

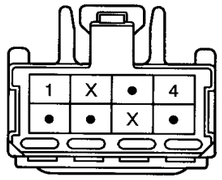
I9 BROWN

I10 GRAY

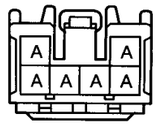
I11 BLACK

I12 GRAY

I13

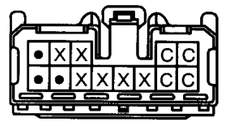


J1



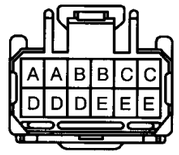
(Hint : See Page 7, 23, 39)

J4 BLUE



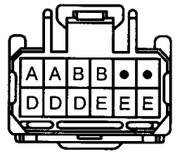
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



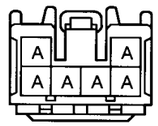
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



(Hint : See Page 7, 23, 39)

J9



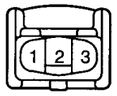
(Hint : See Page 7, 23, 39)

K1 BLACK

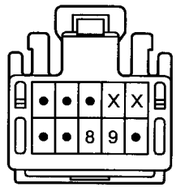
P1 BLACK

S3 BLACK

T2 BLACK



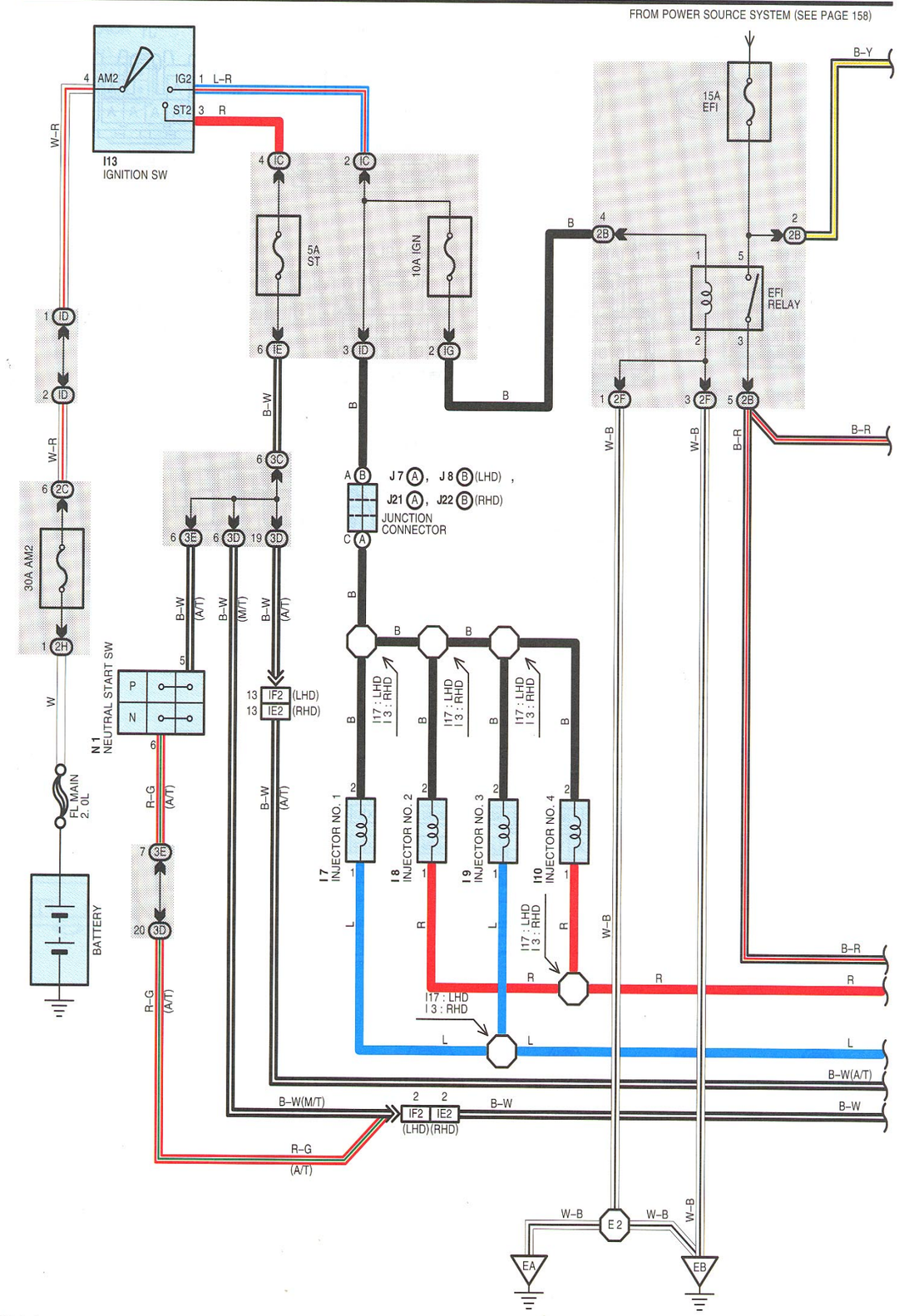
T6

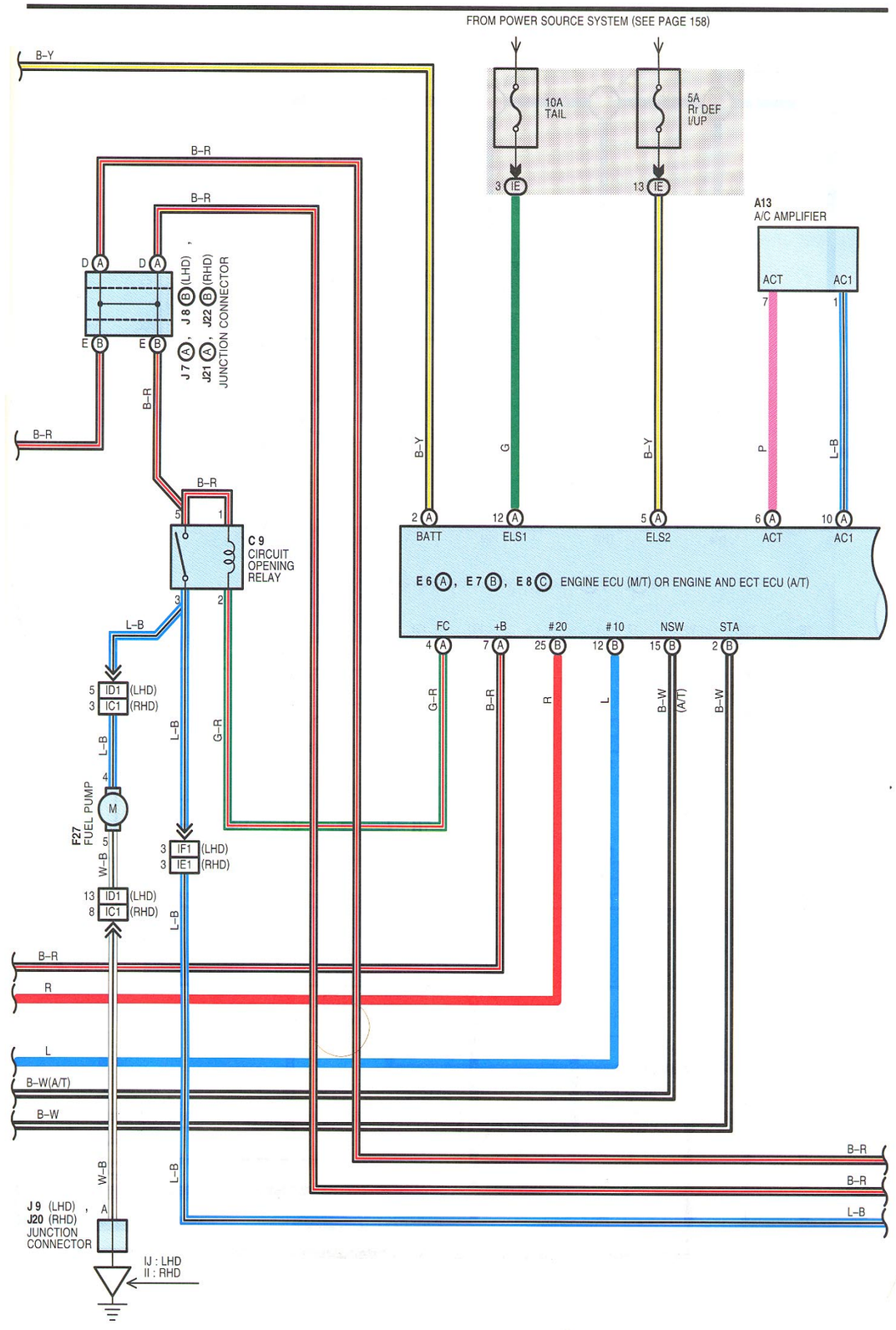


V1 BLACK

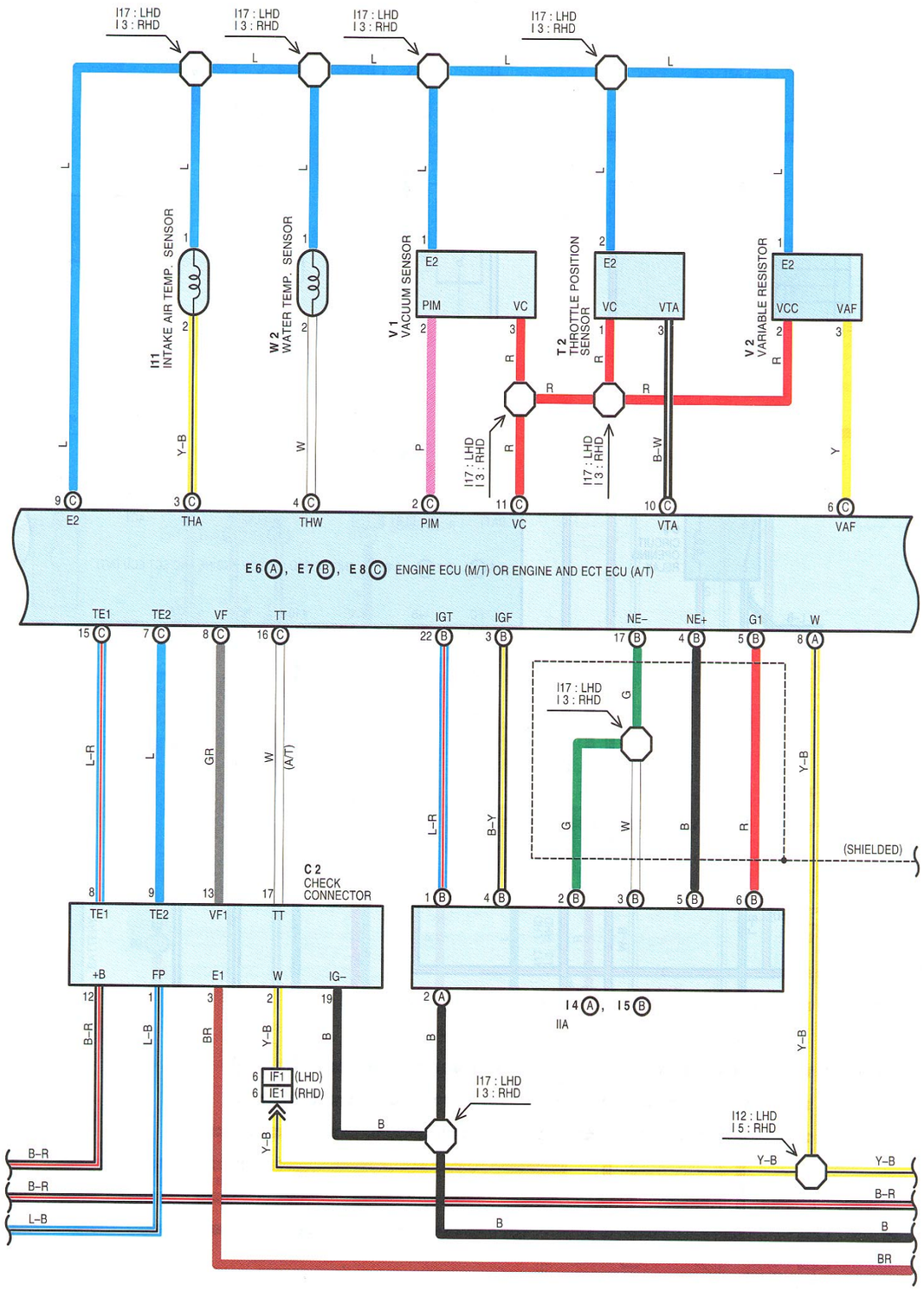
W2 BLACK

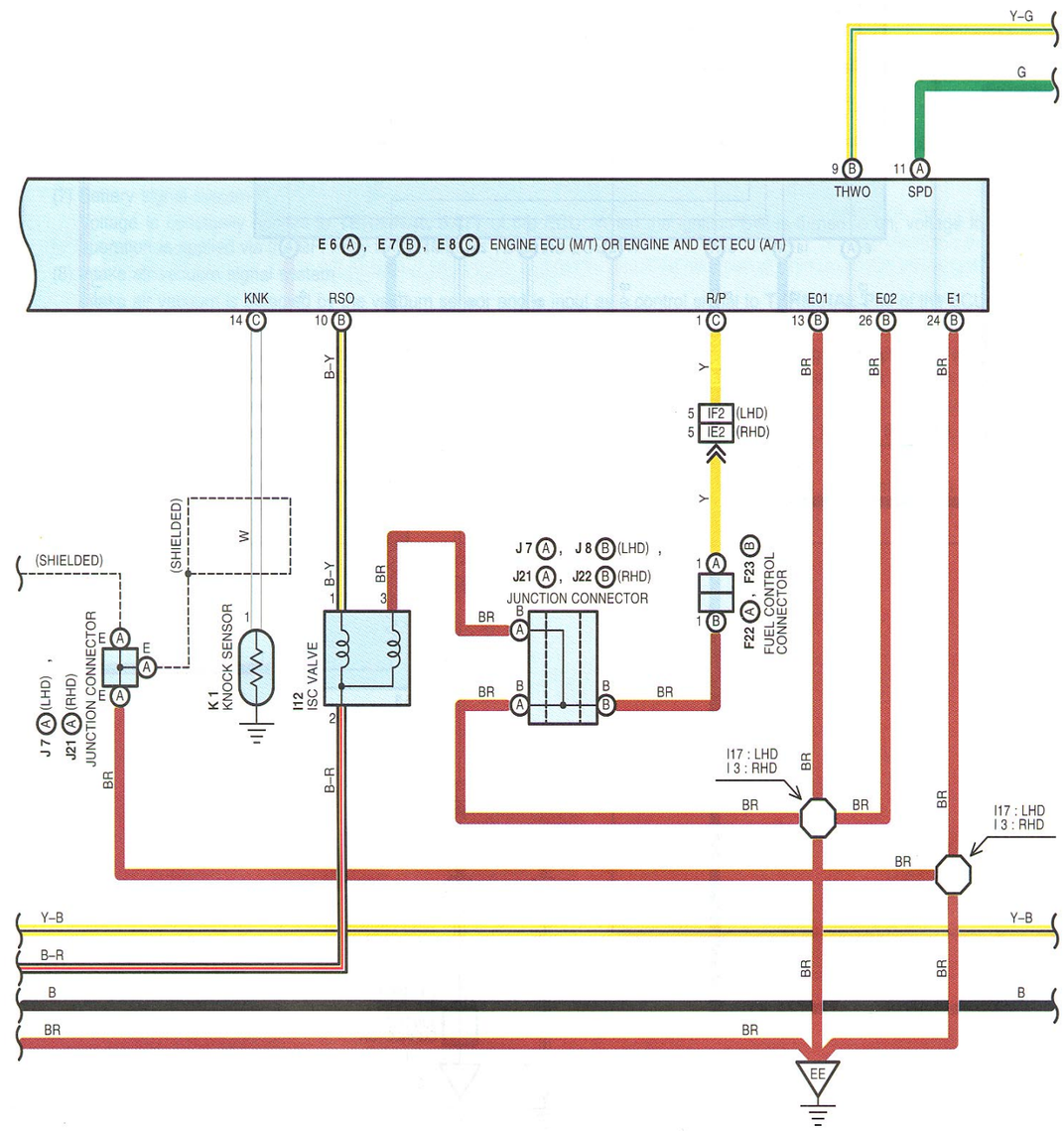
ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)



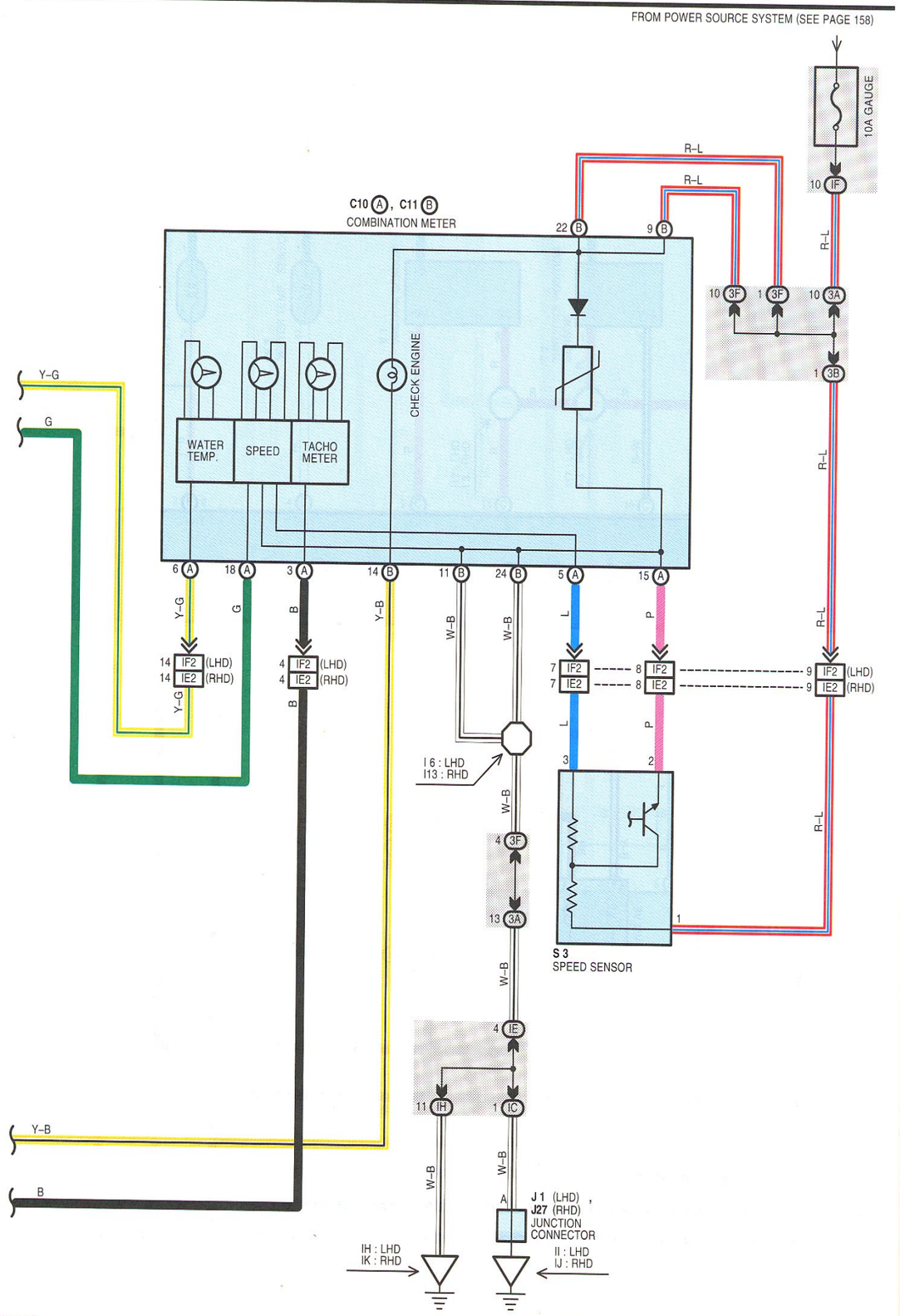


ENGINE CONTROL (4A-FE GENERAL STOICHIOMETRIC TYPE)





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
A13		76 (LHD)
		94 (RHD)
C2		70 (LHD *B)
		90 (RHD *B)
C9		76 (LHD)
		94 (RHD)
C10	A	76 (LHD)
		94 (RHD)
C11	B	76 (LHD)
		94 (RHD)
E6	A	76 (LHD)
		94 (RHD)
E7	B	76 (LHD)
		94 (RHD)
E8	C	76 (LHD)
		94 (RHD)
F22	A	78 (LHD)
		96 (RHD)
F23	B	78 (LHD)
		96 (RHD)
F27		80 (LHD S/D)
		82 (LHD L/B)

Code		See Page
F27		84 (LHD W/G)
		98 (RHD S/D)
		100 (RHD L/B)
		102 (RHD W/G)
I4	A	70 (LHD *B)
		90 (RHD *B)
I5	B	70 (LHD *B)
		90 (RHD *B)
I7		70 (LHD *B)
		90 (RHD *B)
I8		70 (LHD *B)
		90 (RHD *B)
I9		70 (LHD *B)
		90 (RHD *B)
I10		70 (LHD *B)
		90 (RHD *B)
I11		70 (LHD *B)
		90 (RHD *B)
I12		70 (LHD *B)
		90 (RHD *B)
I13		78 (LHD)
		96 (RHD)

Code		See Page
J1		78 (LHD)
J7	A	78 (LHD)
J8	B	78 (LHD)
J9		78 (LHD)
J20		96 (RHD)
J21	A	96 (RHD)
J22	B	96 (RHD)
J27		96 (RHD)
K1		70 (LHD *B)
		90 (RHD *B)
N1		70 (LHD *B)
S3		70 (LHD *B)
		90 (RHD *B)
T2		70 (LHD *B)
		90 (RHD *B)
V1		70 (LHD *B)
		90 (RHD *B)
V2		70 (LHD *B)
		90 (RHD *B)
W2		70 (LHD *B)
		90 (RHD *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)
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		

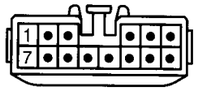
▽ : GROUND POINTS

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)	

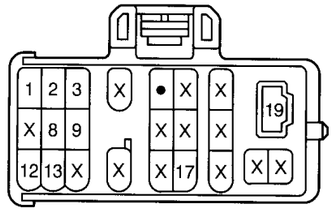
⬡ : SPLICE POINTS

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

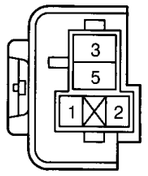
A13 BLACK



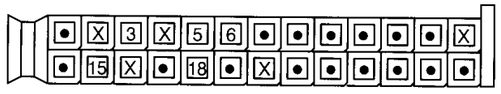
C2 BLACK



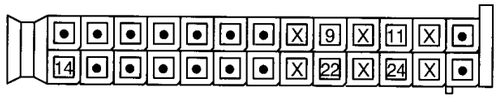
C9



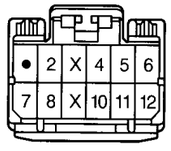
C10 (A) BLACK



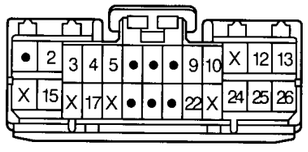
C11 (B) GREEN



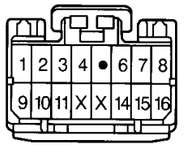
E6 (A)



E7 (B)



E8 (C)



F22 (A)

F23 (B)

F27 DARK GRAY

I4 (A) DARK GRAY

I5 (B) GRAY

I7 GRAY

I8 BROWN

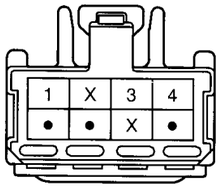
I9 GRAY

I10 BROWN

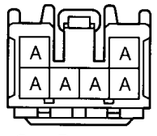
I11 BLACK

I12 GARY

I13

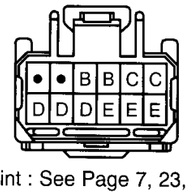


J1



(Hint : See Page 7, 23, 39)

J7 (A) BLACK

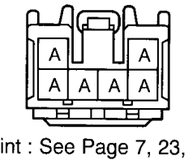


(Hint : See Page 7, 23, 39)

J8 (B) BLACK

(Hint : See Page 7, 23, 39)

J9

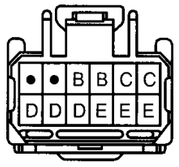


(Hint : See Page 7, 23, 39)

J20

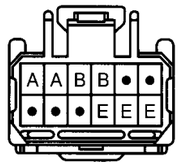
(Hint : See Page 7, 23, 39)

J21 (A) BLACK



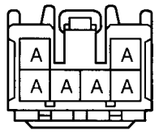
(Hint : See Page 7, 23, 39)

J22 (B) BLACK



(Hint : See Page 7, 23, 39)

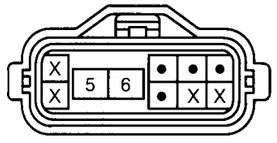
J27



(Hint : See Page 7, 23, 39)

K1 DARK GRAY

N1 GRAY



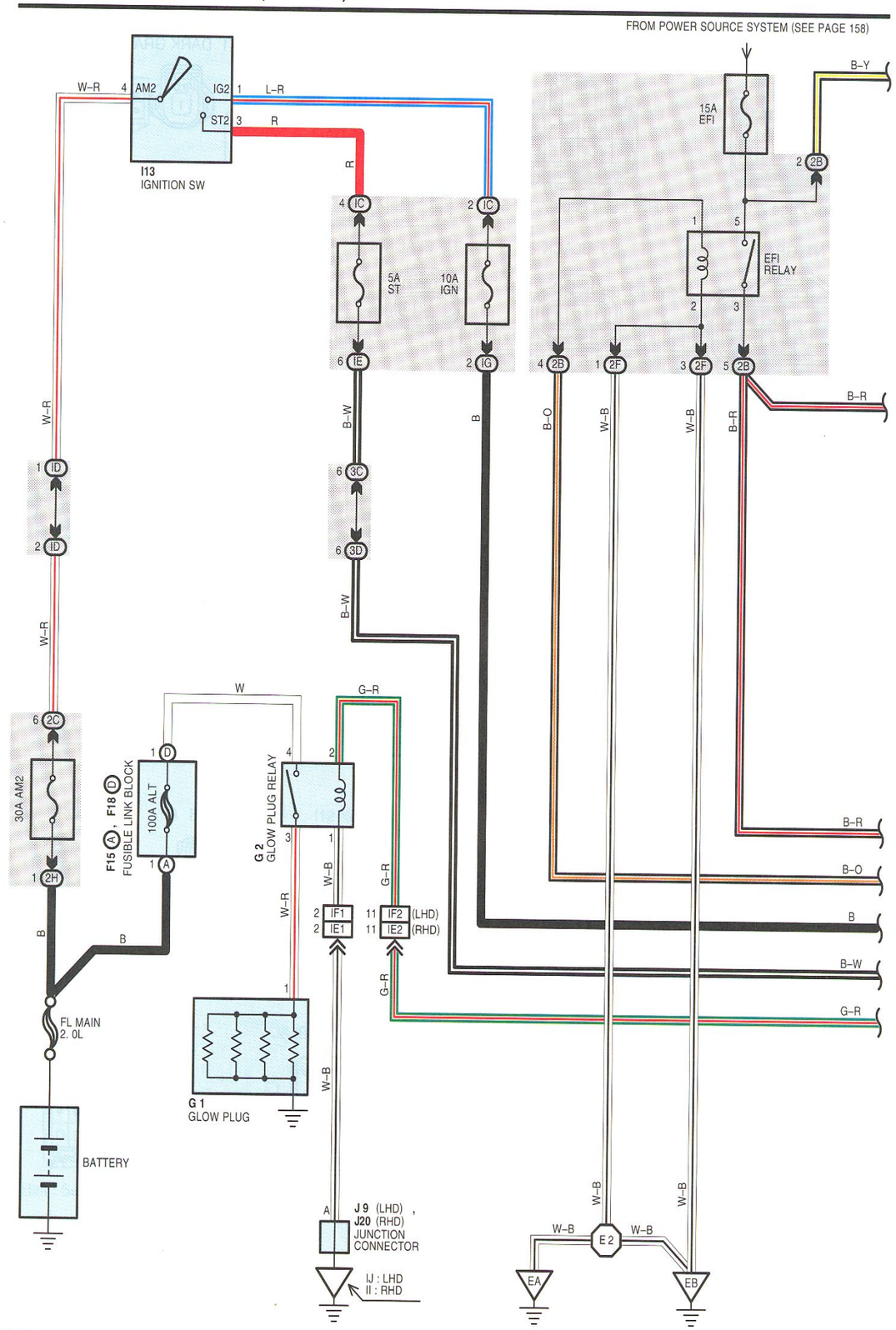
S3 BLACK

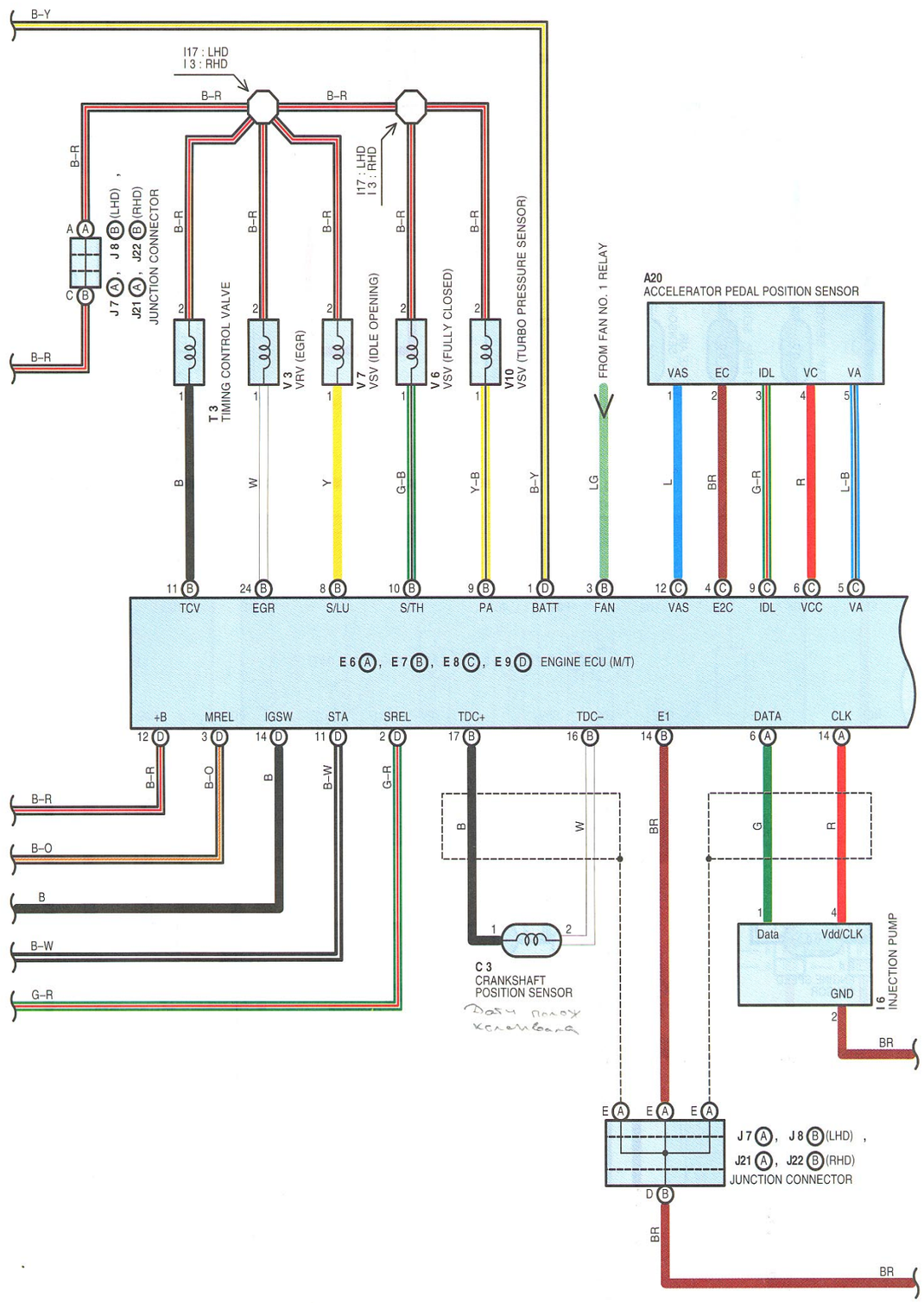
T2 BLACK

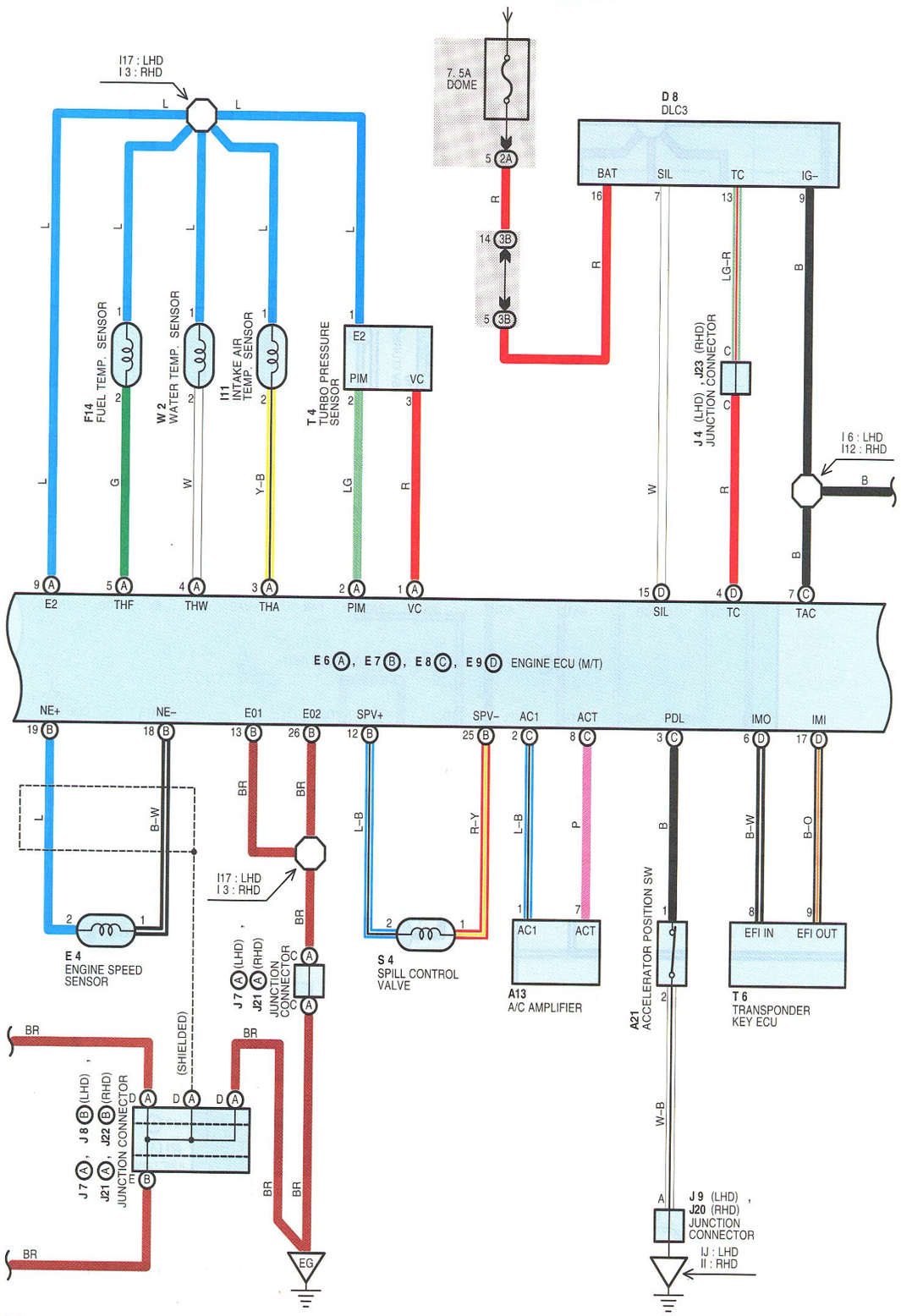
V1 BLACK

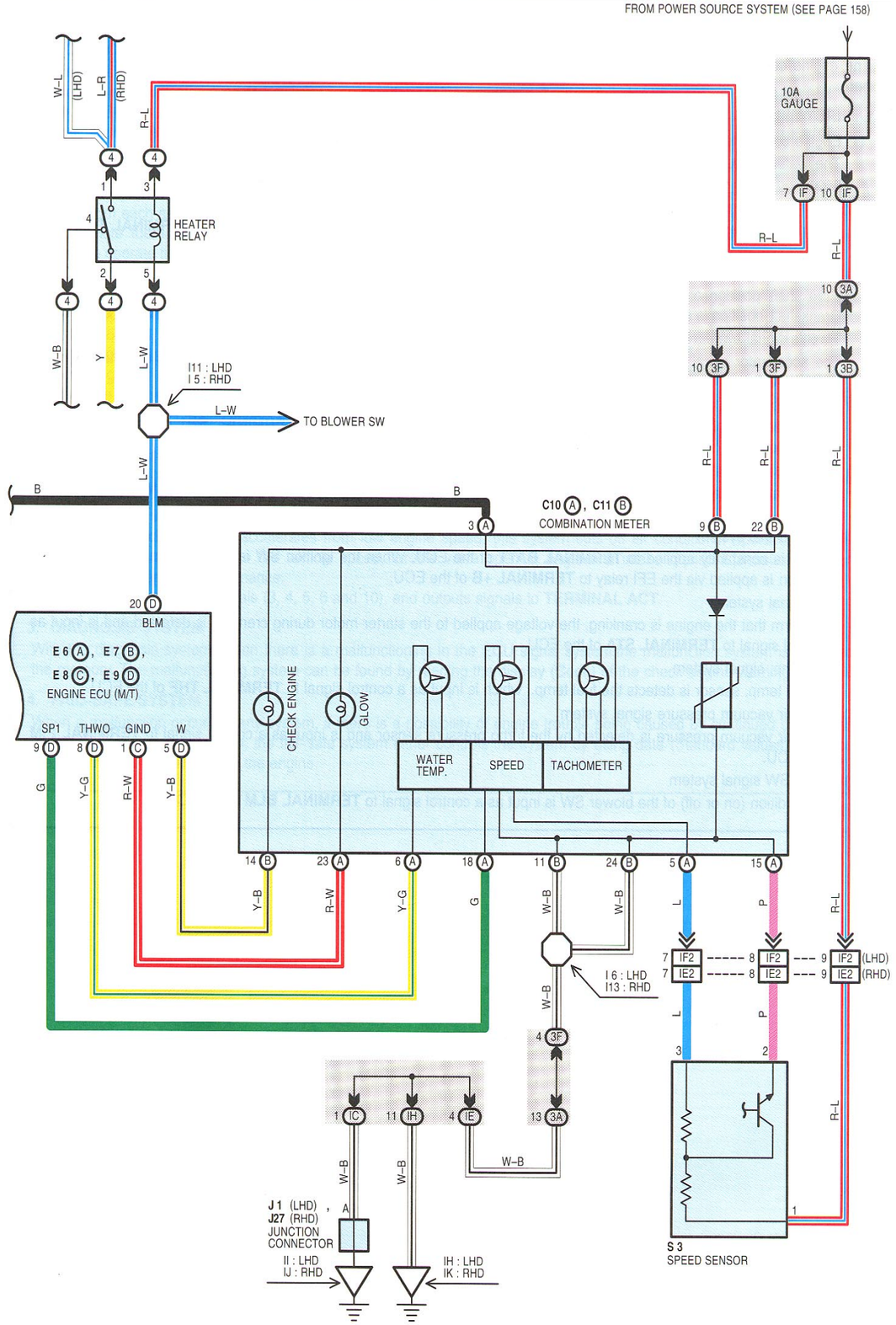
V2 BLACK

W2 DARK GRAY


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
I13
IGNITION SW
AM2
IG2
ST2
W-R
L-R
R
15A
EFI
EFI
RELAY
5A
ST
10A
IGN
B-Y
B-R
B-W
B
B-O
W-B
W-R
30A AM2
FL MAIN
2. 0L
BATTERY
F15 (A), F18 (D)
FUSIBLE LINK BLOCK
100A ALT
W
G-R
G 2
GLOW PLUG RELAY
G 1
GLOW PLUG
IF1
IE1
IF2 (LHD)
IE2 (RHD)
J9 (LHD),
J20 (RHD)
JUNCTION
CONNECTOR
IJ : LHD
II : RHD
E2
EA
EB


B-Y
I17 : LHD
I3 : RHD
B-R
J7 (A), J8 (B) (LHD),
J21 (A), J22 (B) (RHD)
JUNCTION CONNECTOR
T3
TIMING CONTROL VALVE
V3
VRV (EGR)
V7
VSV (IDLE OPENING)
V6
VSV (FULLY CLOSED)
V10
VSV (TURBO PRESSURE SENSOR)
FROM FAN NO. 1 RELAY
A20
ACCELERATOR PEDAL POSITION SENSOR
VAS
EC
IDL
VC
VA
TCV
EGR
S/LU
S/TH
PA
BATT
FAN
E6 (A), E7 (B), E8 (C), E9 (D) ENGINE ECU (M/T)
+B
MREL
IGSW
STA
SREL
TDC+
TDC-
E1
DATA
CLK
C3
CRANKSHAFT
POSITION SENSOR
Data
Vdd/CLK
GND
I6
INJECTION PUMP
J7 (A), J8 (B) (LHD),
J21 (A), J22 (B) (RHD)
JUNCTION CONNECTOR


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
I17 : LHD
I 3 : RHD
7.5A
DOME
D 8
DLC3
BAT
SIL
TC
IG–
F14
FUEL TEMP. SENSOR
W 2
WATER TEMP. SENSOR
I11
INTAKE AIR
TEMP. SENSOR
T 4
TURBO PRESSURE
SENSOR
E2
PIM
VC
J 4 (LHD) , J23 (RHD)
JUNCTION CONNECTOR
I 6 : LHD
I12 : RHD
E2
THF
THW
THA
PIM
VC
SIL
TC
TAC
E6 A, E7 B, E8 C, E9 D ENGINE ECU (M/T)
NE+
NE–
E01
E02
SPV+
SPV–
AC1
ACT
PDL
IMO
IMI
E 4
ENGINE SPEED
SENSOR
I17 : LHD
I 3 : RHD
J 7 (LHD) , J21 (RHD)
JUNCTION
CONNECTOR
S 4
SPILL CONTROL
VALVE
A13
A/C AMPLIFIER
A21
ACCELERATOR POSITION SW
T 6
TRANSPONDER
KEY ECU
EFI IN
EFI OUT
(SHIELDED)
J 8 (LHD) , J22 (RHD)
JUNCTION CONNECTOR
J 7 , J21
JUNCTION CONNECTOR
J 9 (LHD) ,
J20 (RHD)
JUNCTION
CONNECTOR
IJ : LHD
II : RHD
EG


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
W-L (LHD)
L-R (RHD)
10A
GAUGE
HEATER
RELAY
I11 : LHD
I 5 : RHD
TO BLOWER SW
C10 A, C11 B
COMBINATION METER
BLM
E6 A, E7 B,
E8 C, E9 D
ENGINE ECU (M/T)
SP1
THWO
GIND
W
CHECK ENGINE
GLOW
WATER
TEMP.
SPEED
TACHOMETER
I 6 : LHD
I13 : RHD
J 1 (LHD) ,
J27 (RHD)
JUNCTION
CONNECTOR
II : LHD
IJ : RHD
IH : LHD
IK : RHD
S 3
SPEED SENSOR

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.

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

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		

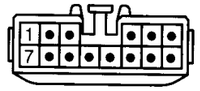
: GROUND POINTS

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)	

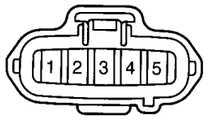
: SPLICE POINTS

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)				

A13 BLACK



(LHD) A20 DARK GRAY



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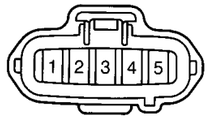
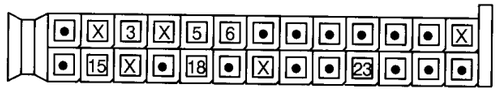


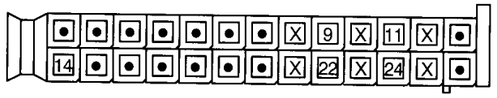
A21

C3 BLACK

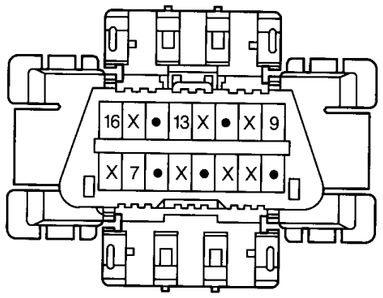
C10 (A) BLACK



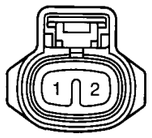
C11 (B) GREEN



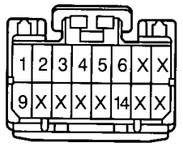
D8



E4



E6 (A)



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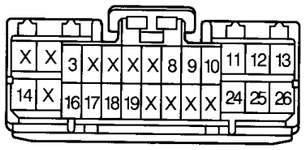
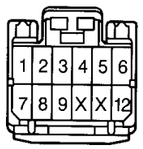
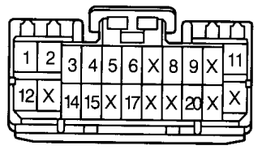


E8 (C)

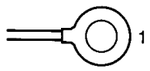


E9 (D)

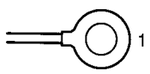


F14 DARK GRAY

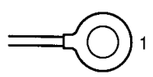
F15 (A)



F18 (D)

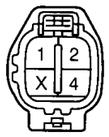


G1

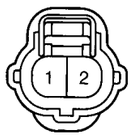


G2 GRAY

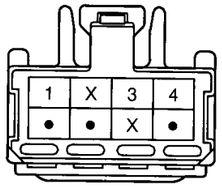
I6 BLACK



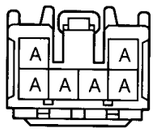
I11 DARK GRAY



I13

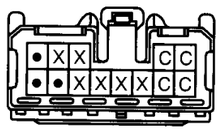


J1



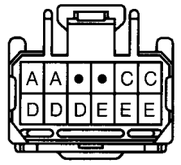
(Hint : See Page 7, 23, 39)

J4 BLUE



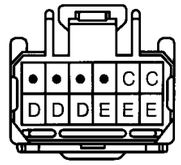
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



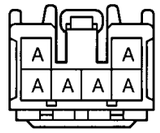
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



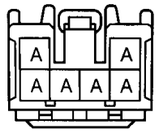
(Hint : See Page 7, 23, 39)

J9



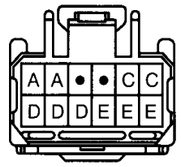
(Hint : See Page 7, 23, 39)

J20



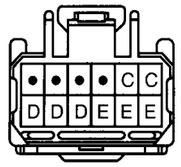
(Hint : See Page 7, 23, 39)

J21 (A) BLACK



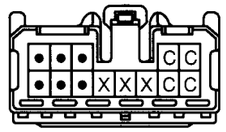
(Hint : See Page 7, 23, 39)

J22 (B) BLACK



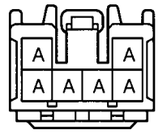
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

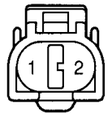
J27



(Hint : See Page 7, 23, 39)

S3 BLACK

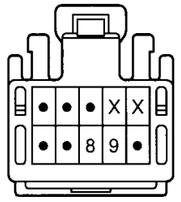
S4 GRAY



T3 BROWN

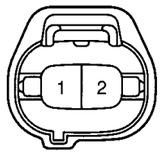
T4 BLACK

T6

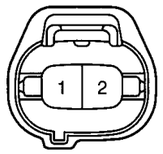


V3 BROWN

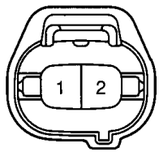
V6 BLUE



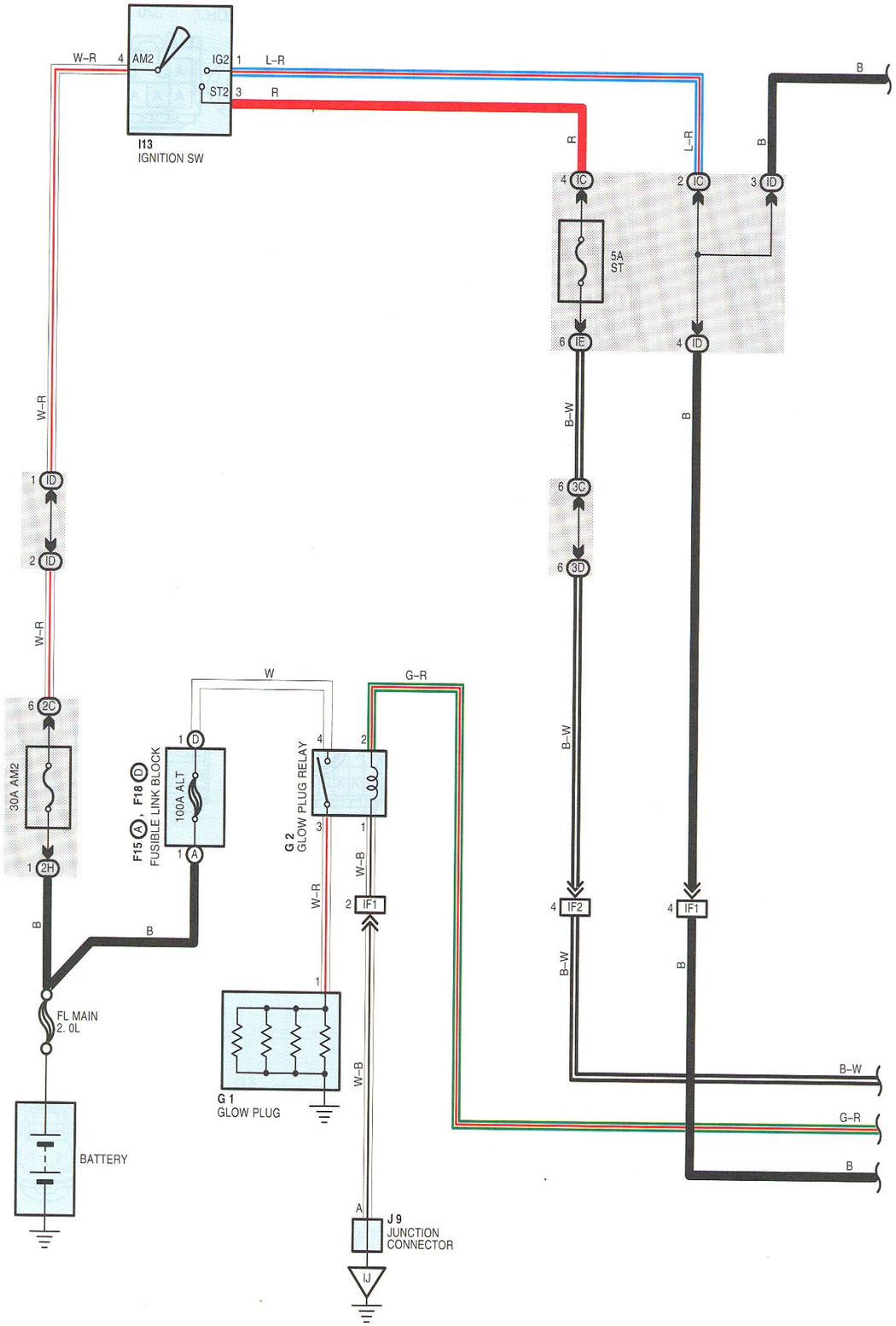
V7 BLUE

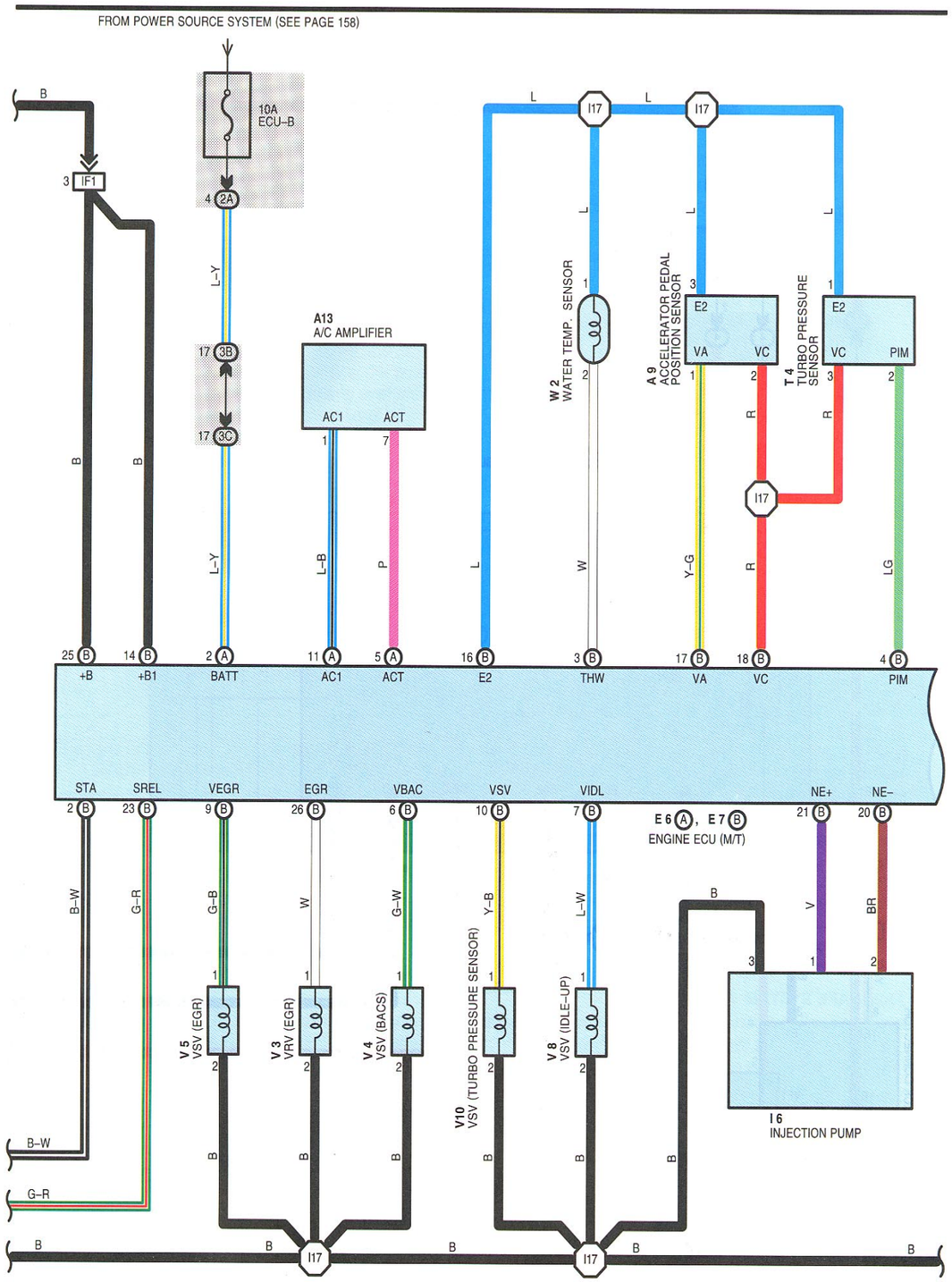


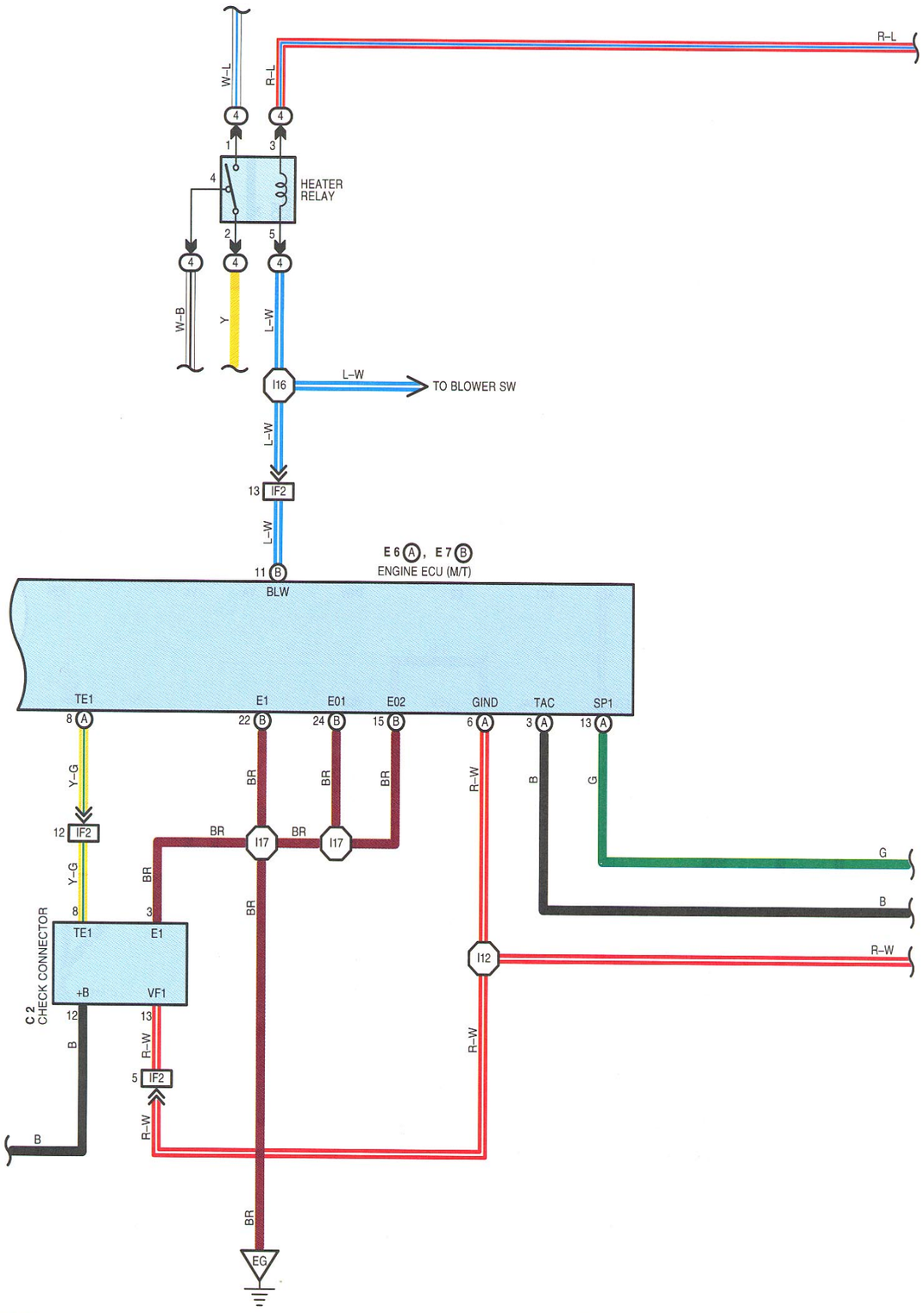
V10 BROWN

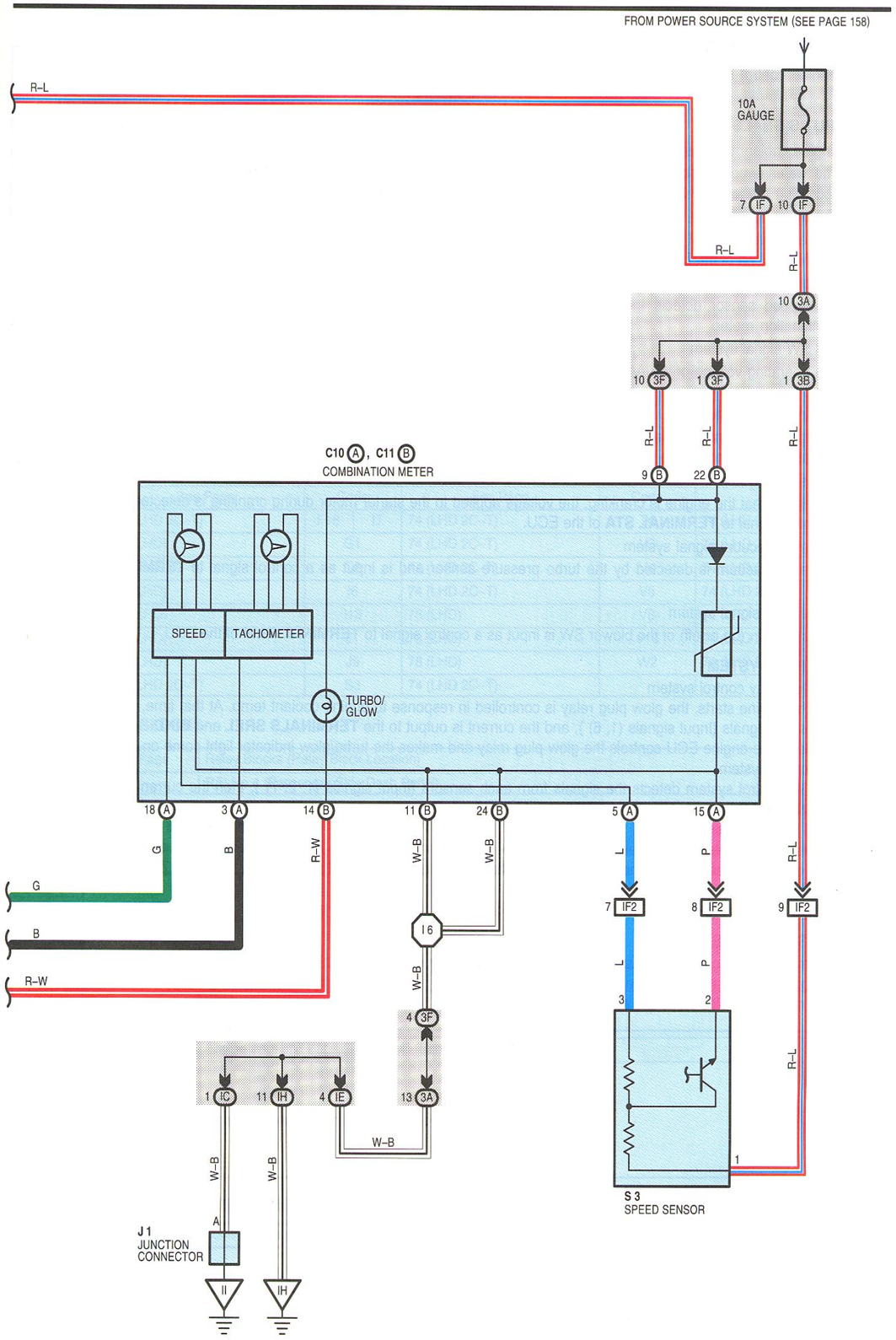


W2 DARK GARY


I13
IGNITION SW
AM2
IG2
ST2
W-R
L-R
R
B
5A
ST
IC
ID
IE
3C
3D
IF2
IF1
B-W
G-R
30A AM2
2C
2H
F15 A, F18 D
FUSIBLE LINK BLOCK
100A ALT
G 2
GLOW PLUG RELAY
W
W-B
G 1
GLOW PLUG
FL MAIN
2. 0L
BATTERY
J 9
JUNCTION
CONNECTOR
IJ


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
10A
ECU-B
2A
3B
3C
IF1
A13
A/C AMPLIFIER
AC1
ACT
W 2
WATER TEMP. SENSOR
A 9
ACCELERATOR PEDAL
POSITION SENSOR
T 4
TURBO PRESSURE
SENSOR
I17
+B
+B1
BATT
E2
THW
VA
VC
PIM
STA
SREL
VEGR
EGR
VBAC
VSV
VIDL
NE+
NE-
E 6 A, E 7 B
ENGINE ECU (M/T)
V 5
VSV (EGR)
V 3
VRV (EGR)
V 4
VSV (BACS)
V10
VSV (TURBO PRESSURE SENSOR)
V 8
VSV (IDLE-UP)
I 6
INJECTION PUMP


HEATER RELAY
TO BLOWER SW
E6 (A), E7 (B)
ENGINE ECU (M/T)
BLW
TE1
E1
E01
E02
GIND
TAC
SP1
C2
CHECK CONNECTOR
+B
VF1
EG


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
10A GAUGE
C10 (A), C11 (B)
COMBINATION METER
SPEED
TACHOMETER
TURBO/ GLOW
S3
SPEED SENSOR
J1
JUNCTION CONNECTOR

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	74 (LHD 2C-T)	T4	74 (LHD 2C-T)
A13		76 (LHD)	G1		74 (LHD 2C-T)	V3	74 (LHD 2C-T)
C2		74 (LHD 2C-T)	G2		74 (LHD 2C-T)	V4	74 (LHD 2C-T)
C10	A	76 (LHD)	I6		74 (LHD 2C-T)	V5	74 (LHD 2C-T)
C11	B	76 (LHD)	I13		78 (LHD)	V8	74 (LHD 2C-T)
E6	A	76 (LHD)	J1		78 (LHD)	V10	74 (LHD 2C-T)
E7	B	76 (LHD)	J9		78 (LHD)	W2	74 (LHD 2C-T)
F15	A	74 (LHD 2C-T)	S3		74 (LHD 2C-T)		

: 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		

: GROUND POINTS

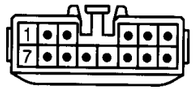
Code	See Page	Ground Points Location
EG	112 (LHD 2C-T)	Near the Starter
IH	114 (LHD)	Left Kick Panel
II		
IJ	114 (LHD)	Right Kick Panel

: SPLICE POINTS

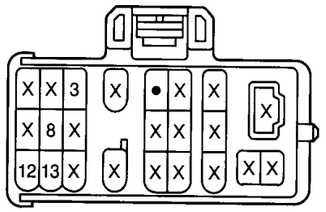
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I16	116 (LHD)	Cowl Wire
I12			I17	116 (LHD)	Engine Wire

A9 GRAY

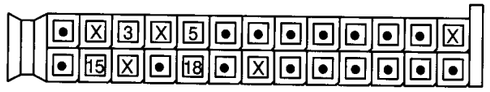
A13 BLACK



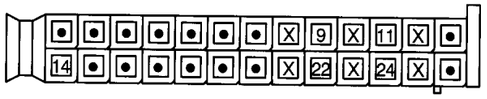
C2 BLACK



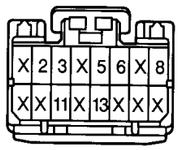
C10 (A) BLACK



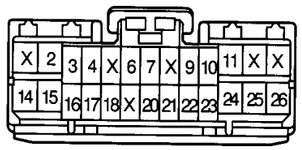
C11 (B) GREEN



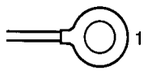
E6 (A)



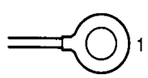
E7 (B)



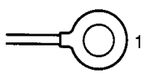
F15 (A)



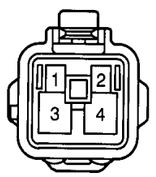
F18 (D)



G1

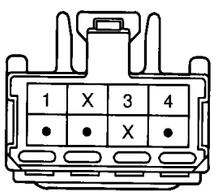


G2 GRAY

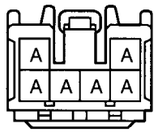


I6 GRAY

I13

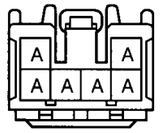


J1



(Hint : See Page 7, 23, 39)

J9



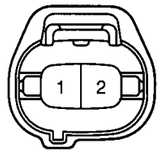
(Hint : See Page 7, 23, 39)

S3 BLACK

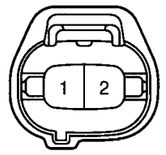
T4 BLACK

V3 BROWN

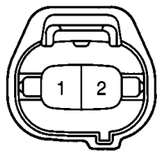
V4 BLACK



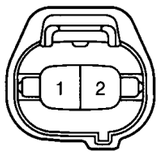
V5 BLUE



V8 BROWN

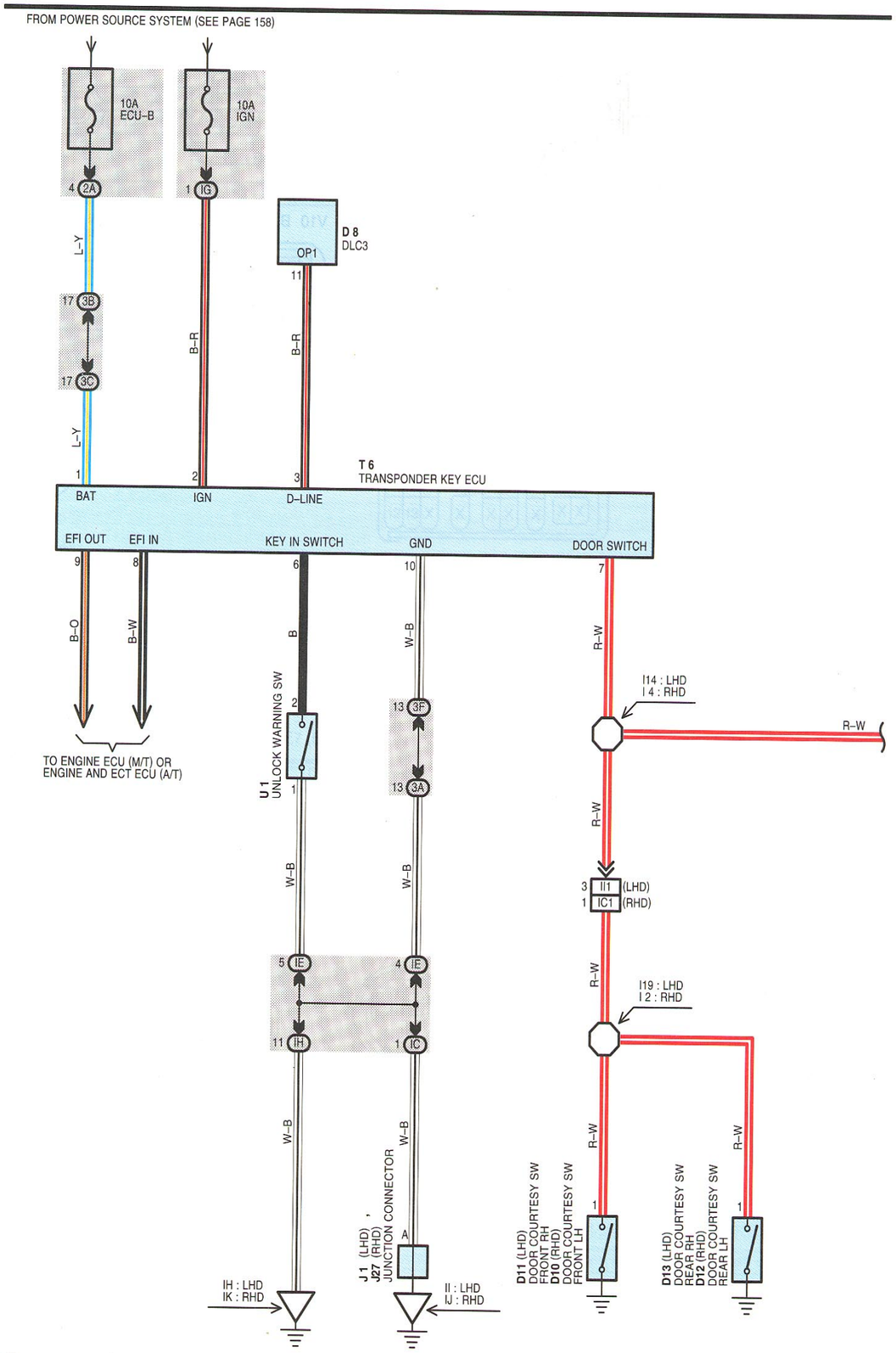


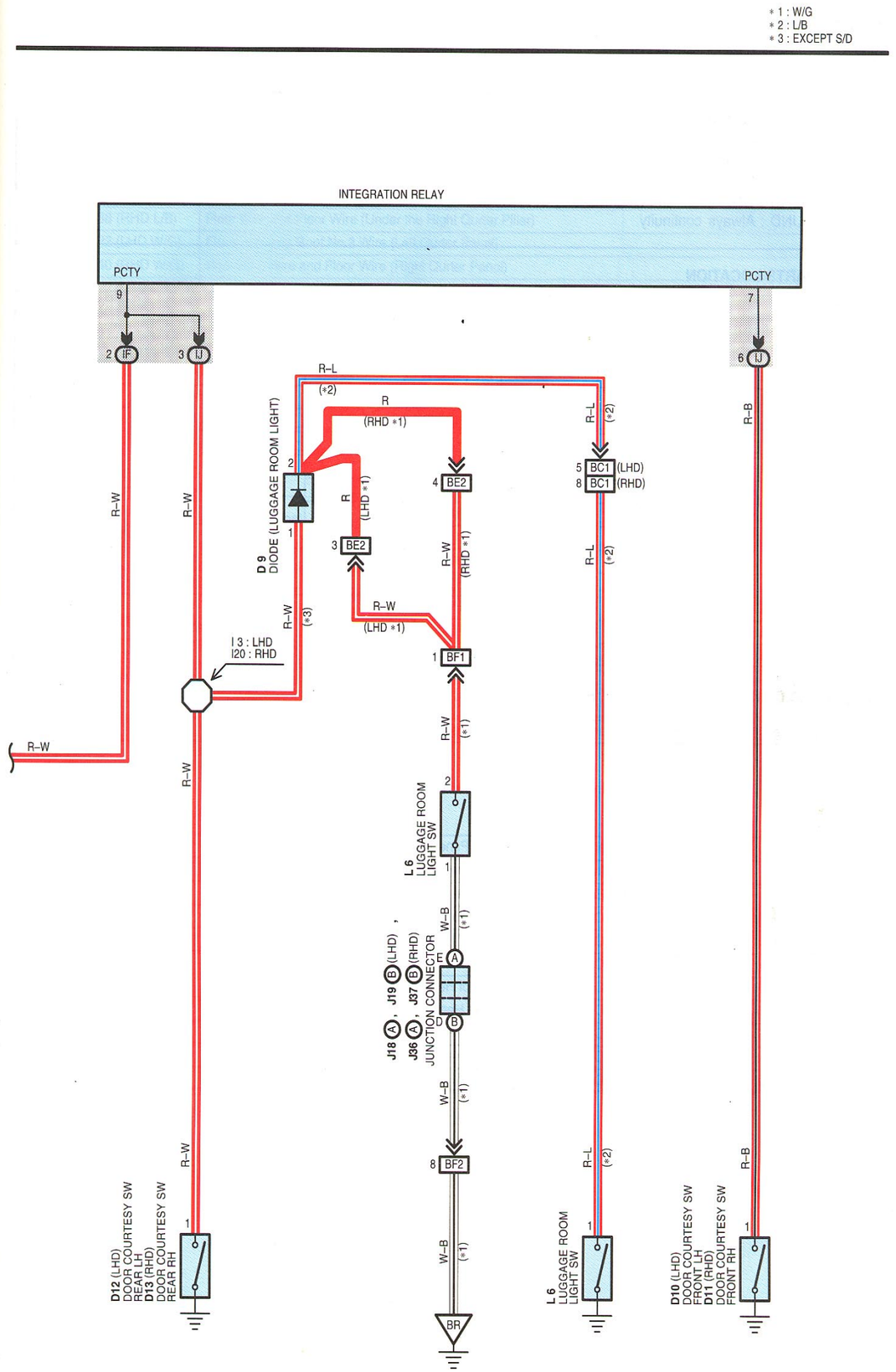
V10 BLACK



W2 GREEN

ENGINE IMMOBILISER SYSTEM





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)	D13	80 (LHD S/D)			102 (RHD W/G)
	100 (RHD L/B)		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 Qurter Pillar)
	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Qurter Pillar)
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)
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)	

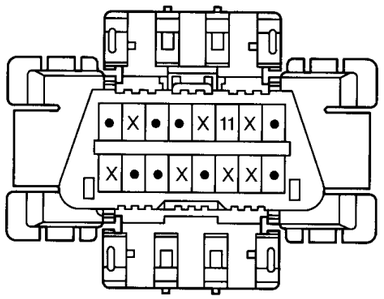
: GROUND POINTS

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

D8



D9 BLACK

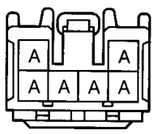
D10

D11

D12

D13

J1



(Hint : See Page 7, 23, 39)

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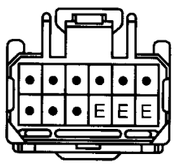

(Hint : See Page 7, 23, 39)

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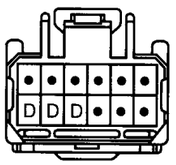
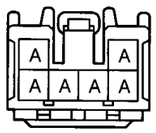


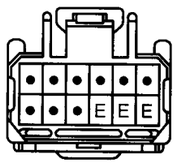
(Hint : See Page 7, 23, 39)

J27



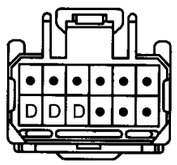
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



(Hint : See Page 7, 23, 39)

J37 (B) BLACK

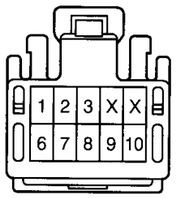


(Hint : See Page 7, 23, 39)

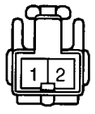
(W/G) L6

(L/B) L6 GRAY

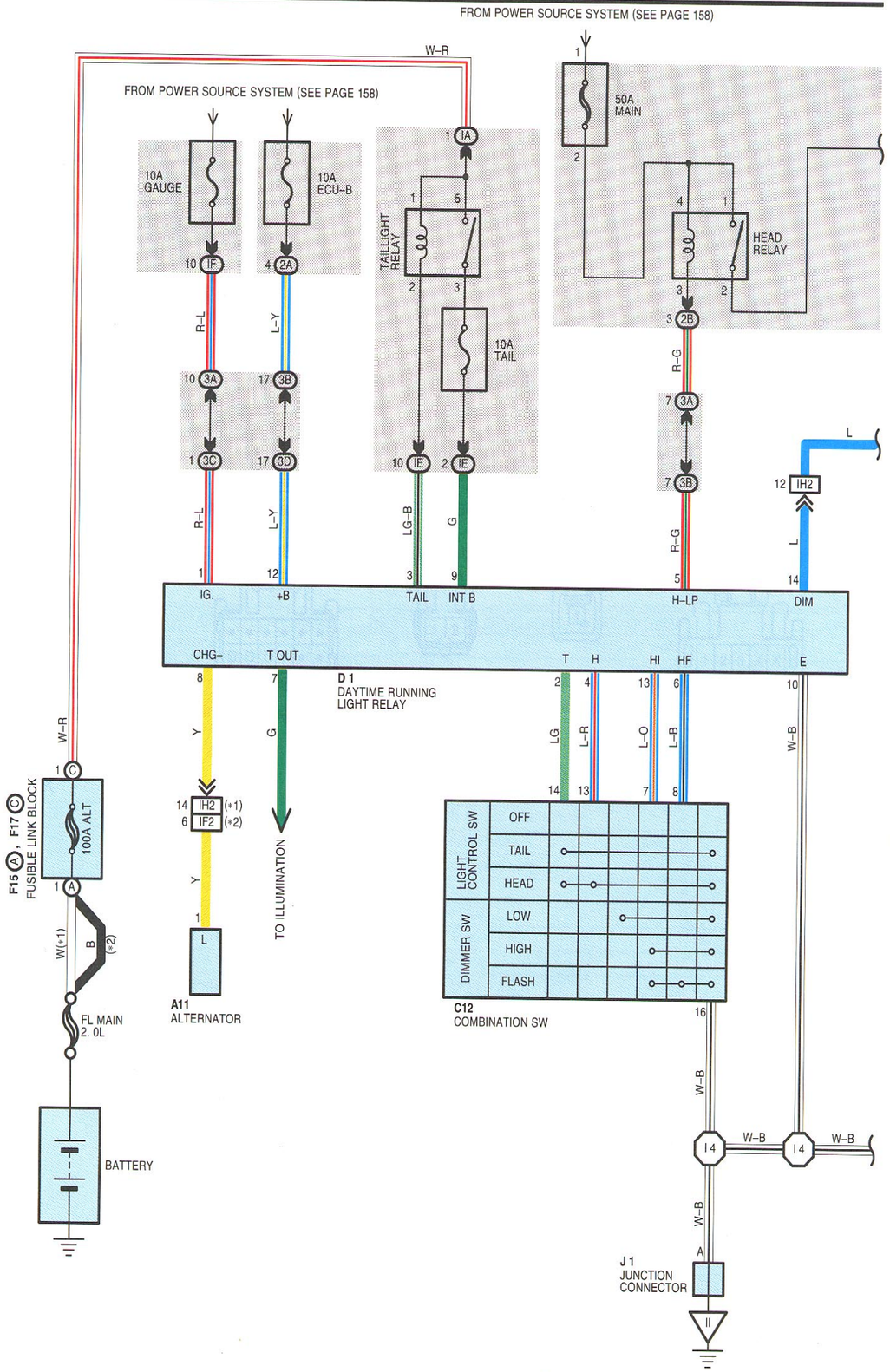
T6



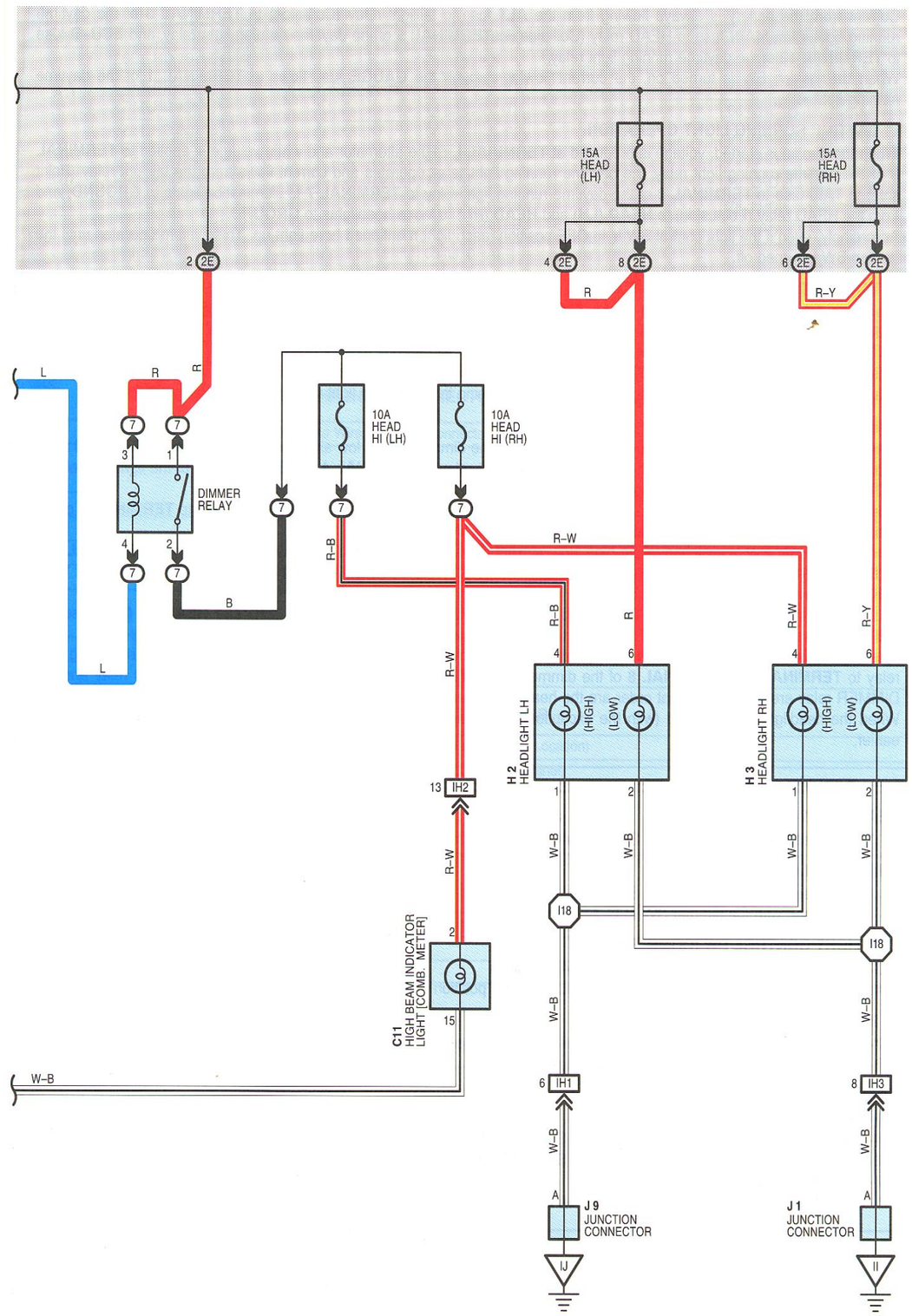
U1 BLACK



HEADLIGHT (w/ DAYTIME RUNNING LIGHT)



* 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 **TERMINAL 7** 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	70 (LHD ∗B)	H2	70 (LHD ∗B)
	68 (LHD ∗A)		72 (LHD 2C-TE)		72 (LHD 2C-TE)
	70 (LHD ∗B)		74 (LHD 2C-T)	H3	66 (LHD 3S-FE)
	72 (LHD 2C-TE)	F17 C	66 (LHD 3S-FE)		68 (LHD ∗A)
C11	76 (LHD)		68 (LHD ∗A)		70 (LHD ∗B)
C12	76 (LHD)		70 (LHD ∗B)		72 (LHD 2C-TE)
D1	76 (LHD)		72 (LHD 2C-TE)	J1	78 (LHD)
F15 A	66 (LHD 3S-FE)	H2	66 (LHD 3S-FE)	J9	78 (LHD)
	68 (LHD ∗A)		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

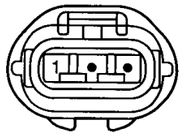
Code	See Page	Ground Points Location
II	114 (LHD)	Left Kick Panel
IJ	114 (LHD)	Right Kick Panel

: SPLICE POINTS

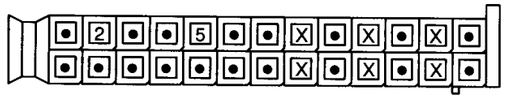
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	116 (LHD)	Cowl Wire	I18	116 (LHD)	Engine Room Main Wire

HEADLIGHT (w/ DAYTIME RUNNING LIGHT)

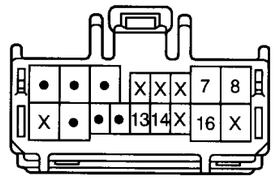
A11 BLACK



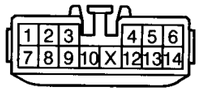
C11 GREEN



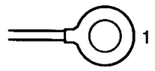
C12



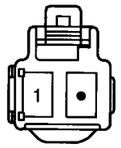
D1 BLUE



F15 (A)



F17 (C) BLUE



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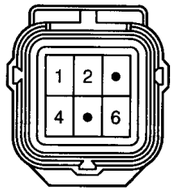

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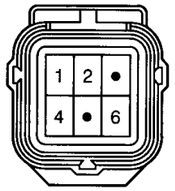
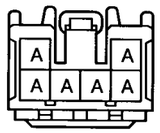
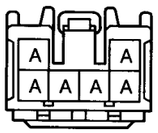


J1



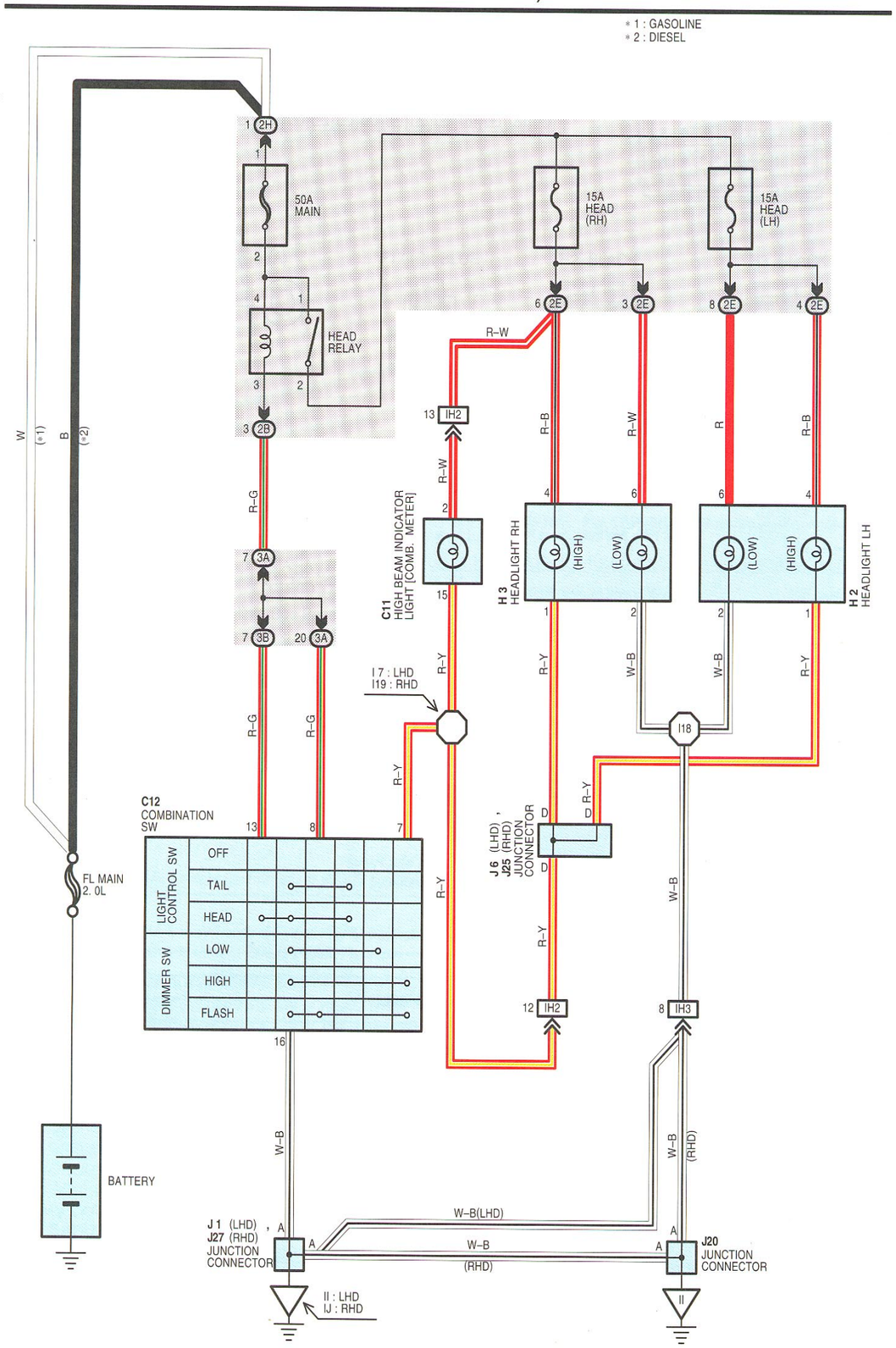
(Hint : See Page 7, 23, 39)

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

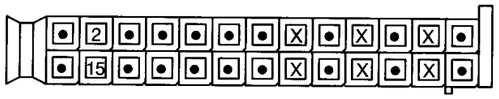
Code	See Page	Ground Points Location
II	114 (LHD)	Left Kick Panel
	132 (RHD)	
IJ	132 (RHD)	Right Kick Panel

: SPLICE POINTS

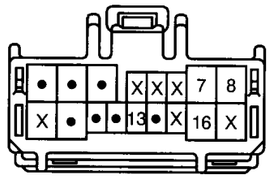
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	116 (LHD)	Cowl Wire	I18	134 (RHD)	Engine Room Main Wire
I18	116 (LHD)	Engine Room Main Wire	I19	134 (RHD)	Cowl Wire

HEADLIGHT (w/o DAYTIME RUNNING LIGHT)

C11 GREEN



C12



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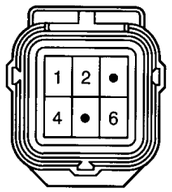

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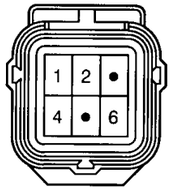
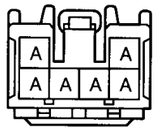
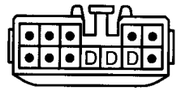


J1



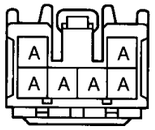
(Hint : See Page 7, 23, 39)

J6 BLACK



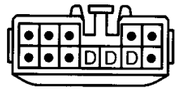
(Hint : See Page 7, 23, 39)

J20



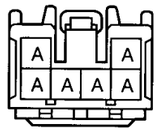
(Hint : See Page 7, 23, 39)

J25

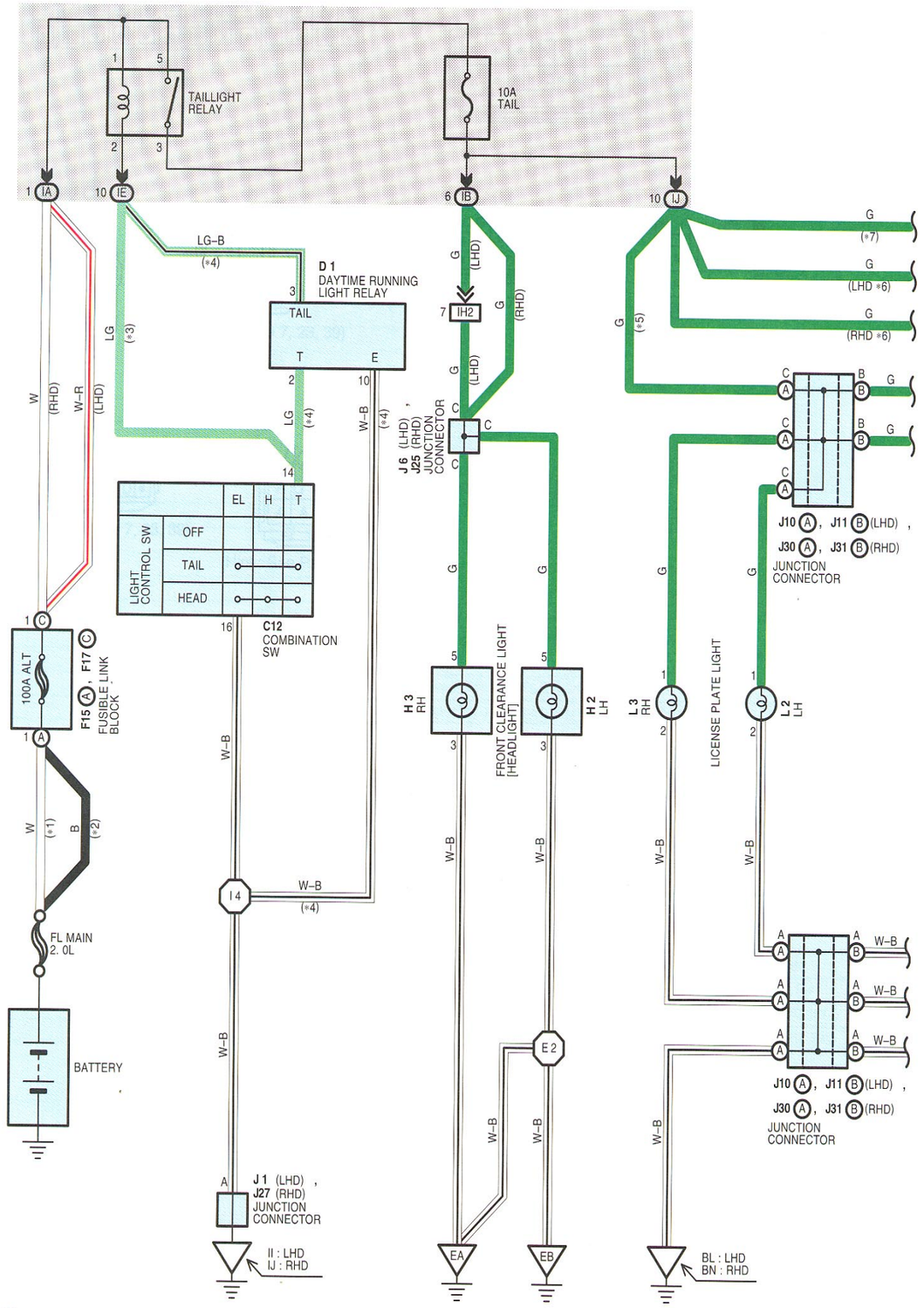


(Hint : See Page 7, 23, 39)

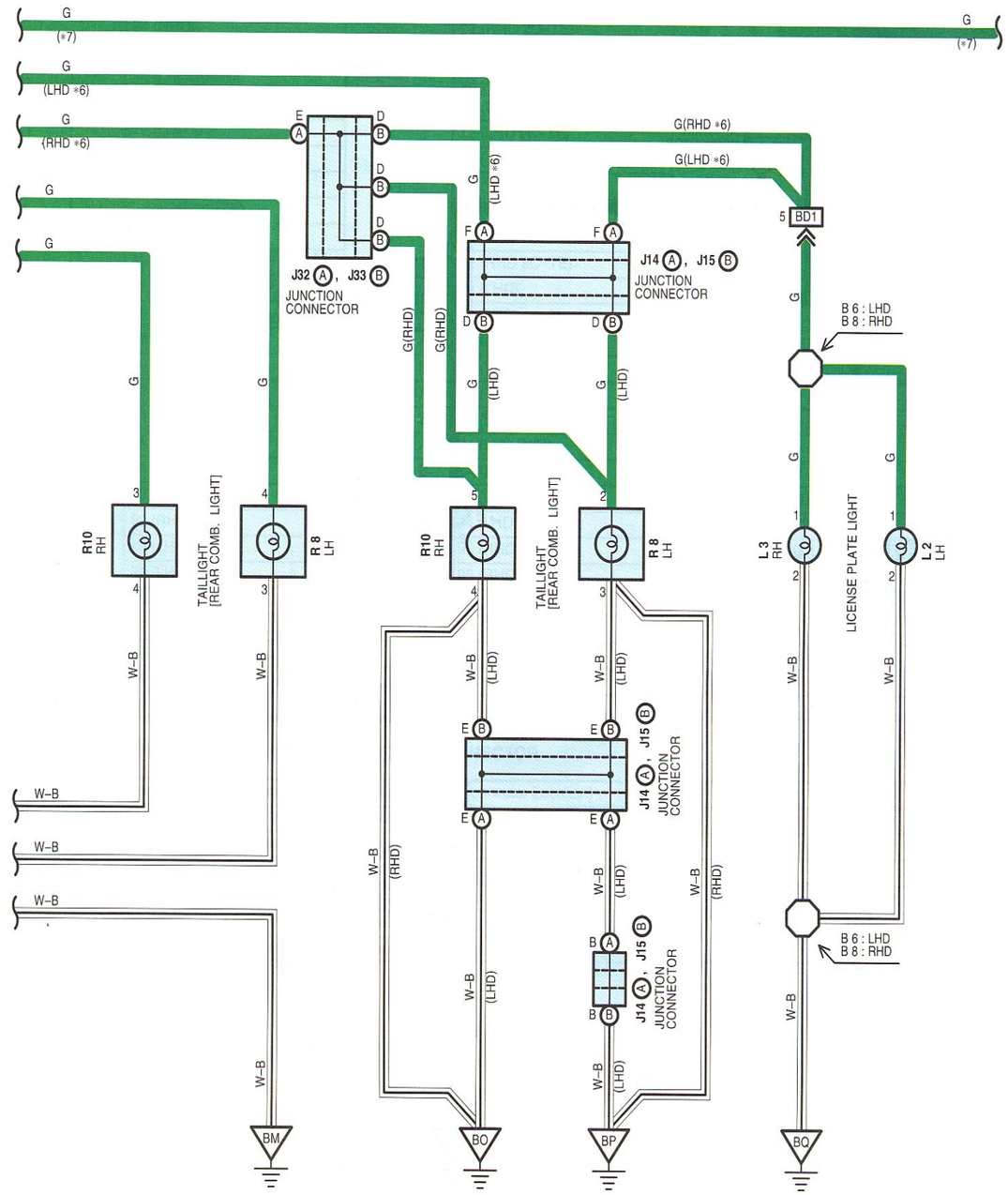
J27



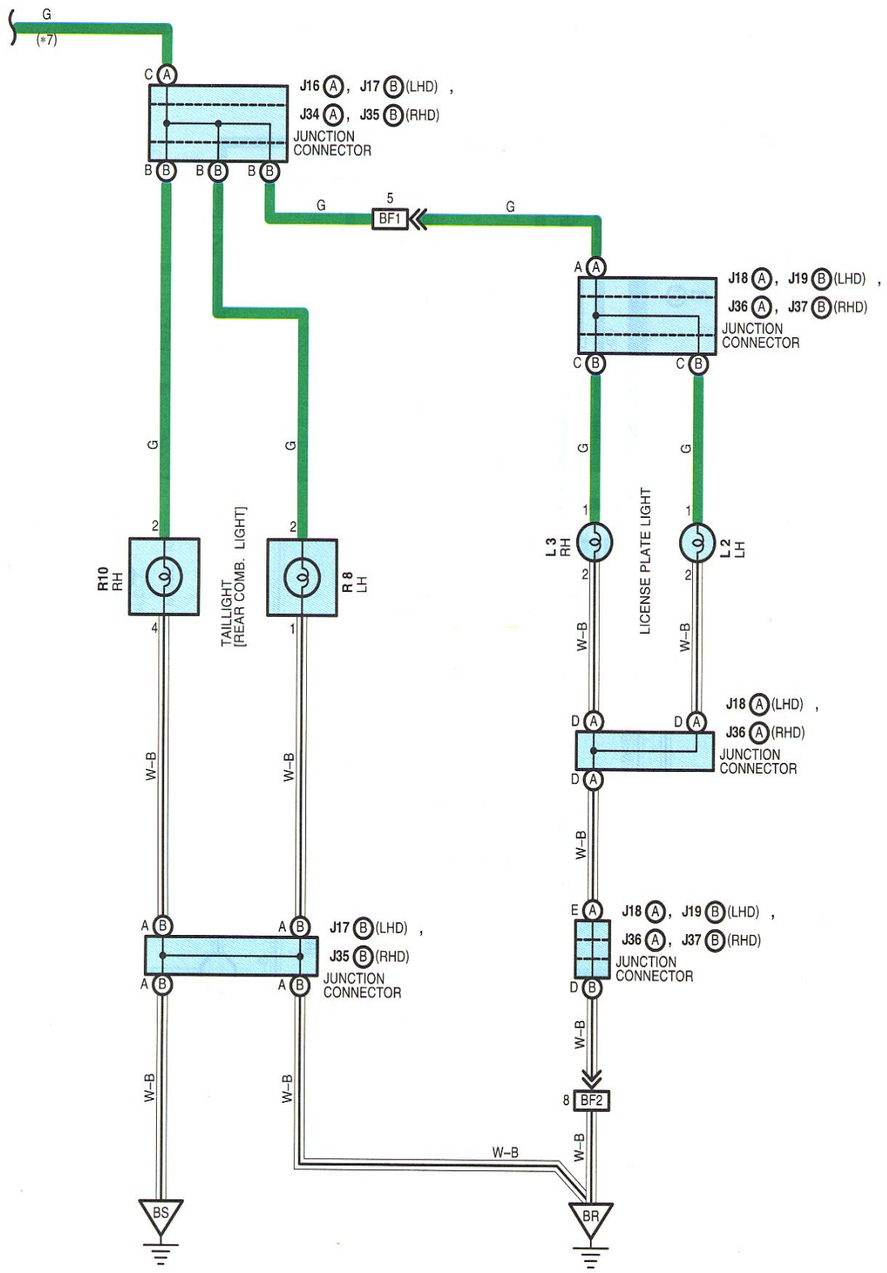
(Hint : See Page 7, 23, 39)



* 1 : GASOLINE
* 2 : DIESEL
* 3 : W/O DAYTIME RUNNING LIGHT
* 4 : W/ DAYTIME RUNNING LIGHT
* 5 : S/D
* 6 : L/B
* 7 : W/G



* 7 : W/G



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)			84 (LHD W/G)
		72 (LHD 2C-TE)			74 (LHD 2C-T)			98 (RHD S/D)
		74 (LHD 2C-T)			86 (RHD 3S-FE)			100 (RHD L/B)
		86 (RHD 3S-FE)			88 (RHD *A)			102 (RHD W/G)
		88 (RHD *A)			90 (RHD *B)	L3		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)			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)			102 (RHD W/G)
		72 (LHD 2C-TE)	J14	A	82 (LHD L/B)	R8		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)

: 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

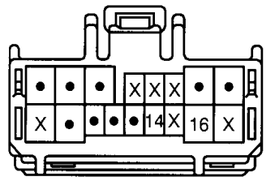
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
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

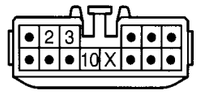
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

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)	

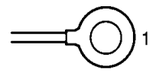
C12



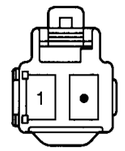
D1 BLUE



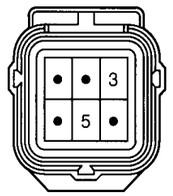
F15 (A)



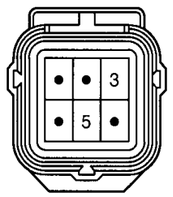
F17 (C) BLUE



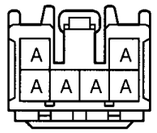
H2 BLACK



H3 BLACK

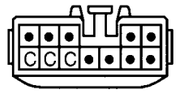


J1



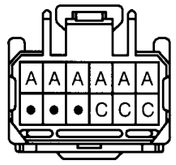
(Hint : See Page 7, 23, 39)

J6 BLACK



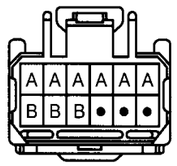
(Hint : See Page 7, 23, 39)

J10 (A) GRAY



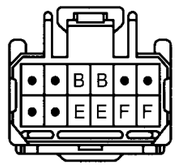
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



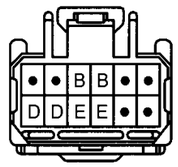
(Hint : See Page 7, 23, 39)

J14 (A)



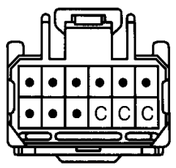
(Hint : See Page 7, 23, 39)

J15 (B)



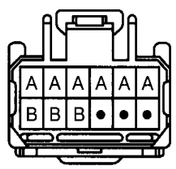
(Hint : See Page 7, 23, 39)

J16 (A) GRAY



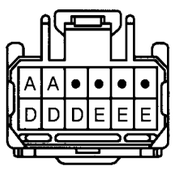
(Hint : See Page 7, 23, 39)

J17 (B) GRAY



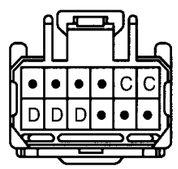
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



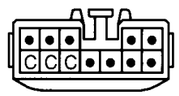
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



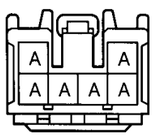
(Hint : See Page 7, 23, 39)

J25 BLACK



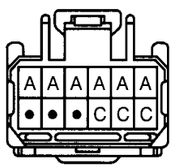
(Hint : See Page 7, 23, 39)

J27



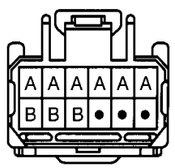
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



(Hint : See Page 7, 23, 39)

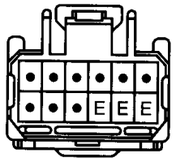
J31 (B) GARY



(Hint : See Page 7, 23, 39)

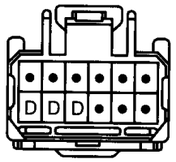
TAILLIGHT

J32 (A) BLACK



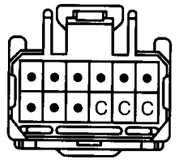
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



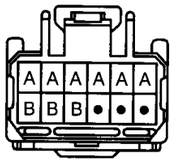
(Hint : See Page 7, 23, 39)

J34 (A) GRAY



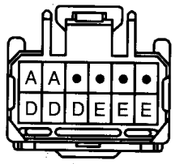
(Hint : See Page 7, 23, 39)

J35 (B) GRAY



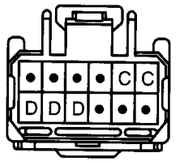
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



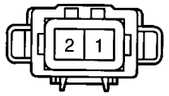
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

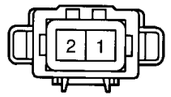


(Hint : See Page 7, 23, 39)

L2 BLACK



L3 BLACK



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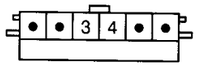
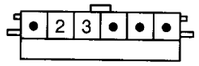
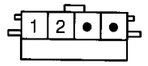


(L/B) R8 BLACK



(W/G) R8 BLACK



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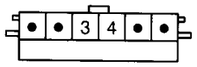
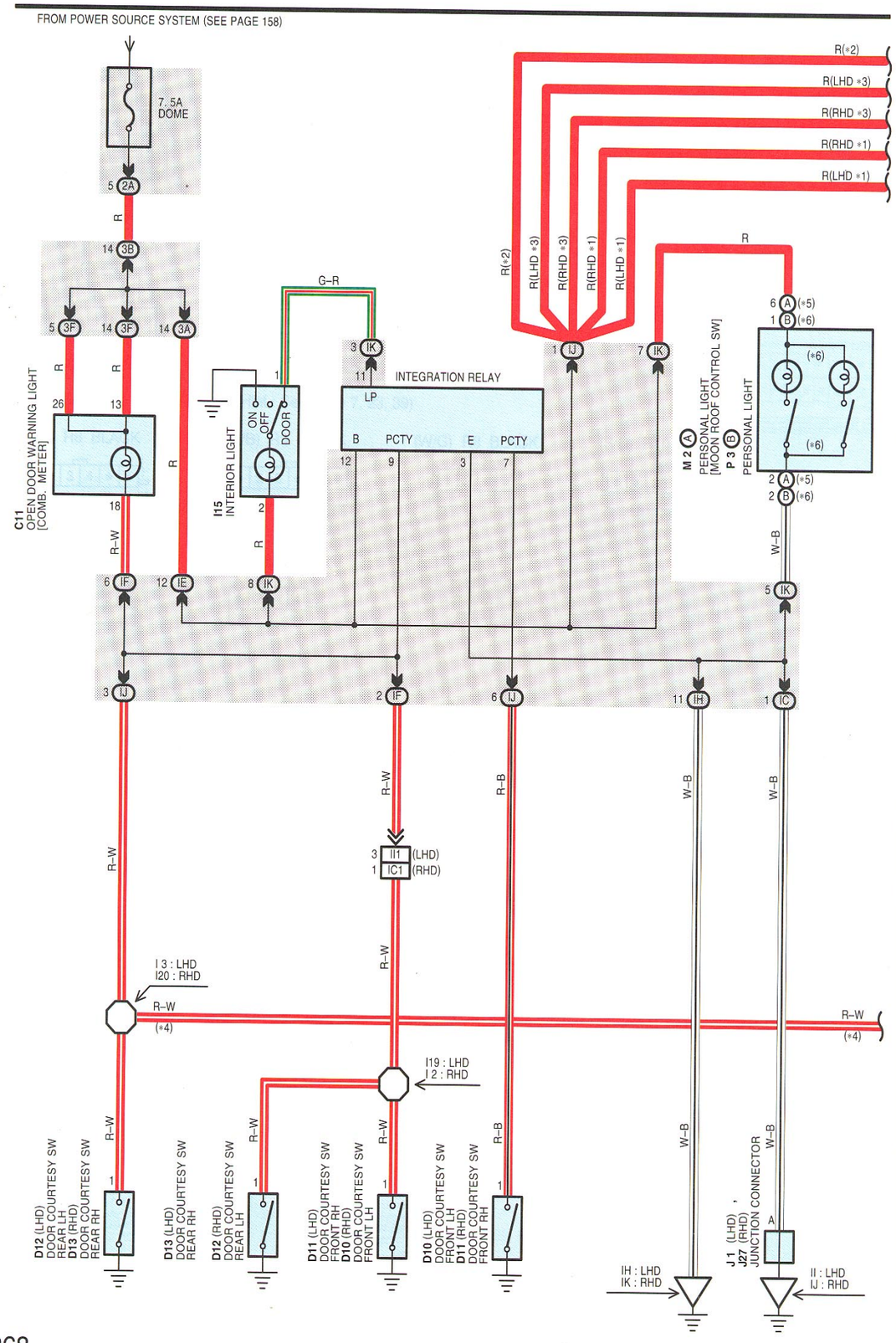
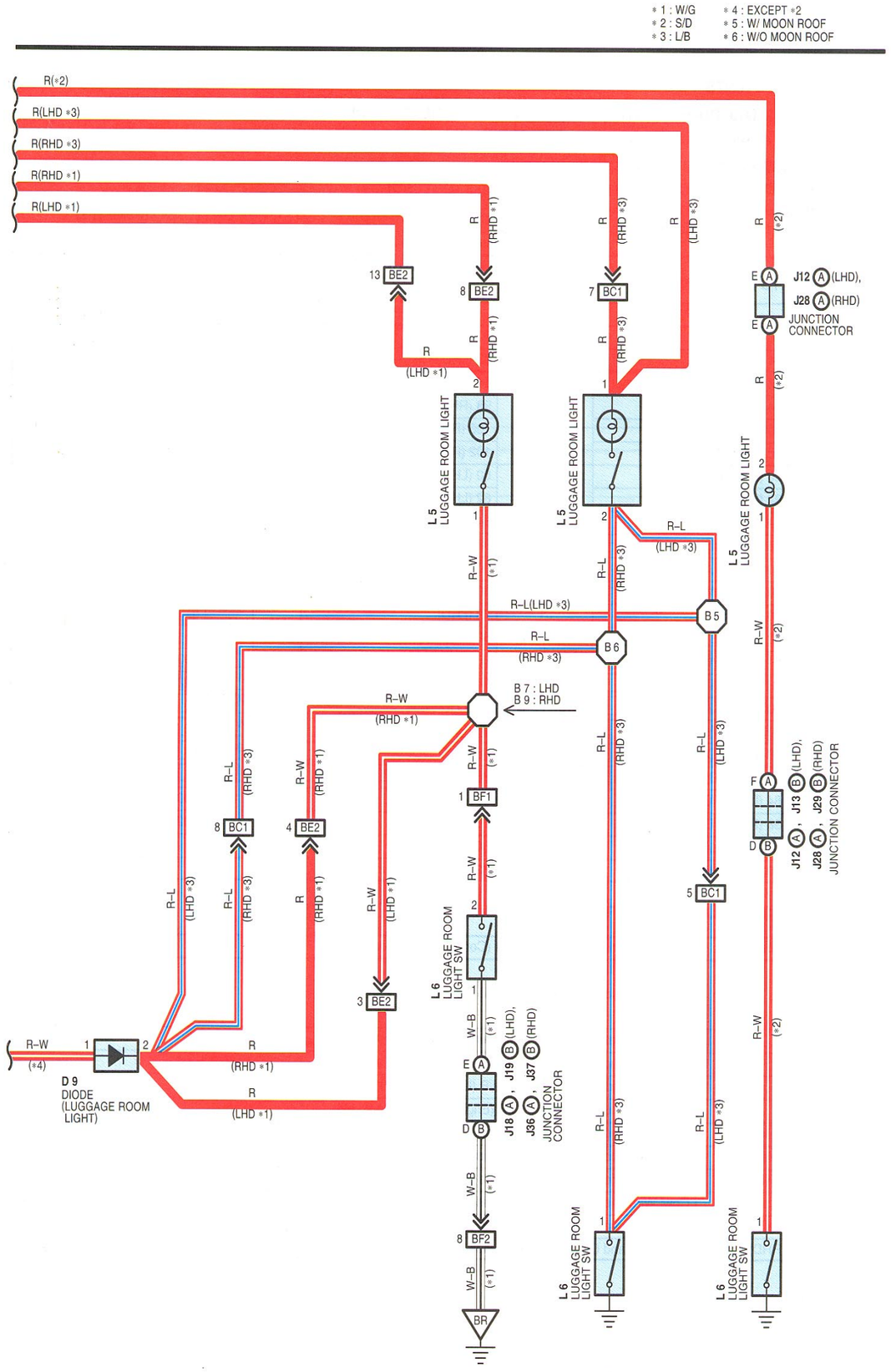


(L/B) R10 BLACK

(W/G) R10 BLACK

INTERIOR LIGHT





Внутренний свет

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 A	80 (LHD S/D)
	102 (RHD W/G)		102 (RHD W/G)		82 (LHD L/B)
D11	80 (LHD S/D)	J1	78 (LHD)		84 (LHD W/G)
	82 (LHD L/B)	J12 A	80 (LHD S/D)		98 (RHD S/D)
	84 (LHD W/G)	J13 B	80 (LHD S/D)		100 (RHD L/B)
	98 (RHD S/D)	J18 A	84 (LHD W/G)		102 (RHD W/G)
	100 (RHD L/B)	J19 B	84 (LHD W/G)	P3 B	80 (LHD S/D)
	102 (RHD W/G)	J27	96 (RHD)		82 (LHD L/B)
D12	80 (LHD S/D)	J28 A	98 (RHD S/D)		84 (LHD W/G)
	82 (LHD L/B)	J29 B	98 (RHD S/D)		98 (RHD S/D)
	84 (LHD W/G)	J36 A	102 (RHD W/G)		100 (RHD L/B)
	98 (RHD S/D)	J37 B	102 (RHD W/G)		102 (RHD W/G)
	100 (RHD L/B)	L5	80 (LHD S/D)		
	102 (RHD W/G)		82 (LHD L/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		
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 Qurter Pillar)
	138 (RHD L/B)	Floor Wire and Floor Wire (Under the Right Qurter Pillar)
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)
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

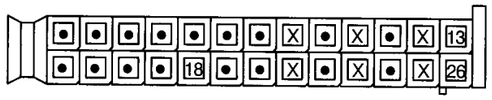
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		
BR	122 (LHD W/G)	Rear Quarter Panel LH
	140 (RHD W/G)	

⬡ : 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)	
	134 (RHD)	Engine Wire	B7	122 (LHD W/G)	Roof No.3 Wire
I19	116 (LHD)	Floor No.2 Wire	B9	140 (LHD W/G)	

INTERIOR LIGHT

C11 GREEN



D9 BLACK

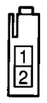
D10

D11

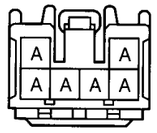
D12

D13

I15

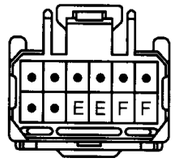


J1



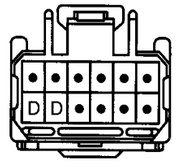
(Hint : See Page 7, 23, 39)

J12 (A)



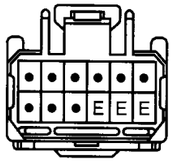
(Hint : See Page 7, 23, 39)

J13 (B)



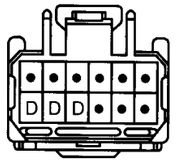
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



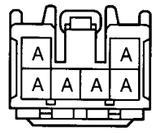
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



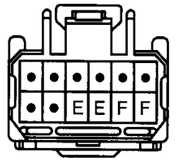
(Hint : See Page 7, 23, 39)

J27



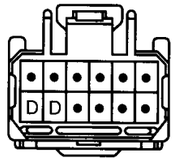
(Hint : See Page 7, 23, 39)

J28 (A)



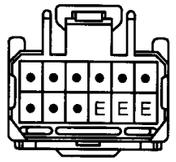
(Hint : See Page 7, 23, 39)

J29 (B)



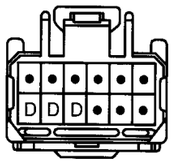
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



(Hint : See Page 7, 23, 39)

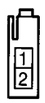
J37 (B) BLACK



(Hint : See Page 7, 23, 39)

(S/D) L5

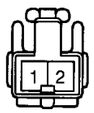
(L/B) L5



(W/G) L5

(S/D, L/B) L6 GRAY

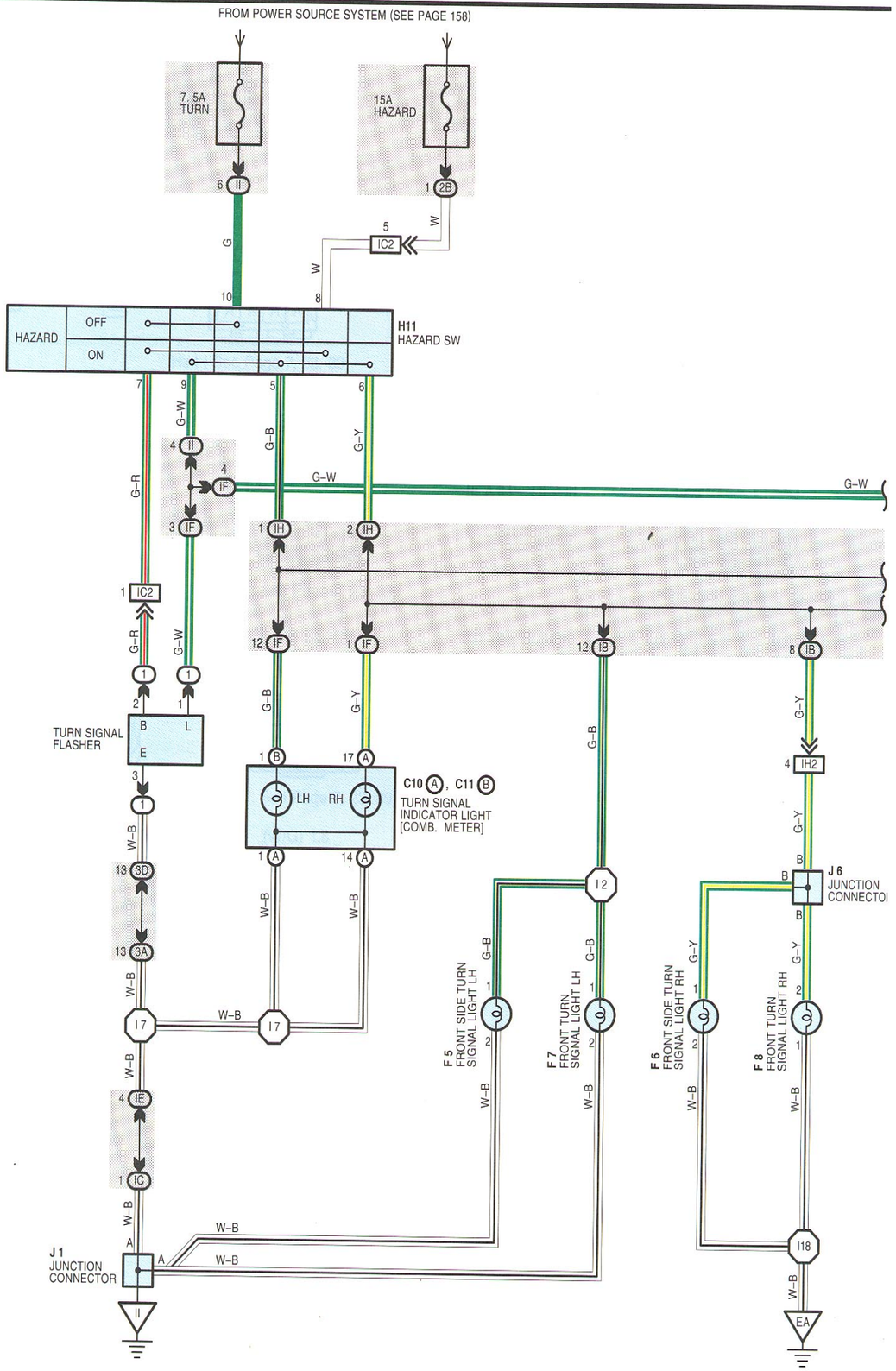
(W/G) L6

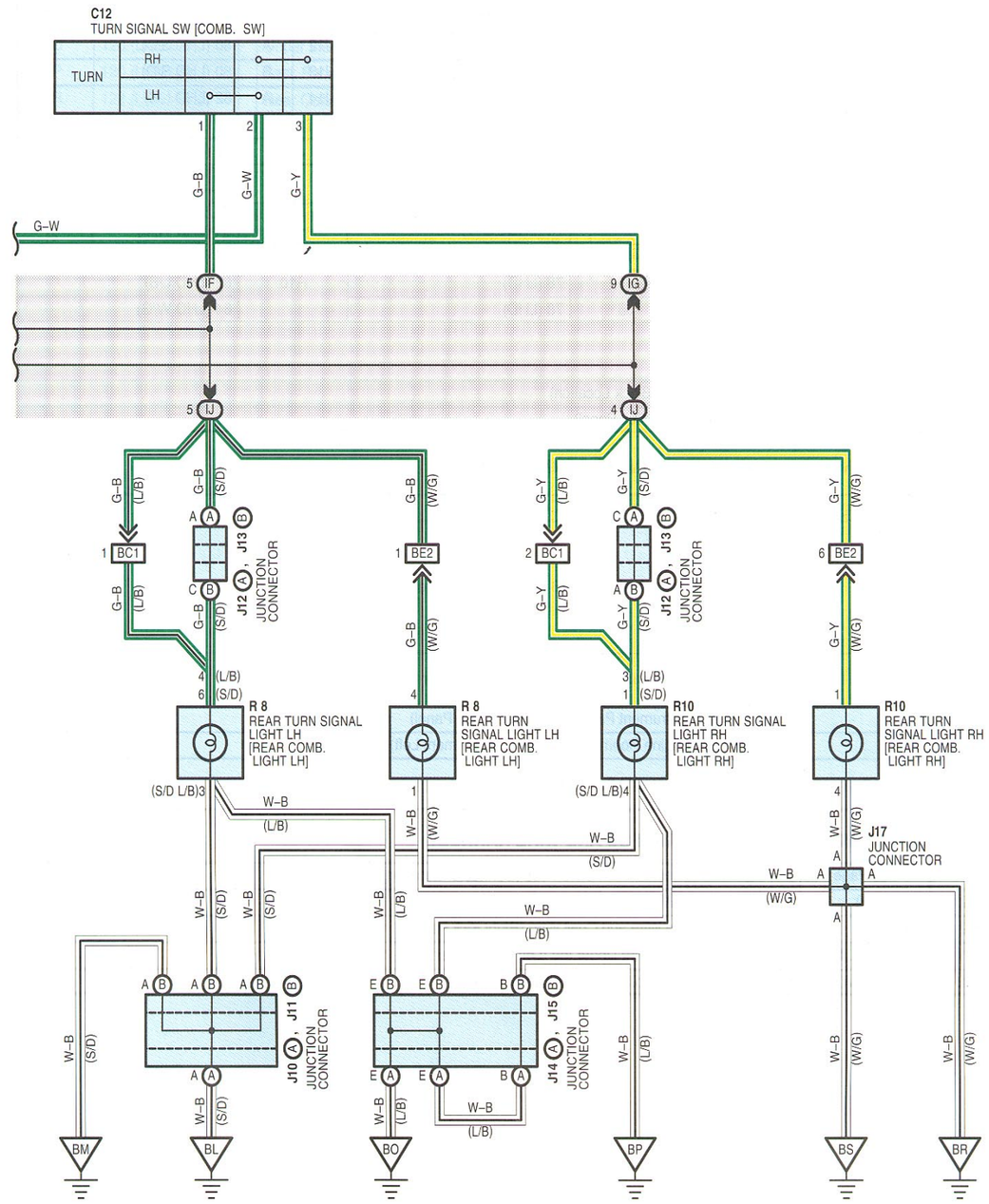


M2 (A)

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	59	
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 (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 Qurter Pillar)
BE2	122 (LHD W/G)	Floor Wire and Roof No.3 Wire (Left Qurter Panel)

: GROUND POINTS

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

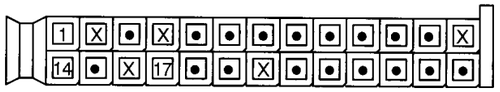
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
II	114 (LHD)	Left Kick Panel
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
BO	120 (LHD L/B)	Under the Left Quarter Pillar
BP	120 (LHD 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

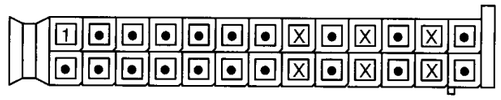
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	116 (LHD)	Cowl Wire	I18	116 (LHD)	Engine Room Main Wire
I7					

TURN SIGNAL AND HAZARD WARNING LIGHT (LHD)

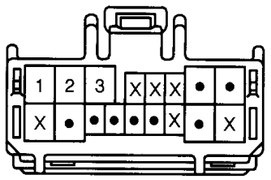
C10 (A) BLACK



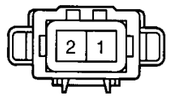
C11 (B) GREEN



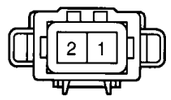
C12



F5 BLACK



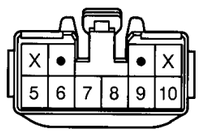
F6 BLACK



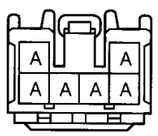
F7 BLACK

F8 BLACK

H11 BLACK

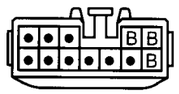


J1



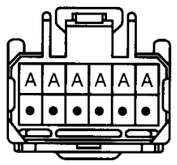
(Hint : See Page 7, 23, 39)

J6 BLACK



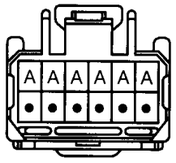
(Hint : See Page 7, 23, 39)

J10 (A) GRAY



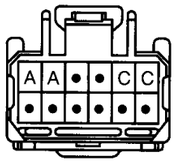
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



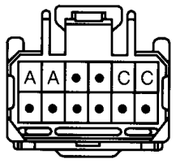
(Hint : See Page 7, 23, 39)

J12 (A)



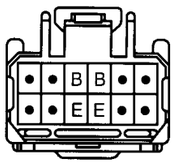
(Hint : See Page 7, 23, 39)

J13 (B)



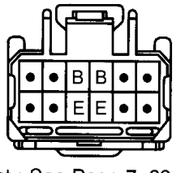
(Hint : See Page 7, 23, 39)

J14 (A)



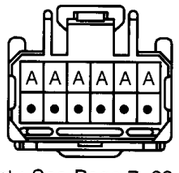
(Hint : See Page 7, 23, 39)

J15 (B)



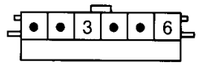
(Hint : See Page 7, 23, 39)

J17 GRAY



(Hint : See Page 7, 23, 39)

(S/D) R8 BLACK



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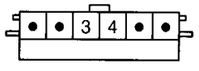

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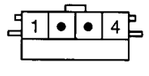

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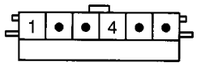

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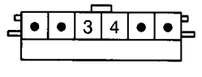

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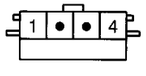
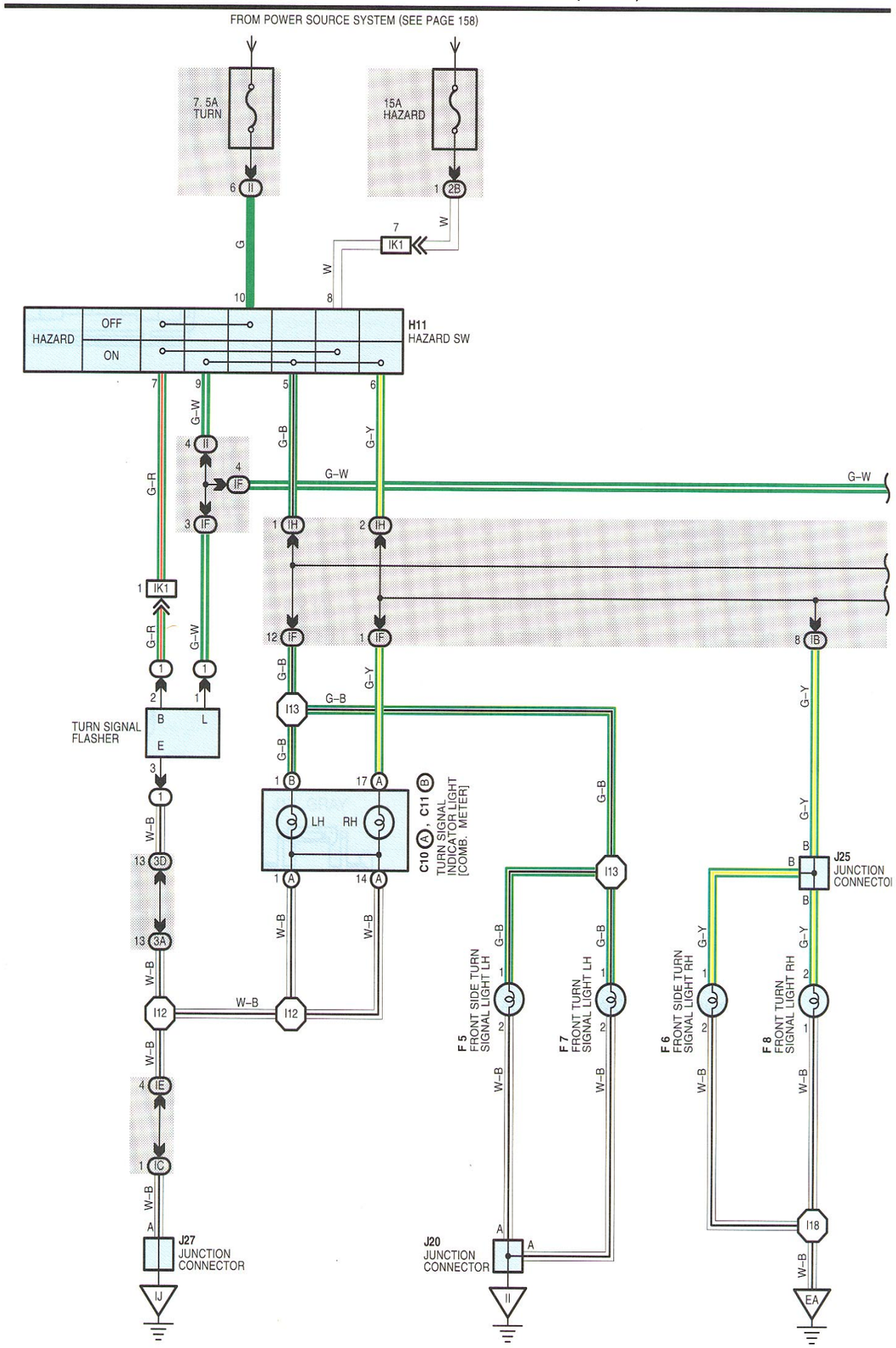
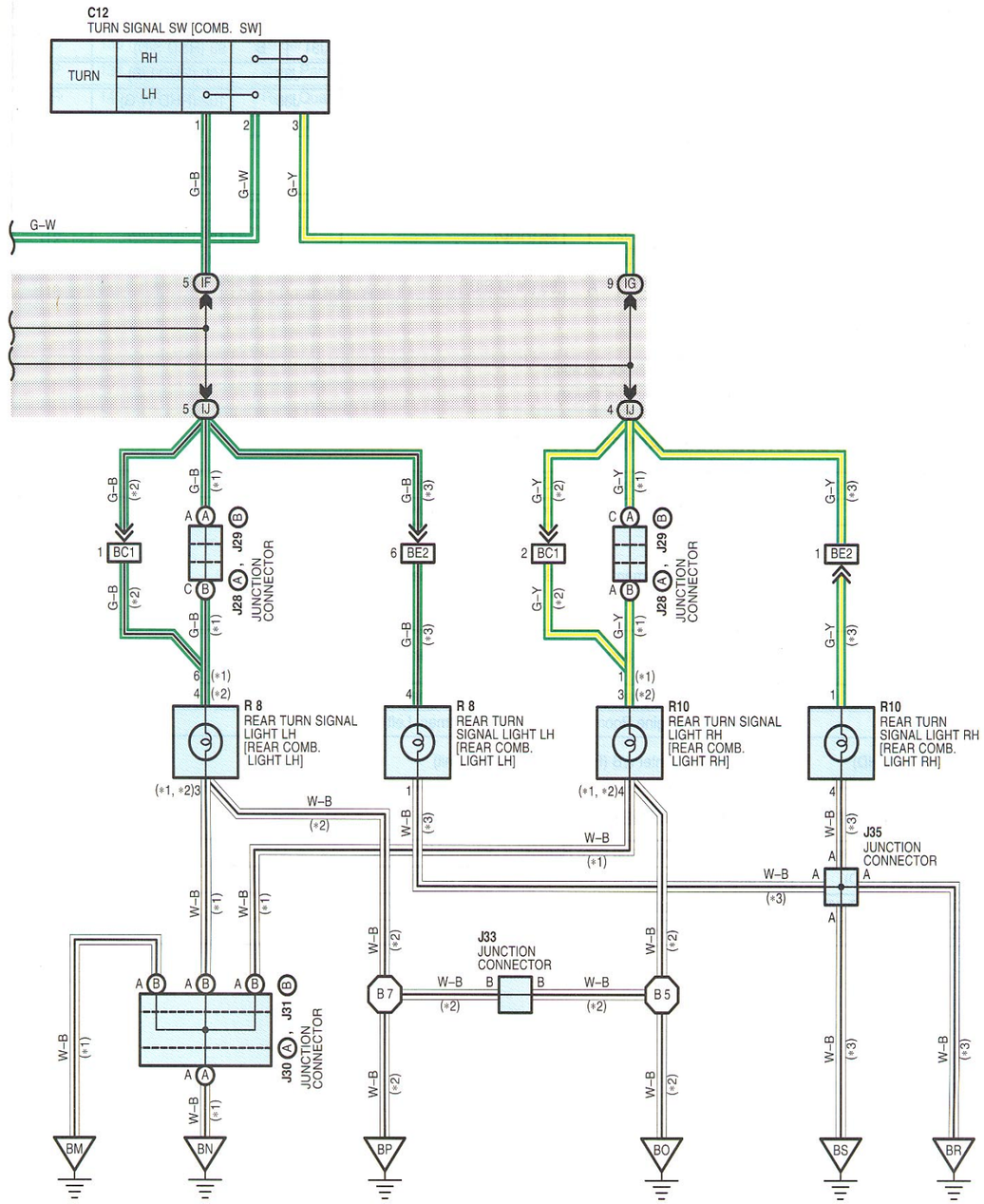


TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)





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)			102 (RHD W/G)
		88 (RHD *A)	J20		96 (RHD)	R10		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

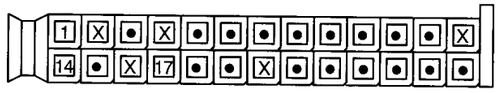
Code	See Page	Ground Points Location
EA	124 (RHD 3S-FE)	Under the Headlight RH
	126 (RHD *A)	
	128 (RHD *B)	
	130 (RHD 2C-TE)	
II	132 (RHD)	Left Kick Panel
IJ	132 (RHD)	Right Kick Panel
BM	136 (RHD S/D)	Back Panel Center
BN	136 (RHD S/D)	Right Quarter Pillar
BO	138 (RHD L/B)	Under the Left Quarter Pillar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

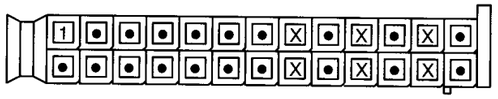
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I12	134 (RHD)	Cowl Wire	B5	138 (RHD L/B)	Floor Wire
I13			B7		
I18	134 (RHD)	Engine Room Main Wire			

TURN SIGNAL AND HAZARD WARNING LIGHT (RHD)

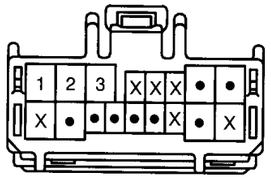
C10 (A) BLACK



C11 (B) GREEN



C12



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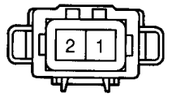

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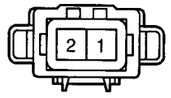
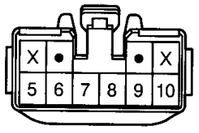


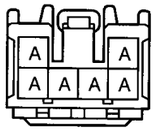
F7 BLACK

F8 BLACK

H11 BLACK

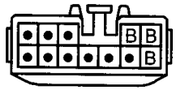


J20



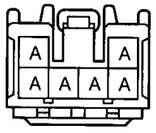
(Hint : See Page 7, 23, 39)

J25 BLACK



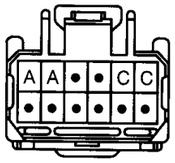
(Hint : See Page 7, 23, 39)

J27



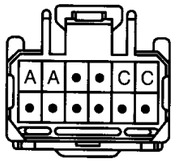
(Hint : See Page 7, 23, 39)

J28 (A)



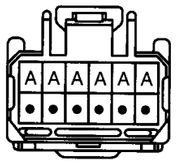
(Hint : See Page 7, 23, 39)

J29 (B)



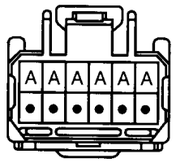
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



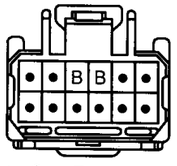
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



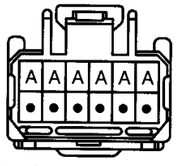
(Hint : See Page 7, 23, 39)

J33 BLACK



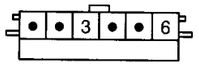
(Hint : See Page 7, 23, 39)

J35 GRAY

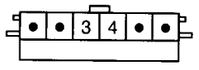


(Hint : See Page 7, 23, 39)

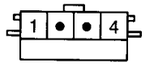
(S/D) R8 BLACK



(L/B) R8 BLACK



(W/G) R8 BLACK



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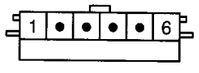

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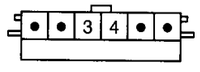

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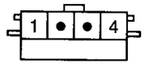
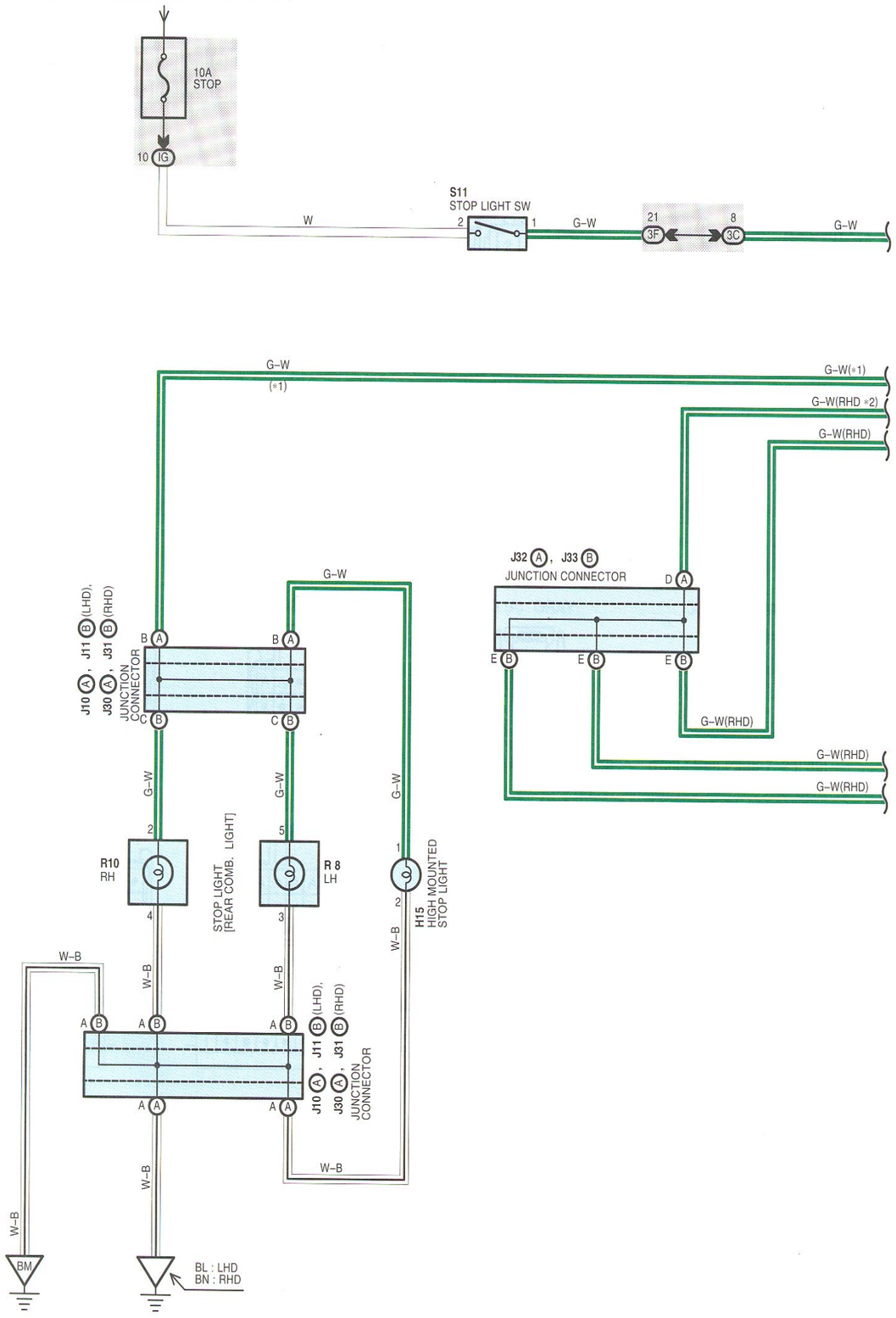
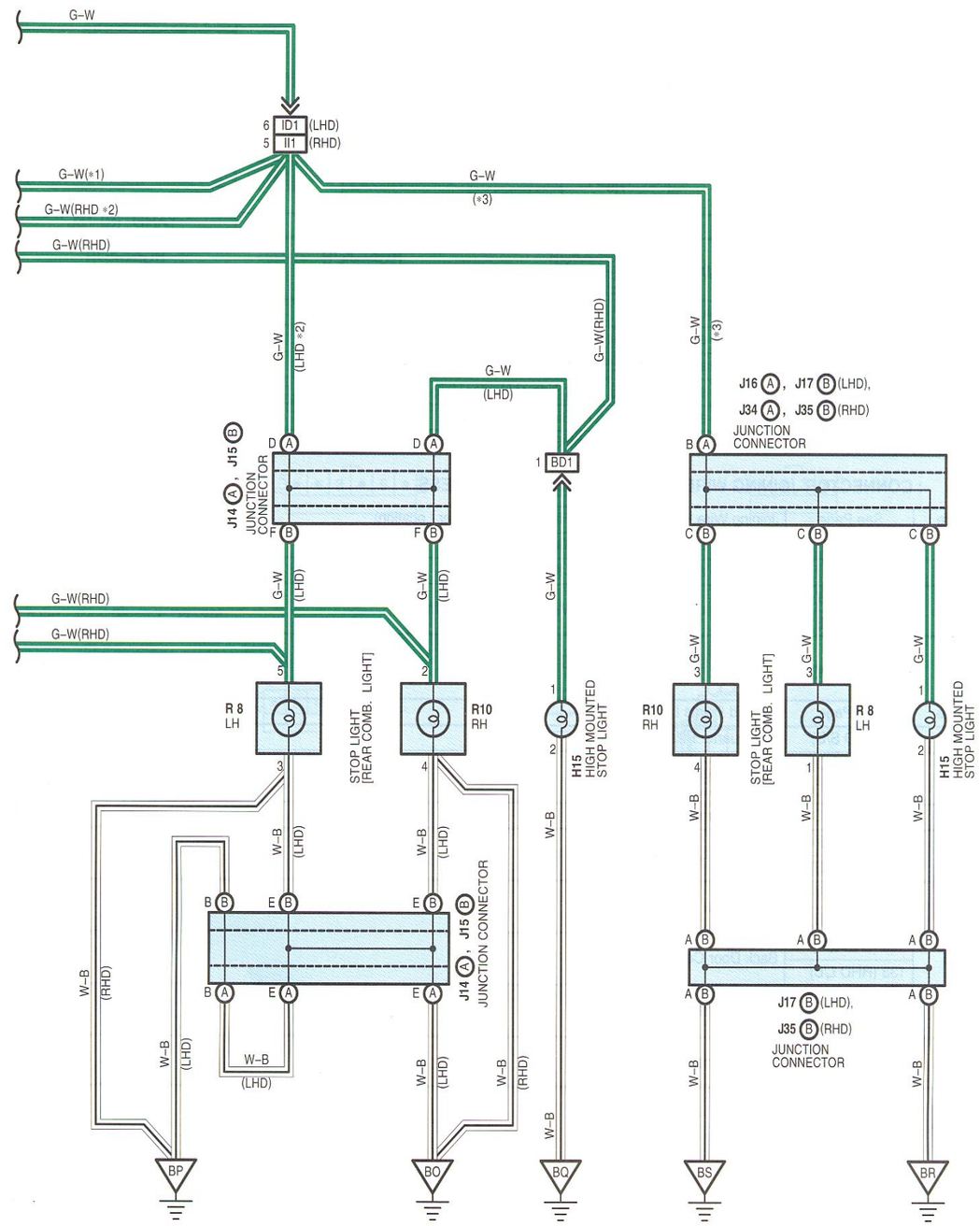


STOP LIGHT

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)	R10	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)		100 (RHD L/B)
J11	B	80 (LHD S/D)	R8		80 (LHD S/D)		102 (RHD W/G)
J14	A	82 (LHD L/B)			82 (LHD L/B)	S11	78 (LHD)
J15	B	82 (LHD L/B)			84 (LHD W/G)		96 (RHD)
J16	A	84 (LHD W/G)			98 (RHD S/D)		

: 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)

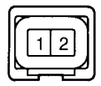
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)	

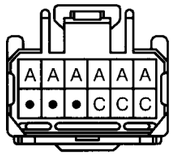
H15 GRAY



J10 (A) GRAY

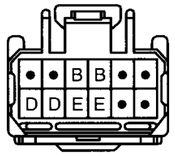
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



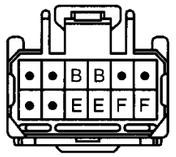
(Hint : See Page 7, 23, 39)

J14 (A)



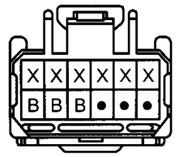
(Hint : See Page 7, 23, 39)

J15 (B)



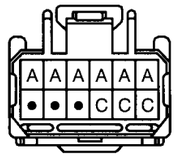
(Hint : See Page 7, 23, 39)

J16 (A) GRAY



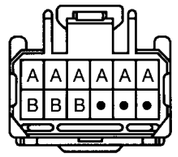
(Hint : See Page 7, 23, 39)

J17 (B) GRAY



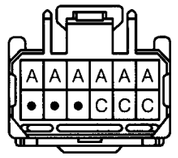
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



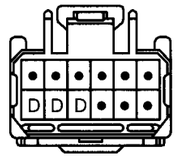
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



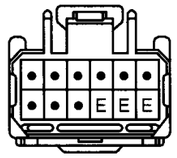
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



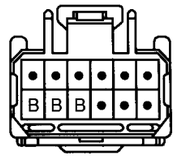
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



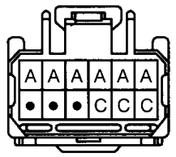
(Hint : See Page 7, 23, 39)

J34 (A) GRAY



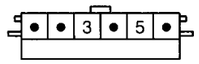
(Hint : See Page 7, 23, 39)

J35 (B) GRAY

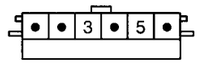


(Hint : See Page 7, 23, 39)

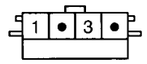
(S/D) R8 BLACK



(L/B) R8 BLACK



(W/G) R8 BLACK



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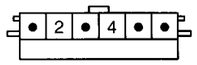
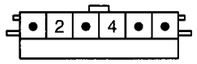
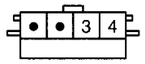


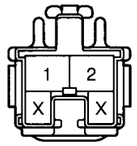
(L/B) R10 BLACK



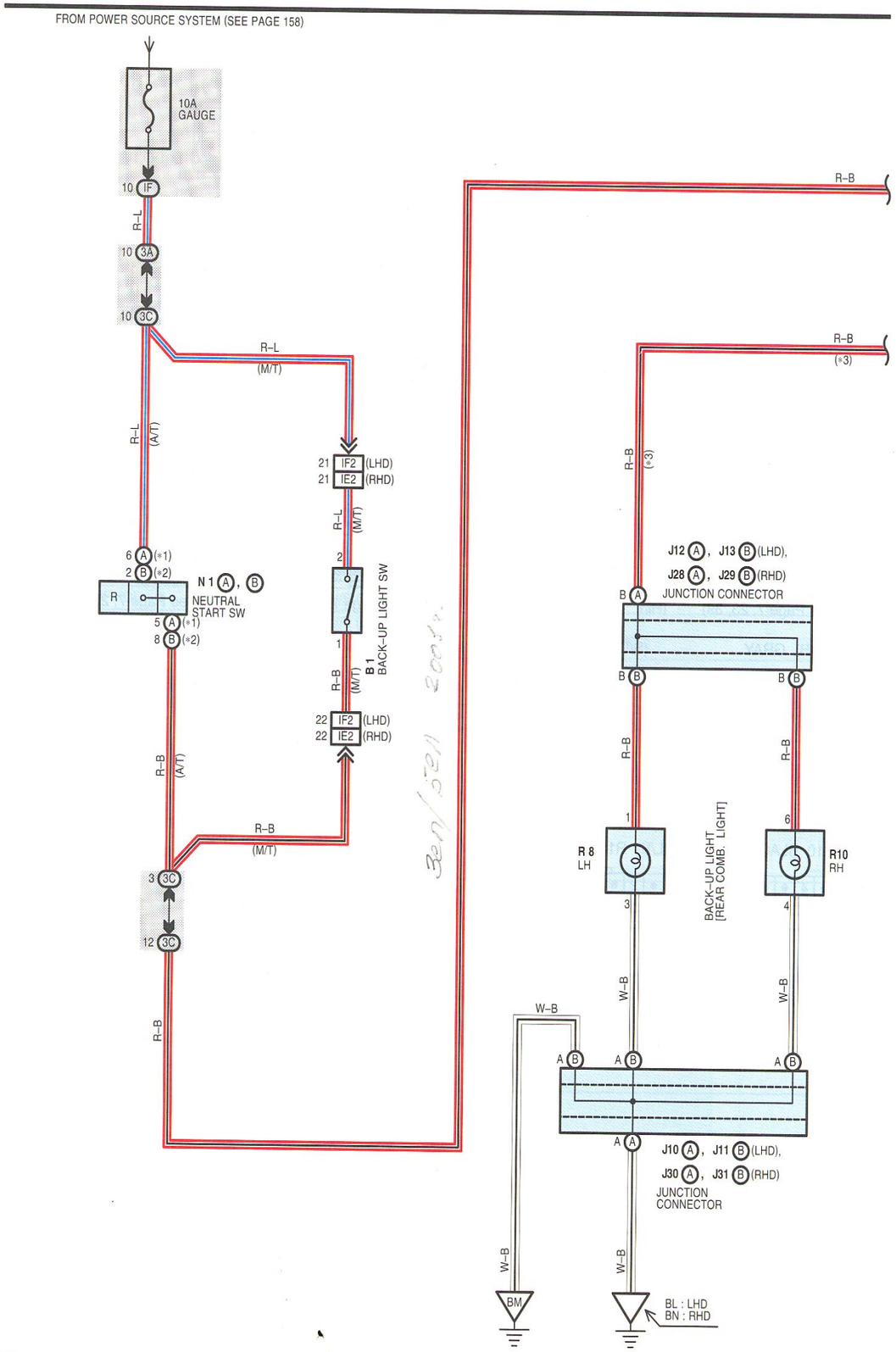
(W/G) R10 BLACK

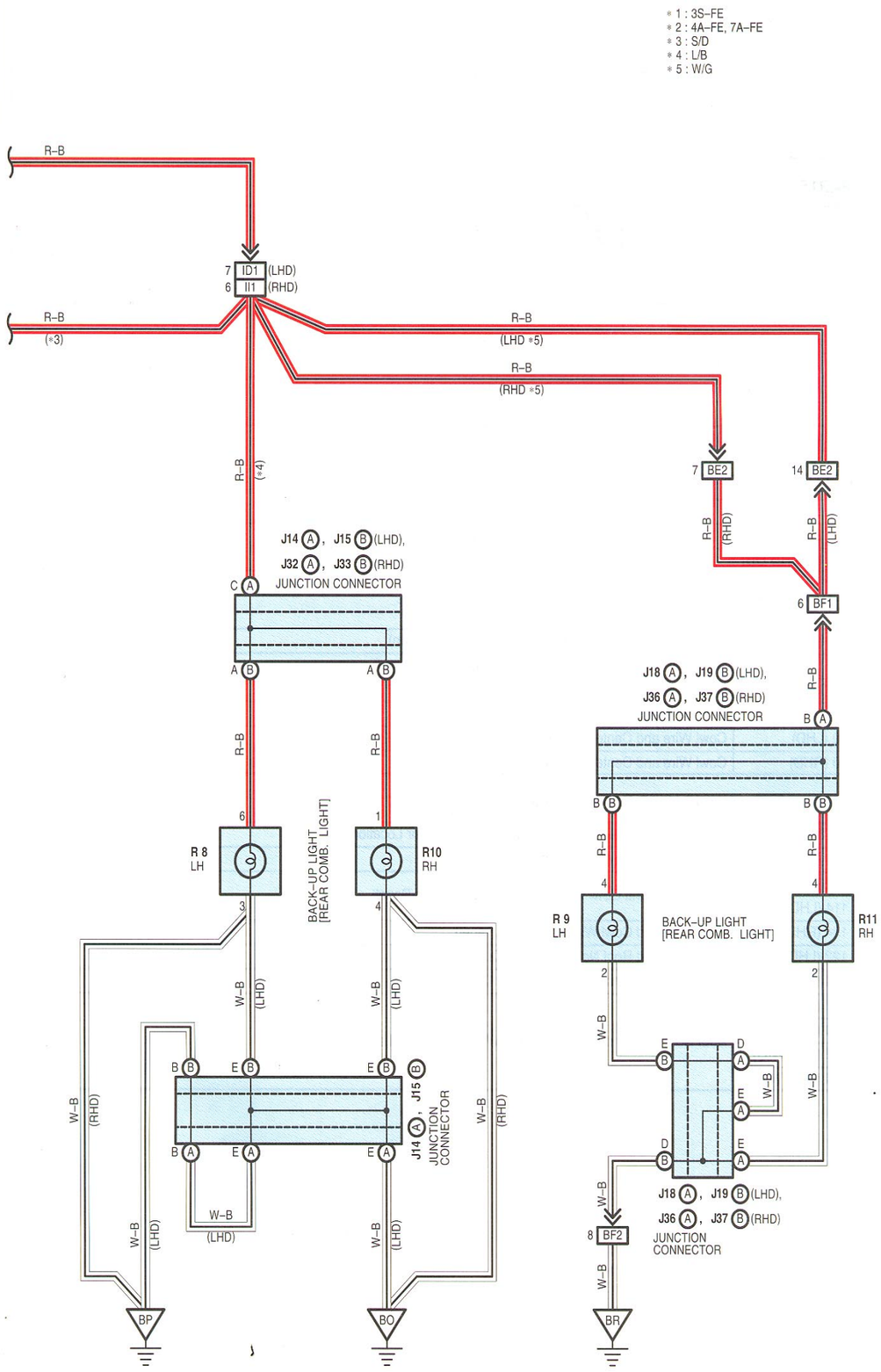


S11 BLACK



BACK-UP LIGHT





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 Qurter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Qurter 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

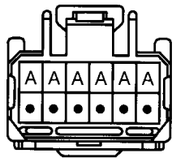
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

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

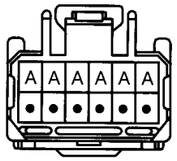
B1 GRAY

J10 (A) GRAY



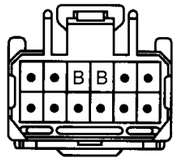
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



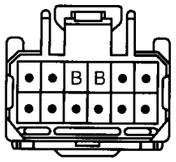
(Hint : See Page 7, 23, 39)

J12 (A)



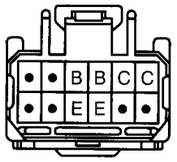
(Hint : See Page 7, 23, 39)

J13 (B)



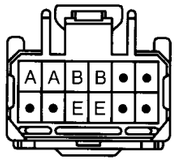
(Hint : See Page 7, 23, 39)

J14 (A)



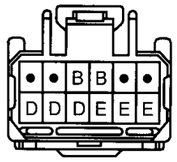
(Hint : See Page 7, 23, 39)

J15 (B)



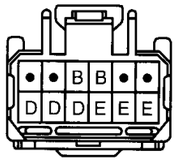
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



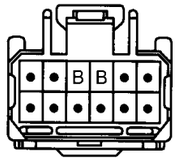
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



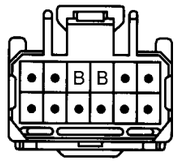
(Hint : See Page 7, 23, 39)

J28 (A)



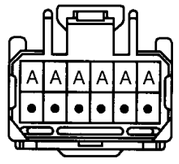
(Hint : See Page 7, 23, 39)

J29 (B)



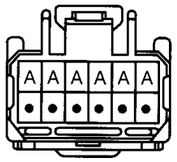
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



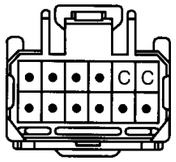
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



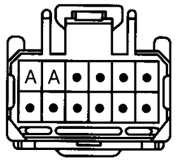
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



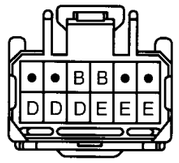
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



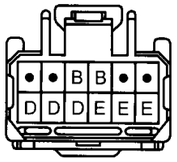
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



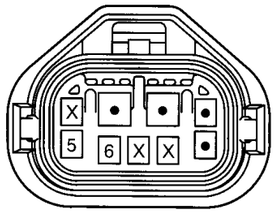
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

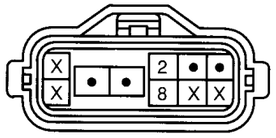


(Hint : See Page 7, 23, 39)

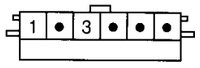
(3S-FE) N1 (A) GRAY



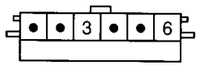
(4A-FE, 7A-FE) N1 (B) GRAY



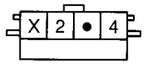
(S/D) R8 BLACK



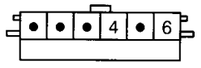
(L/B) R8 BLACK



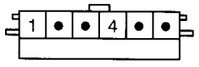
(W/G) R9 BLACK



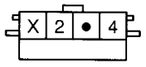
(S/D) R10 BLACK



(L/B) R10 BLACK

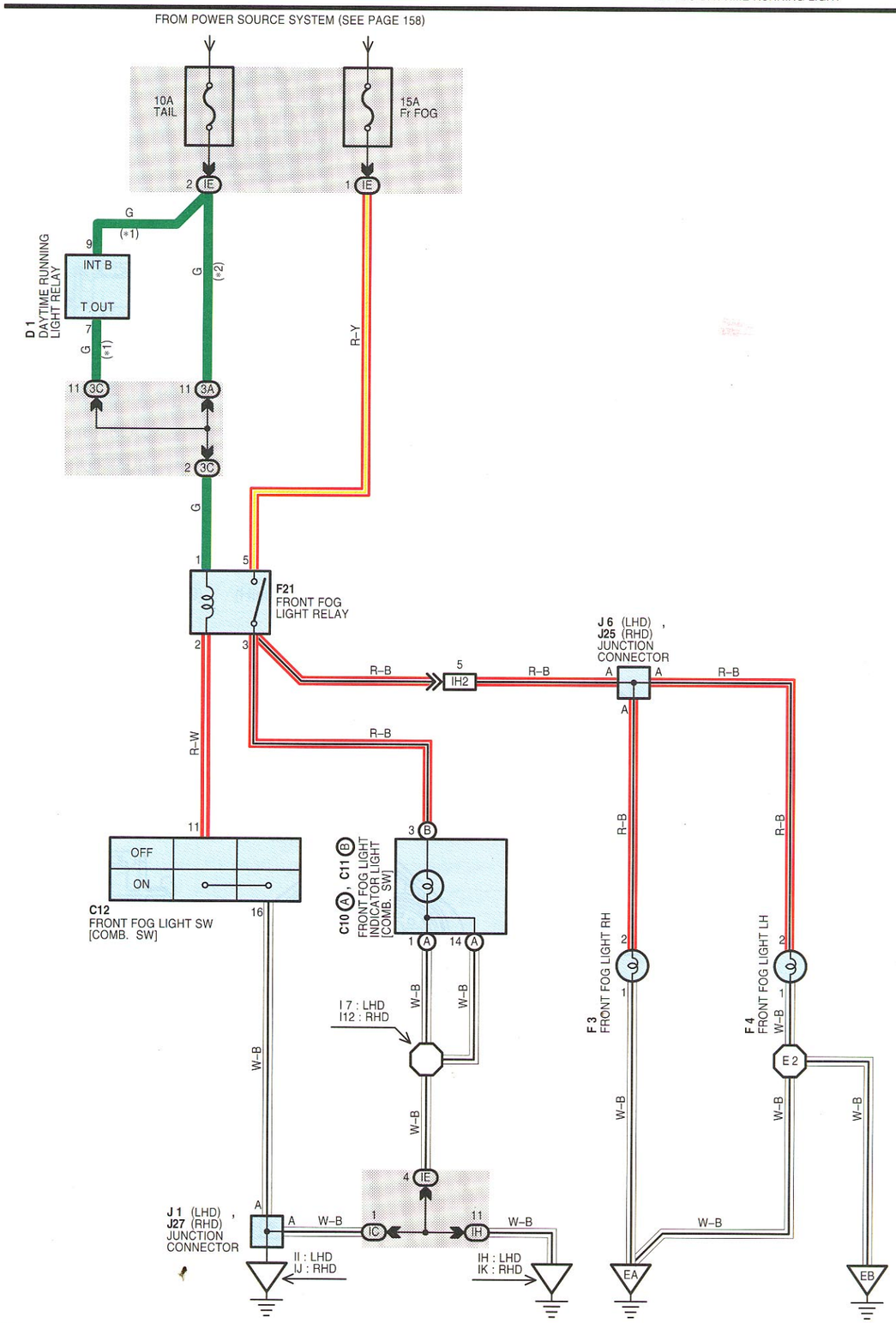


(W/G) R11 BLACK



FRONT FOG LIGHT

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



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)		92 (RHD 2C-TE)
		94 (RHD)		90 (RHD *B)	F21	78 (LHD)
C12		76 (LHD)		92 (RHD 2C-TE)		96 (RHD)
		94 (RHD)	F4	66 (LHD 3S-FE)	J1	78 (LHD)
D1		76 (LHD)		68 (LHD *A)	J6	78 (LHD)
F3		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**

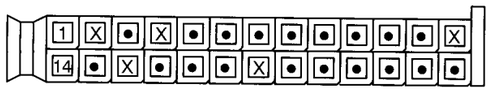
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

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

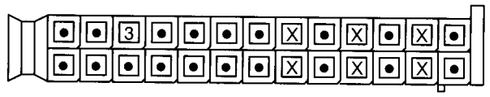
○ : **SPLICE POINTS**

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

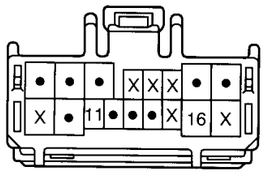
C10 (A) BLACK



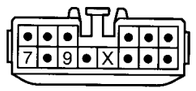
C11 (B) GREEN



C12



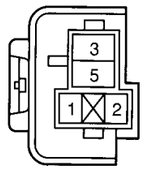
D1 BLUE



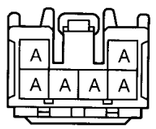
F3 BLACK

F4 BLACK

F21

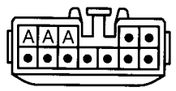


J1



(Hint : See Page 7, 23, 39)

J6 BLACK

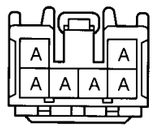


(Hint : See Page 7, 23, 39)

J25 BLACK

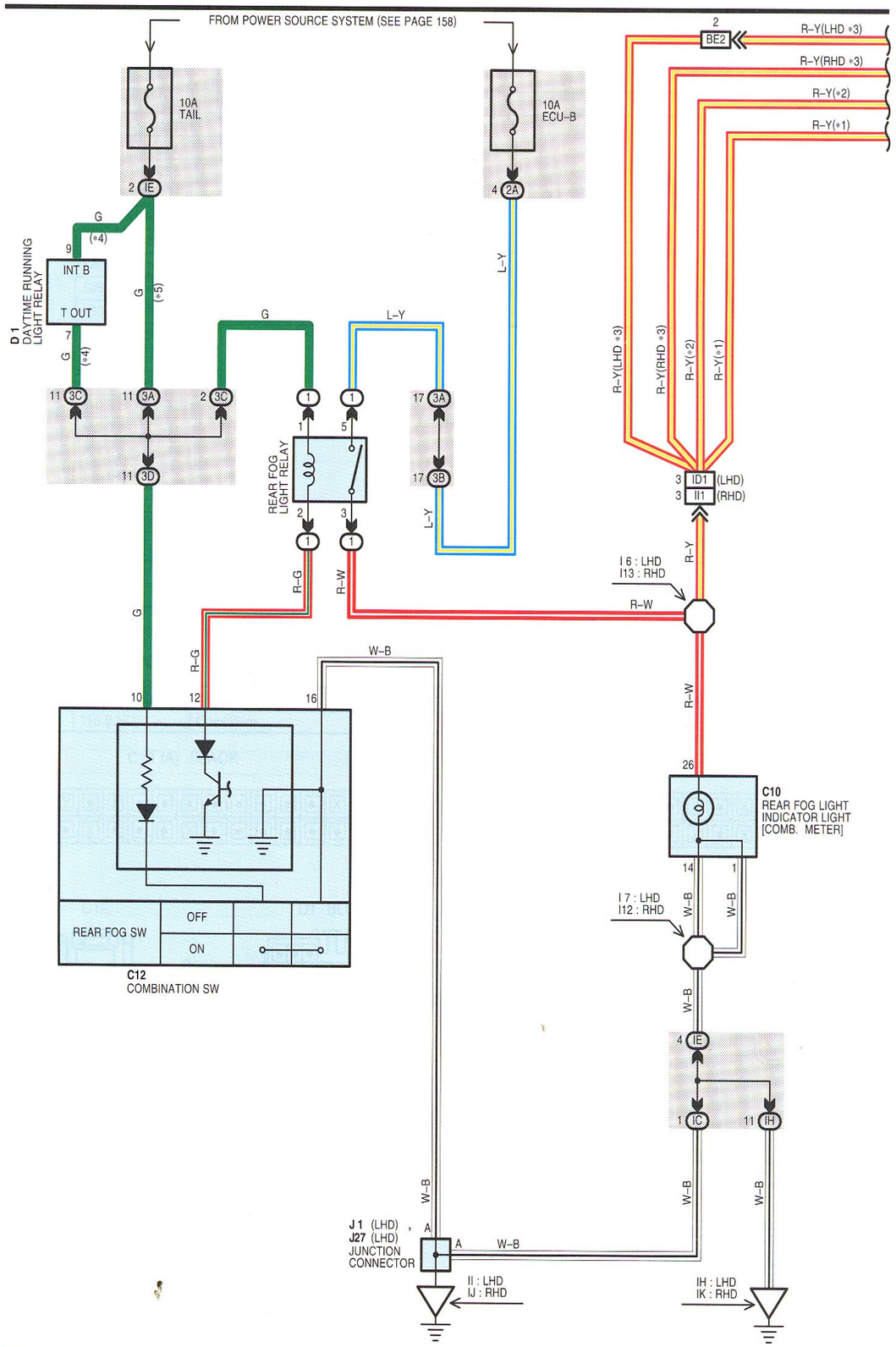
(Hint : See Page 7, 23, 39)

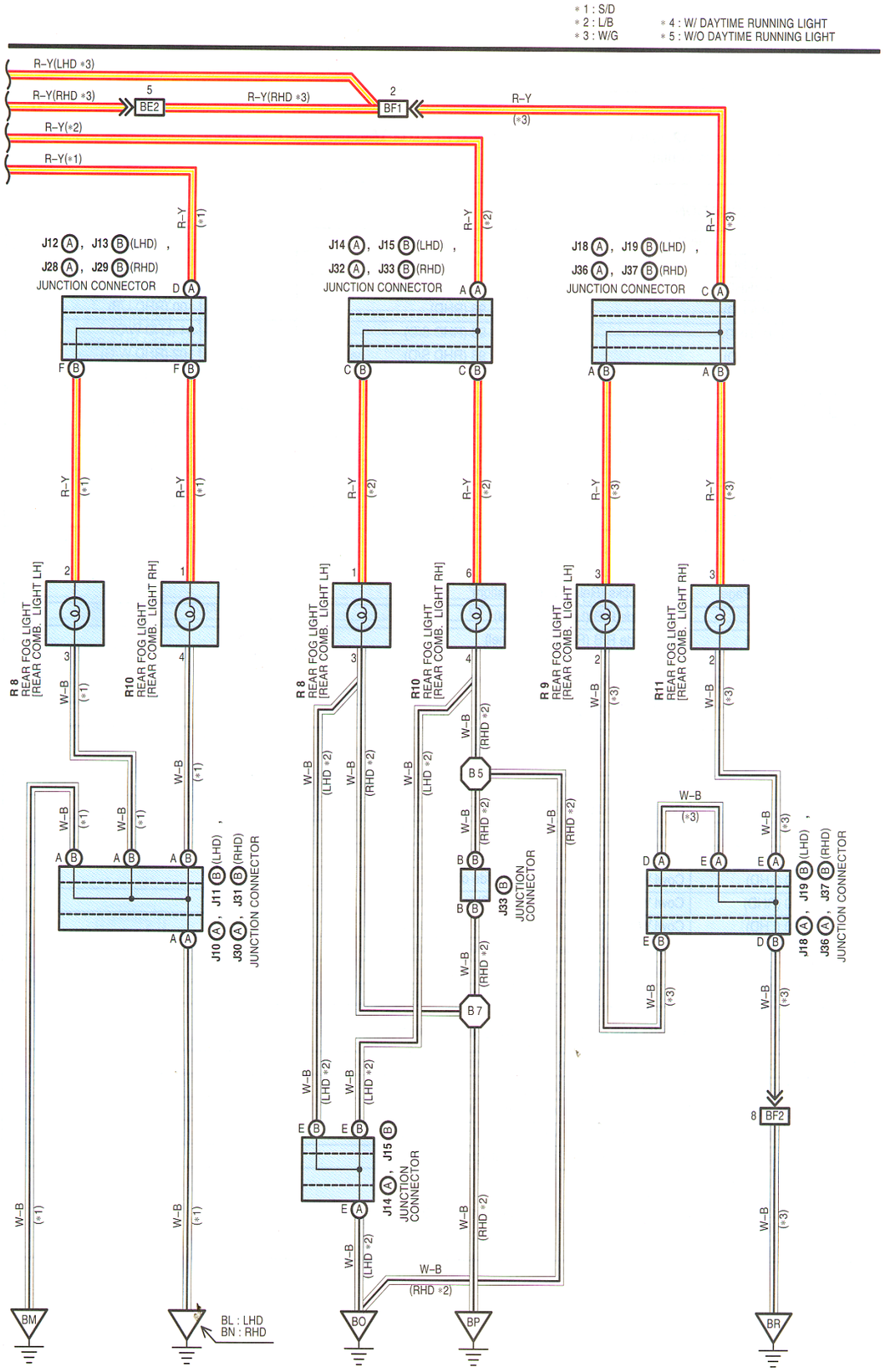
J27



(Hint : See Page 7, 23, 39)

REAR FOG LIGHT





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 Qurter Panel)
	140 (RHD W/G)	Roof No.3 Wire and Floor Wire (Right Qurter 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

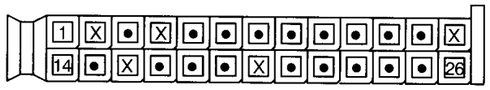
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		
BL	118 (LHD S/D)	Left Quarter Pillar
BM	118 (LHD S/D)	Back Panel Center
	136 (RHD S/D)	
BN	136 (RHD S/D)	Right Quarter Pillar
BO	120 (LHD L/B)	Under the Left Quarter Pillar
	138 (RHD L/B)	
BP	120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

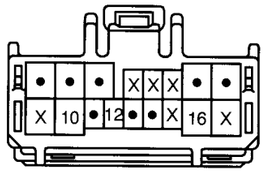
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I13	134 (RHD)	Cowl Wire
I7			B5	138 (RHD L/B)	Floor Wire
I12	134 (RHD)	Cowl Wire	B7		

REAR FOG LIGHT

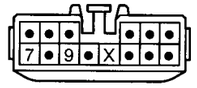
C10 BLACK



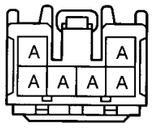
C12



D1 BLUE

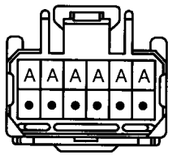


J1



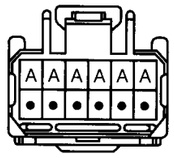
(Hint : See Page 7, 23, 39)

J10 (A) GRAY



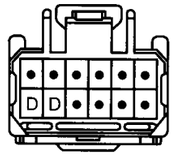
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



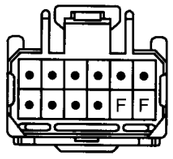
(Hint : See Page 7, 23, 39)

J12 (A)



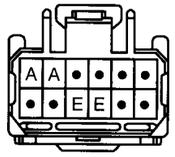
(Hint : See Page 7, 23, 39)

J13 (B)



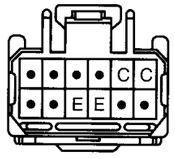
(Hint : See Page 7, 23, 39)

J14 (A)



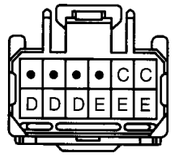
(Hint : See Page 7, 23, 39)

J15 (B)



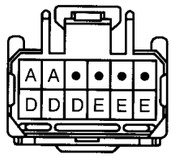
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



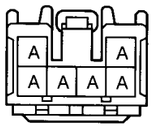
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



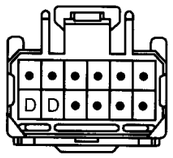
(Hint : See Page 7, 23, 39)

J27



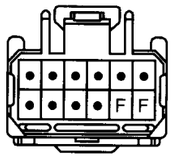
(Hint : See Page 7, 23, 39)

J28 (A)



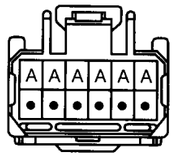
(Hint : See Page 7, 23, 39)

J29 (B)



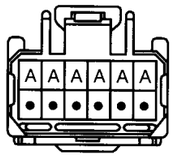
(Hint : See Page 7, 23, 39)

J30 (A) GRAY



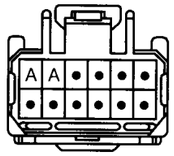
(Hint : See Page 7, 23, 39)

J31 (B) GRAY



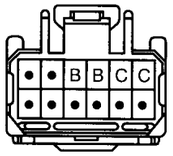
(Hint : See Page 7, 23, 39)

J32 (A) BLACK



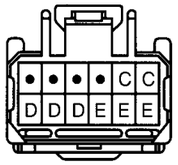
(Hint : See Page 7, 23, 39)

J33 (B) BLACK



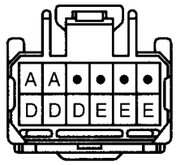
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



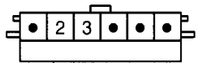
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

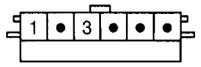


(Hint : See Page 7, 23, 39)

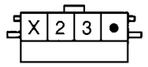
(S/D) R8 BLACK



(L/B) R8 BLACK



(W/G) R9 BLACK



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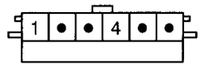
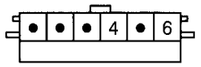
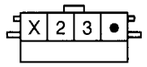
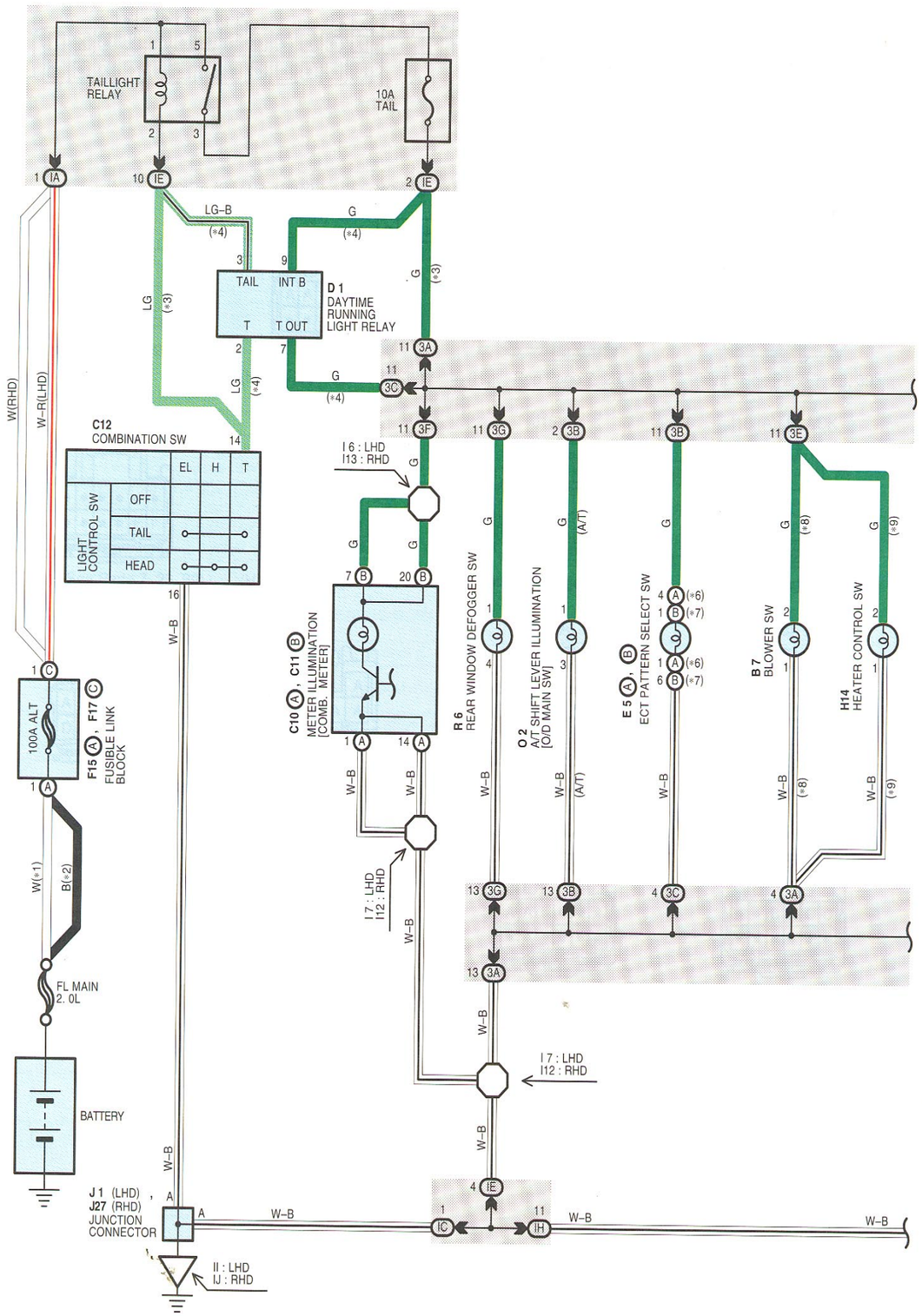


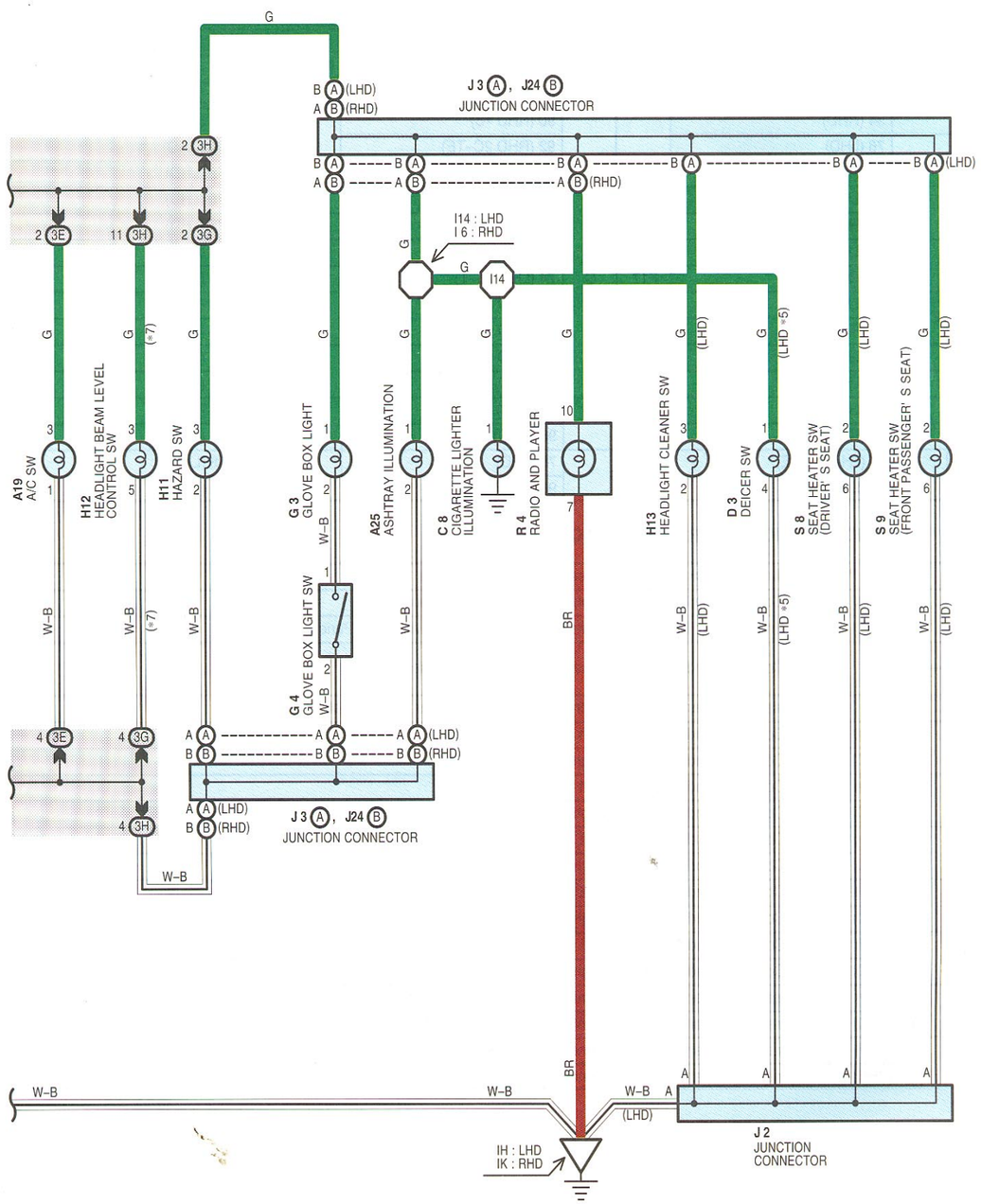
(L/B) R10 BLACK



(W/G) R11 BLACK







* 1 : GASOLINE
* 2 : DIESEL
* 3 : W/O DAYTIME RUNNING LIGHT
* 4 : W/ DAYTIME RUNNING LIGHT
* 5 : W/ FRONT WINDOW DEICER
* 6 : GENERAL
* 7 : EUROPE
* 8 : MANUAL A/C
* 9 : AUTO A/C

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
A19	76 (LHD)
	94 (RHD)
A25	76 (LHD)
	94 (RHD)
B7	76 (LHD)
	94 (RHD)
C8	76 (LHD)
	94 (RHD)
C10 A	76 (LHD)
	94 (RHD)
C11 B	76 (LHD)
	94 (RHD)
C12	76 (LHD)
	94 (RHD)
D1	76 (LHD)
D3	76 (LHD)
E5 A, B	76 (LHD)
	94 (RHD)
F15 A	66 (LHD 3S-FE)
	68 (LHD *A)

Code	See Page
F15 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)
F17 C	66 (LHD 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)
G3	78 (LHD)
	96 (RHD)
G4	78 (LHD)
	96 (RHD)

Code	See Page
H11	78 (LHD)
	96 (RHD)
H12	78 (LHD)
	96 (RHD)
H13	78 (LHD)
H14	78 (LHD)
	96 (RHD)
J1	78 (LHD)
J2	78 (LHD)
J3 A	78 (LHD)
J24 B	96 (RHD)
J27	96 (RHD)
O2	78 (LHD)
	96 (RHD)
R4	78 (LHD)
	96 (RHD)
R6	78 (LHD)
	96 (RHD)
S8	78 (LHD)
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

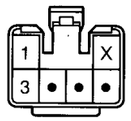
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

⬡ : SPLICE POINTS

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

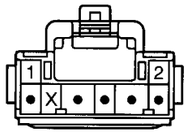
Code	See Page	Wire Harness with Splice Points
I12	134 (RHD)	Cowl Wire
I13		
I14	116 (LHD)	Instrument Panel Wire

A19 BLACK



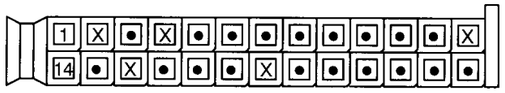
A25 BLACK

B7

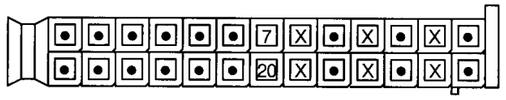


C8 BLACK

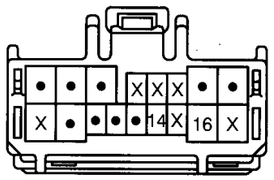
C10 (A) BLACK



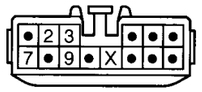
C11 (B) GREEN



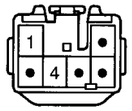
C12



D1 BLUE

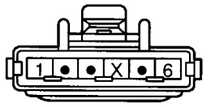


D3

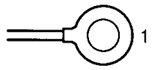


(General) E5 (A)

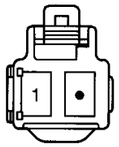
(Europe) E5 (B) BLACK



F15 (A)



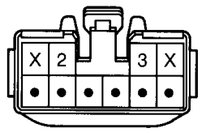
F17 (C) BLUE



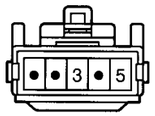
G3 BLACK

G4 BLACK

H11 BLACK



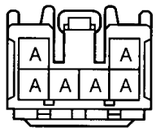
H12 GRAY



H13 BLACK

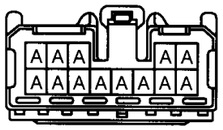
H14

J1



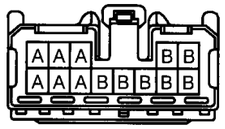
(Hint : See Page 7, 23, 39)

J2 ORANGE



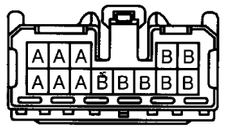
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



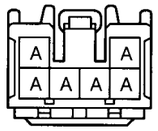
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



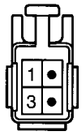
(Hint : See Page 7, 23, 39)

J27

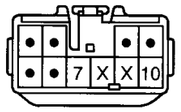


(Hint : See Page 7, 23, 39)

O2

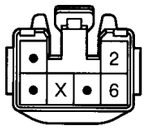


R4

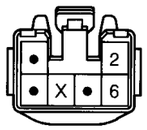


R6 DARK GRAY

S8 BLUE

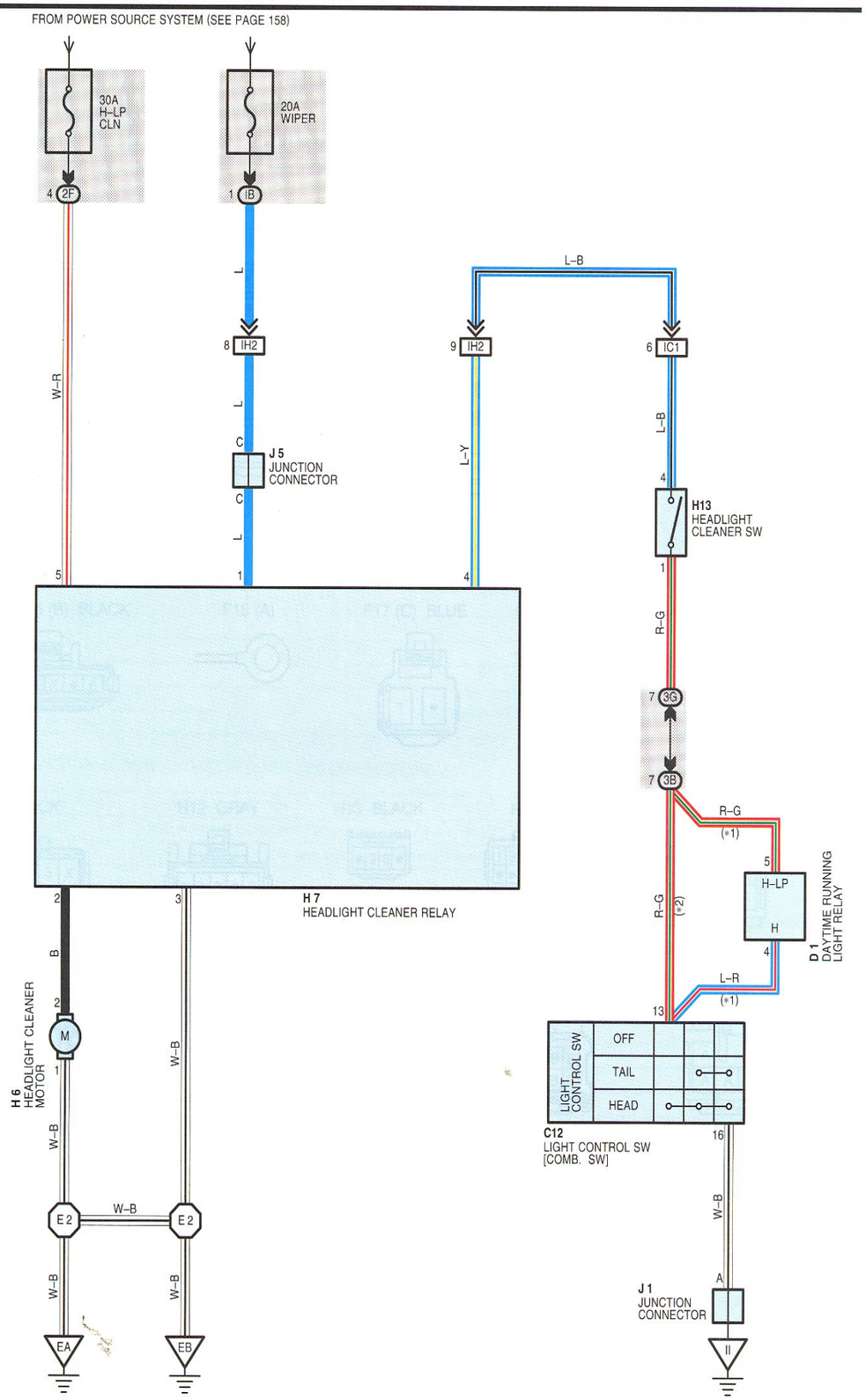


S9



HEADLIGHT CLEANER (LHD)

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



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)
IB	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

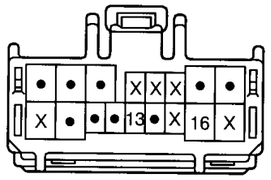
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	112 (LHD 2C-T)	
II	114 (LHD)	Left Kick Panel

: SPLICE POINTS

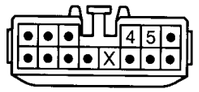
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	E2	110 (LHD 2C-TE)	Engine Room Main Wire
	106 (LHD *A)			112 (LHD 2C-T)	
	108 (LHD *B)				

HEADLIGHT CLEANER (LHD)

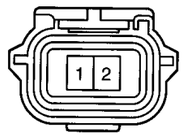
C12



D1 BLUE



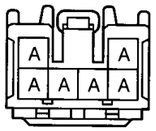
H6 BLACK



H7 BLACK

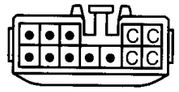
H13 BLACK

J1



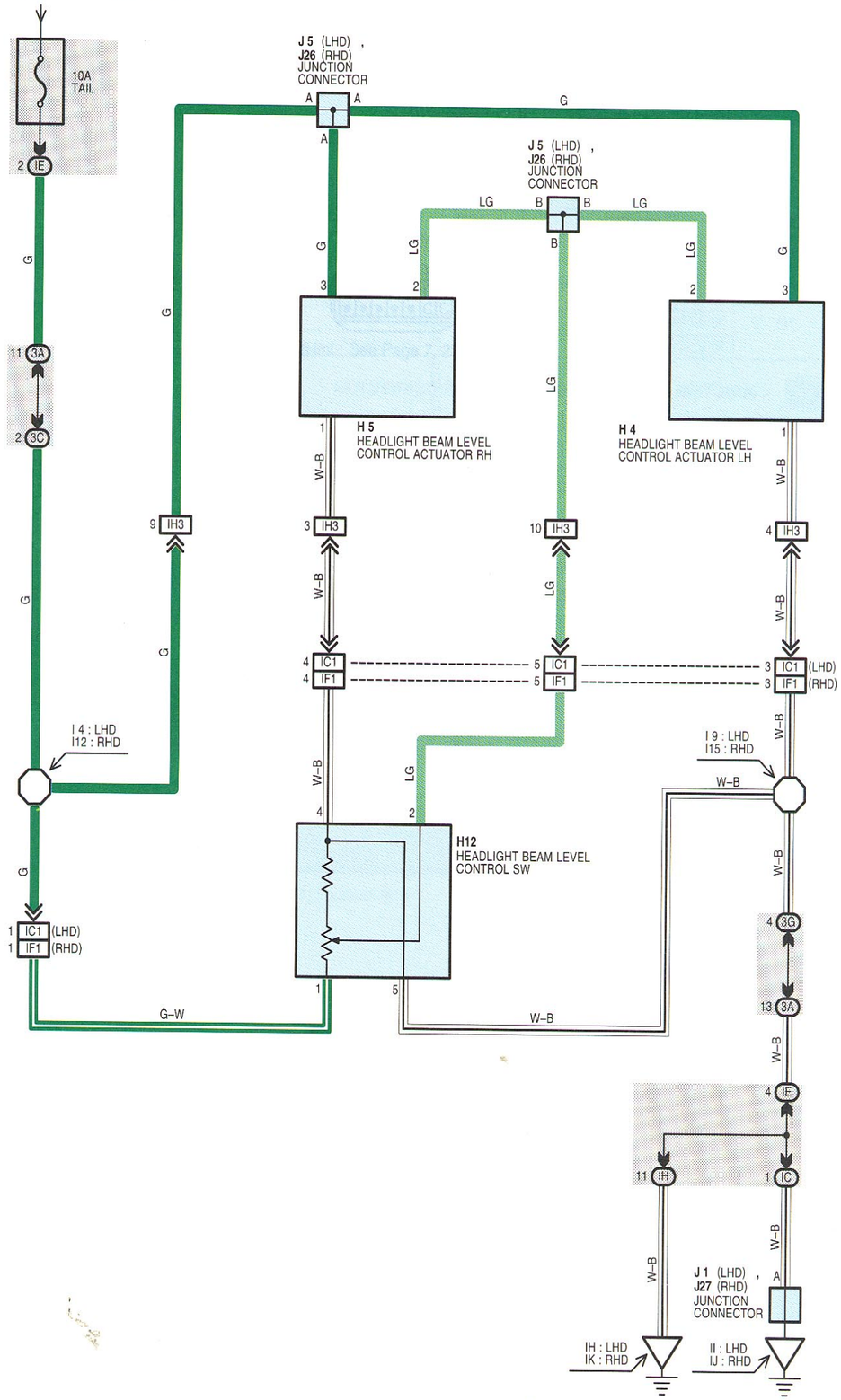
(Hint : See Page 7, 23, 39)

J5 GRAY



(Hint : See Page 7, 23, 39)

HEADLIGHT BEAM LEVEL CONTROL



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

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

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)		92 (RHD 2C-TE)
	70 (LHD *B)		68 (LHD *A)	H12	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)

: 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

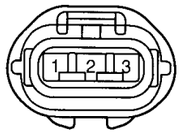
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

: SPLICE POINTS

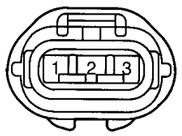
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire
I9	116 (LHD)	Instrument Panel Wire	I15	134 (RHD)	Instrument Panel Wire

HEADLIGHT BEAM LEVEL CONTROL

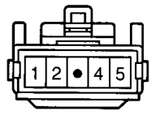
H4 GRAY



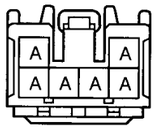
H5 GRAY



H12 GRAY

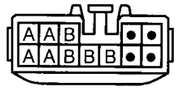


J1



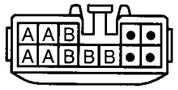
(Hint : See Page 7, 23, 39)

J5 GRAY



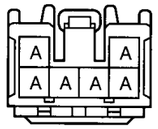
(Hint : See Page 7, 23, 39)

J26



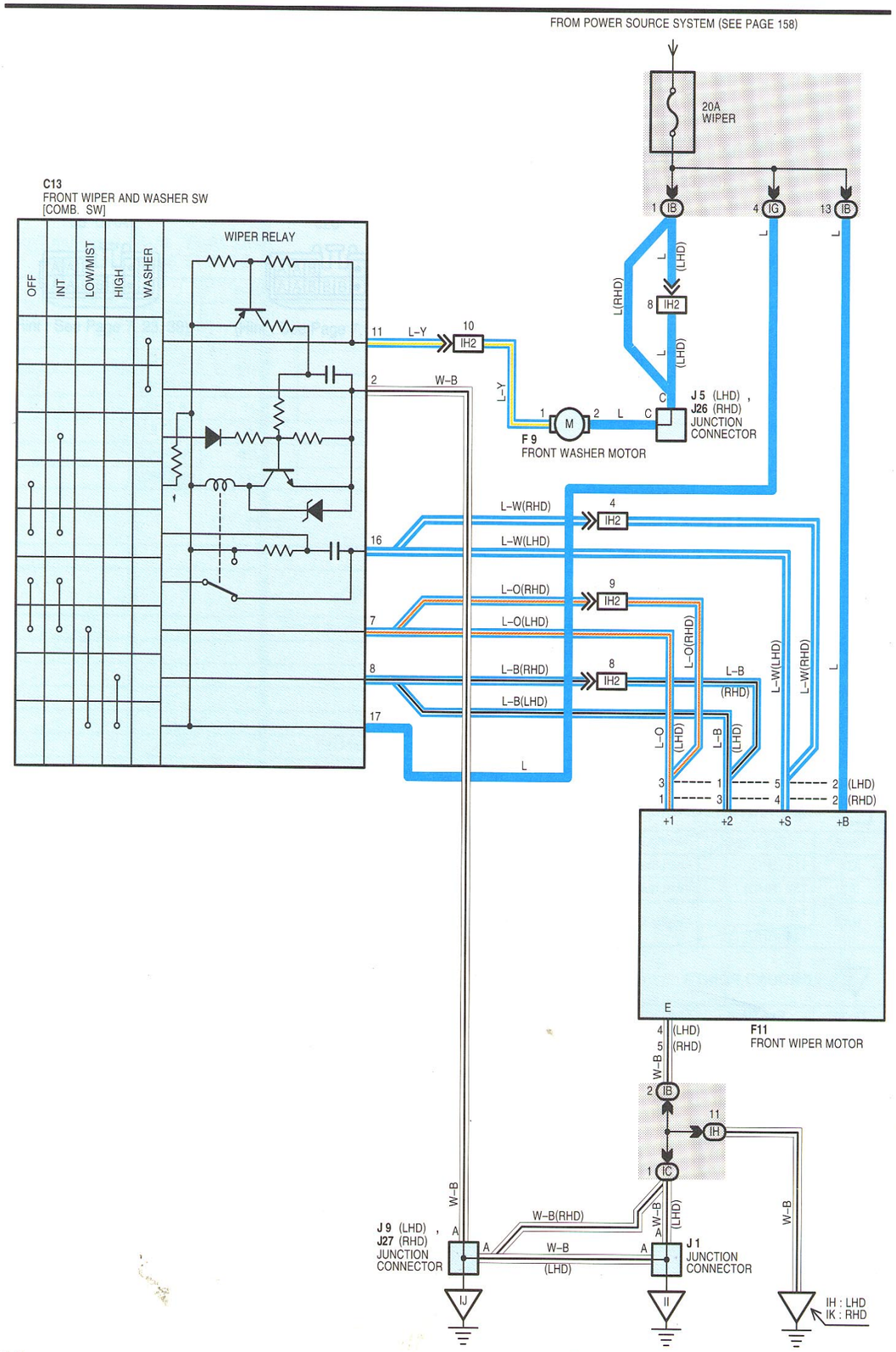
(Hint : See Page 7, 23, 39)

J27 GRAY



(Hint : See Page 7, 23, 39)

FRONT WIPER AND WASHER



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)		

: 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)

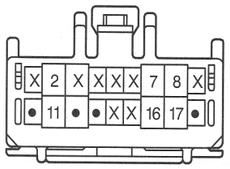
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)	

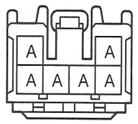
C13 BLACK



F9 BLACK

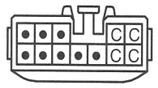
F11 GRAY

J1



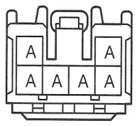
(Hint : See Page 7, 23, 39)

J5 GRAY



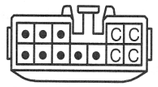
(Hint : See Page 7, 23, 39)

J9



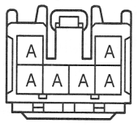
(Hint : See Page 7, 23, 39)

J26 GRAY



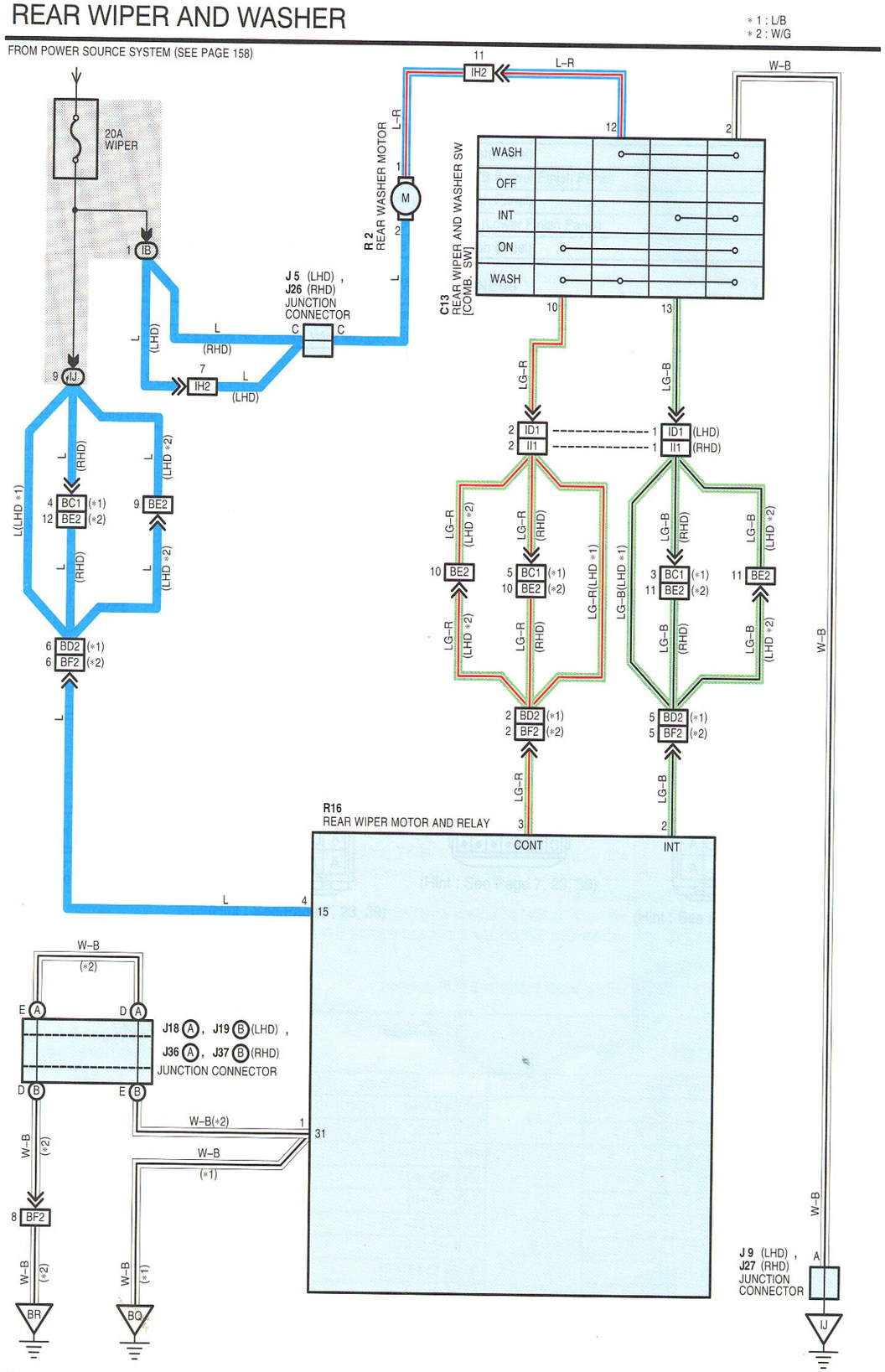
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

REAR WIPER AND WASHER



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

: 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)

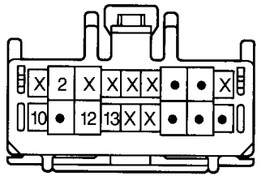
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)	

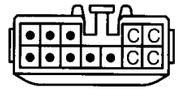
: GROUND POINTS

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

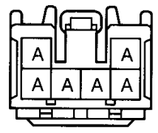


J5 GRAY



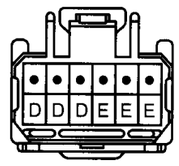
(Hint : See Page 7, 23, 39)

J9



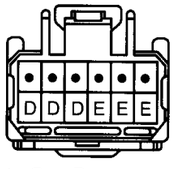
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



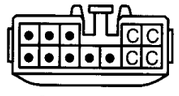
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



(Hint : See Page 7, 23, 39)

J26 GRAY

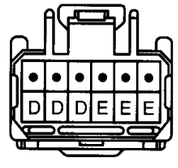


(Hint : See Page 7, 23, 39)

J27

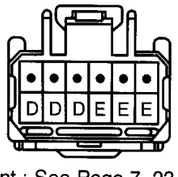
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



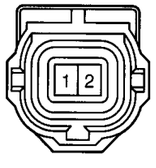
(Hint : See Page 7, 23, 39)

J37 (B) BLACK

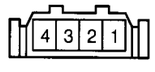


(Hint : See Page 7, 23, 39)

R2 RED

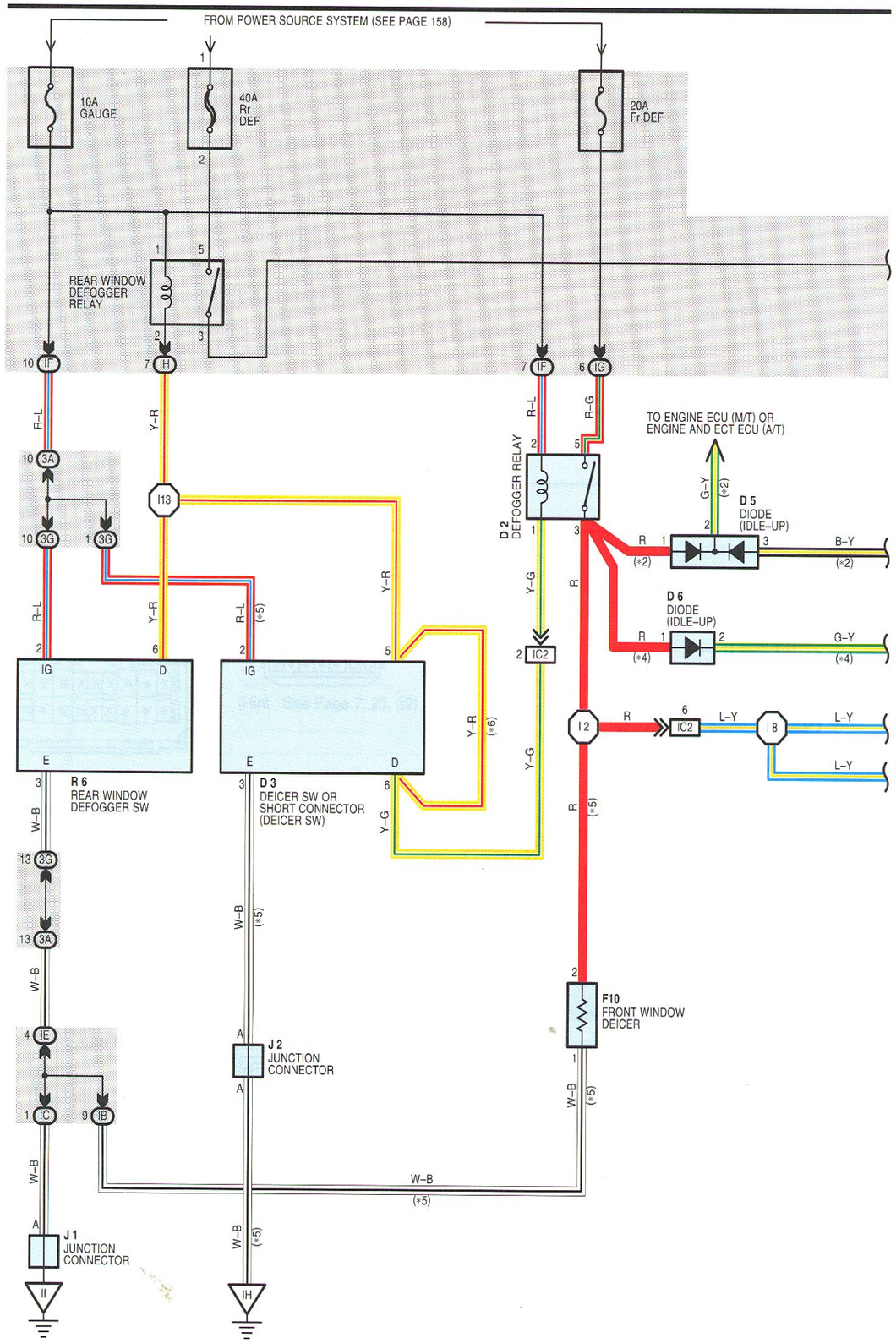


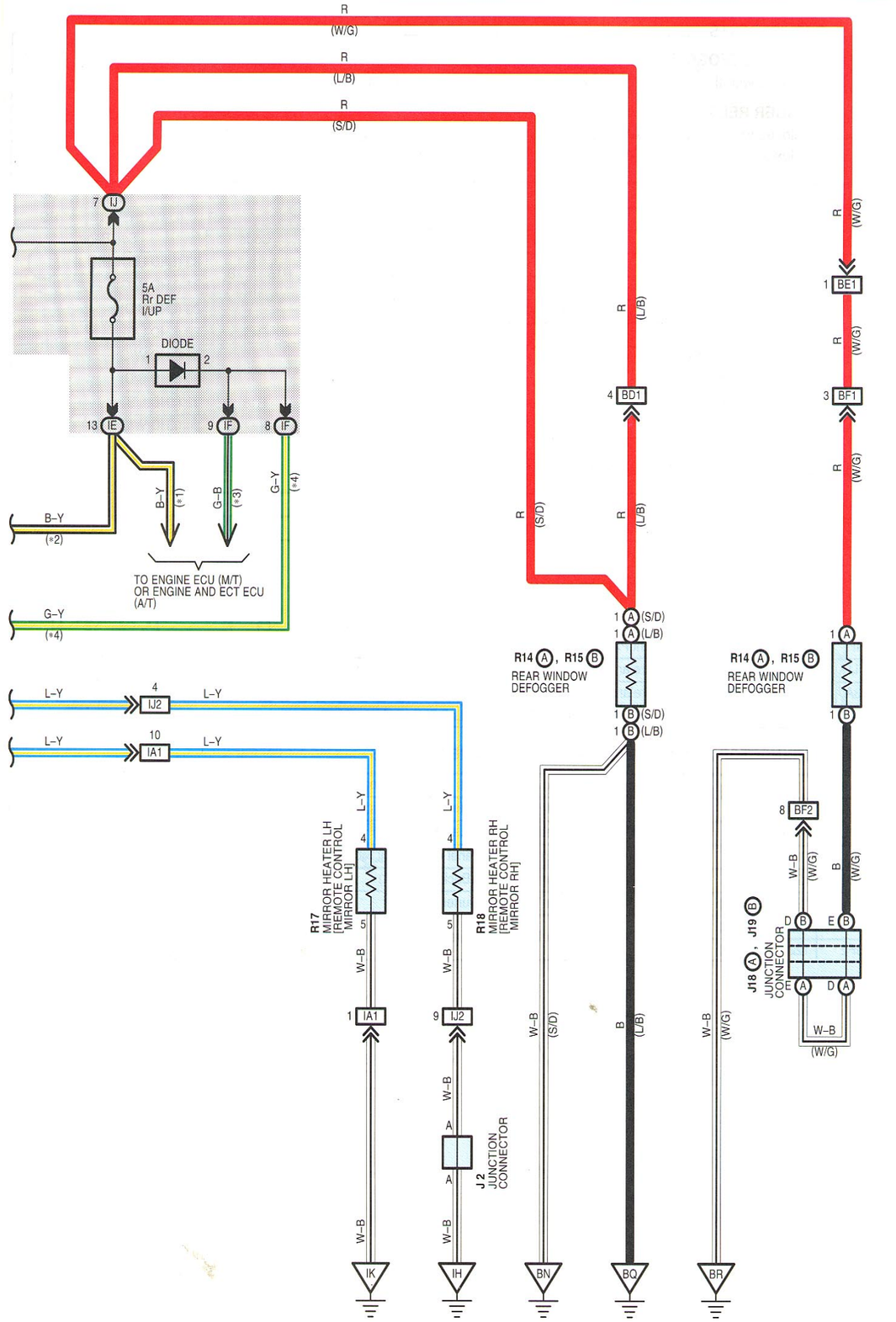
R16 BLACK



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)			82 (LHD L/B)	R18		80 (LHD S/D)
	72 (LHD 2C-TE)			84 (LHD W/G)			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 Qurter Panel)
BF1	122 (LHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	122 (LHD W/G)	

MIRROR HEATER (LHD)

: GROUND POINTS

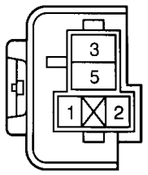
* A : 7A-FE, 4A-FE Lean Burn Type

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

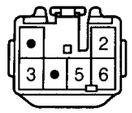
: SPLICE POINTS

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			

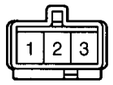
D2



D3



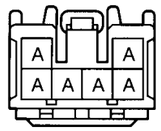
D5 ORANGE



D6 BLACK

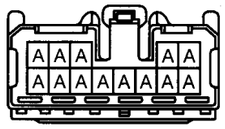
F10 BLACK

J1



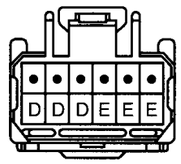
(Hint : See Page 7, 23, 39)

J2 ORANGE



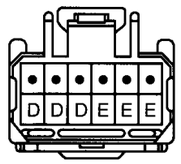
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



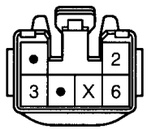
(Hint : See Page 7, 23, 39)

J19 (B) BLACK



(Hint : See Page 7, 23, 39)

R6 DARK GARY



(S/D) R14 (A)

(L/B) R14 (A) BLACK

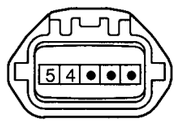
(W/G) R14 (A)

(S/D) R15 (B) BLACK

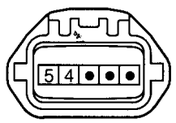
(L/B) R15 (B) BLACK

(W/G) R15 (B)

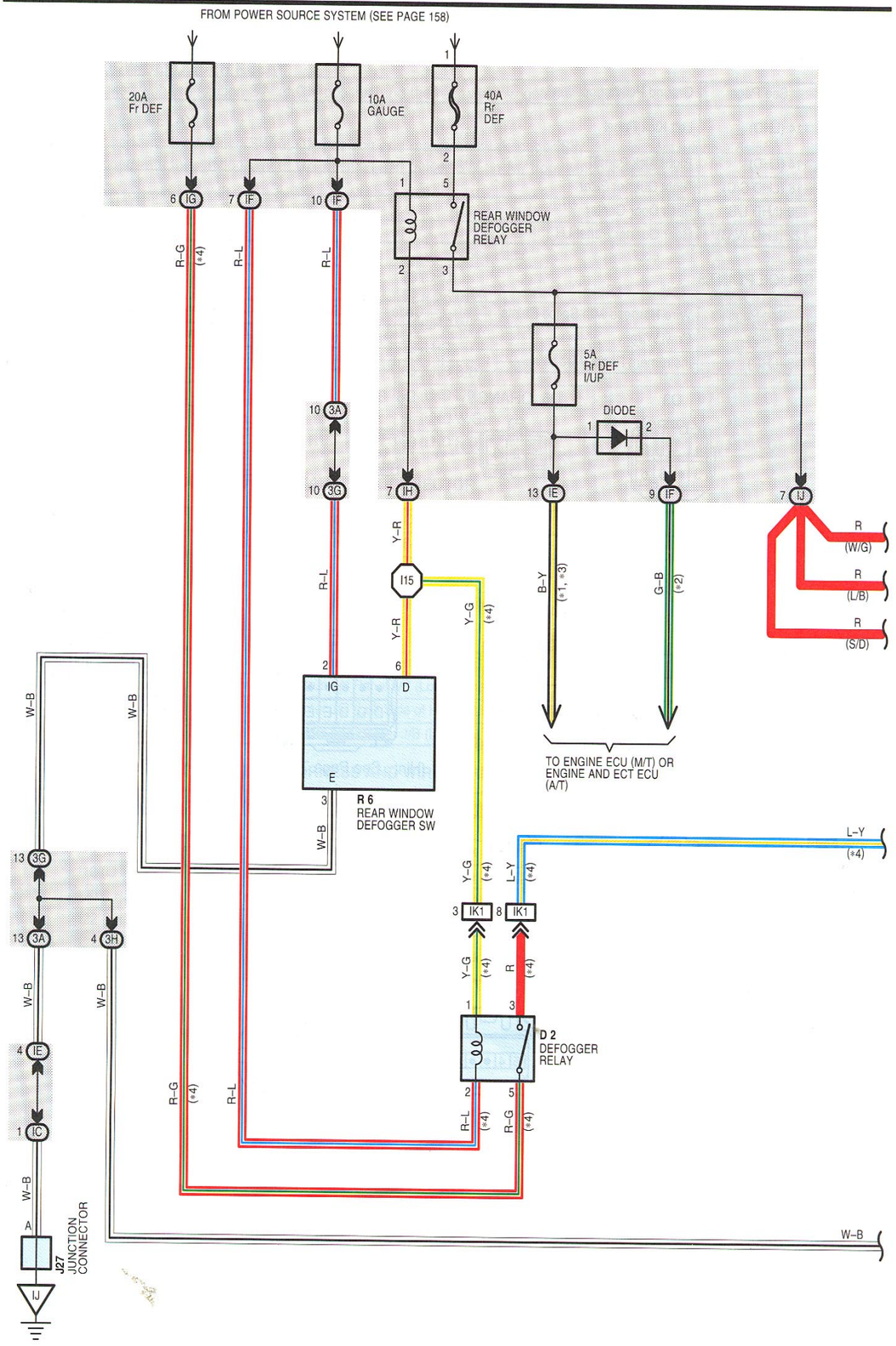
R17

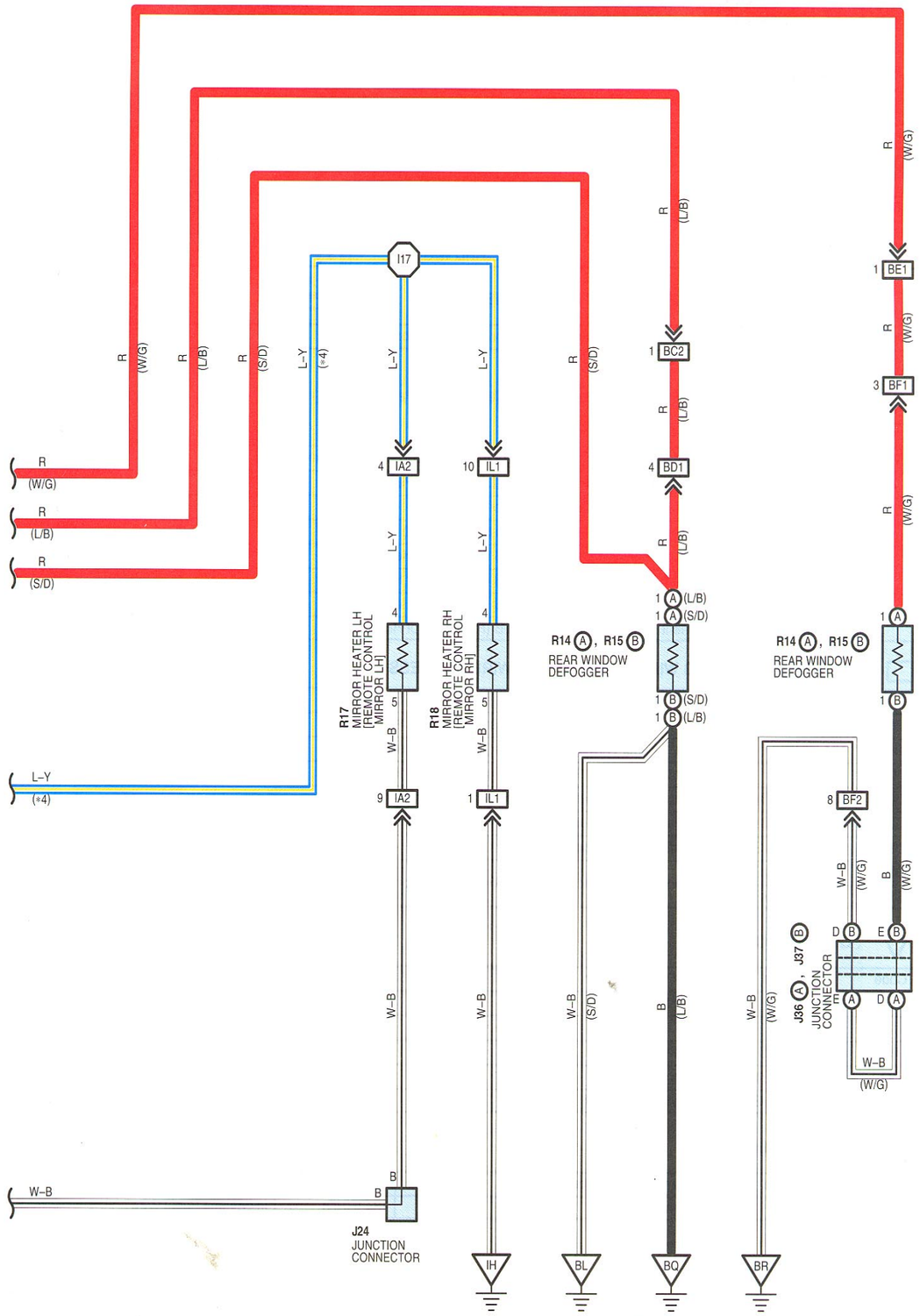


R18



REAR WINDOW DEFOGGER AND MIRROR HEATER (RHD)





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)	R17	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	102 (RHD W/G)	R15	B	98 (RHD S/D)	R18	98 (RHD S/D)
J37	B	102 (RHD W/G)			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 Qurter 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 Qurter Panel)
BF1	140 (RHD W/G)	Roof No.3 Wire and Back Door No.1 Wire (Back Door Left)
BF2	140 (RHD W/G)	

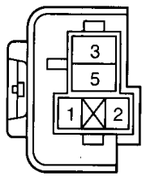
: GROUND POINTS

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

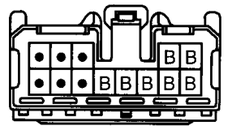
: SPLICE POINTS

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

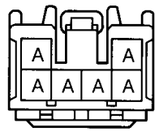


J24 GRAY



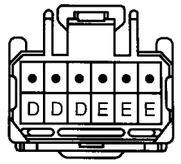
(Hint : See Page 7, 23, 39)

J27



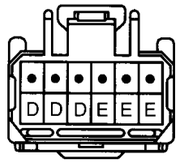
(Hint : See Page 7, 23, 39)

J36 (A) BLACK



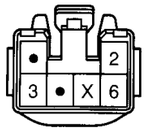
(Hint : See Page 7, 23, 39)

J37 (B) BLACK



(Hint : See Page 7, 23, 39)

R6 DARK GRAY



(S/D) R14 (A)

(L/B) R14 (A) BLACK

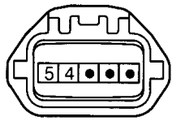
(W/G) R14 (A)

(S/D) R15 (B) BLACK

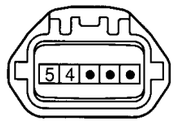
(L/B) R15 (B) BLACK

(W/G) R15 (B)

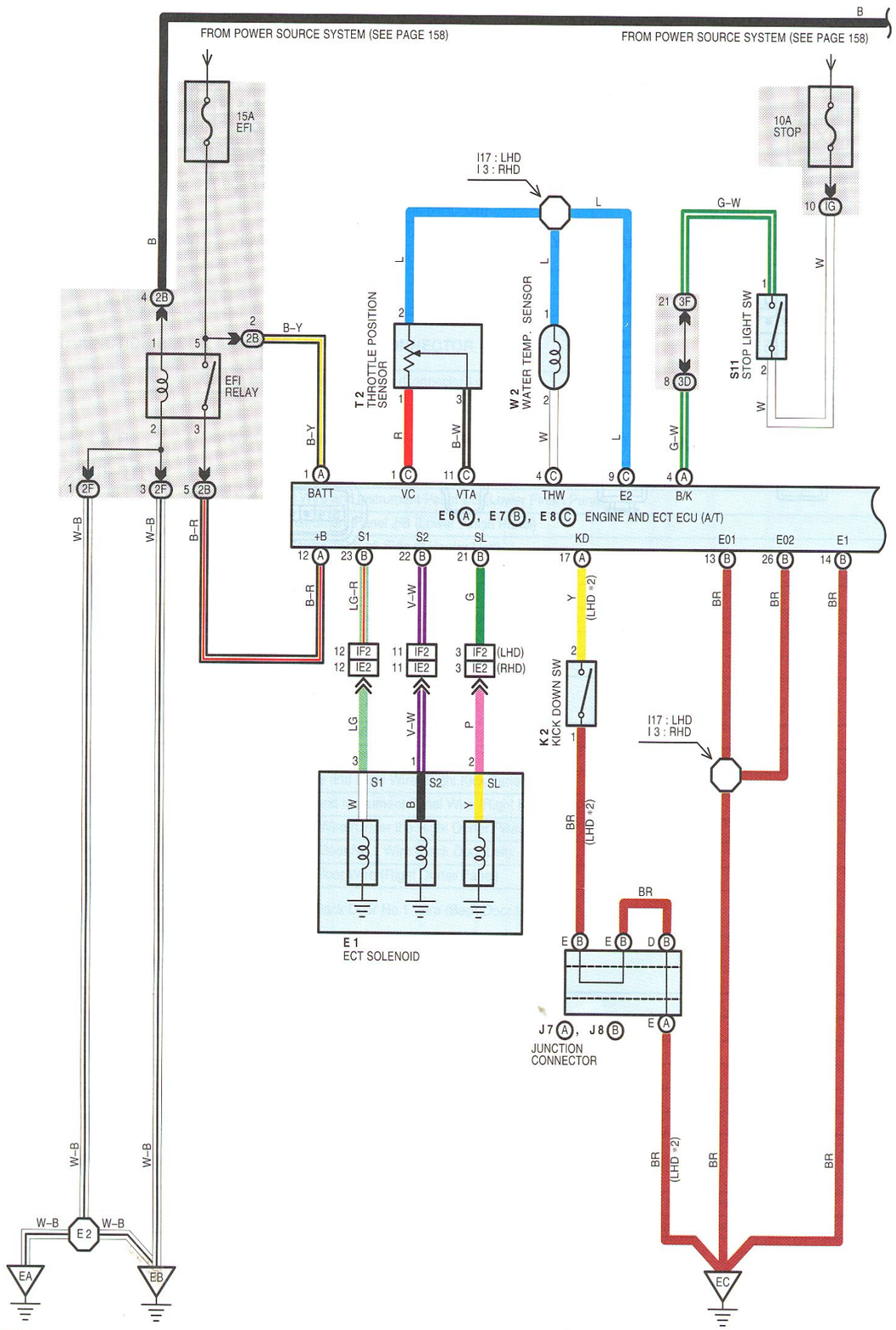
R17

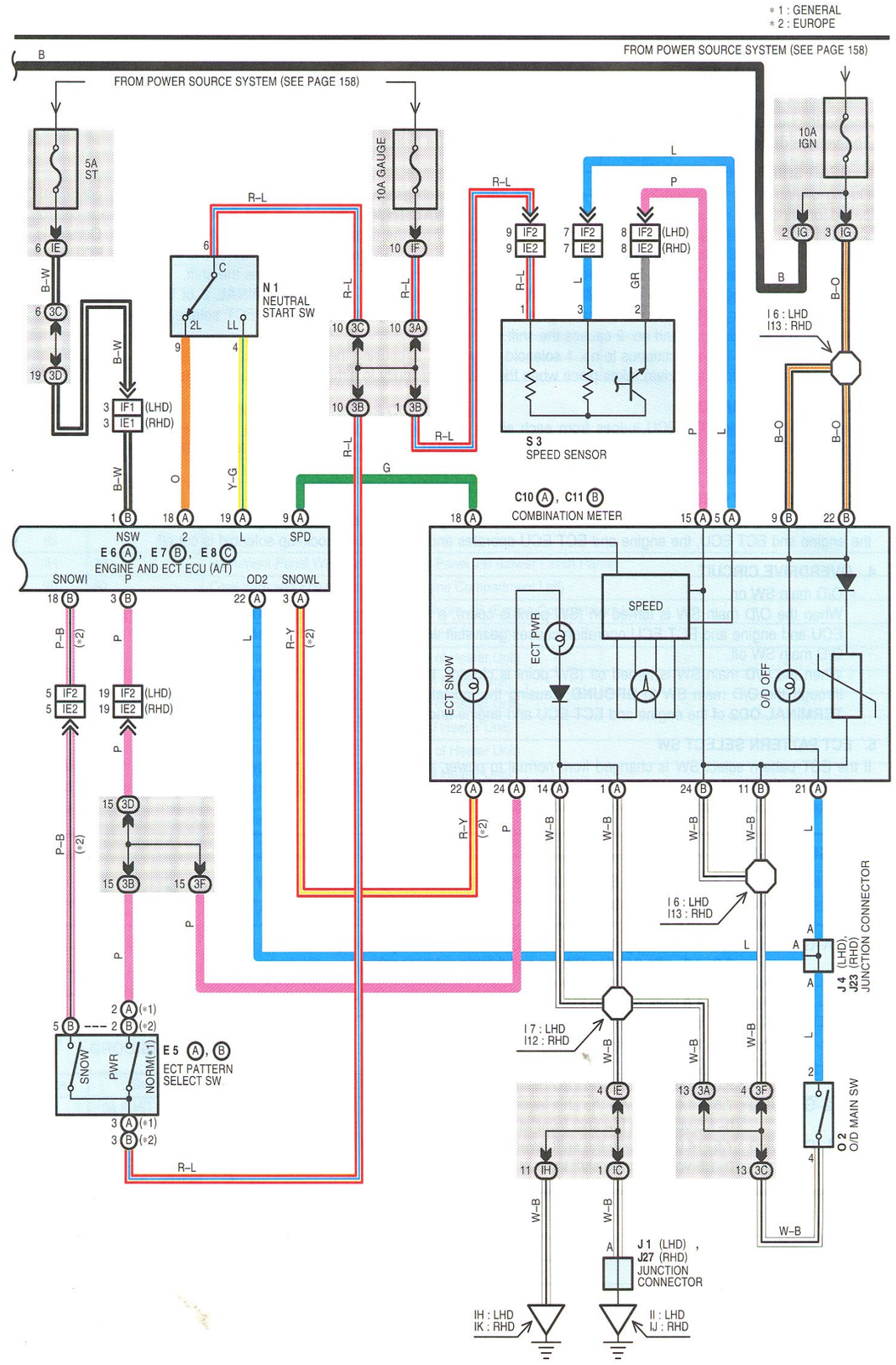


R18



ECT (3S-FE)


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
FROM POWER SOURCE SYSTEM (SEE PAGE 158)
15A EFI
EFI RELAY
10A STOP
I17 : LHD
I 3 : RHD
T 2 THROTTLE POSITION SENSOR
W 2 WATER TEMP. SENSOR
S11 STOP LIGHT SW
BATT
VC
VTA
THW
E2
B/K
E6 (A), E7 (B), E8 (C) ENGINE AND ECT ECU (A/T)
+B
S1
S2
SL
KD
E01
E02
E1
K2 KICK DOWN SW
E 1 ECT SOLENOID
J7 (A), J8 (B) JUNCTION CONNECTOR
E2
EA
EB
EC


* 1 : GENERAL
* 2 : EUROPE
FROM POWER SOURCE SYSTEM (SEE PAGE 158)
FROM POWER SOURCE SYSTEM (SEE PAGE 158)
5A ST
10A GAUGE
10A IGN
N 1 NEUTRAL START SW
S 3 SPEED SENSOR
I 6 : LHD
I13 : RHD
C10 (A), C11 (B) COMBINATION METER
NSW
SPD
E6 (A), E7 (B), E8 (C) ENGINE AND ECT ECU (A/T)
SNOWI
OD2
SNOWL
SPEED
ECT PWR
ECT SNOW
O/D OFF
J 4 (LHD), J23 (RHD) JUNCTION CONNECTOR
I 7 : LHD
I12 : RHD
O 2 O/D MAIN SW
E 5 (A), (B) ECT PATTERN SELECT SW
SNOW
PWR
NORM(*1)
J 1 (LHD), J27 (RHD) JUNCTION CONNECTOR
IH : LHD
IK : RHD
II : LHD
IJ : RHD

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)	E8	C	76 (LHD)	O2	78 (LHD)
C11	B	76 (LHD)			94 (RHD)		96 (RHD)
		94 (RHD)	J1		78 (LHD)	S3	66 (LHD 3S-FE)
E1		66 (LHD 3S-FE)	J4		78 (LHD)		86 (RHD 3S-FE)
		86 (RHD 3S-FE)	J7	A	78 (LHD)	S11	78 (LHD)
E5	A, B	76 (LHD)	J8	B	78 (LHD)		96 (RHD)
		94 (RHD)	J23		96 (RHD)	T2	66 (LHD 3S-FE)
E6	A	76 (LHD)	J27		96 (RHD)		86 (RHD 3S-FE)
		94 (RHD)	K2		78 (LHD)	W2	66 (LHD 3S-FE)
E7	B	76 (LHD)	N1		66 (LHD 3S-FE)		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	59	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
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)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IE2		
IF1	114 (LHD)	
IF2		

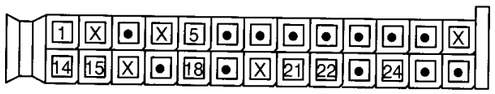
: GROUND POINTS

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

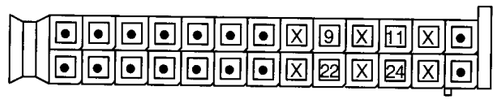
: SPLICE POINTS

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



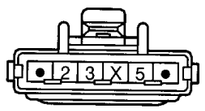
C11 (B) GREEN



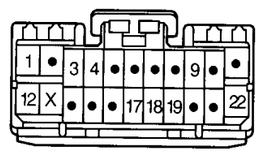
E1 BLACK

(General) E5 (A) BLACK

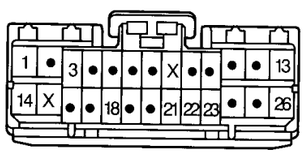
(Europe) E5 (B) BLACK



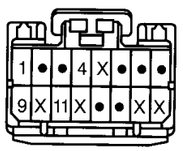
E6 (A)



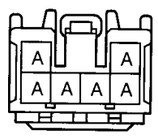
E7 (B)



E8 (C)

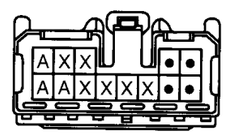


J1



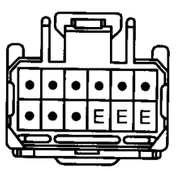
(Hint : See Page 7, 23, 39)

J4 BLUE



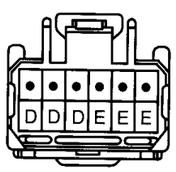
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



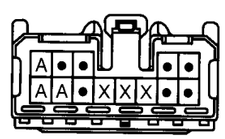
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



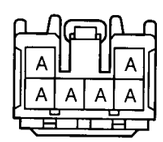
(Hint : See Page 7, 23, 39)

J23 BLUE



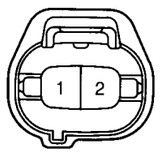
(Hint : See Page 7, 23, 39)

J27

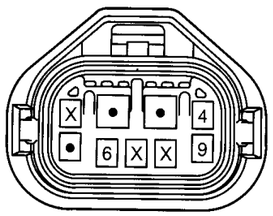


(Hint : See Page 7, 23, 39)

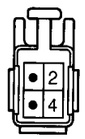
K2 BLACK



N1 GRAY

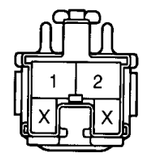


O2



S3 BLACK

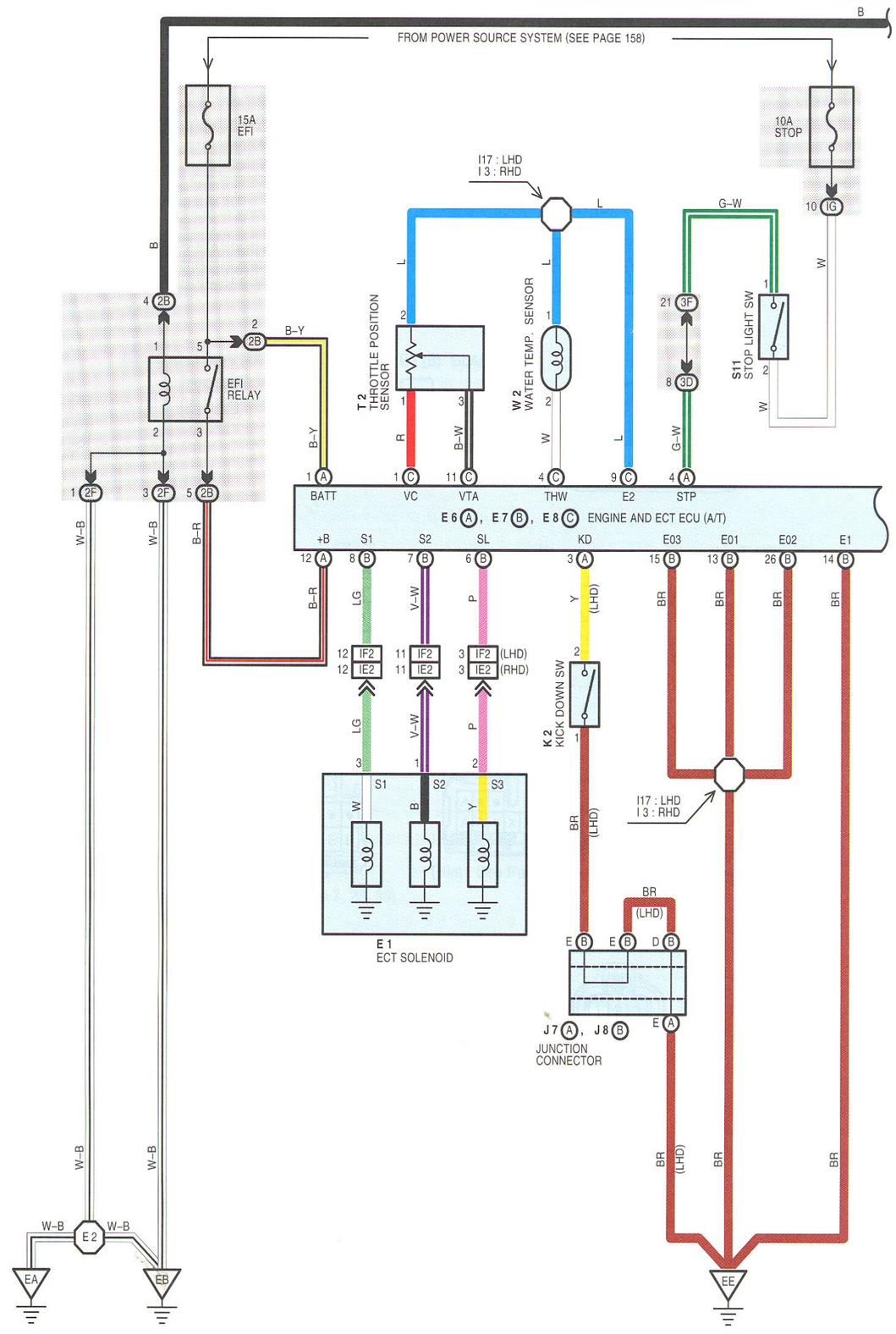
S11 BLACK

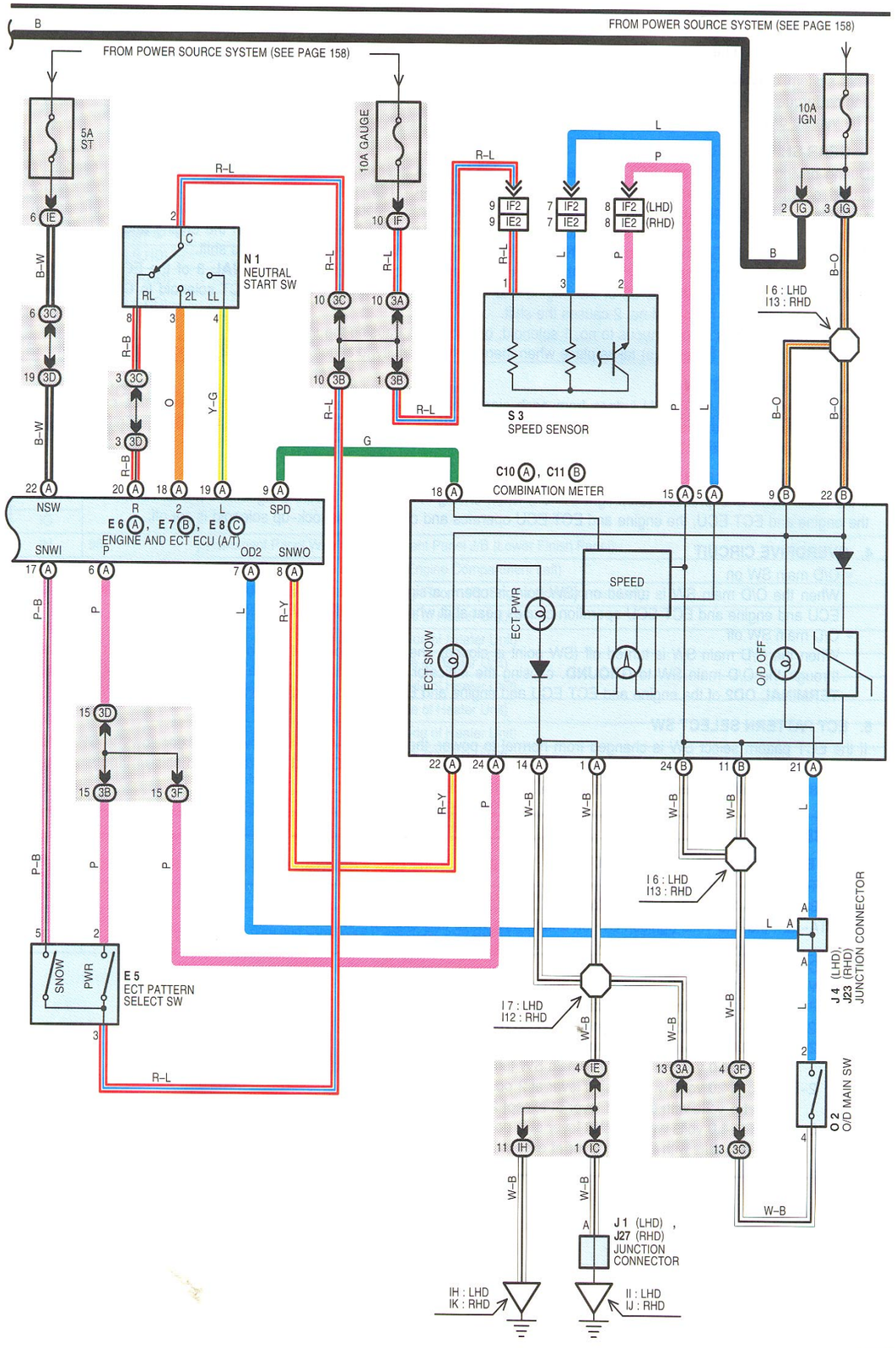


T2 BLACK

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)	E8	C	76 (LHD)	O2	78 (LHD)
C11	B	76 (LHD)			94 (RHD)		96 (RHD)
		94 (RHD)	J1		78 (LHD)	S3	68 (LHD *A)
E1		68 (LHD *A)	J4		78 (LHD)		88 (RHD *A)
		88 (RHD *A)	J7	A	78 (LHD)	S11	78 (LHD)
E5		76 (LHD)	J8	B	78 (LHD)		96 (RHD)
		94 (RHD)	J23		96 (RHD)	T2	68 (LHD *A)
E6	A	76 (LHD)	J27		96 (RHD)		88 (RHD *A)
		94 (RHD)	K2		78 (LHD)	W2	68 (LHD *A)
E7	B	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

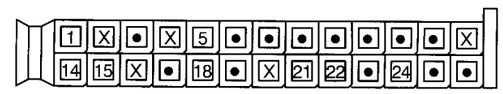
∗A : 7A-FE, 4A-FE Lean Burn Type

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

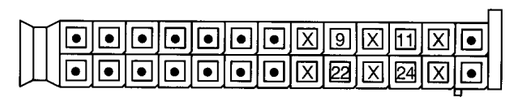
⬡ : SPLICE POINTS

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		
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire

C10 (A) BLACK

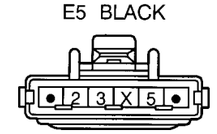


C11 (B) GREEN

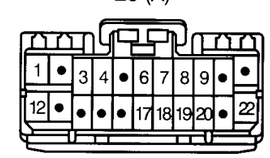


E1 BLACK

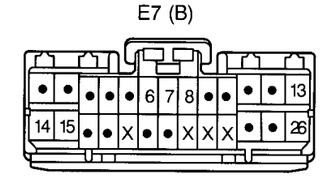
E5 BLACK



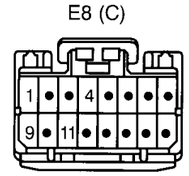
E6 (A)



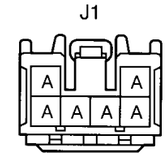
E7 (B)



E8 (C)



J1



(Hint : See Page 7, 23, 39)

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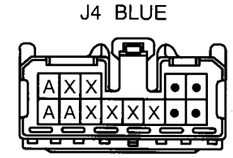
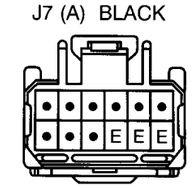


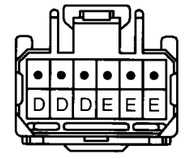
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



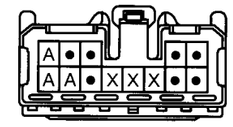
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



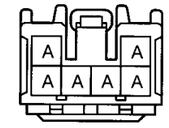
(Hint : See Page 7, 23, 39)

J23 BLUE



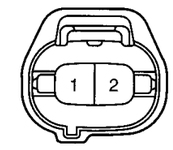
(Hint : See Page 7, 23, 39)

J27

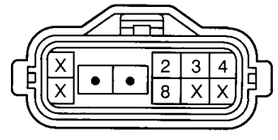


(Hint : See Page 7, 23, 39)

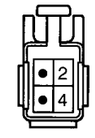
K2 BLACK



N1 GRAY

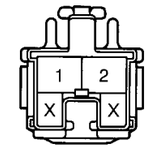


O2



S3 BLACK

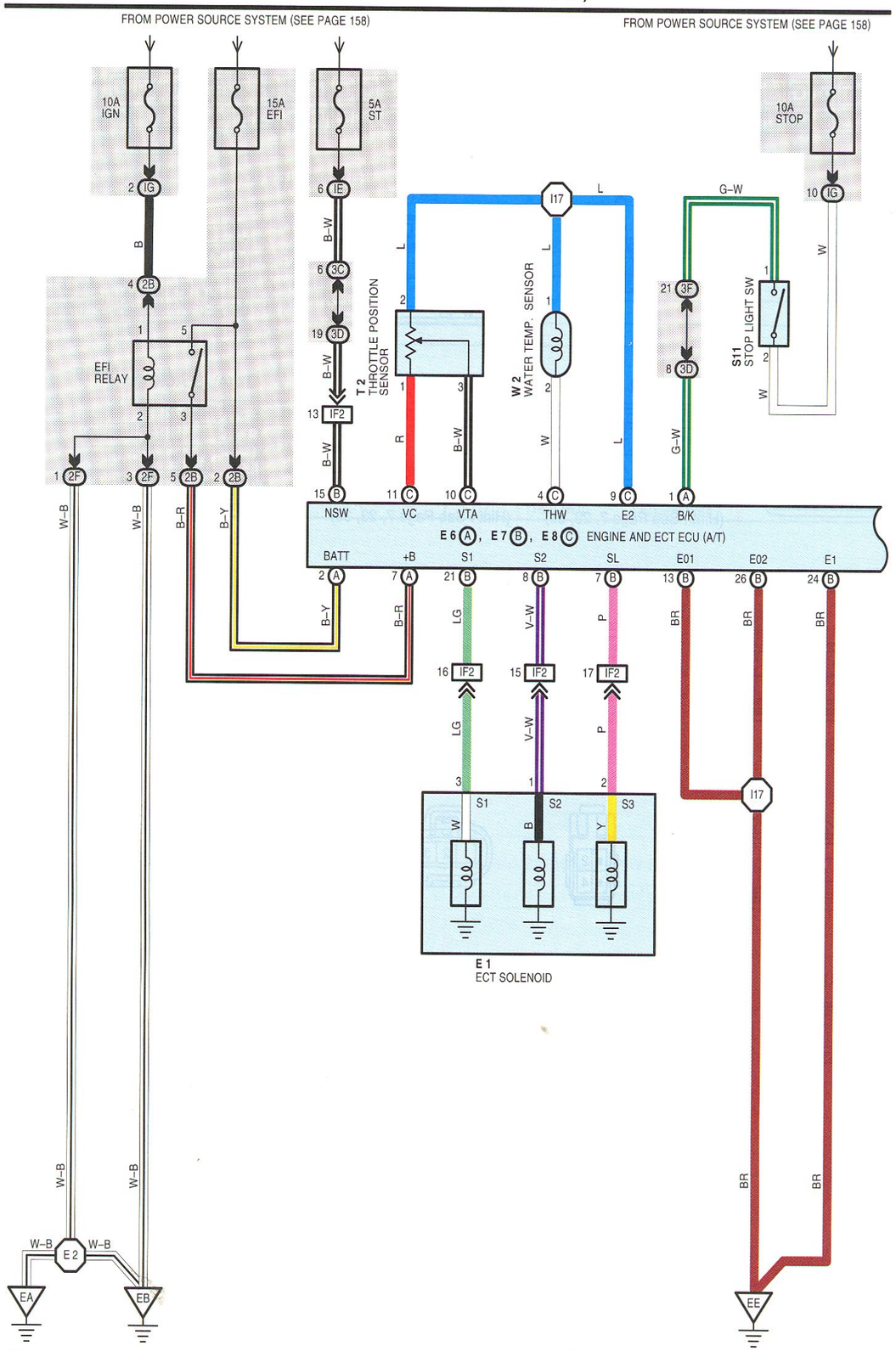
S11 BLUE

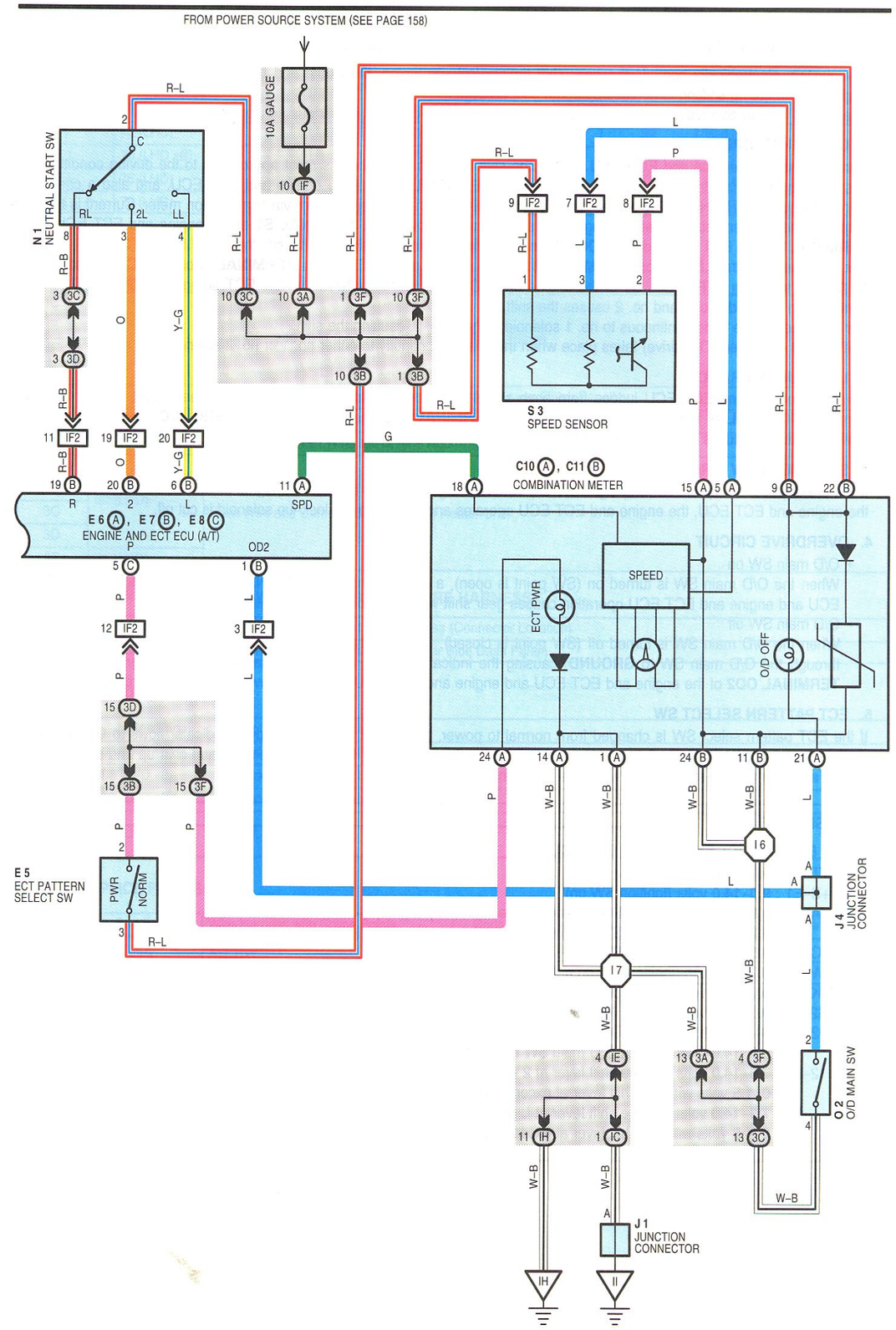


T2 BLACK

W2 DARK GRAY

ECT (4A-FE GENERAL STOICHIOMETRIC TYPE)





ECT (4A-FE GENERAL STOICHIOMETRIC 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 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

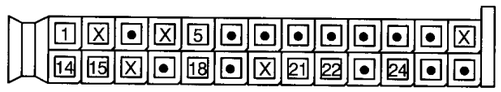
Code	See Page	Ground Points Location
EA	108 (LHD *B)	Under the Headlight RH
EB	108 (LHD *B)	Under the Headlight LH
EE	108 (LHD *B)	Under the Intake Manifold
IH	114 (LHD)	Left Kick Panel
II		

: SPLICE POINTS

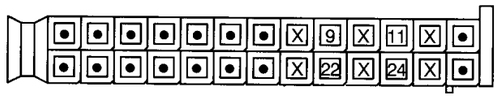
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire
I7					

ECT (4A-FE GENERAL STOICHIOMETRIC TYPE)

C10 (A) BLACK



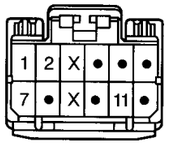
C11 (B) GREEN



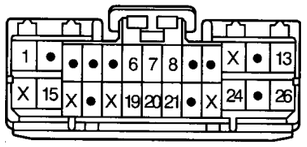
E1 BLACK

E5 BLACK

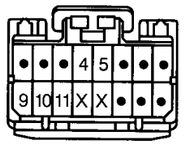
E6 (A)



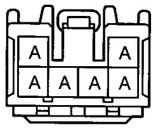
E7 (B)



E8 (C)

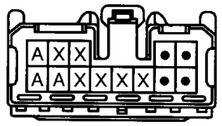


J1



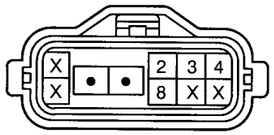
(Hint : See Page 7, 23, 39)

J4 BLUE

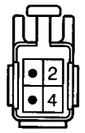


(Hint : See Page 7, 23, 39)

N1 GRAY

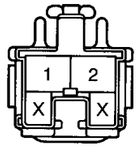


O2



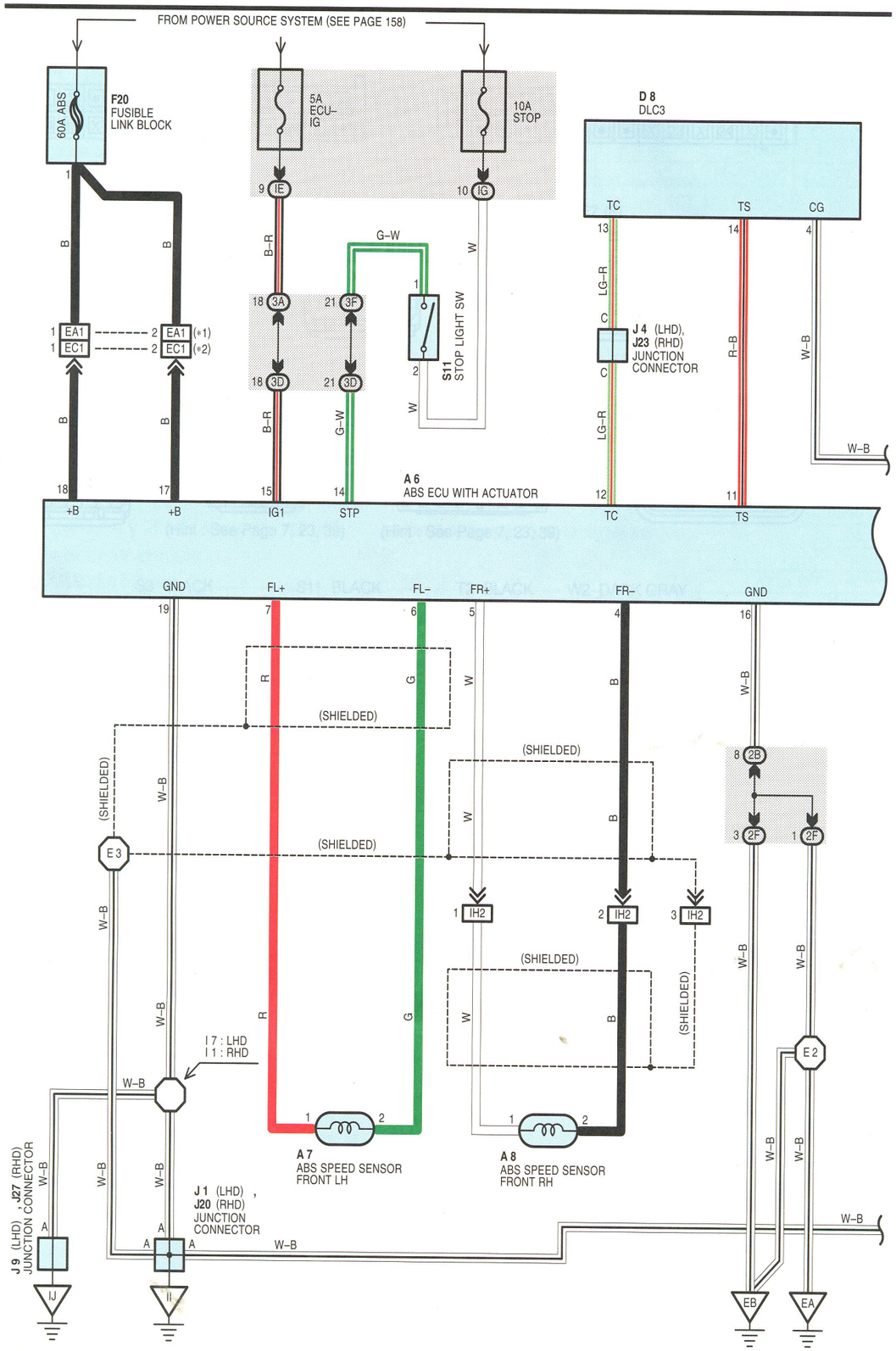
S3 BLACK

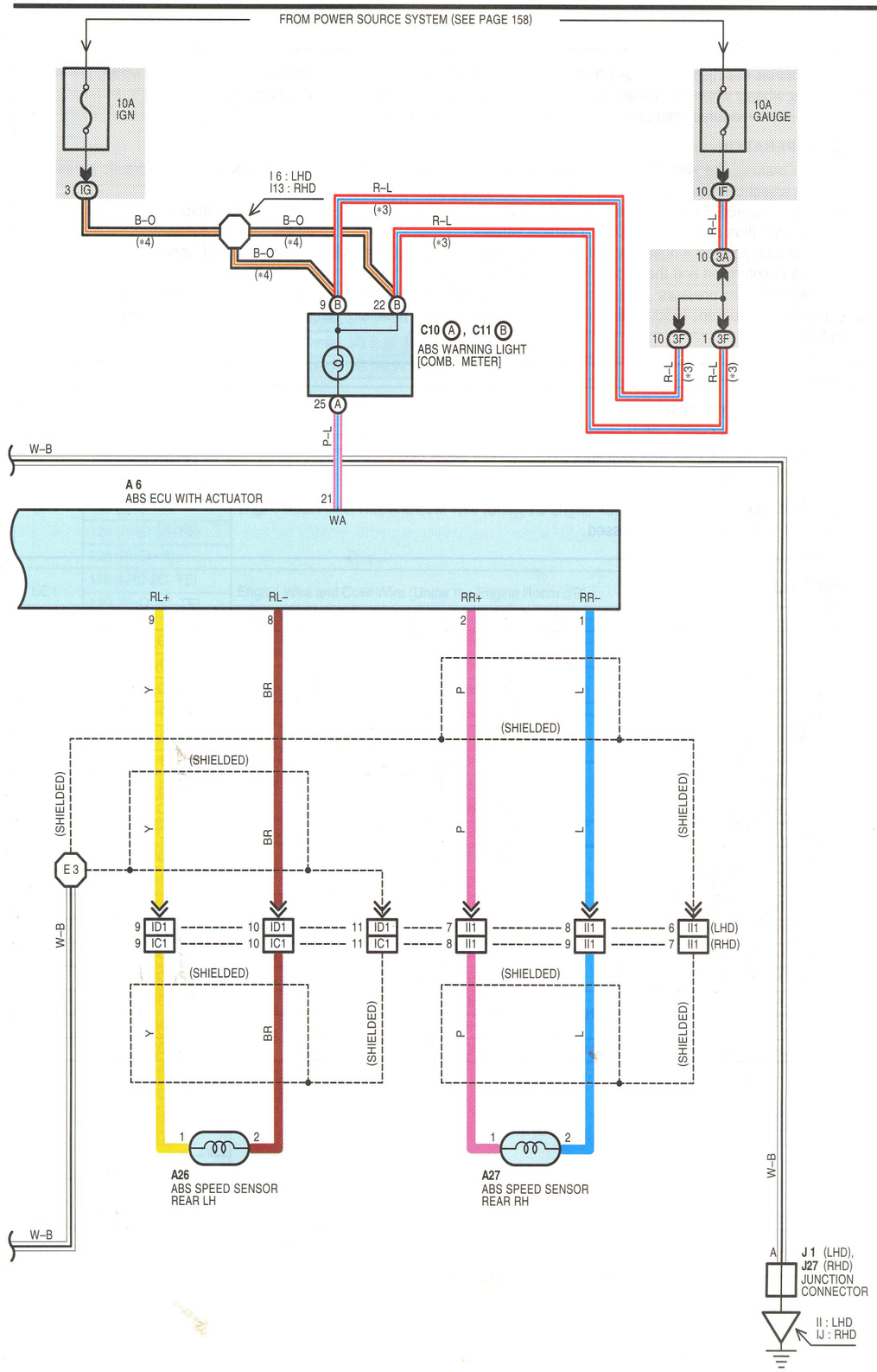
S11 BLACK



T2 BLACK

W2 DARK GRAY


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
60A ABS
F20
FUSIBLE
LINK BLOCK
5A
ECU-
IG
10A
STOP
D 8
DLC3
TC
TS
CG
G-W
S11
STOP LIGHT SW
J 4 (LHD),
J23 (RHD)
JUNCTION
CONNECTOR
A 6
ABS ECU WITH ACTUATOR
+B
IG1
STP
GND
FL+
FL-
FR+
FR-
(SHIELDED)
I 7 : LHD
I 1 : RHD
J 1 (LHD) ,
J20 (RHD)
JUNCTION
CONNECTOR
J 9 (LHD) , J27 (RHD)
JUNCTION CONNECTOR
A 7
ABS SPEED SENSOR
FRONT LH
A 8
ABS SPEED SENSOR
FRONT RH


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
10A
IGN
10A
GAUGE
I 6 : LHD
I13 : RHD
C10 , C11
ABS WARNING LIGHT
[COMB. METER]
A 6
ABS ECU WITH ACTUATOR
WA
RL+
RL-
RR+
RR-
(SHIELDED)
A26
ABS SPEED SENSOR
REAR LH
A27
ABS SPEED SENSOR
REAR RH
J 1 (LHD),
J27 (RHD)
JUNCTION
CONNECTOR
II : LHD
IJ : RHD

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
A6	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)
	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)
A7	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)
	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)
A8	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)

Code	See Page
A8	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)
A26	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
A27	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
C10 A	76 (LHD)
	94 (RHD)
C11 B	76 (LHD)

Code	See Page
C11 B	94 (RHD)
D8	76 (LHD)
	94 (RHD)
F20	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)
	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)
J1	78 (LHD)
J4	78 (LHD)
J9	78 (LHD)
J20	96 (RHD)
J23	96 (RHD)
J27	96 (RHD)
S11	78 (LHD)
	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

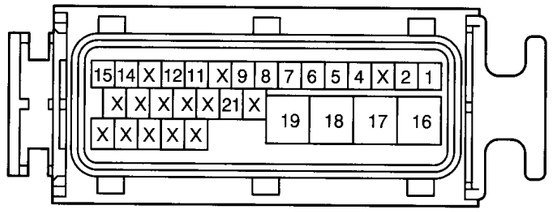
Code	See Page	Ground Points Location
EA	104 (LHD 3S-FE)	Under the Headlight RH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	
	130 (RHD 2C-TE)	
EB	104 (LHD 3S-FE)	Under the Headlight LH
	106 (LHD *A)	
	108 (LHD *B)	
	110 (LHD 2C-TE)	
	124 (RHD 3S-FE)	
	126 (RHD *A)	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

A6 BLACK



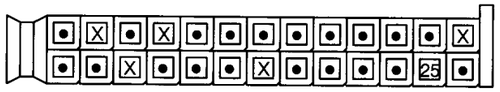
A7 GRAY

A8 GRAY

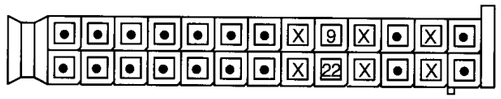
A26 GRAY

A27 GRAY

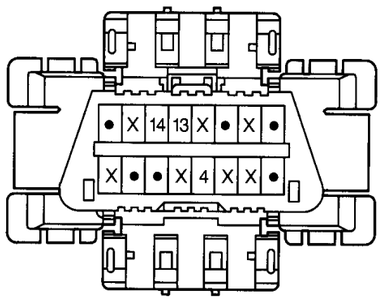
C10 (A) BLACK



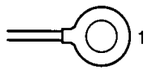
C11 (B) GREEN



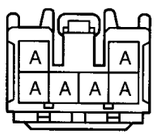
D8



F20

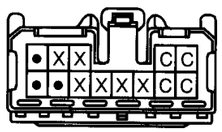


J1



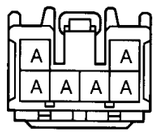
(Hint : See Page 7, 23, 39)

J4 BLUE



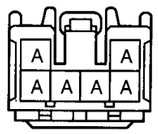
(Hint : See Page 7, 23, 39)

J9



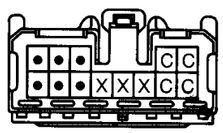
(Hint : See Page 7, 23, 39)

J20



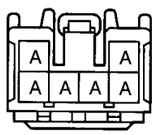
(Hint : See Page 7, 23, 39)

J23 BLUE



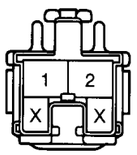
(Hint : See Page 7, 23, 39)

J27



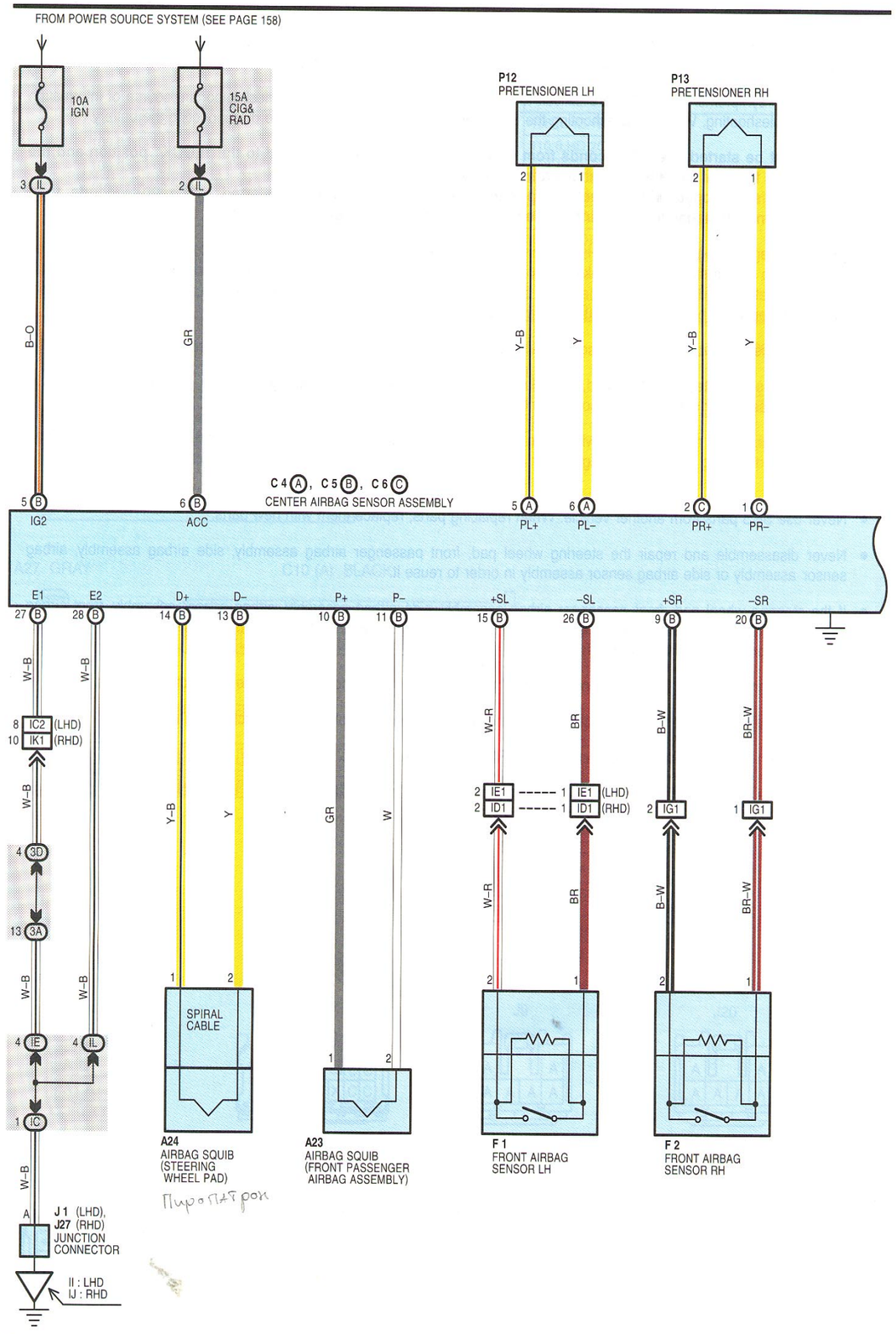
(Hint : See Page 7, 23, 39)

S11 BLACK

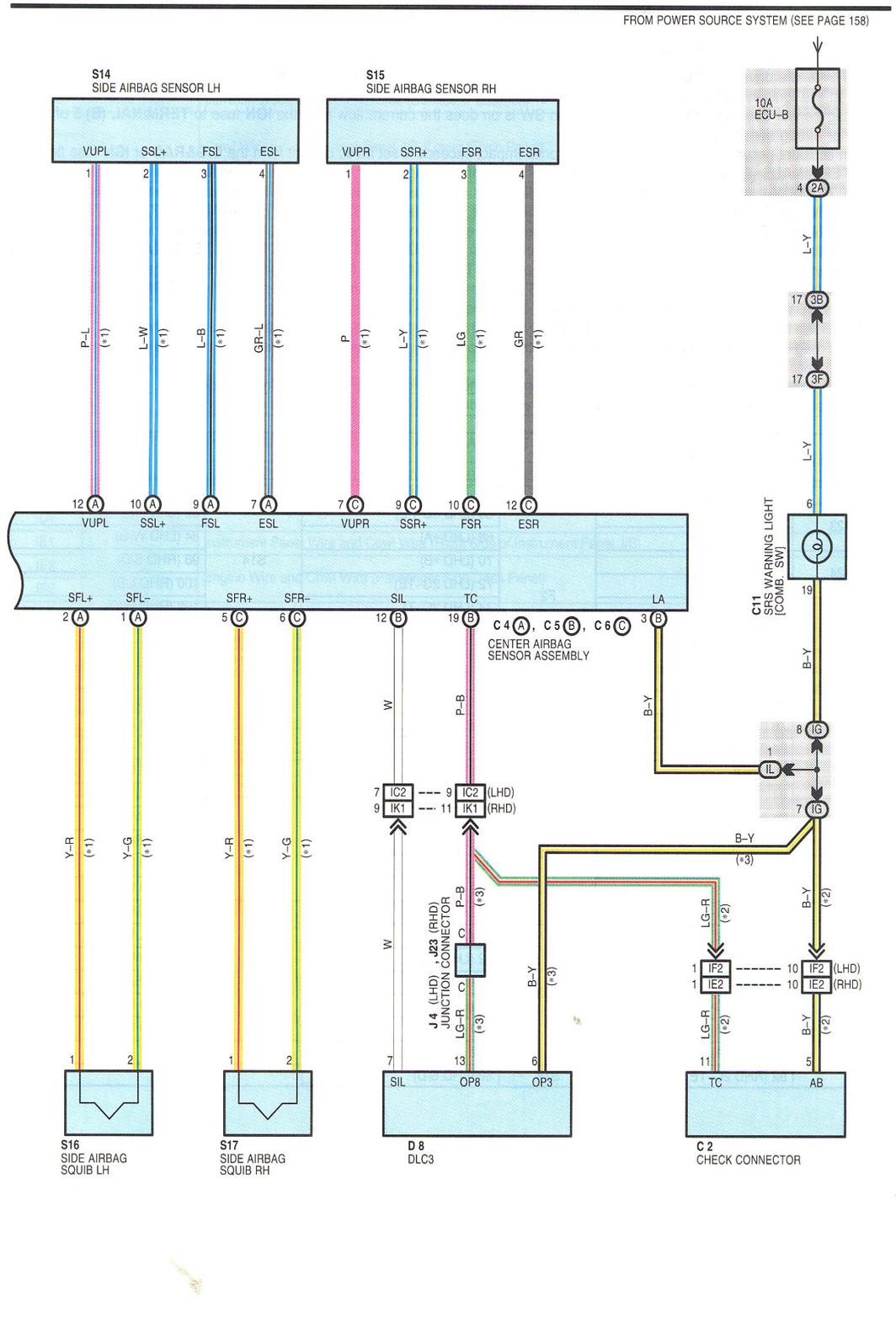


NOTICE: When inspecting or repairing the SRS, perform the operation in accordance with the following precautionary instructions and the procedure and precautions in the Repair Manual for the applicable model year.

- 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, pertorm 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.



* 1 : W/ SIDE AIRBAG
* 2 : 4A–FE GENERAL STOICHIOMETRIC TYPE, 2C–T
* 3 : EXCEPT *2



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
A23	76 (LHD)
	94 (RHD)
A24	76 (LHD)
	94 (RHD)
C2	70 (LHD *B)
	74 (LHD 2C-T)
	90 (RHD *B)
C4 A	76 (LHD)
	94 (RHD)
C5 B	76 (LHD)
	94 (RHD)
C6 C	76 (LHD)
	94 (RHD)
C11	76 (LHD)
	94 (RHD)
D8	76 (LHD)
	94 (RHD)
F1	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)
	74 (LHD 2C-T)
	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)

Code	See Page
F2	66 (LHD 3S-FE)
	68 (LHD *A)
	70 (LHD *B)
	72 (LHD 2C-TE)
	74 (LHD 2C-T)
	86 (RHD 3S-FE)
	88 (RHD *A)
	92 (RHD 2C-TE)
J1	78 (LHD)
J4	78 (LHD)
J23	96 (RHD)
J27	96 (RHD)
P12	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
P13	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
S14	80 (LHD S/D)

Code	See Page
S14	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
S15	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
S16	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
S17	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)

○ : 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)

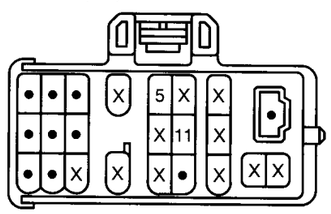
▽ : GROUND POINTS

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

A23 YELLOW

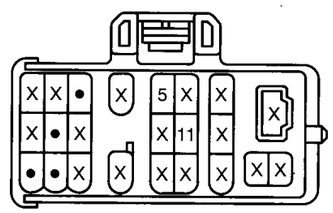
A24 YELLOW

(* 1) C2 BLACK

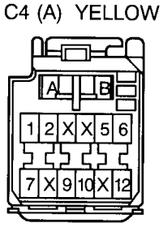


* 1 : 4A-FE General Stoichiometric Type

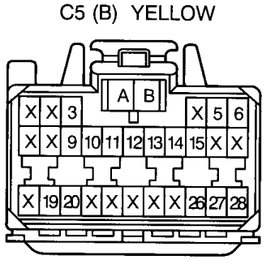
(2C-T) C2 BLACK



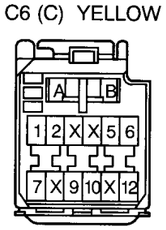
C4 (A) YELLOW



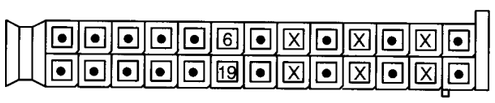
C5 (B) YELLOW



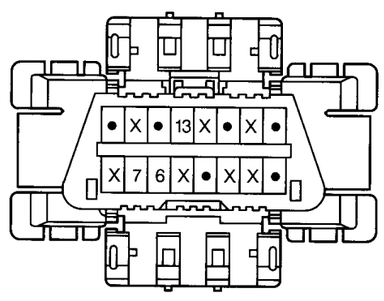
C6 (C) YELLOW



C11 GREEN

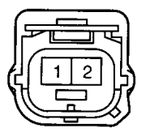


D8

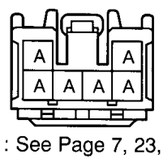


F1 YELLOW

F2 YELLOW

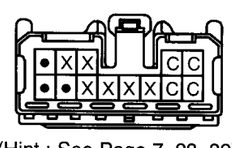


J1



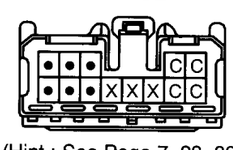
(Hint : See Page 7, 23, 39)

J4 BLUE



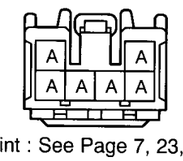
(Hint : See Page 7, 23, 39)

J23 BLUE



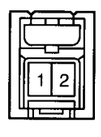
(Hint : See Page 7, 23, 39)

J27

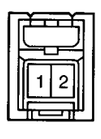


(Hint : See Page 7, 23, 39)

P12 YELLOW



P13 YELLOW



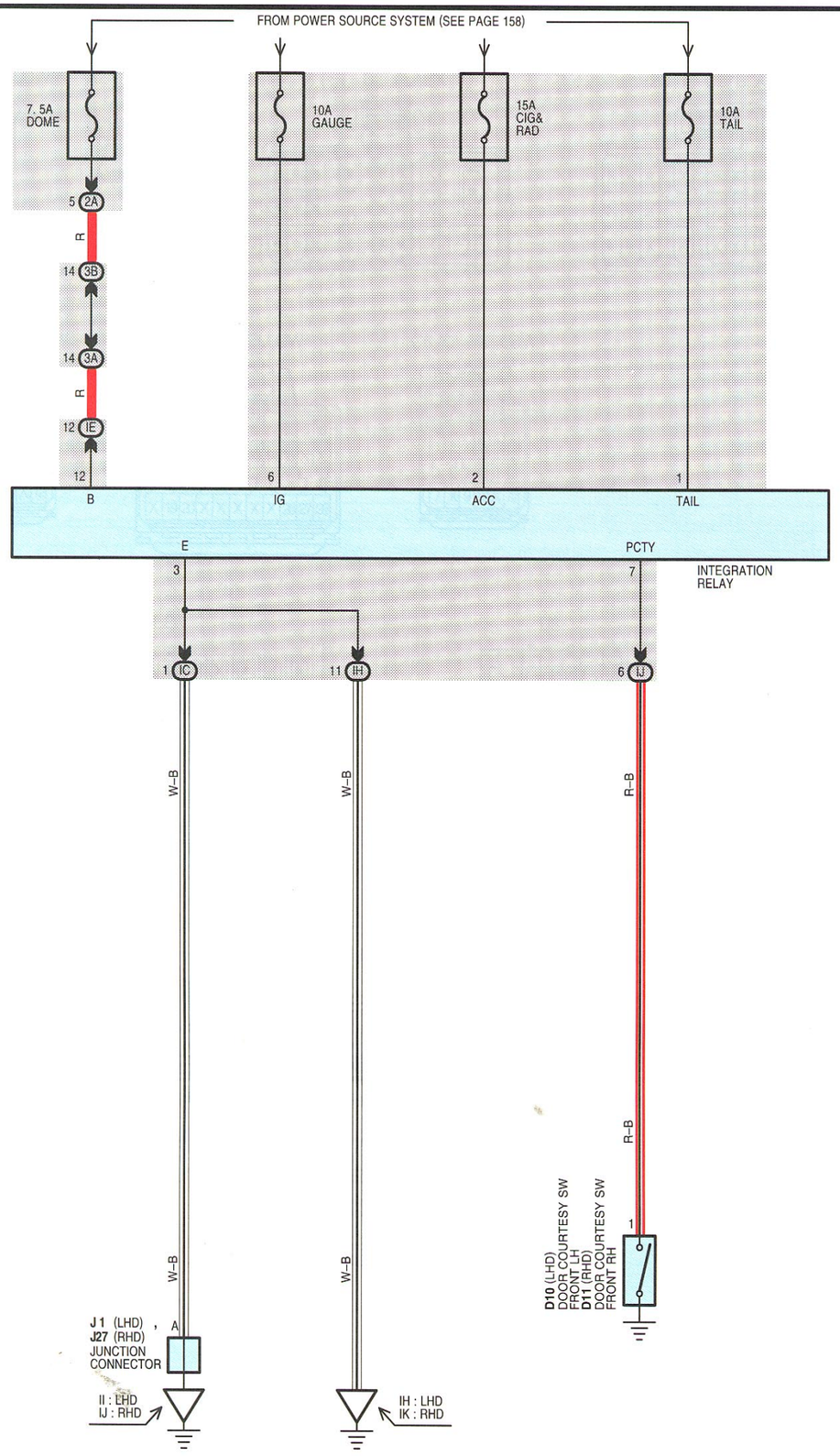
S14 YELLOW

S15 YELLOW

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)		

: 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)

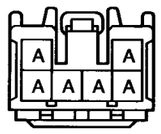
▽ : GROUND POINTS

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

D10

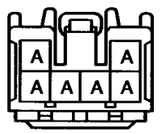
D11

J1



(Hint : See Page 7, 23, 39)

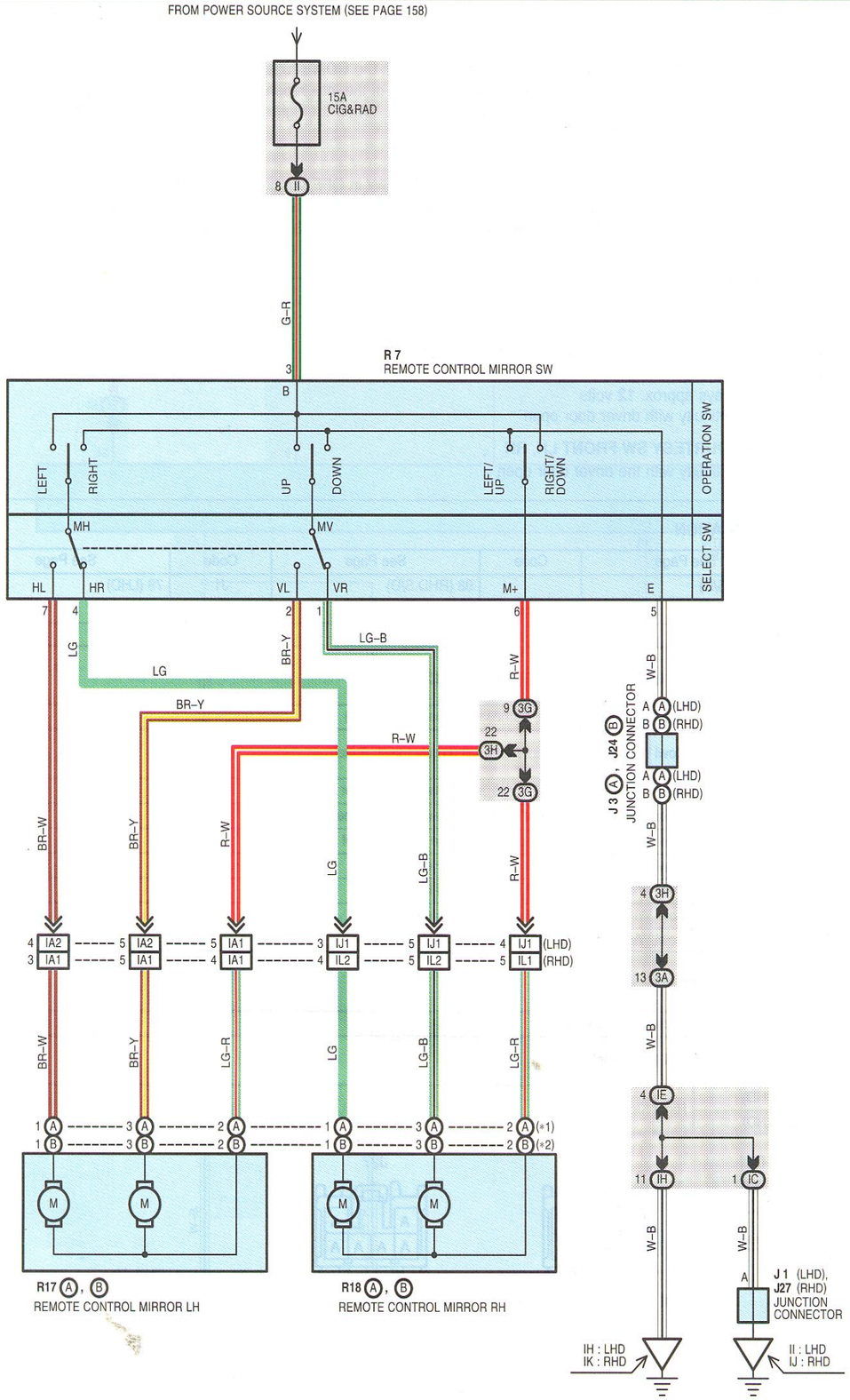
J27



(Hint : See Page 7, 23, 39)

REMOTE CONTROL MIRROR

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



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** votls 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)	R18	A, B	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)			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

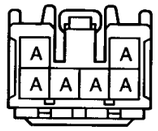
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	114 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	132 (RHD)	
IA2	114 (LHD)	
IJ1	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL1	134 (RHD)	
IL2		

▽ : GROUND POINTS

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

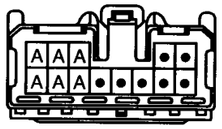
REMOTE CONTROL MIRROR

J1



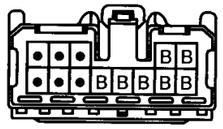
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



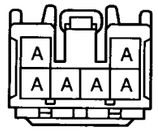
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



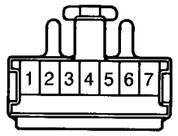
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

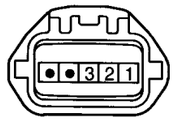
R7 BLACK



(w/ Mirror Heater) R17 (A)

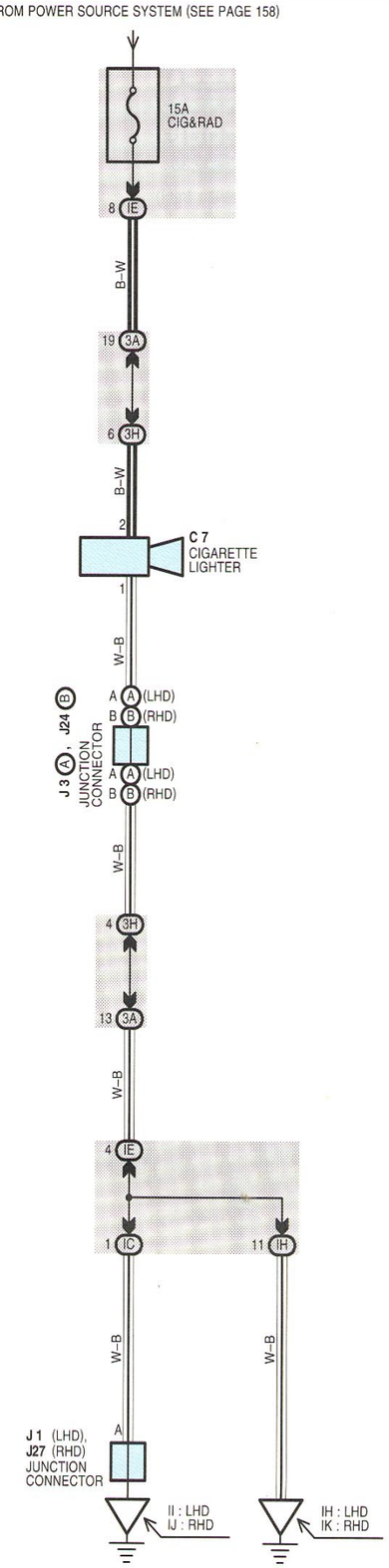
(w/o Mirror Heater) R17 (B)

(w/ Mirror Heater) R18 (A)



(w/o Mirror Heater) R18 (B)

CIGARETTE LIGHTER



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)

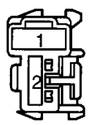
▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

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)

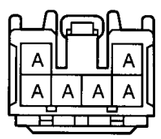
▽ : GROUND POINTS

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

C7 BLACK

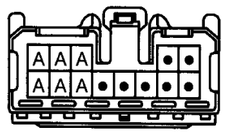


J1



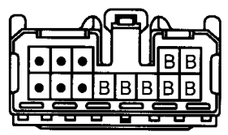
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



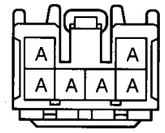
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



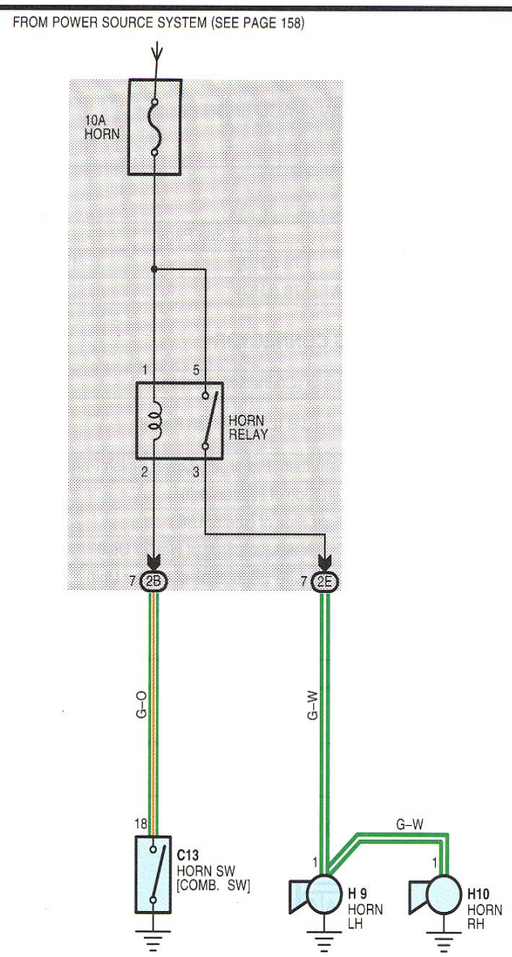
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

HORN



SERVICE HINTS

HORN RELAY

5-3 : Closed with the horn SW on.

: PARTS LOCATION

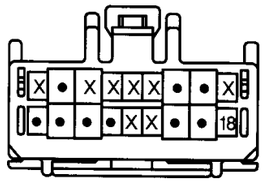
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

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)

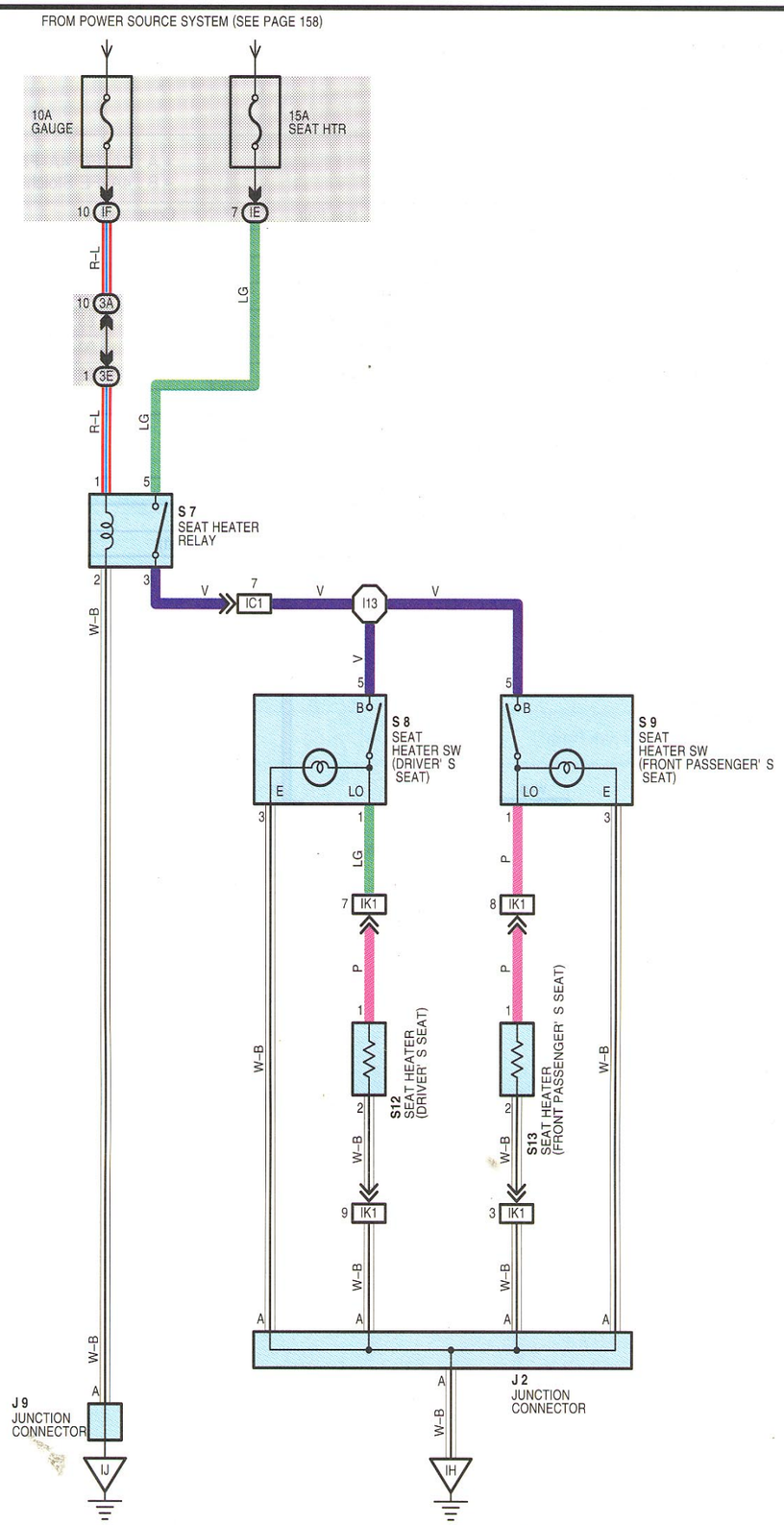
C13 BLACK



H9 BLACK

H10 BLACK

SEAT HEATER (LHD)



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)

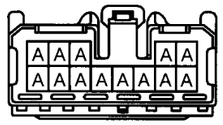
: GROUND POINTS

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

: SPLICE POINTS

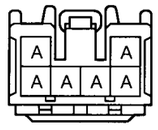
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I13	116 (LHD)	Instrument Panel Wire			

J2 ORANGE



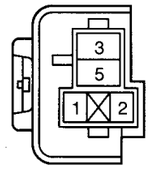
(Hint : See Page 7, 23, 39)

J9

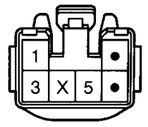


(Hint : See Page 7, 23, 39)

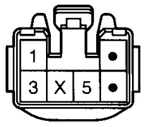
S7



S8 BLUE



S9

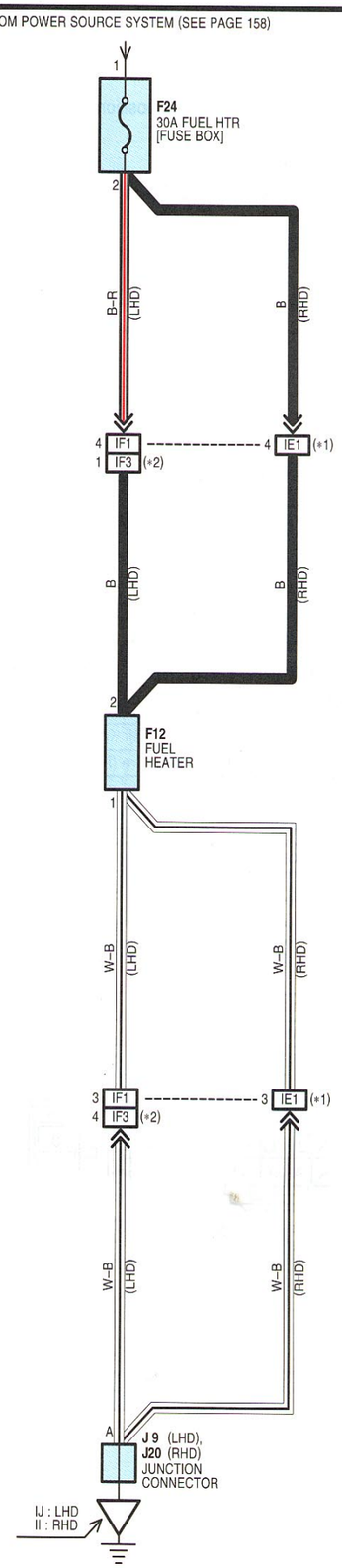


S12 BLUE

S13

FUEL HEATER

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



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)	J9	78 (LHD)		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

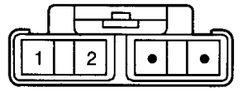
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	132 (RHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF1	114 (LHD)	
IF3		

▽ : GROUND POINTS

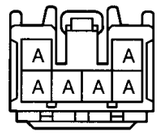
Code	See Page	Ground Points Location
II	132 (RHD)	Left Kick Panel
IJ	114 (LHD)	Right Kick Panel

F12 GRAY

F24

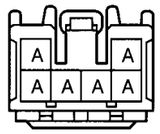


J9



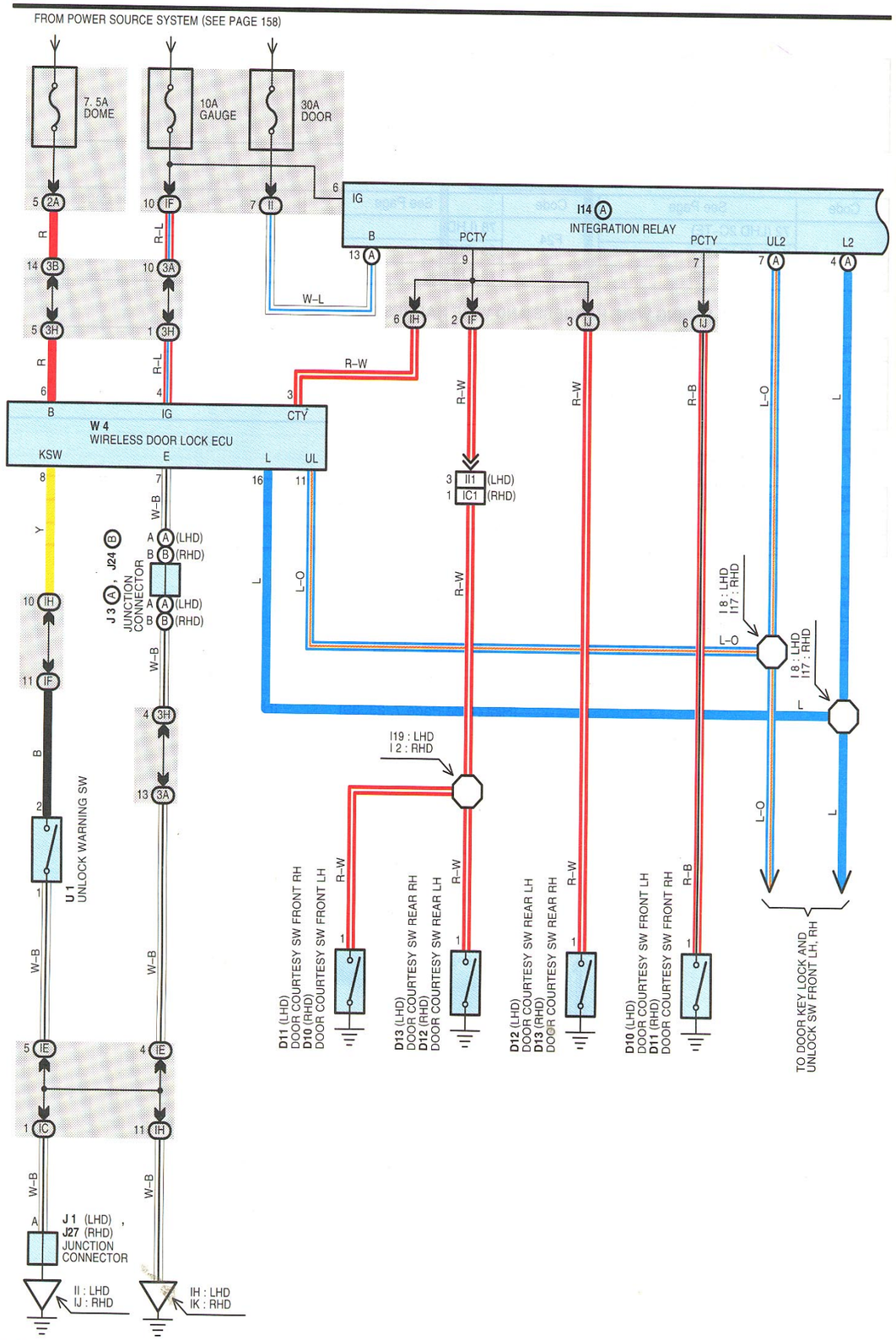
(Hint : See Page 7, 23, 39)

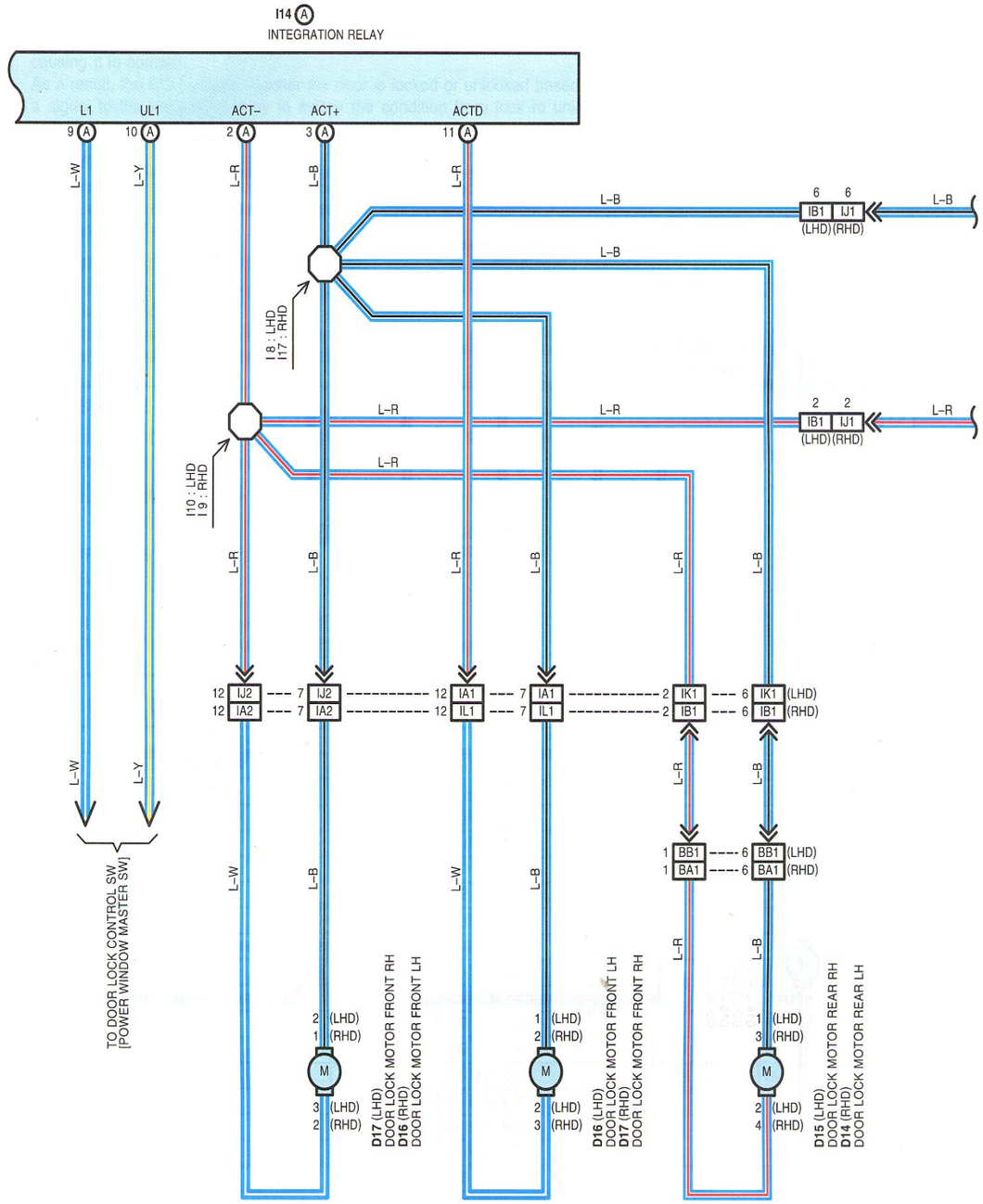
J20



(Hint : See Page 7, 23, 39)

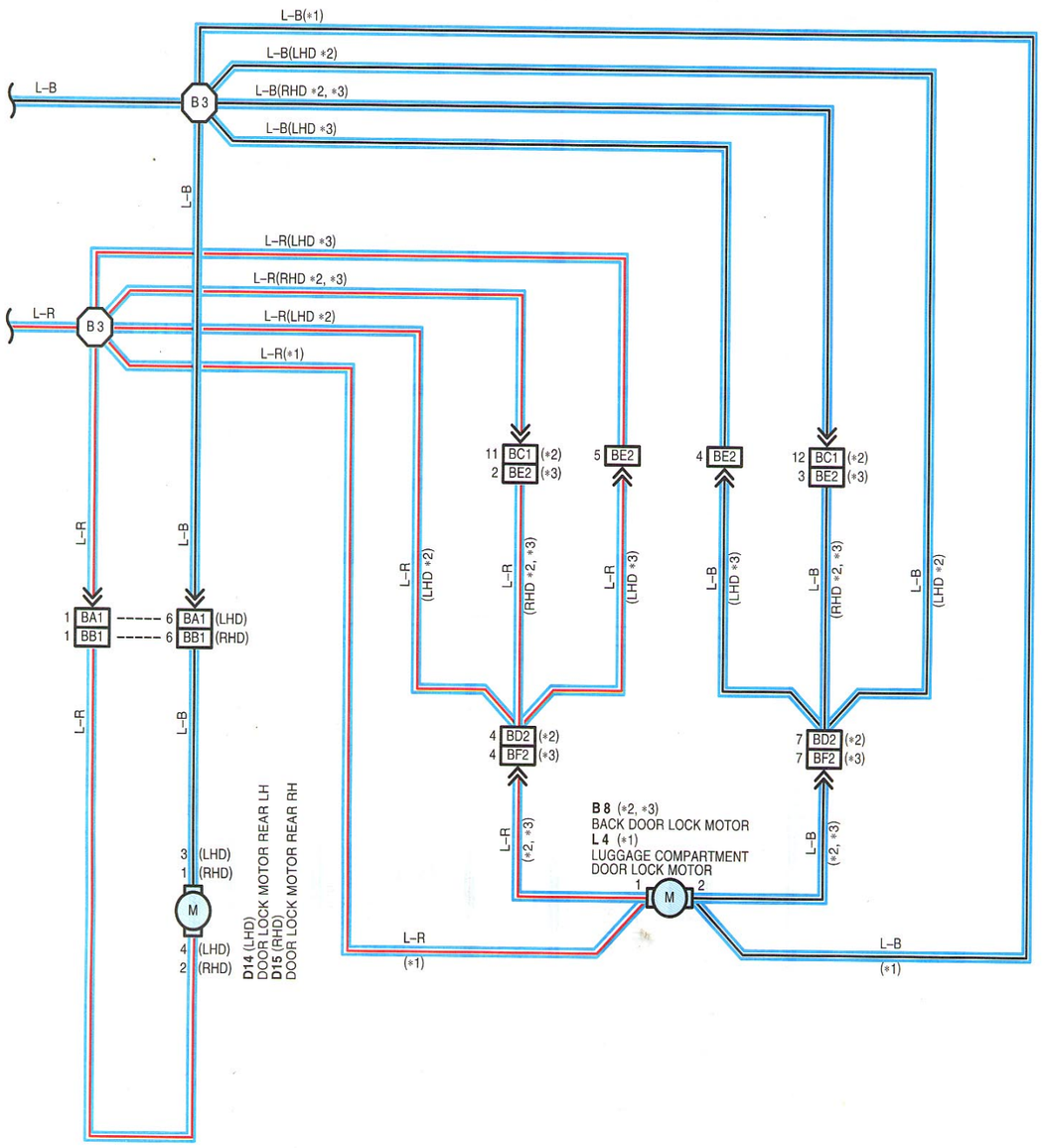
WIRELESS DOOR LOCK CONTROL





WIRELESS DOOR LOCK CONTROL

* 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
B8	82 (LHD L/B)
	84 (LHD W/G)
	100 (RHD L/B)
	102 (RHD W/G)
D10	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D11	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D12	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)

Code	See Page
D13	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D14	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D15	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D16	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)

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

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)	
	140 (RHD W/G)	
BB1	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)	
	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	
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)	

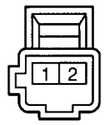
: GROUND POINTS

Code	See Page	Ground Points Location
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

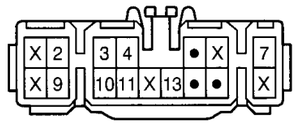
D14 BLACK

D15 BLACK

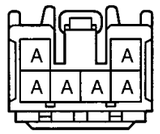
D16 BLACK

D17 BLACK

I14 (A) ORANGE

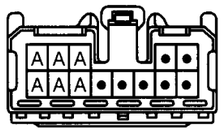


J1



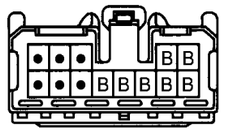
(Hint : See Page 7, 23, 39)

J3 (A) GRAY



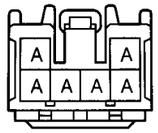
(Hint : See Page 7, 23, 39)

J24 (B) GRAY



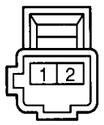
(Hint : See Page 7, 23, 39)

J27

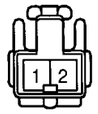


(Hint : See Page 7, 23, 39)

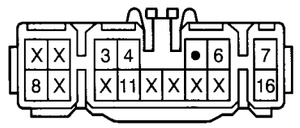
(S/D) L4



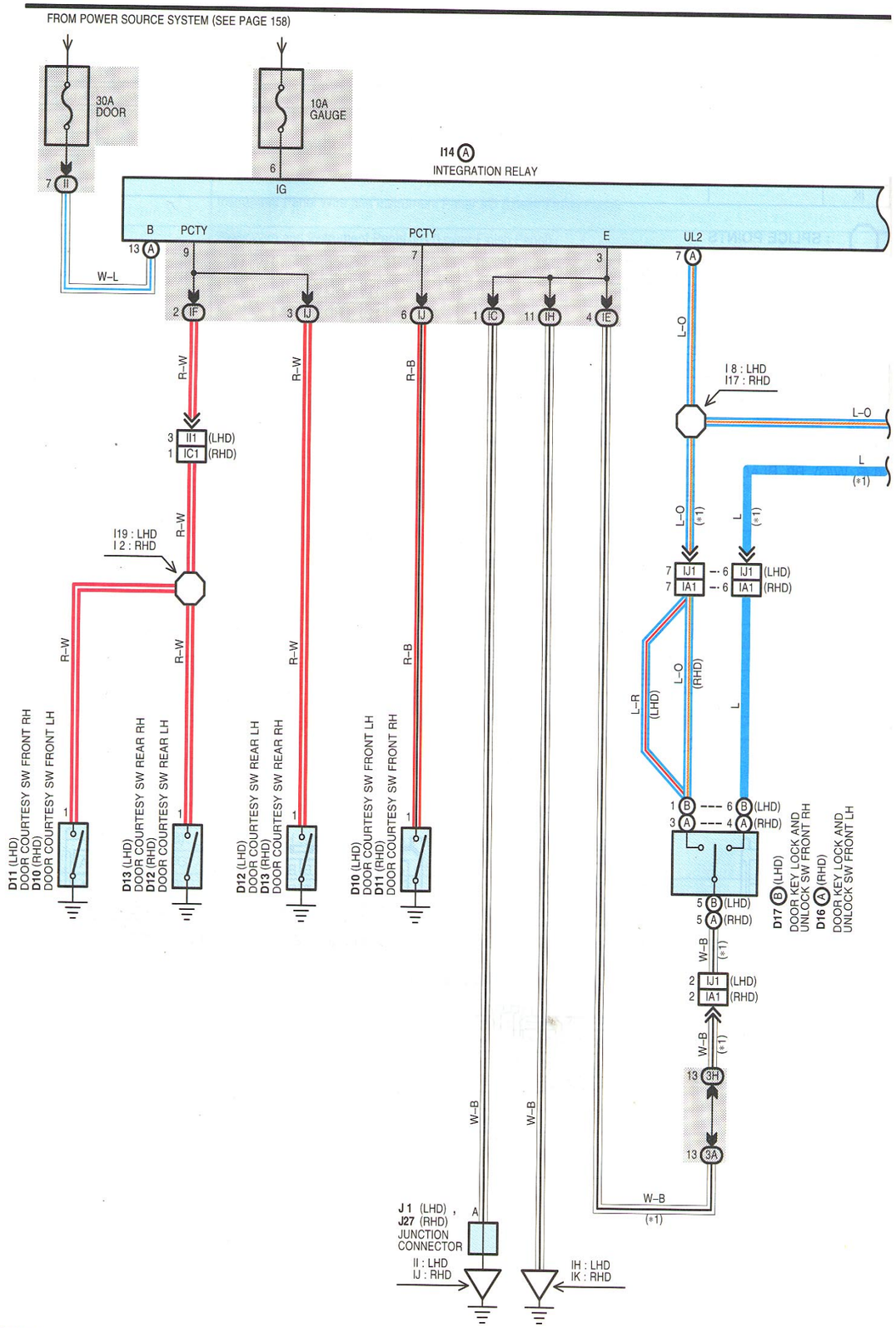
U1 BLACK

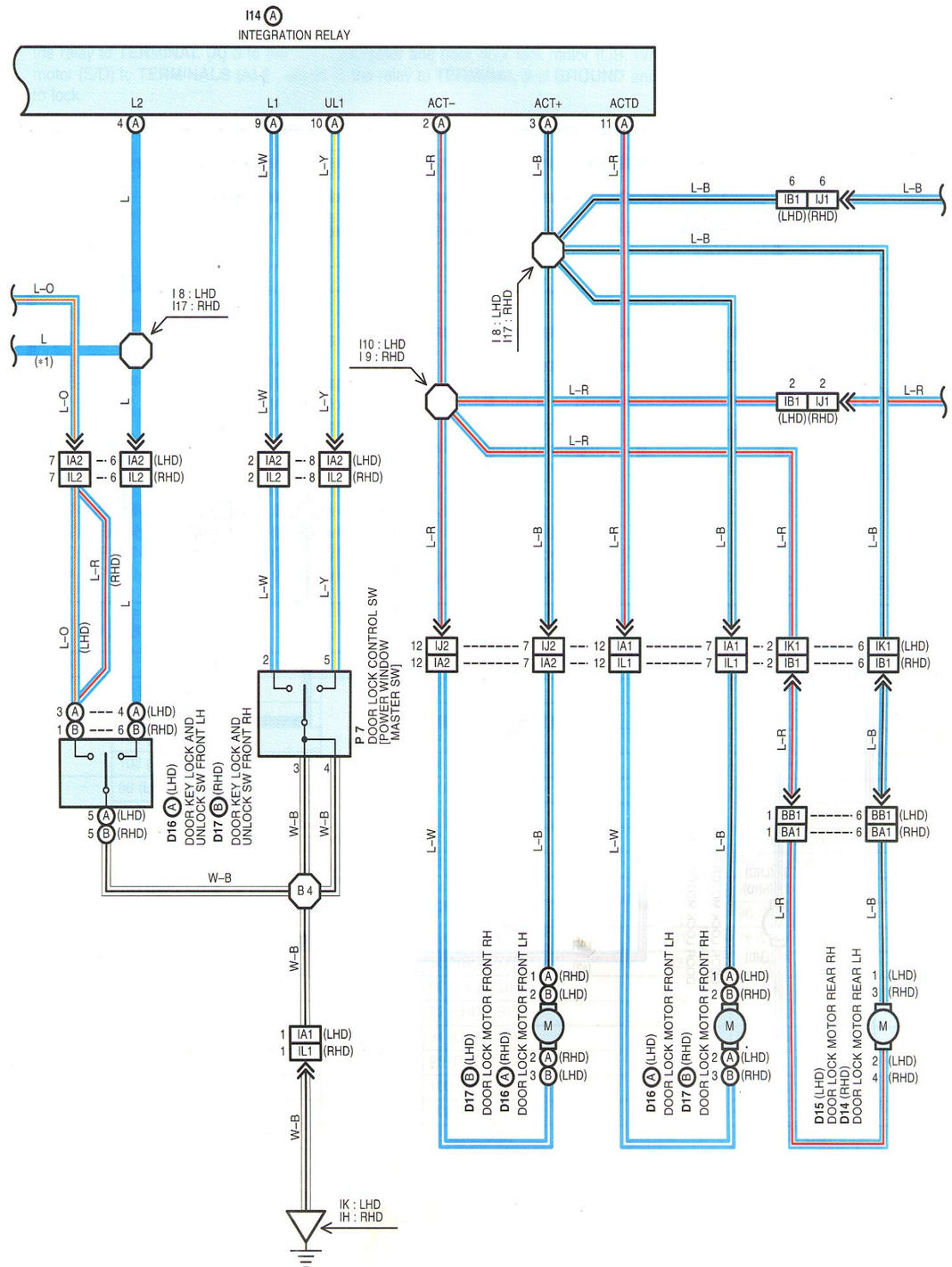


W4



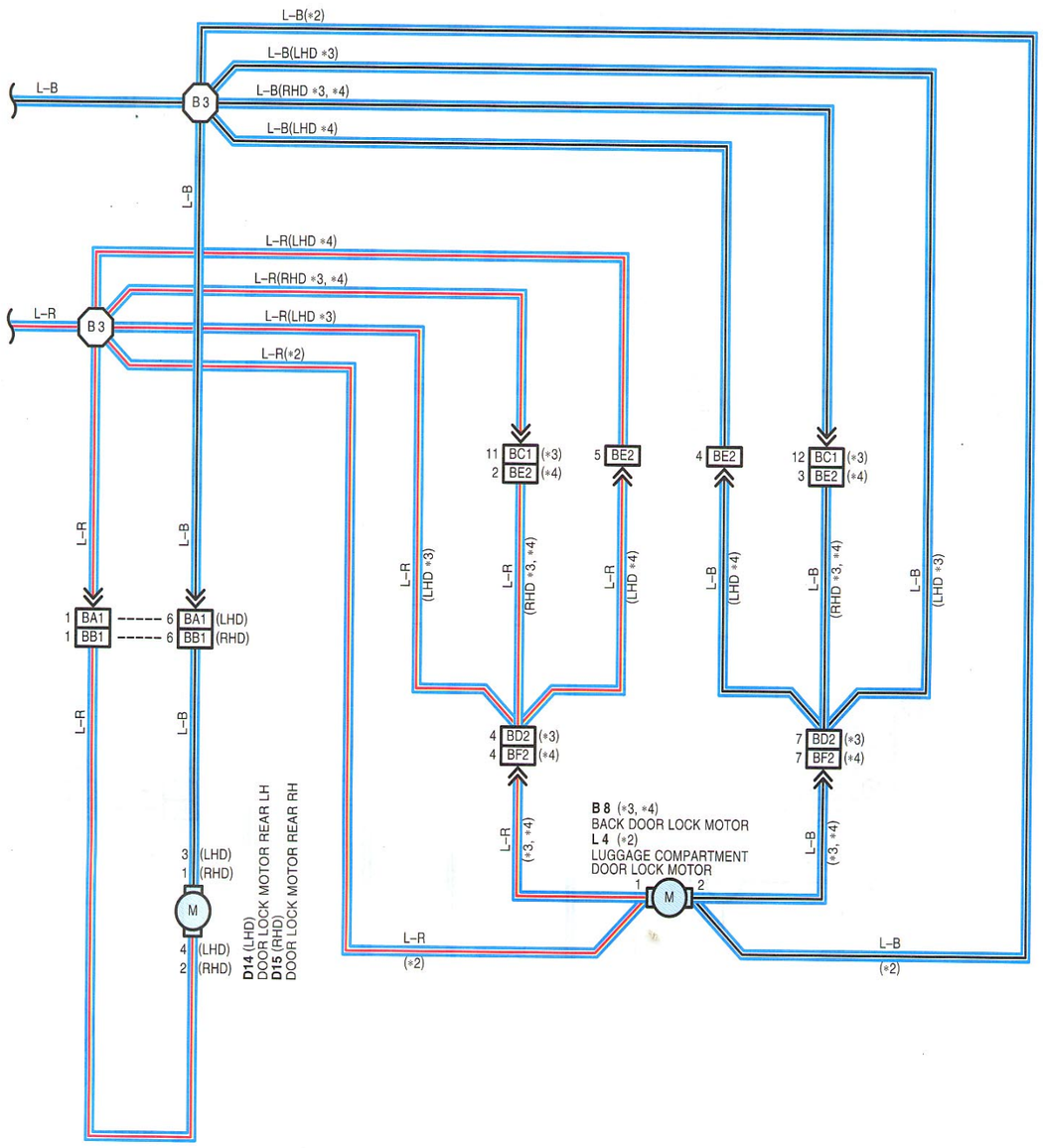
DOOR LOCK CONTROL





DOOR LOCK CONTROL

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



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
B8	82 (LHD L/B)
	84 (LHD W/G)
	100 (RHD L/B)
	102 (RHD W/G)
D10	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D11	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D12	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)

Code	See Page
D13	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D14	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D15	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
D16 A	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)

Code	See Page
D16 A	100 (RHD L/B)
	102 (RHD W/G)
D17 B	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	102 (RHD W/G)
I14 A	78 (LHD)
	96 (RHD)
J1	78 (LHD)
J27	96 (RHD)
L4	80 (LHD S/D)
	98 (RHD S/D)
P7	80 (LHD S/D)
	82 (LHD L/B)
	84 (LHD W/G)
	98 (RHD S/D)
	100 (RHD L/B)
	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)
	138 (RHD L/B)	
	140 (RHD W/G)	
BB1	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)	
	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	
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)	

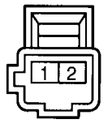
: GROUND POINTS

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

(L/B, W/G) B8 BLACK



D10

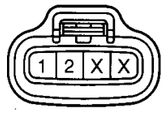
D11

D12

D13

D14 BLACK

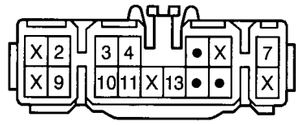
D15 BLACK



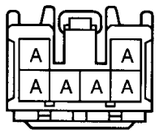
D16 (A) BLACK

D17 (B) BLACK

I14 (A) ORANGE

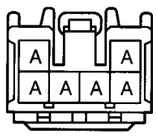


J1



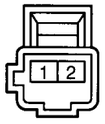
(Hint : See Page 7, 23, 39)

J27

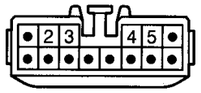


(Hint : See Page 7, 23, 39)

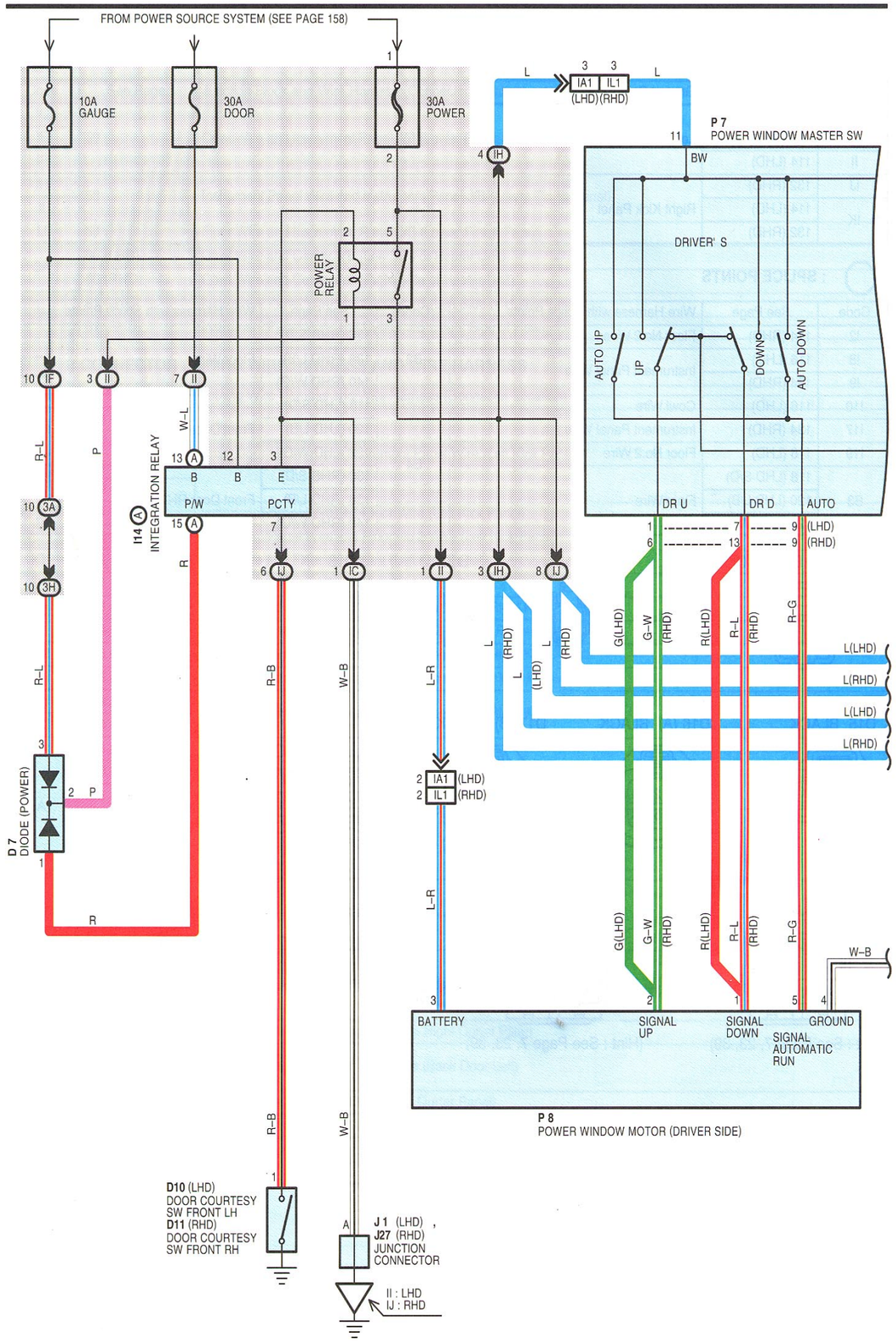
(S/D) L4

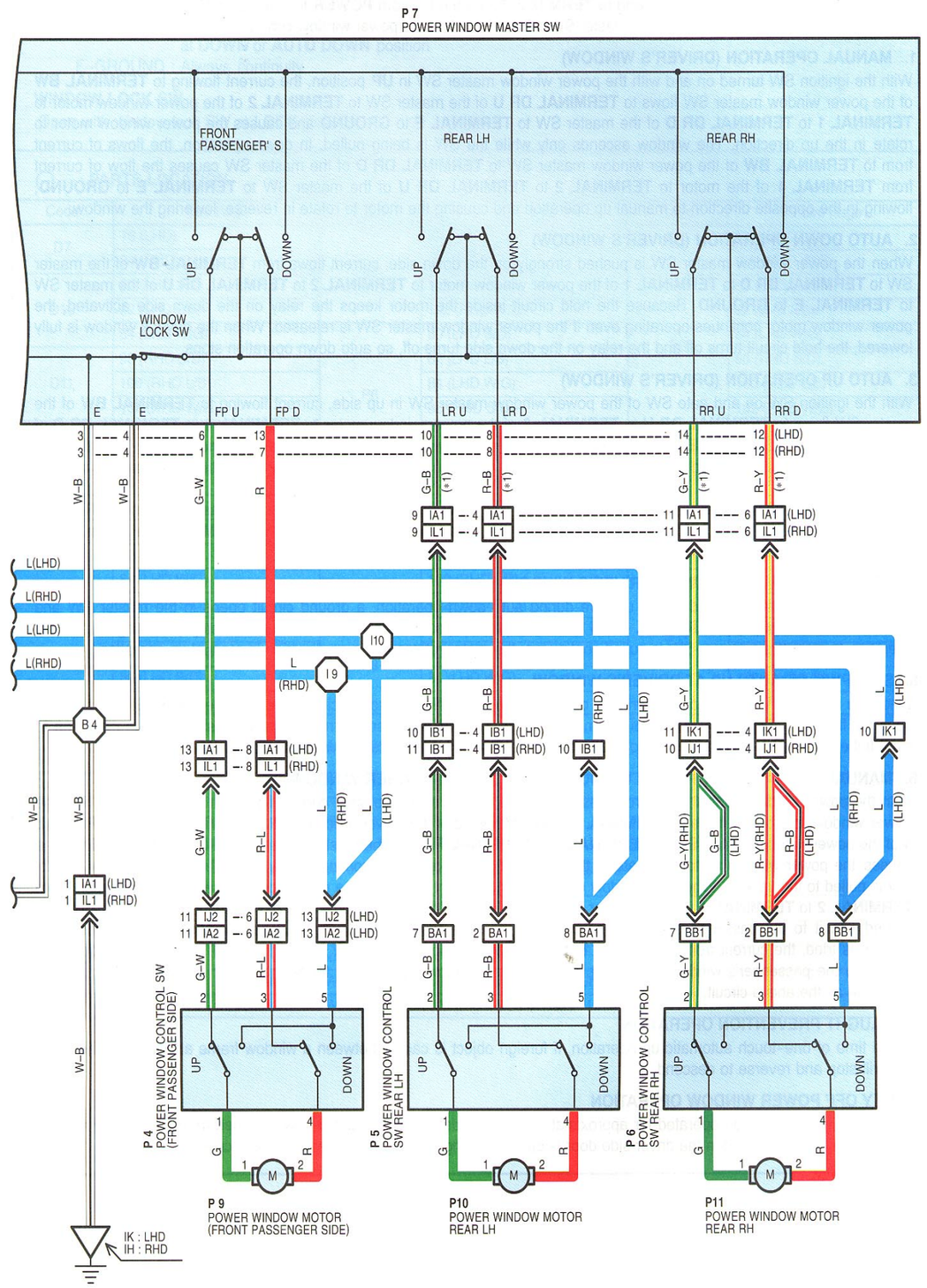


P7



POWER WINDOW





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)		100 (RHD L/B)	P9	80 (LHD S/D)
	82 (LHD L/B)		102 (RHD W/G)		82 (LHD L/B)
	84 (LHD W/G)	P6	80 (LHD S/D)		84 (LHD W/G)
D11	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)
I14 A	78 (LHD)		100 (RHD L/B)	P10	80 (LHD S/D)
	96 (RHD)		102 (RHD W/G)		82 (LHD L/B)
J1	78 (LHD)	P7	80 (LHD S/D)		84 (LHD W/G)
J27	96 (RHD)		82 (LHD L/B)		98 (RHD S/D)
P4	80 (LHD S/D)		84 (LHD W/G)		100 (RHD L/B)
	82 (LHD L/B)		98 (RHD S/D)		102 (RHD W/G)
	84 (LHD W/G)		100 (RHD L/B)	P11	80 (LHD S/D)
	98 (RHD S/D)		102 (RHD W/G)		82 (LHD L/B)
	100 (RHD L/B)	P8	80 (LHD S/D)		84 (LHD W/G)
	102 (RHD W/G)		82 (LHD L/B)		98 (RHD S/D)
P5	80 (LHD S/D)		84 (LHD W/G)		100 (RHD L/B)
	82 (LHD L/B)		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)
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)	
	140 (RHD W/G)	
BB1	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)	
	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	

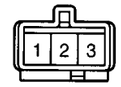
: GROUND POINTS

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)	

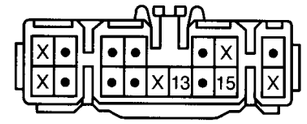
D7 ORANGE



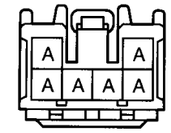
D10

D11

I14 (A) ORANGE

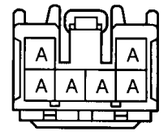


J1



(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

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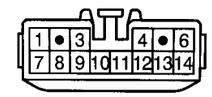
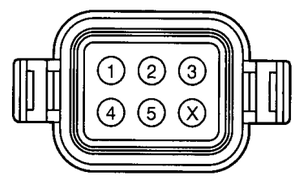
P6 BLACK

P7



P8 GRAY



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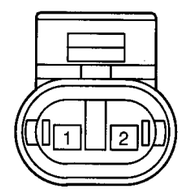

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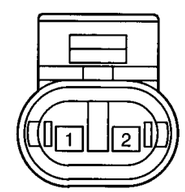

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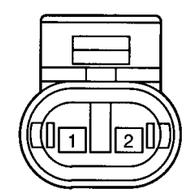
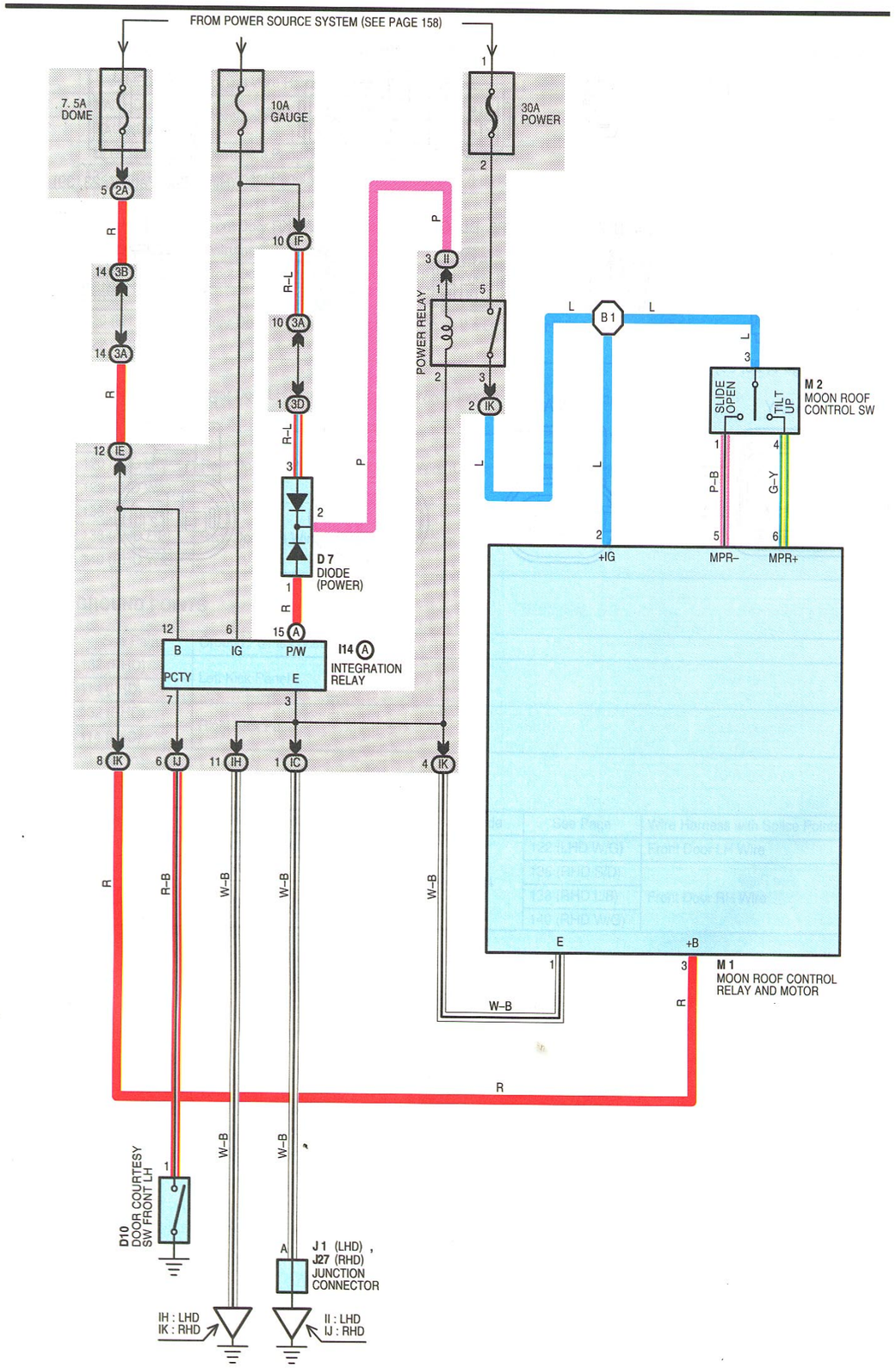


MOON ROOF



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

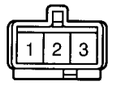
Code	See Page	Ground Points Location
IH	114 (LHD)	Left Kick Panel
II		
IJ	132 (RHD)	Right Kick Panel
IK		

: 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)	

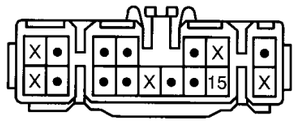
MOON ROOF

D7 ORANGE

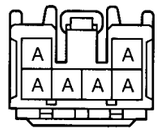


D10

I14 (A) ORANGE

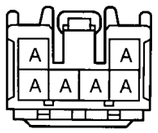


J1



(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)

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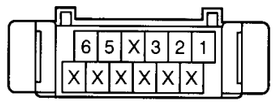
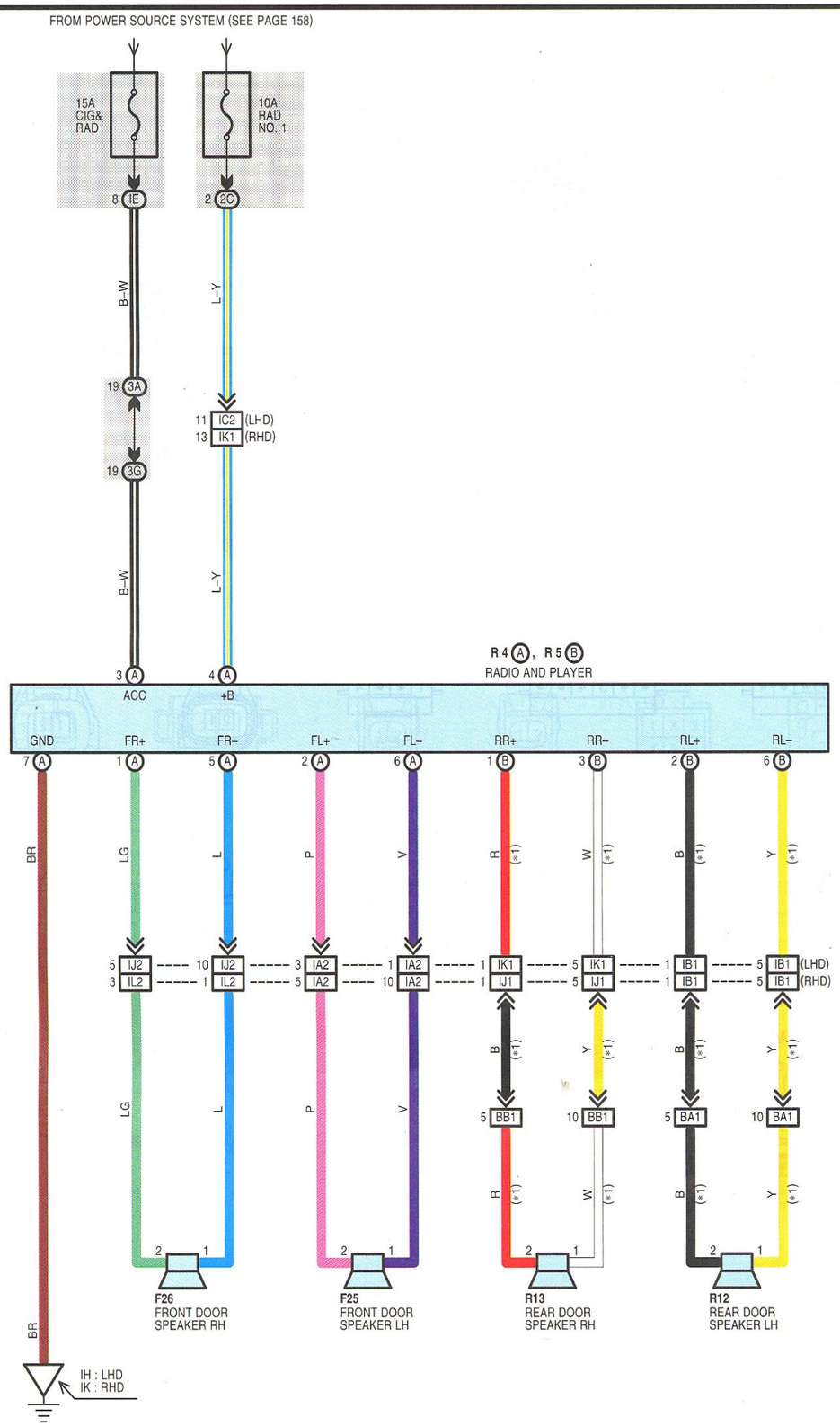


M2

RADIO AND PLAYER

* 1 : W/ 4 SPEAKER



SERVICE HINTS

R4 (A) RADIO AND PLAYER

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

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
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)

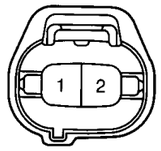
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

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)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	
BB1	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)	
	136 (RHD S/D)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
	138 (RHD L/B)	
	140 (RHD W/G)	

▽ : **GROUND POINTS**

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

F25 BLACK



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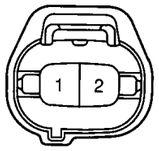
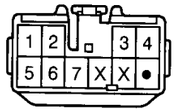
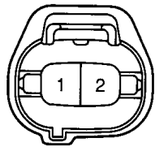


R4 (A)



R5 (B)

R12 BLACK



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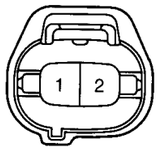
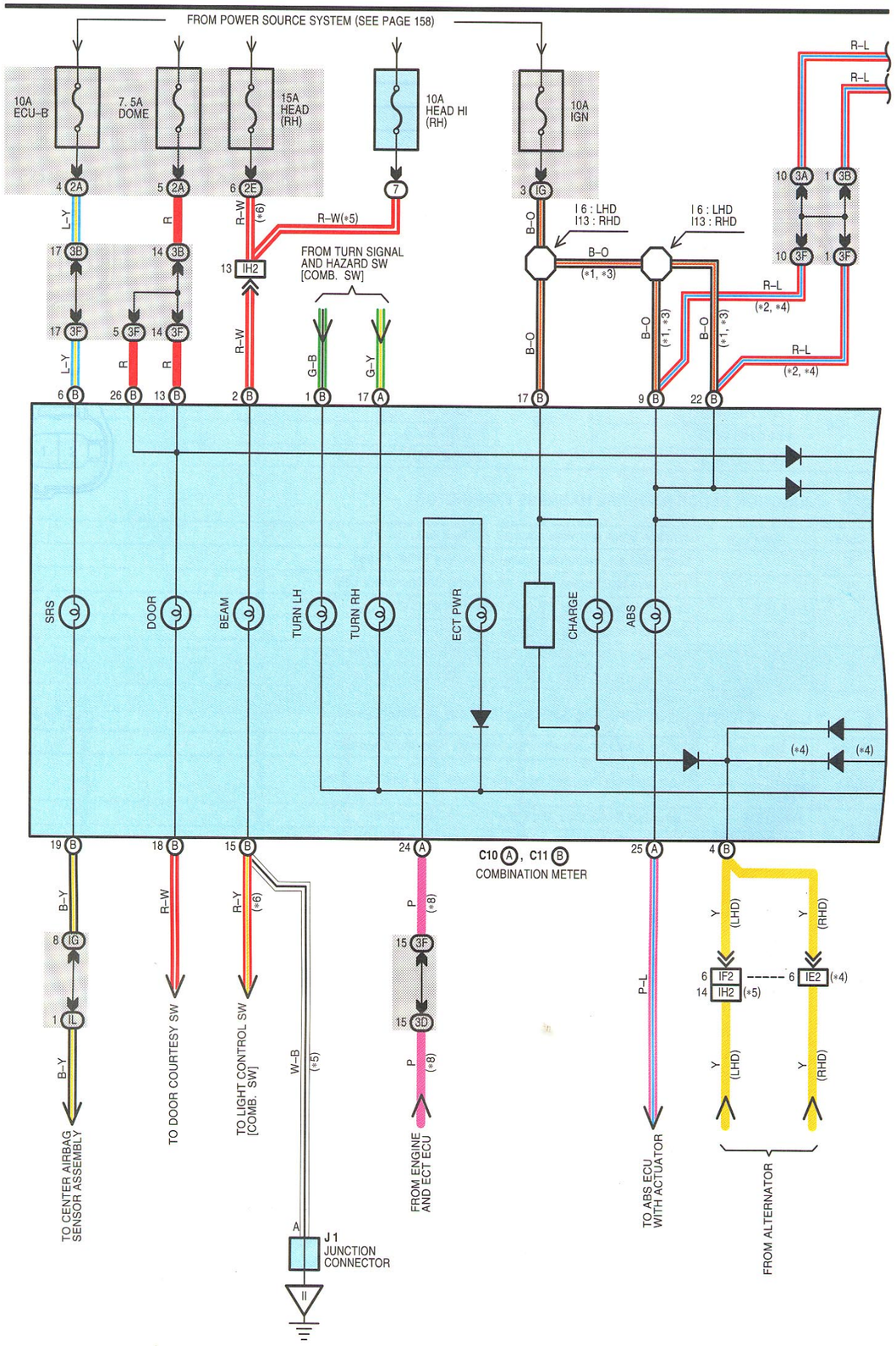
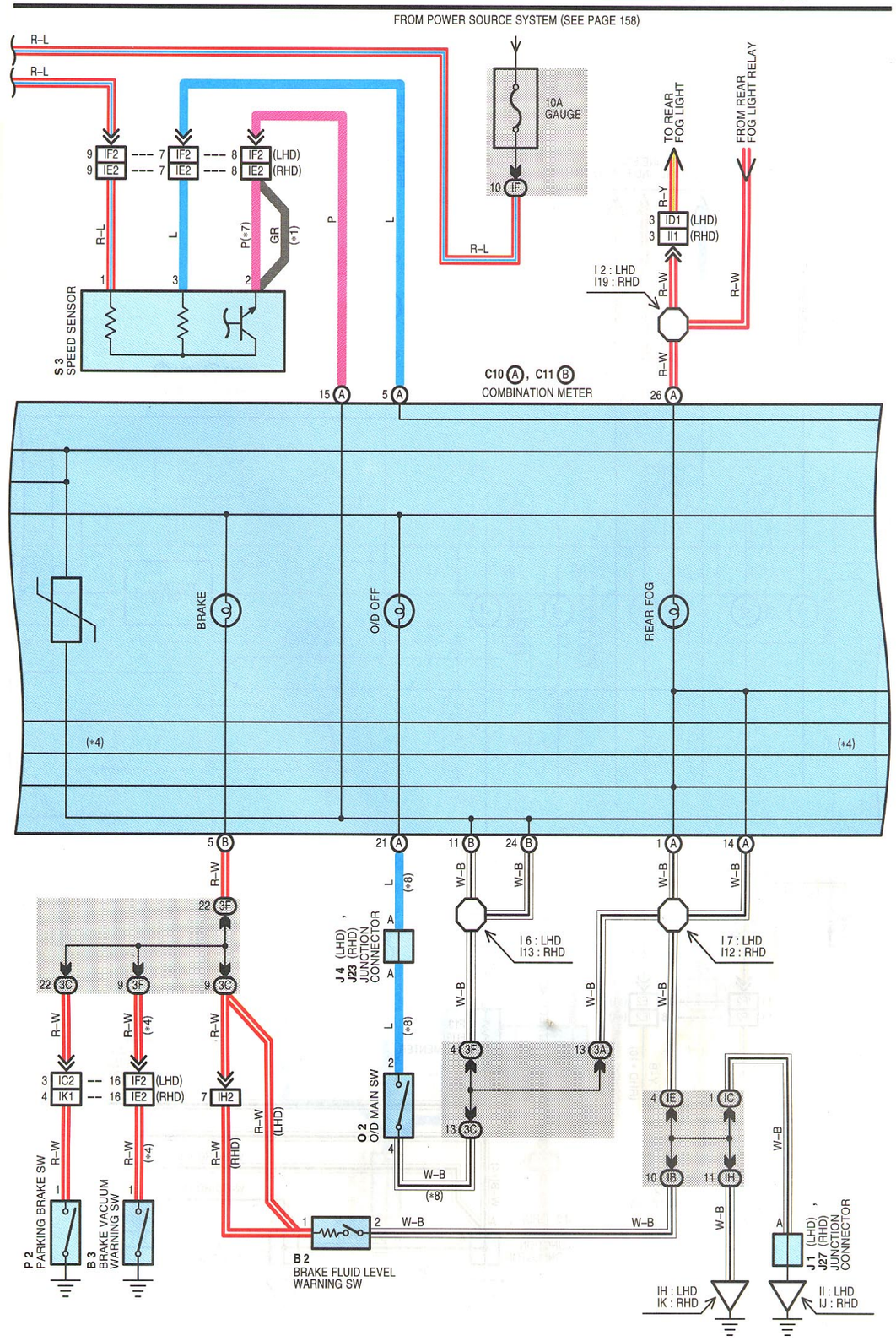


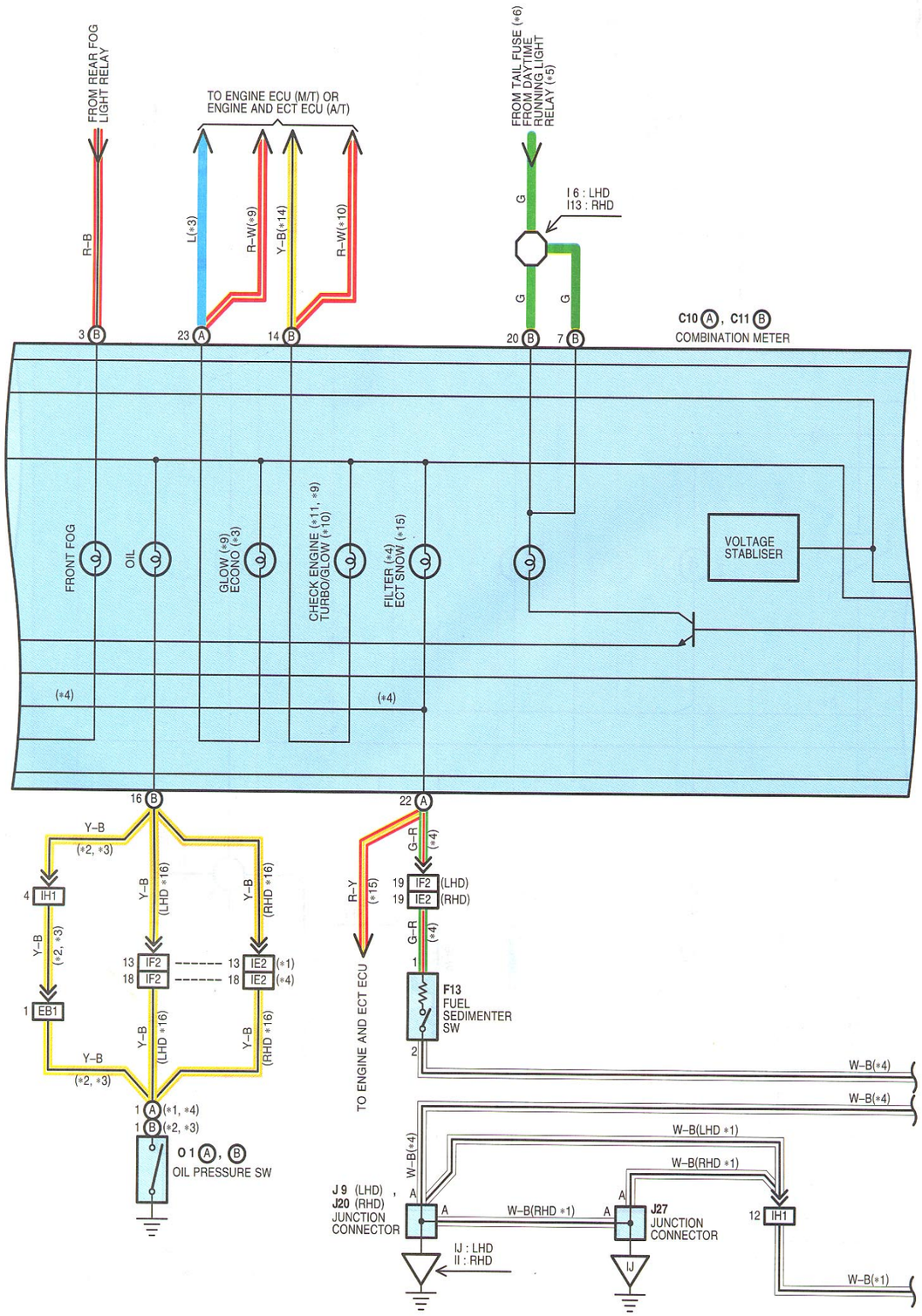
COMBINATION METER



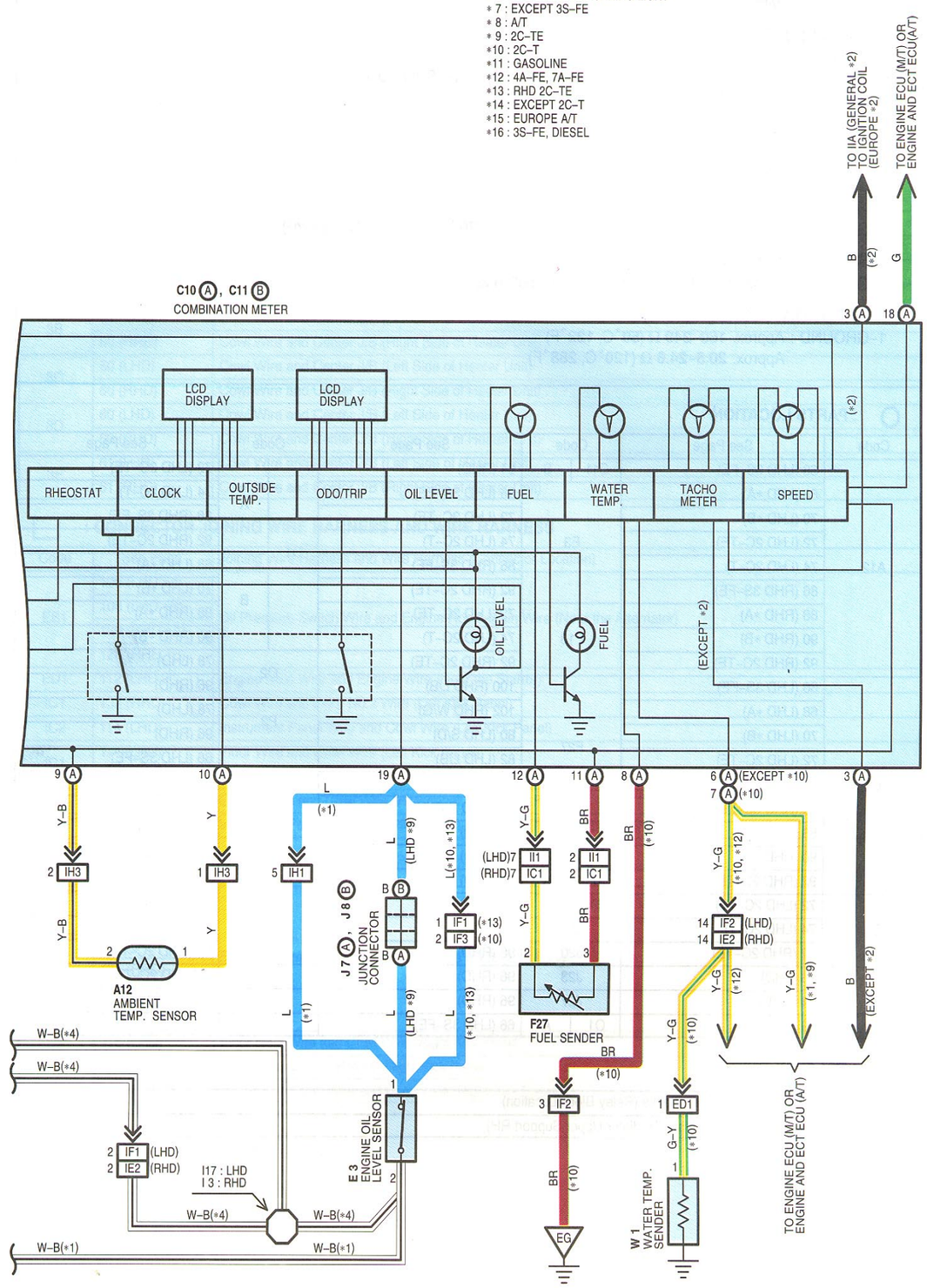
* 1 : 3S-FE
* 2 : STOICHIOMETRIC TYPE
* 3 : LEAN BURN TYPE
* 4 : DIESEL
* 5 : W/ DAYTIME RUNNING LIGHT
* 6 : W/O DAYTIME RUNNING LIGHT
* 7 : EXCEPT 3S-FE
* 8 : A/T



COMBINATION METER



* 1 : 3S–FE
* 2 : STOICHIOMETRIC TYPE
* 3 : LEAN BURN TYPE
* 4 : DIESEL
* 5 : W/ DAYTIME RUNNING LIGHT
* 6 : W/O DAYTIME RUNNING LIGHT
* 7 : EXCEPT 3S–FE
* 8 : A/T
* 9 : 2C–TE
*10 : 2C–T
*11 : GASOLINE
*12 : 4A–FE, 7A–FE
*13 : RHD 2C–TE
*14 : EXCEPT 2C–T
*15 : EUROPE A/T
*16 : 3S–FE, DIESEL



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/cm^2)

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 A	72 (LHD 2C-TE)
	68 (LHD *A)	E3	66 (LHD 3S-FE)		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)	O1 B	68 (LHD *A)
	86 (RHD 3S-FE)		92 (RHD 2C-TE)		70 (LHD *B)
	88 (RHD *A)	F13	72 (LHD 2C-TE)		88 (RHD *A)
	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	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
	134 (RHD)	
IH2	116 (LHD)	
	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)

▽ : GROUND POINTS

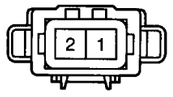
Code	See Page	Ground Points Location
EG	112 (LHD 2C-T)	Near the Starter
IH	114 (LHD)	Left Kick Panel
II	114 (LHD)	
	132 (RHD)	
IJ	114 (LHD)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

○ : SPLICE POINTS

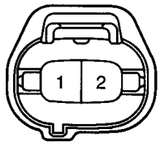
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	116 (LHD)	Cowl Wire	I12	134 (RHD)	Cowl Wire
I3	134 (RHD)	Engine Wire	I13		
I6	116 (LHD)	Cowl Wire	I17	116 (LHD)	Engine Wire
I7			I19	134 (RHD)	Cowl Wire

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

A12 BLACK

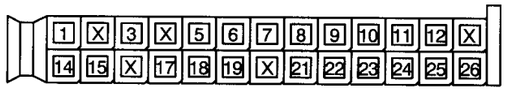


B2 BLACK

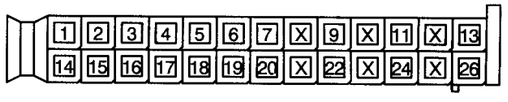


B3 BLACK

C10 (A) BLACK



C11 (B) GREEN

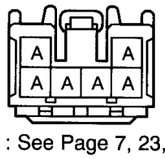


E3 GRAY

F13 GRAY

F27 DARK GRAY

J1

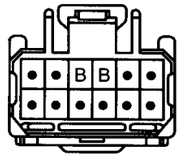


(Hint : See Page 7, 23, 39)

J4 BLUE

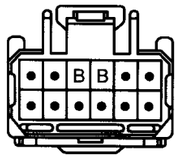
(Hint : See Page 7, 23, 39)

J7 (A) BLUE



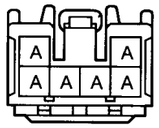
(Hint : See Page 7, 23, 39)

J8 (B) BLUE



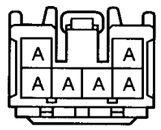
(Hint : See Page 7, 23, 39)

J9



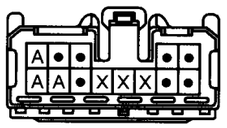
(Hint : See Page 7, 23, 39)

J20



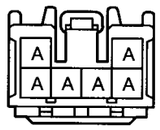
(Hint : See Page 7, 23, 39)

J23 BLUE



(Hint : See Page 7, 23, 39)

J27

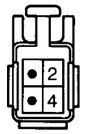


(Hint : See Page 7, 23, 39)

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

(* 1) O1 (B) BLACK

O2

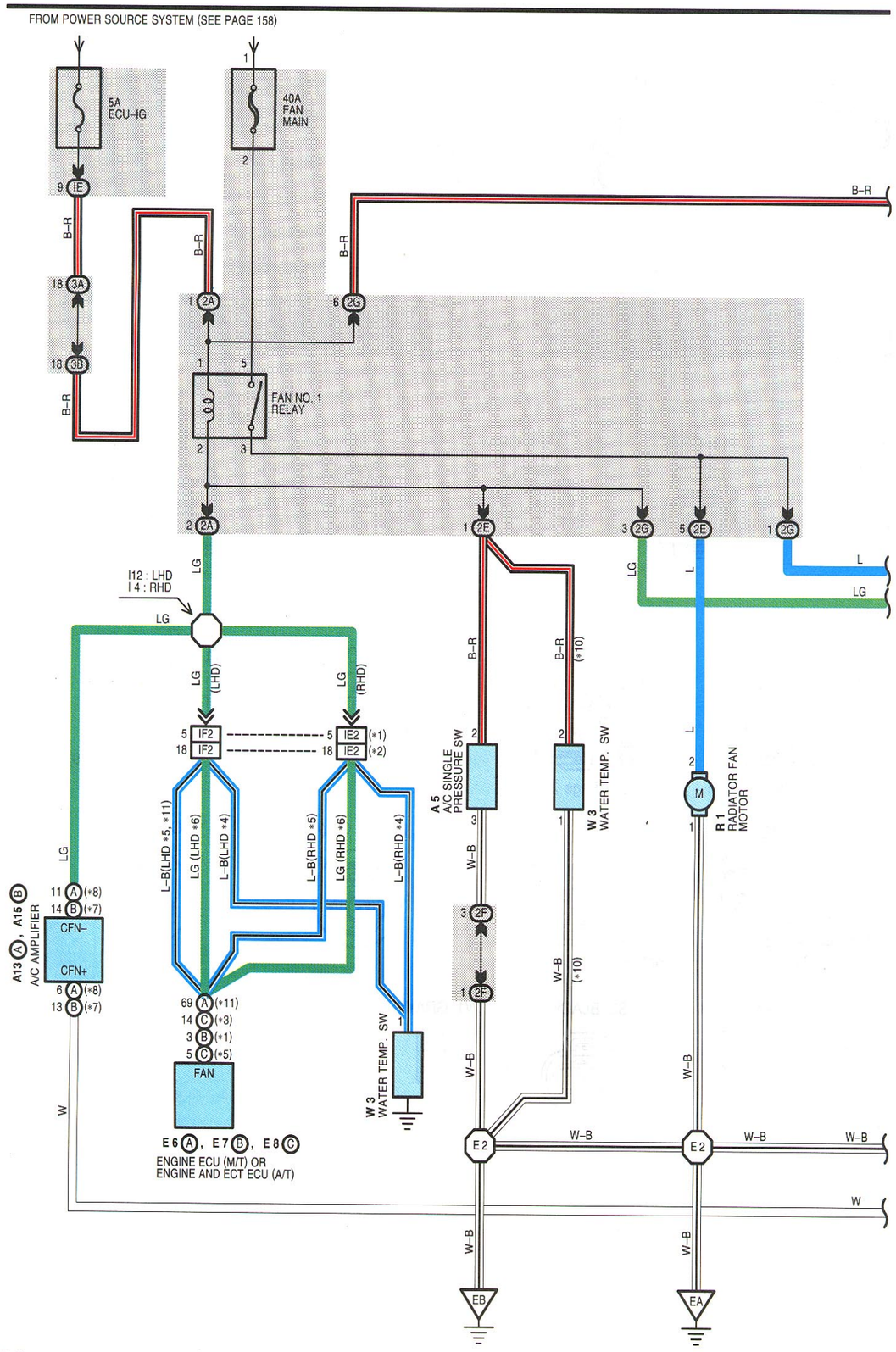


P2 BLACK

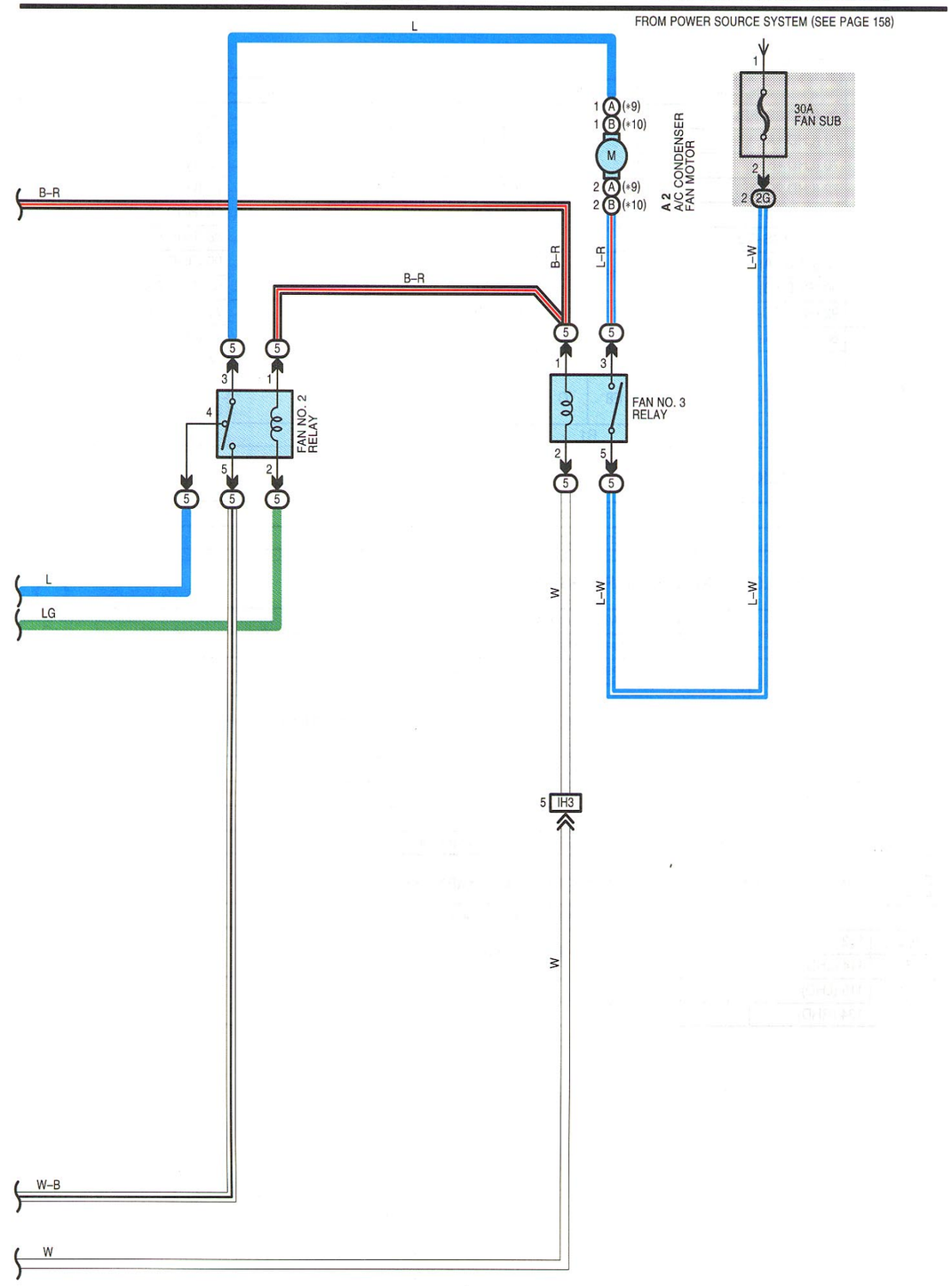
S3 BLACK

W1 GRAY

RADIATOR FAN AND CONDENSER FAN



* 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



RADIATOR FAN AND CONDENSER FAN

: 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	70 (LHD *B)
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		66 (LHD 3S-FE)		

: 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)	

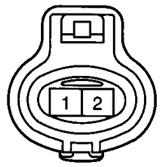
: SPLICE POINTS

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)				

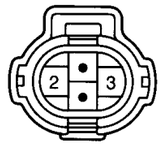
RADIATOR FAN AND CONDENSER FAN

(Gasoline) A2 BLACK

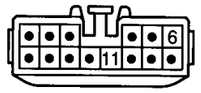
(Diesel) A2 GRAY



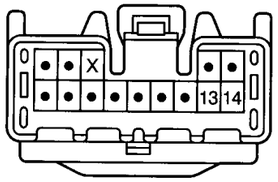
A5 DARK GRAY



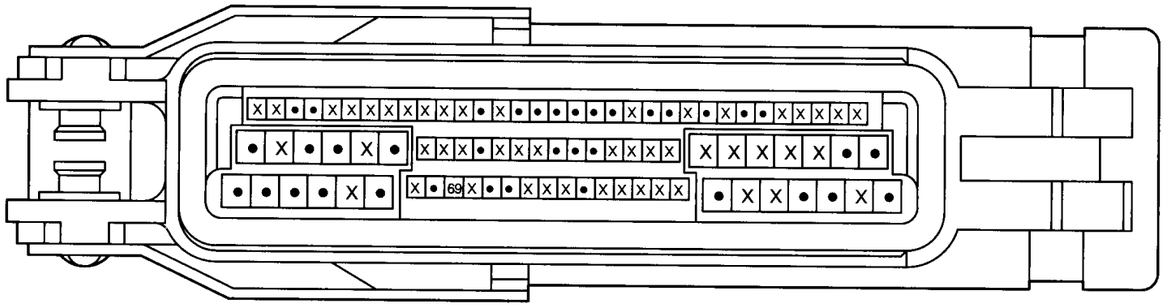
A13 (A) BLACK



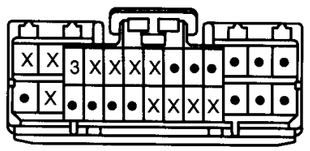
A15 (B) ORANGE



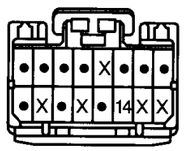
E6 (A) BLACK



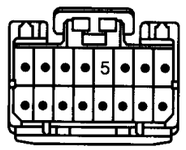
(2C-TE) E7 (B)



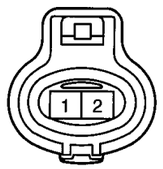
(3S-FE) E8 (C)



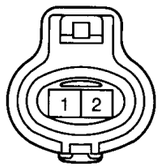
(Lean Burn Type) E8 (C)



(Gasoline) R1 BLACK



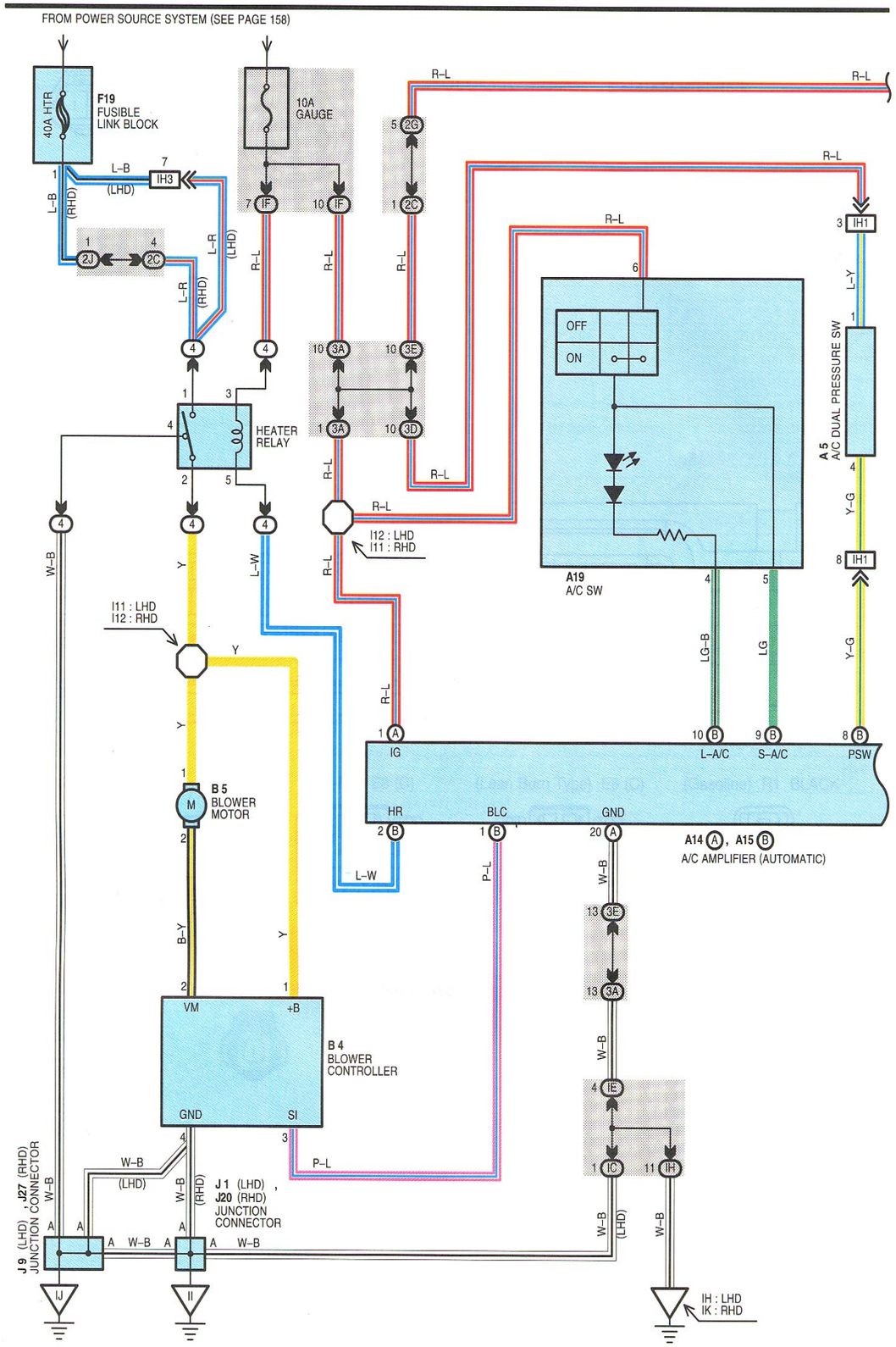
(Diesel) R1 GRAY

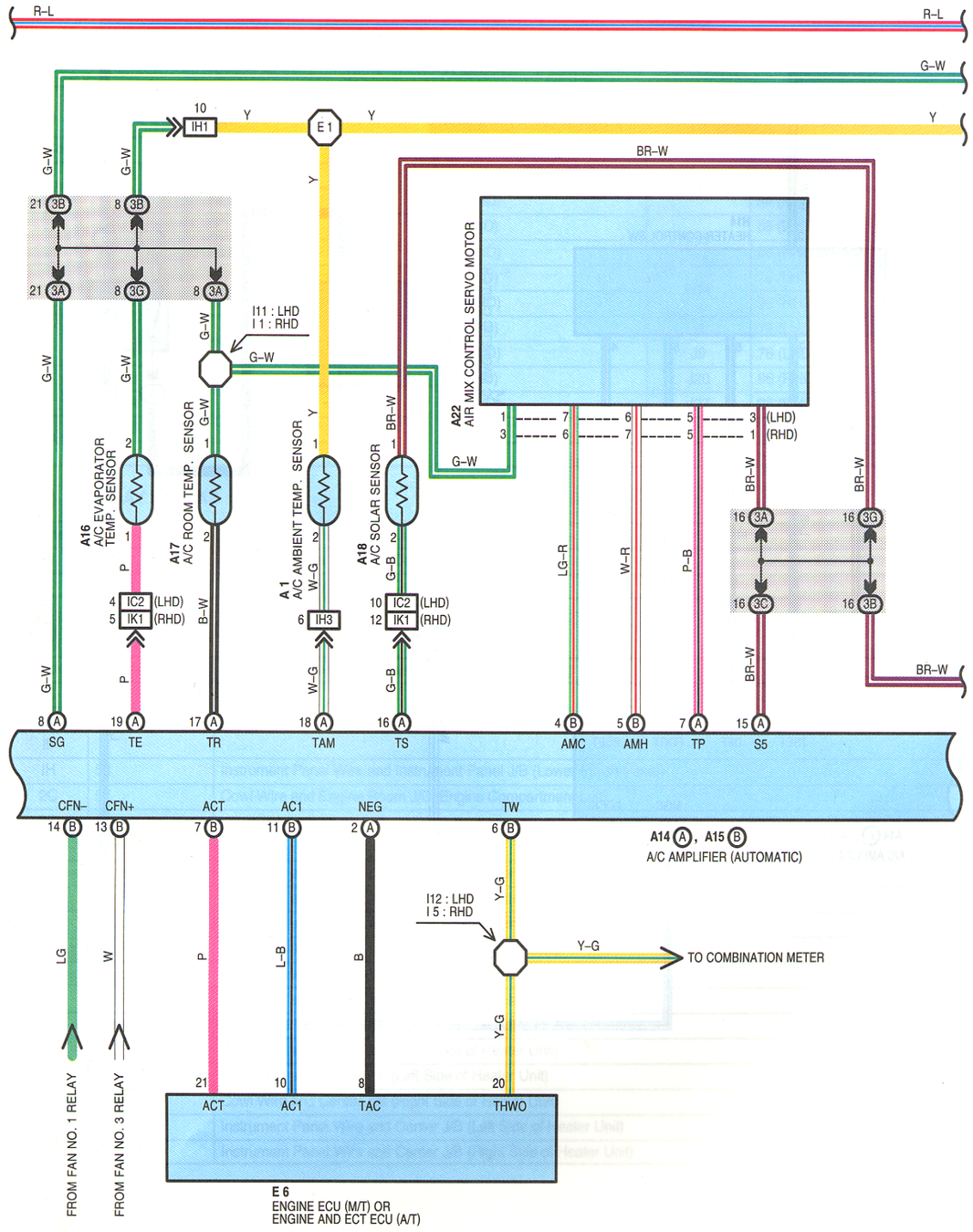


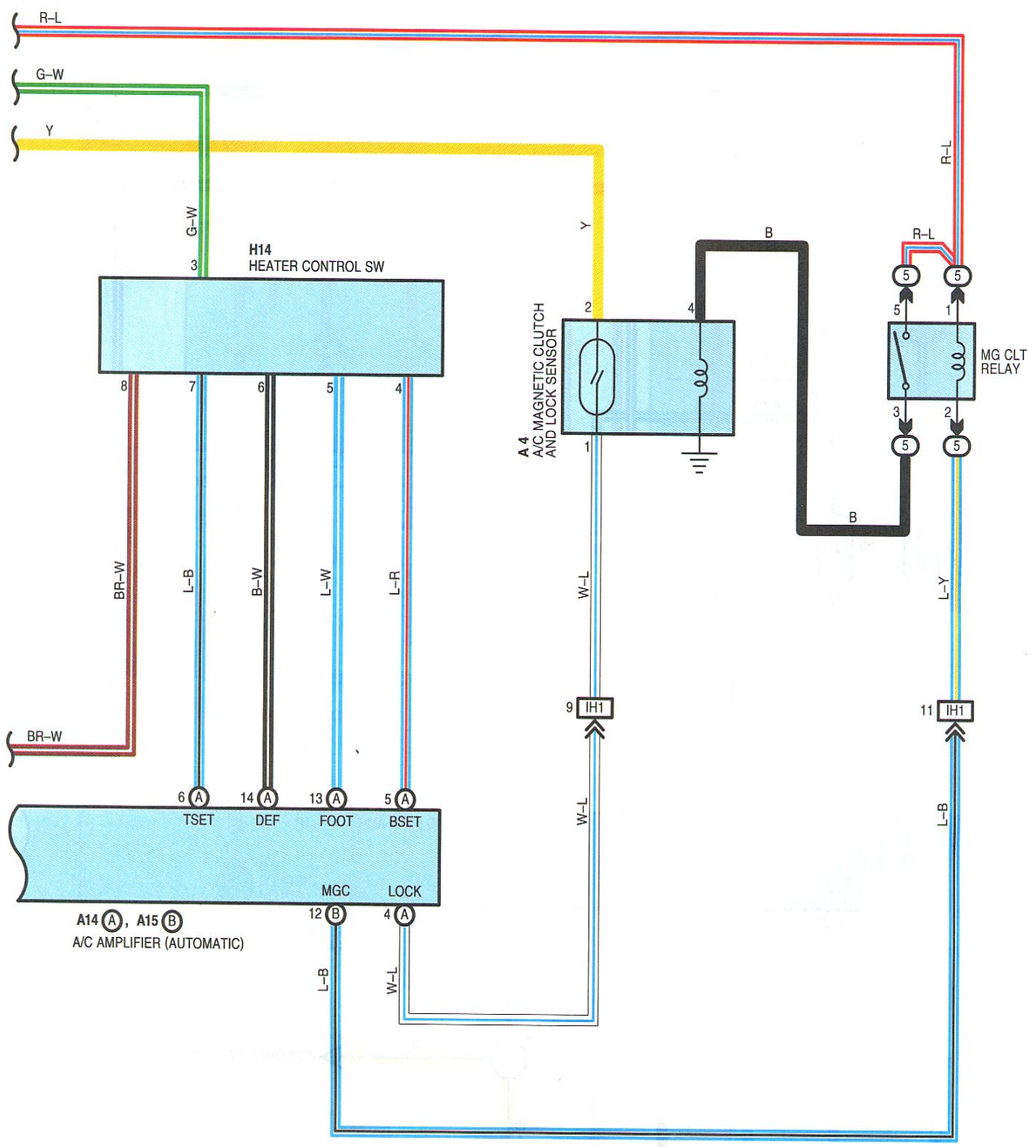
(Gasoline) W3 GRAY

(Diesel) W3

AUTOMATIC AIR CONDITIONER







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)	J9	78 (LHD)
A15	B	76 (LHD)	B4	76 (LHD)	J20	96 (RHD)
		94 (RHD)		94 (RHD)	J27	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)	
	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)	Right Kick Panel
	132 (RHD)	
IK	132 (RHD)	

: SPLICE POINTS

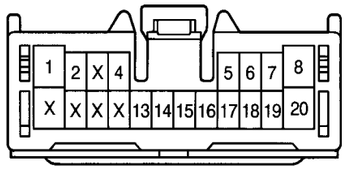
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	104 (LHD 3S-FE)	Engine Room Main Wire	I11	116 (LHD)	Cowl Wire
	124 (RHD 3S-FE)			134 (RHD)	
I1	134 (RHD)	Cowl Wire	I12	116 (LHD)	
I5				134 (RHD)	

A1 BLACK

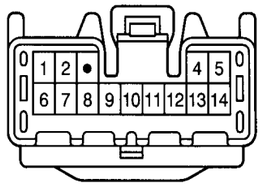
A4 GARY

A5 DARK GRAY

A14 (A) ORANGE



A15 (B) ORANGE

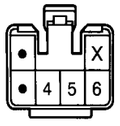


A16

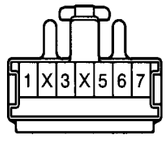
A17 BLACK

A18 BLACK

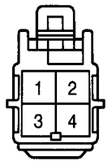
A19 BLACK



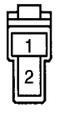
A22 BLACK



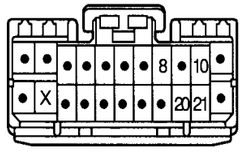
B4



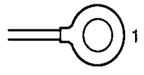
B5 BLACK



E6

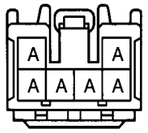


F19



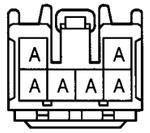
H14

J1



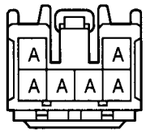
(Hint : See Page 7, 23, 39)

J9



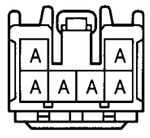
(Hint : See Page 7, 23, 39)

J20

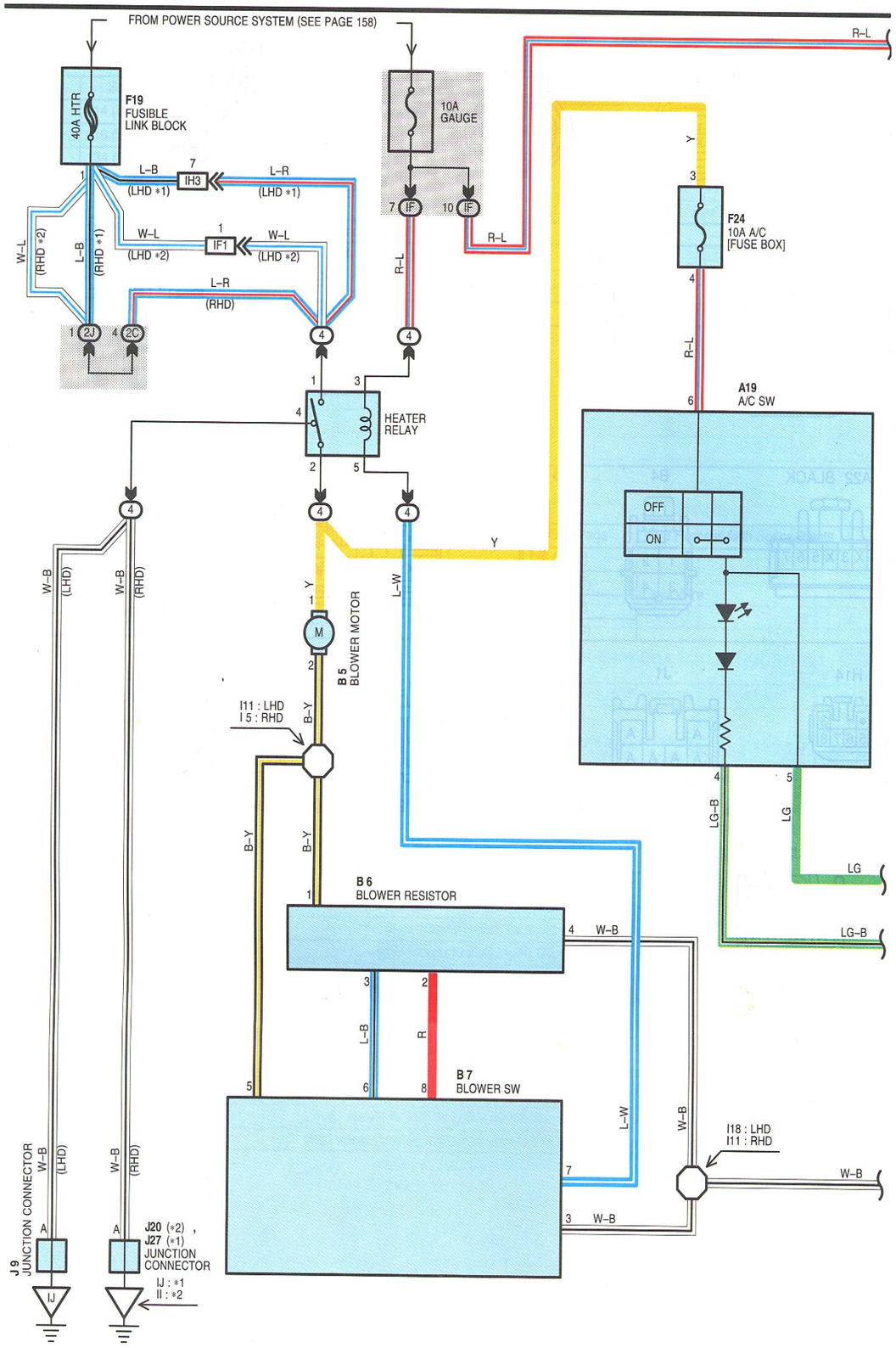


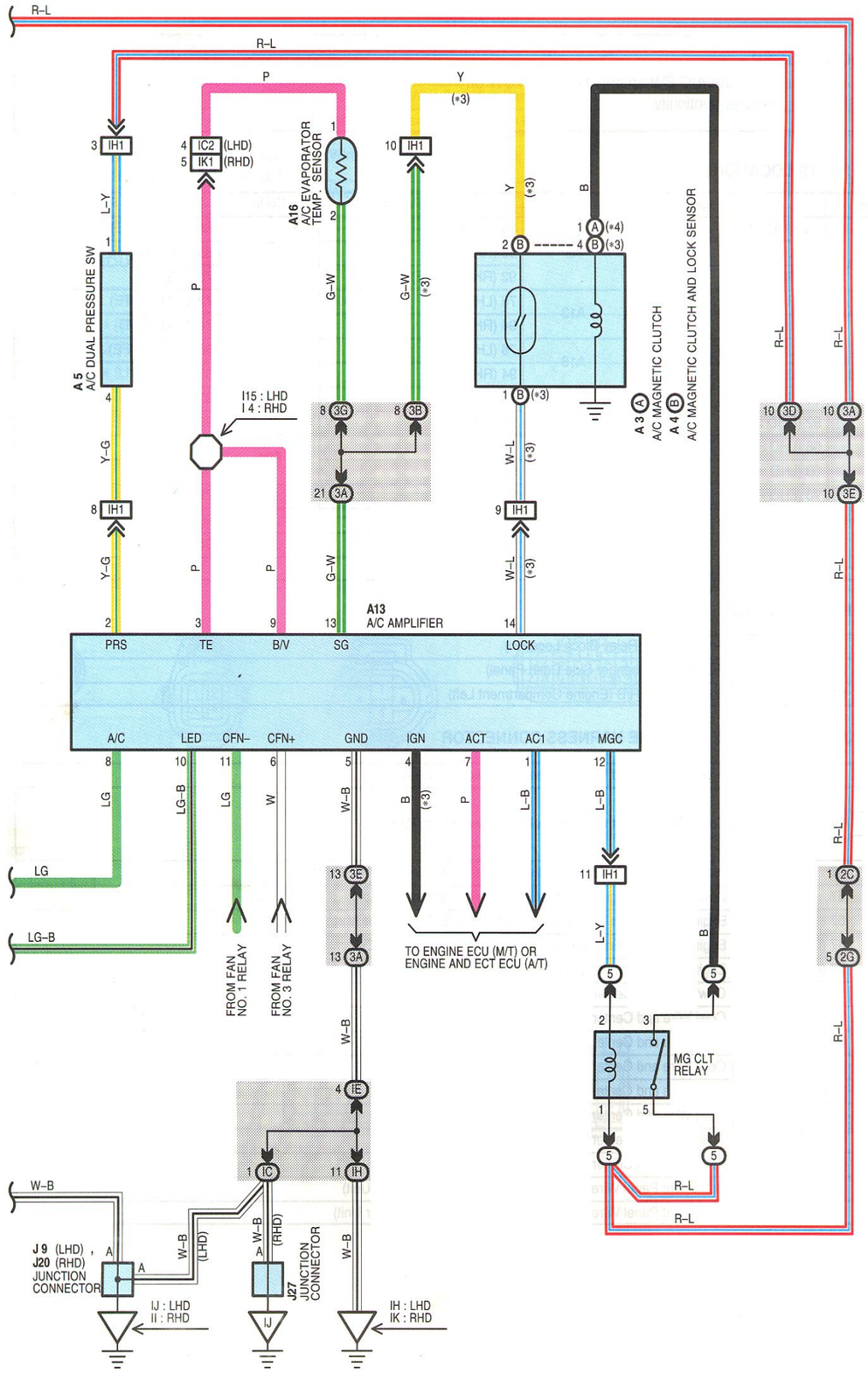
(Hint : See Page 7, 23, 39)

J27



(Hint : See Page 7, 23, 39)


FROM POWER SOURCE SYSTEM (SEE PAGE 158)
F19
FUSIBLE
LINK BLOCK
40A HTR
10A
GAUGE
F24
10A A/C
[FUSE BOX]
A19
A/C SW
OFF
ON
HEATER
RELAY
B 5
BLOWER MOTOR
I11 : LHD
I 5 : RHD
B 6
BLOWER RESISTOR
B 7
BLOWER SW
I18 : LHD
I11 : RHD
J 9
JUNCTION CONNECTOR
J20 (*2) ,
J27 (*1)
JUNCTION
CONNECTOR
IJ : *1
II : *2


A 5
A/C DUAL PRESSURE SW
A16
A/C EVAPORATOR
TEMP. SENSOR
I15 : LHD
I 4 : RHD
A13
A/C AMPLIFIER
PRS
TE
B/V
SG
LOCK
A/C
LED
CFN–
CFN+
GND
IGN
ACT
AC1
MGC
FROM FAN
NO. 1 RELAY
FROM FAN
NO. 3 RELAY
TO ENGINE ECU (M/T) OR
ENGINE AND ECT ECU (A/T)
A 3
A/C MAGNETIC CLUTCH
A 4
A/C MAGNETIC CLUTCH AND LOCK SENSOR
MG CLT
RELAY
J 9 (LHD) ,
J20 (RHD)
JUNCTION
CONNECTOR
IJ : LHD
II : RHD
J27
JUNCTION
CONNECTOR
IH : LHD
IK : RHD

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	66 (LHD 3S-FE)
		70 (LHD *B)		90 (RHD *B)		68 (LHD *A)
		88 (RHD *A)		92 (RHD 2C-TE)		70 (LHD *B)
		90 (RHD *B)	A13	76 (LHD)		72 (LHD 2C-TE)
A4	B	66 (LHD 3S-FE)		94 (RHD)		74 (LHD 2C-T)
		72 (LHD 2C-TE)	A16	76 (LHD)		86 (RHD 3S-FE)
		74 (LHD 2C-T)		94 (RHD)		88 (RHD *A)
		86 (RHD 3S-FE)	A19	76 (LHD)		90 (RHD *B)
		92 (RHD 2C-TE)		94 (RHD)		92 (RHD 2C-TE)
A5		66 (LHD 3S-FE)	B5	76 (LHD)	F24	78 (LHD)
		68 (LHD *A)		94 (RHD)		96 (RHD)
		70 (LHD *B)	B6	76 (LHD)	J9	78 (LHD)
		72 (LHD 2C-TE)		94 (RHD)	J20	96 (RHD)
		74 (LHD 2C-T)	B7	76 (LHD)	J27	96 (RHD)
		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)	

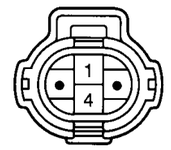
: SPLICE POINTS

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	116 (LHD)		I18	116 (LHD)	Engine Room Main Wire

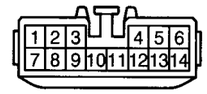
A3 (A) GRAY

A4 (B) GRAY

A5 DARK GRAY

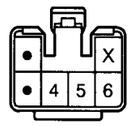


A13 BLACK



A16

A19 BLACK



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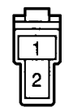

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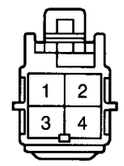

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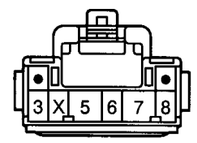
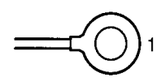
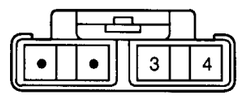


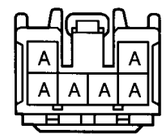
F19



F24

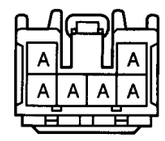


J9



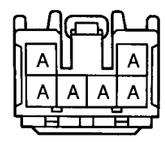
(Hint : See Page 7, 23, 39)

J20



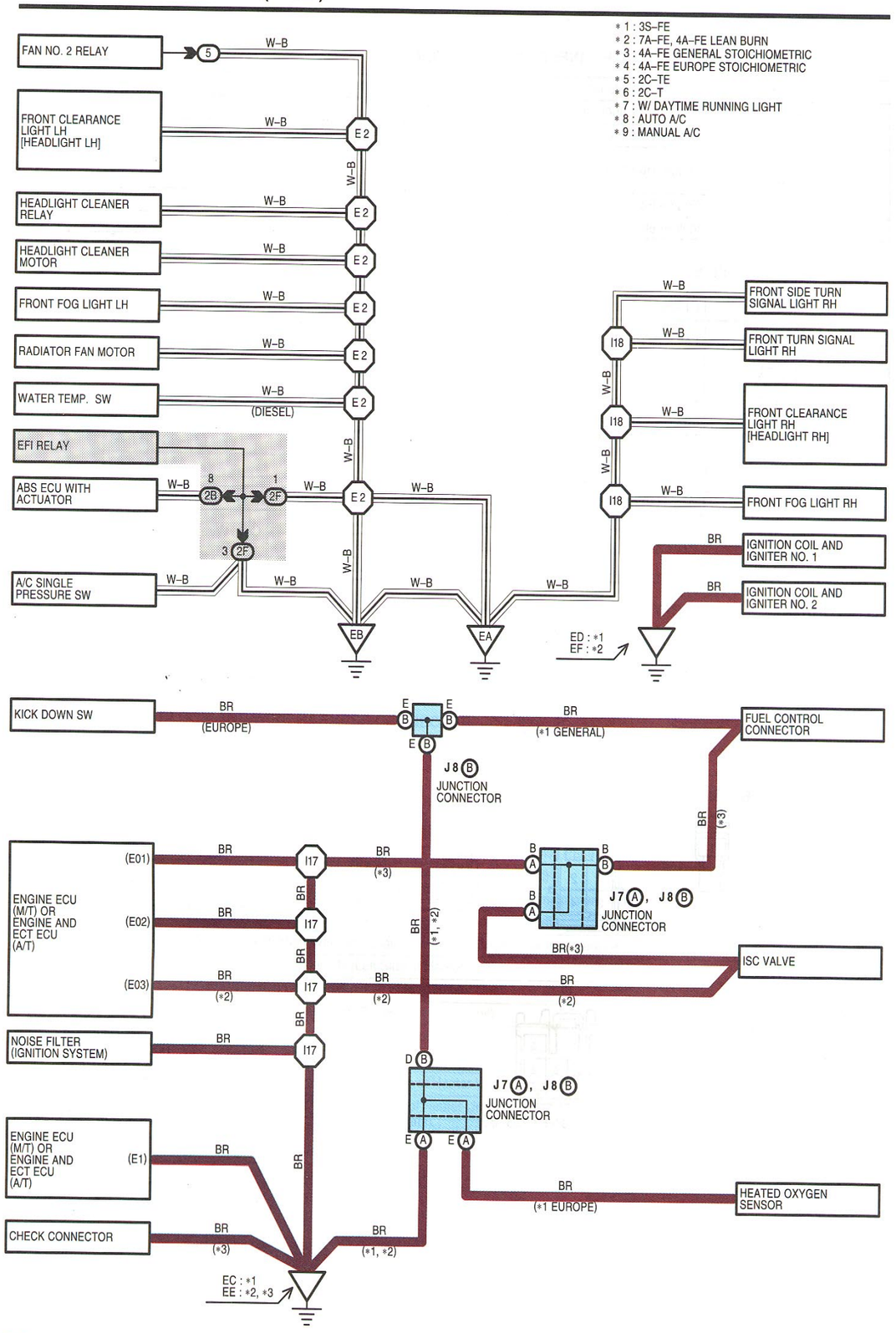
(Hint : See Page 7, 23, 39)

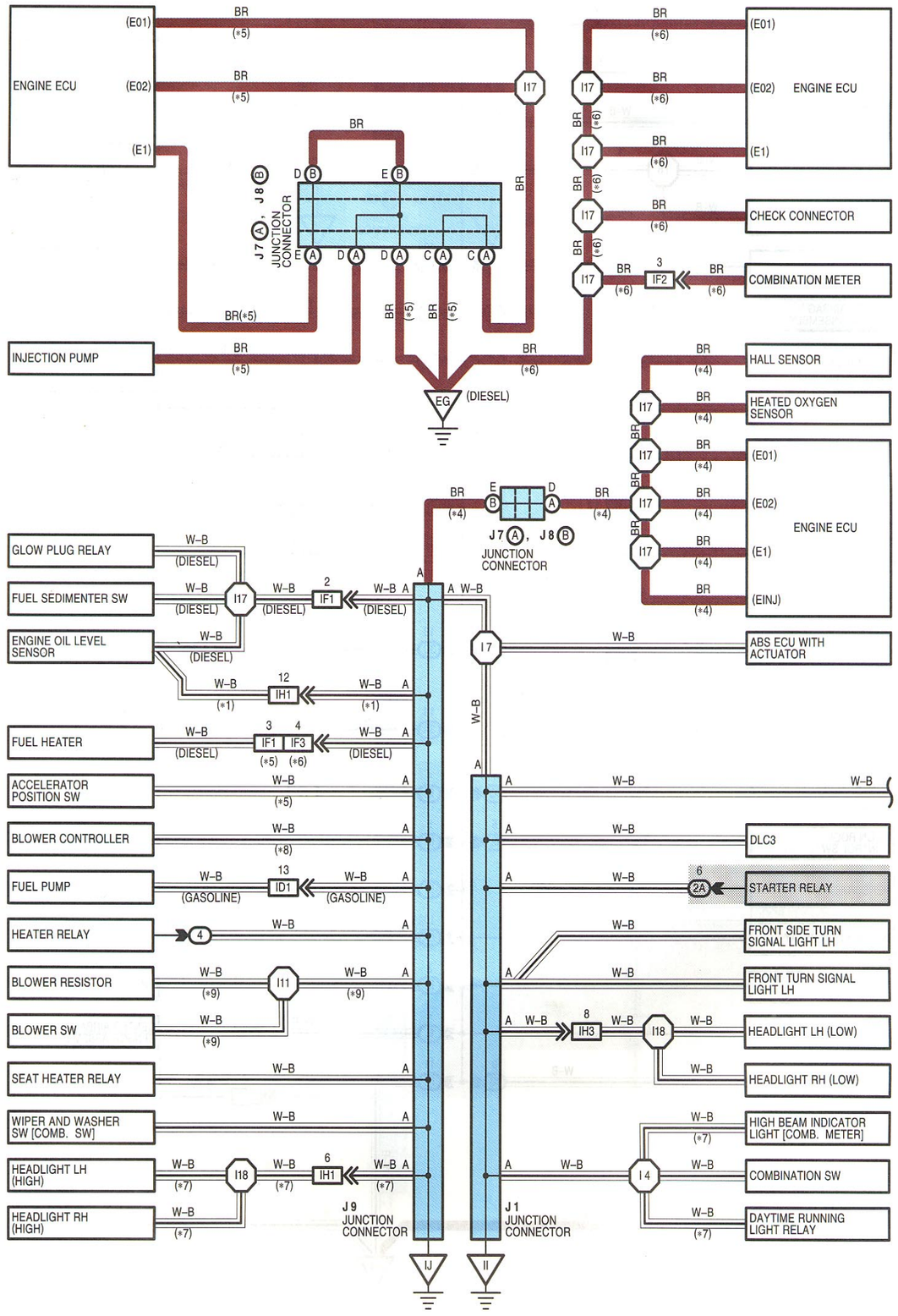
J27



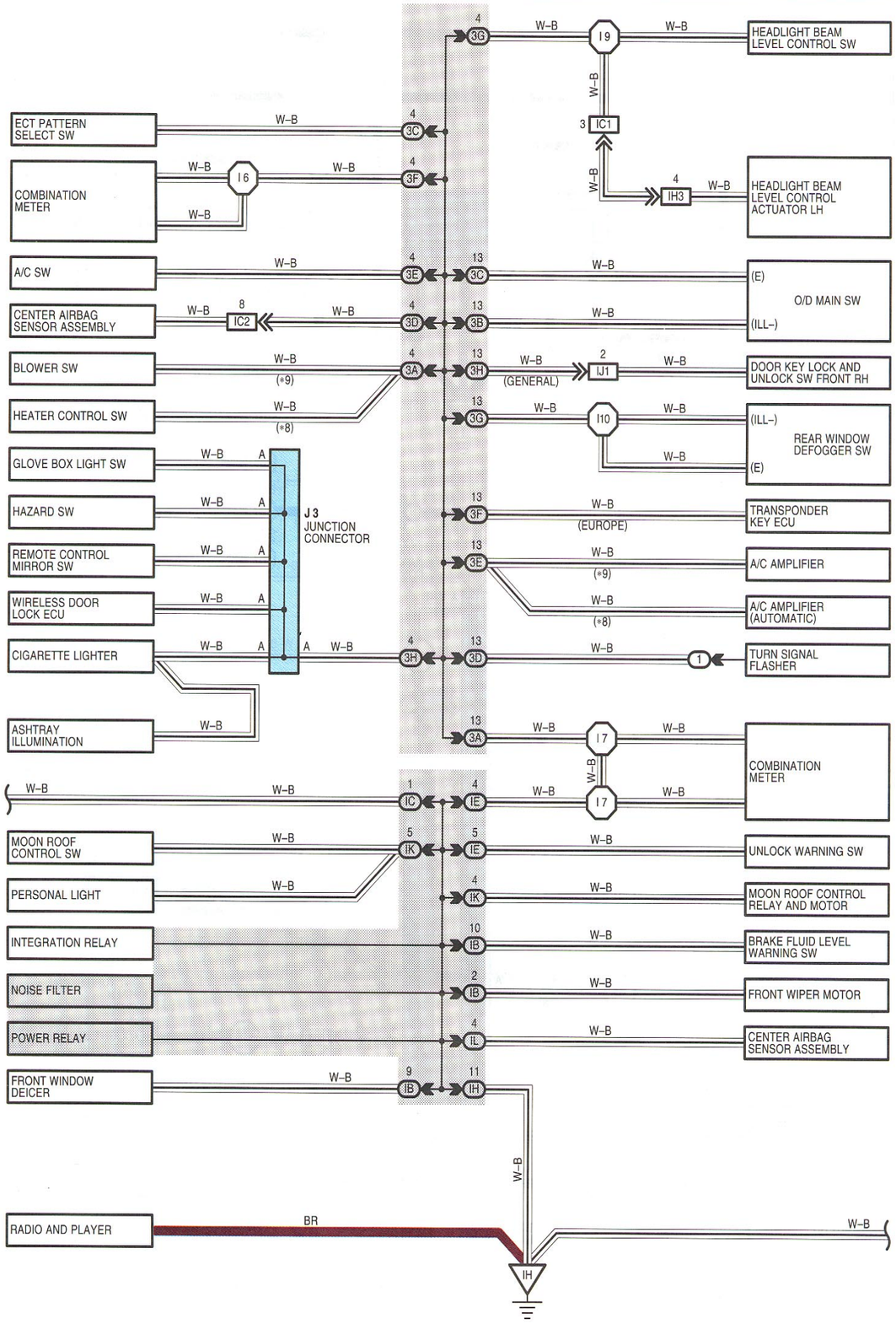
(Hint : See Page 7, 23, 39)

J GROUND POINT (LHD)

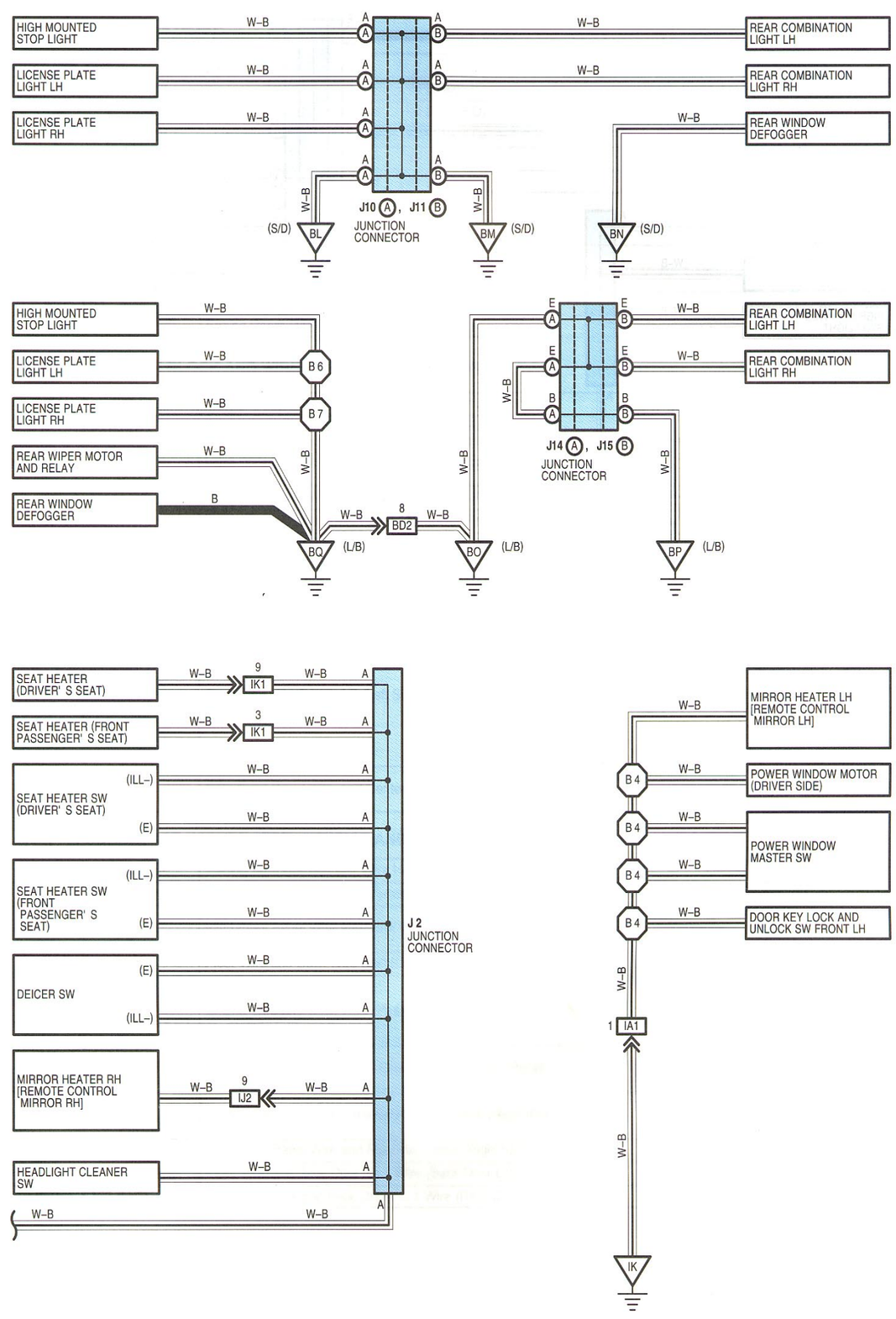




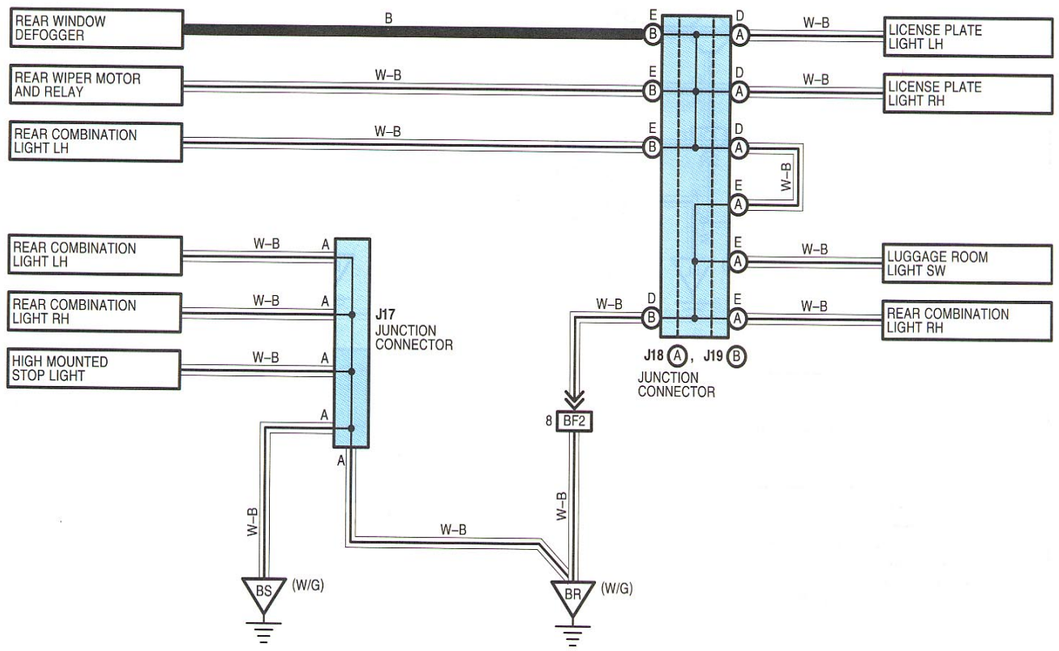
J GROUND POINT (LHD)



* 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		
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		
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		
3E	61 (LHD)	
3F		
3G	61 (LHD)	Instrument Panel Wire and Center J/B (Left Side of Heater Unit)
3H		

: 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		
ID1	114 (LHD)	Floor Wire and Cowl Wire (Left Kick Panel)
IF1	114 (LHD)	Engine Wire and Cowl Wire (Passenger Side Dash Panel)
IF2		
IF3		
IH1	116 (LHD)	Engine Room Main Wire and Cowl Wire (Right Kick Panel)
IH3		
IJ1	116 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ2		
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**

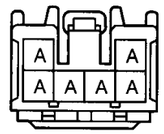
* A : 7A-FE, 4A-FE Lean Burn Type
* B : 4A-FE Stoichiometric Type

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**

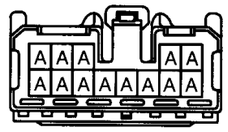
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	104 (LHD 3S-FE)	Engine Room Main Wire	I10	116 (LHD)	Instrument Panel Wire
	106 (LHD *A)		I11	116 (LHD)	Cowl Wire
	108 (LHD *B)		I17	116 (LHD)	Engine Wire
	110 (LHD 2C-TE)		I18	116 (LHD)	Engine Room Main Wire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

J1



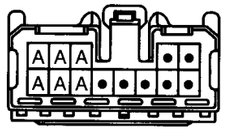
(Hint : See Page 7, 23, 39)

J2 ORANGE



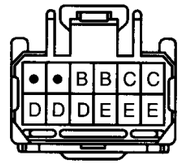
(Hint : See Page 7, 23, 39)

J3 GRAY



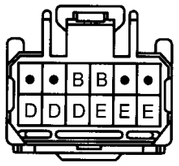
(Hint : See Page 7, 23, 39)

J7 (A) BLACK



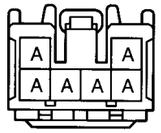
(Hint : See Page 7, 23, 39)

J8 (B) BLACK



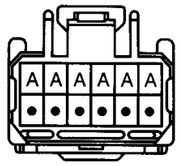
(Hint : See Page 7, 23, 39)

J9



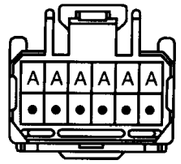
(Hint : See Page 7, 23, 39)

J10 (A) GRAY



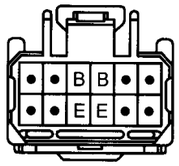
(Hint : See Page 7, 23, 39)

J11 (B) GRAY



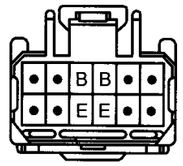
(Hint : See Page 7, 23, 39)

J14 (A)



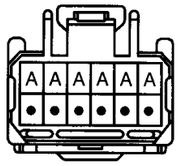
(Hint : See Page 7, 23, 39)

J15 (B)



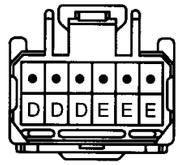
(Hint : See Page 7, 23, 39)

J17 GRAY



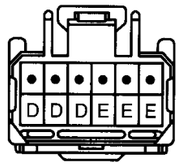
(Hint : See Page 7, 23, 39)

J18 (A) BLACK



(Hint : See Page 7, 23, 39)

J19 (B) BLACK

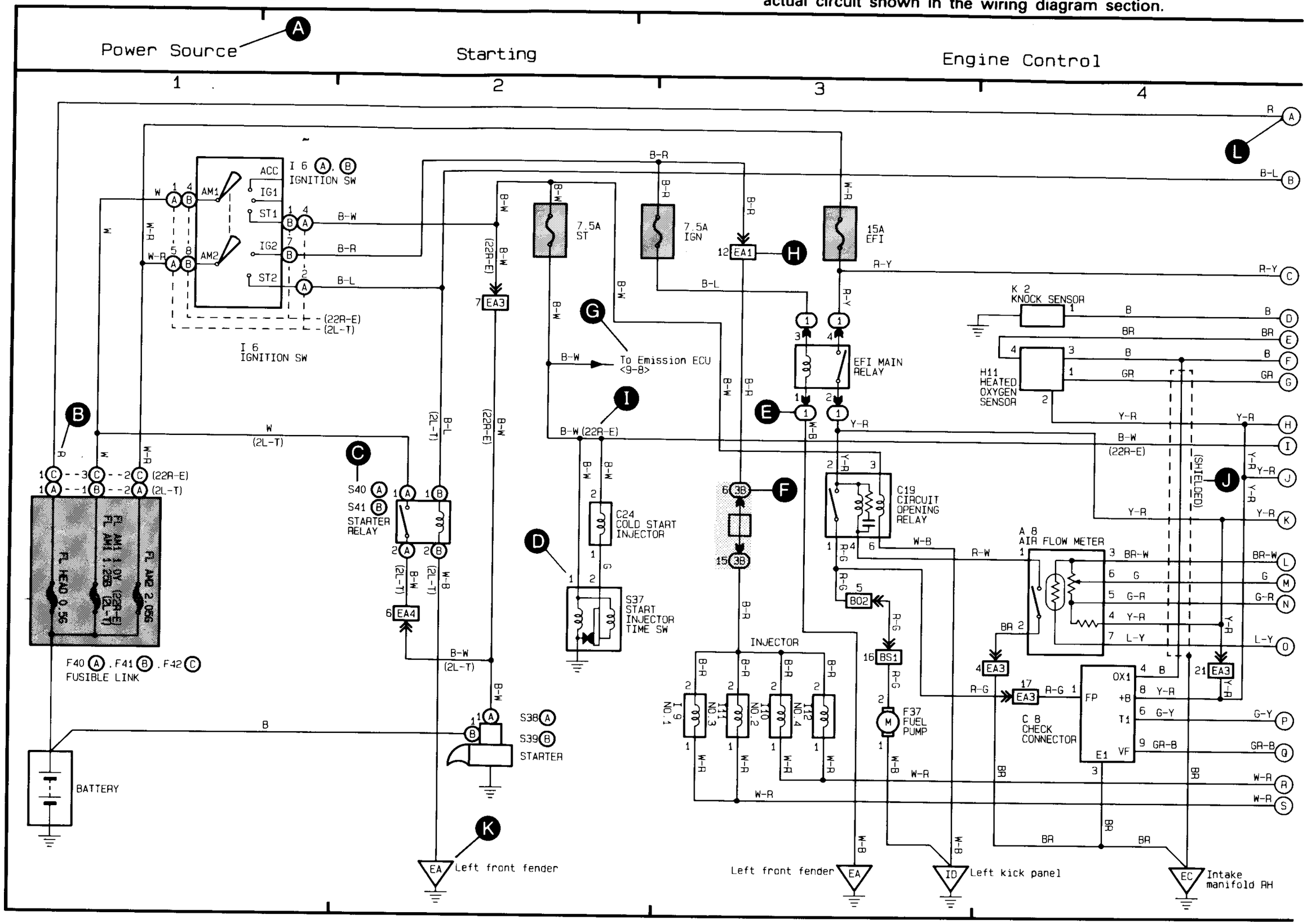


(Hint : See Page 7, 23, 39)

HOW TO READ THIS SECTION

English

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



Ⓐ: System Title

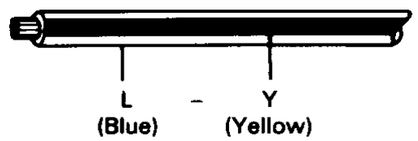
Ⓑ: Indicates the wiring color.

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



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

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

Example: Numbered in order from upper left to lower right — Numbered in order from upper right to lower left

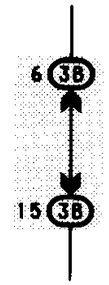
The numbering system for the overall wiring diagram is the same as above.

Ⓔ: 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.

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

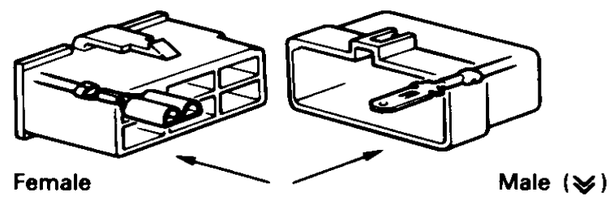
Example:



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

Ⓖ: Indicates related system.

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



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

Ⓙ: Indicates a shielded cable.

Ⓚ: Indicates and located on ground point.

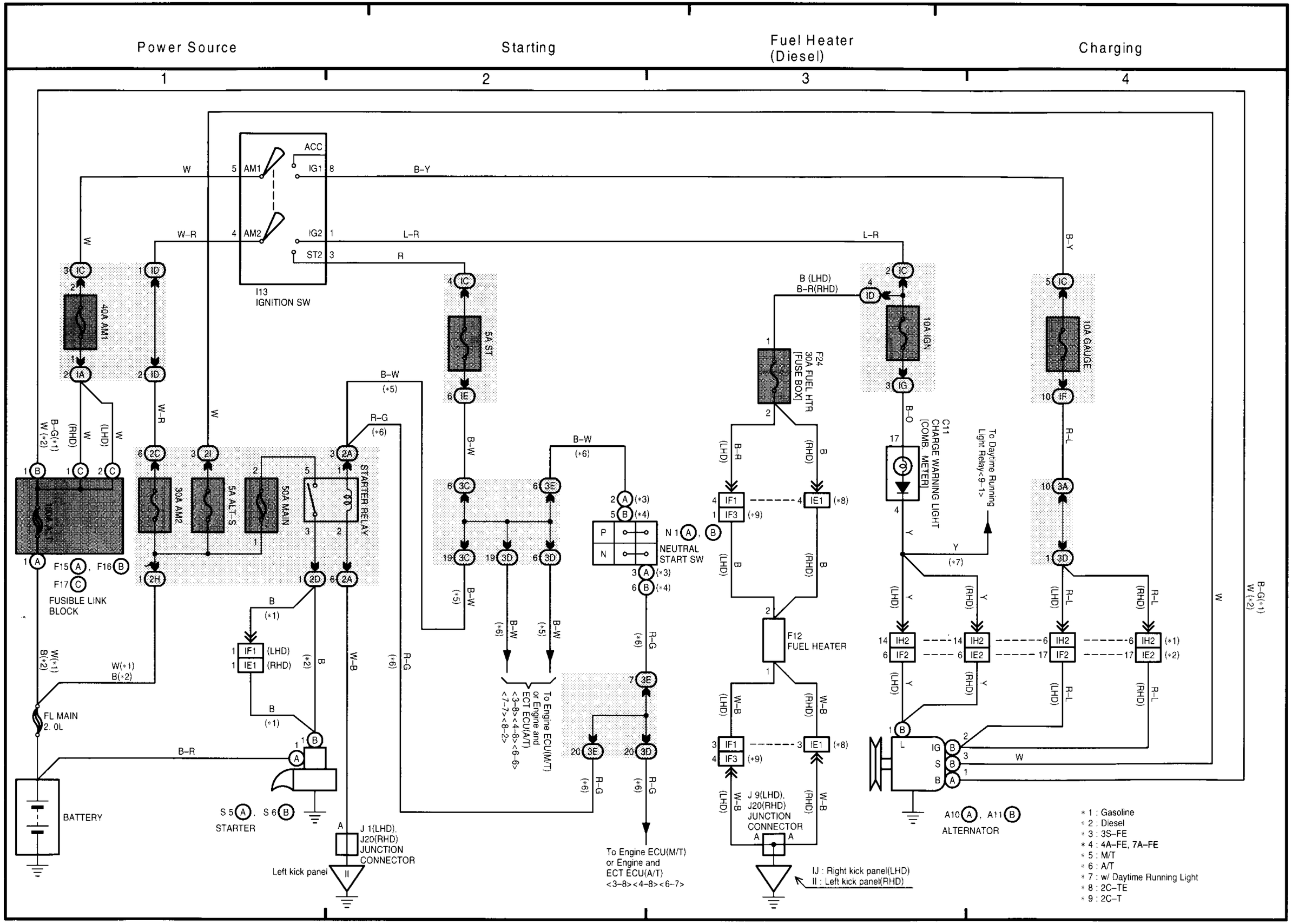
Ⓛ: The same code occuring on the next page indicates that the wire harness is continuous.

SYSTEM INDEX

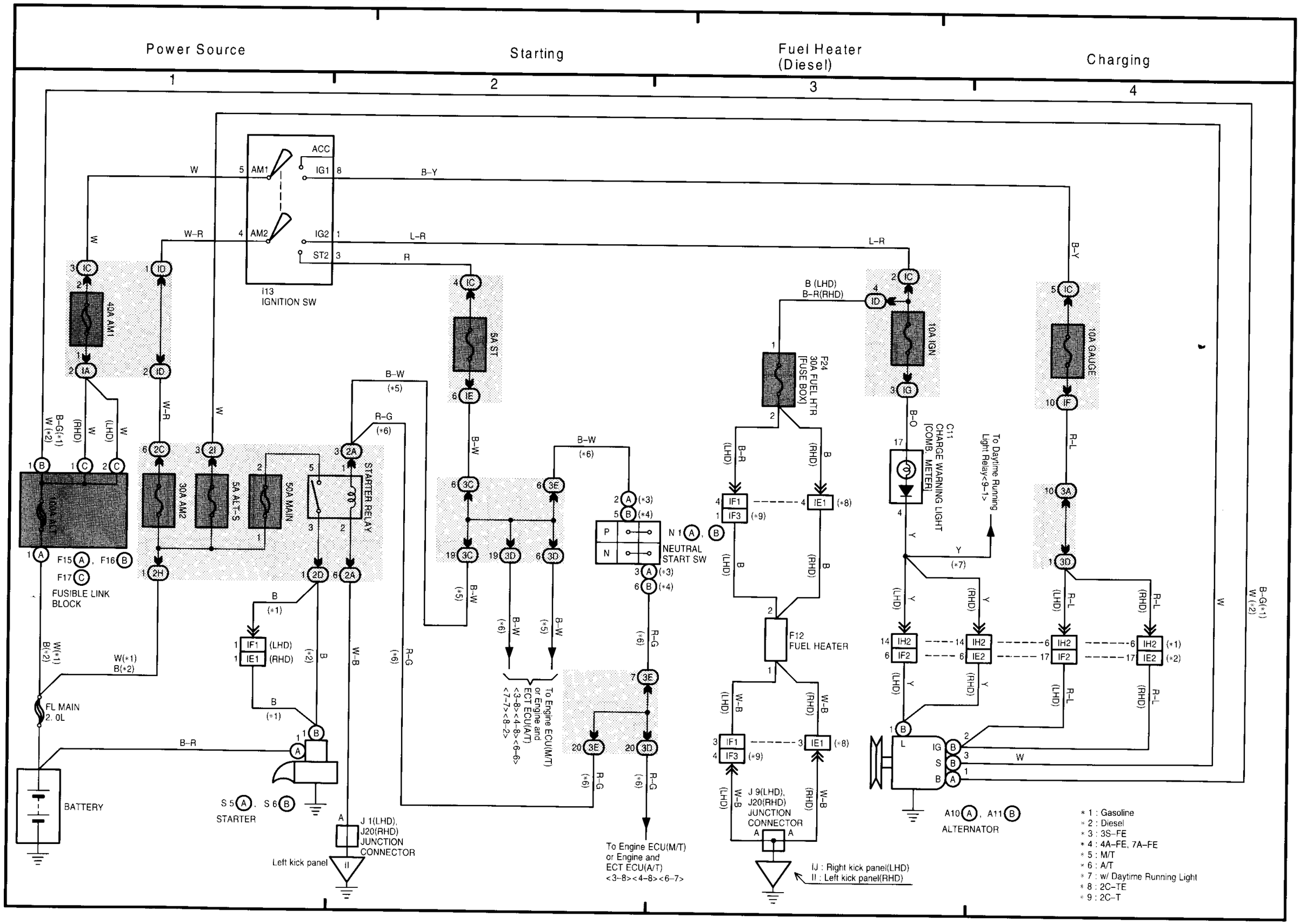
Location No.1 to 35

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

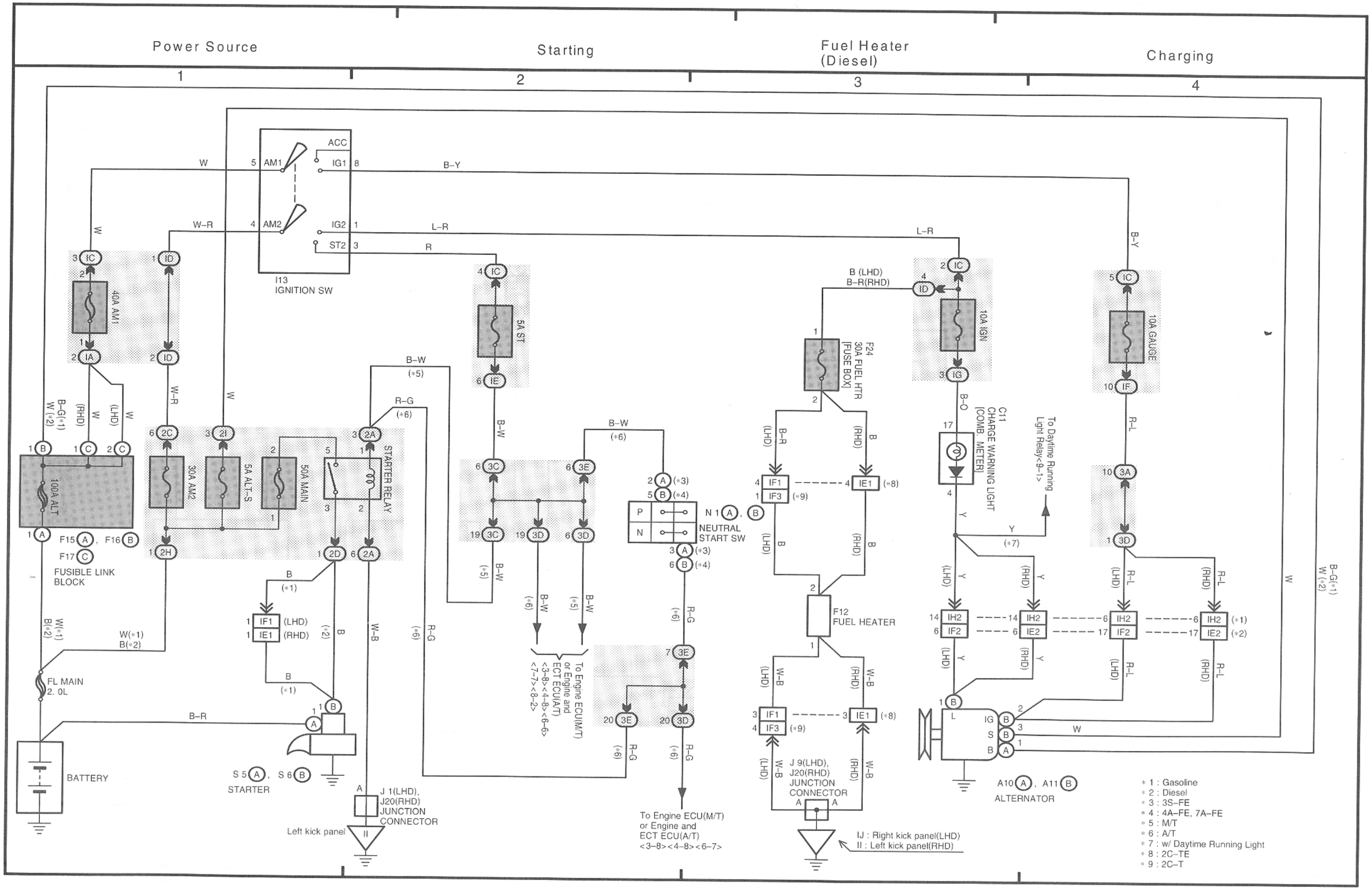
1 AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM

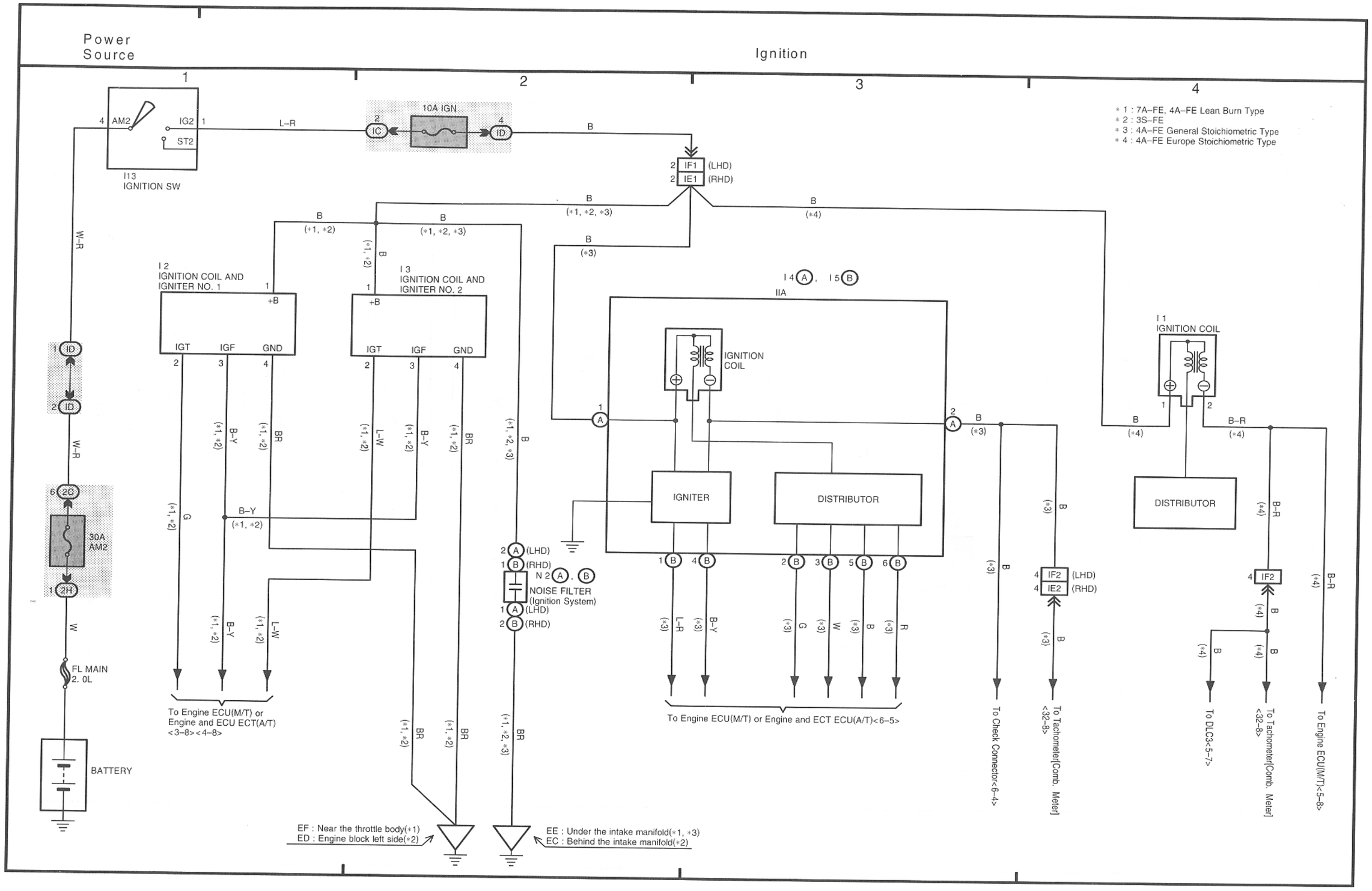


K

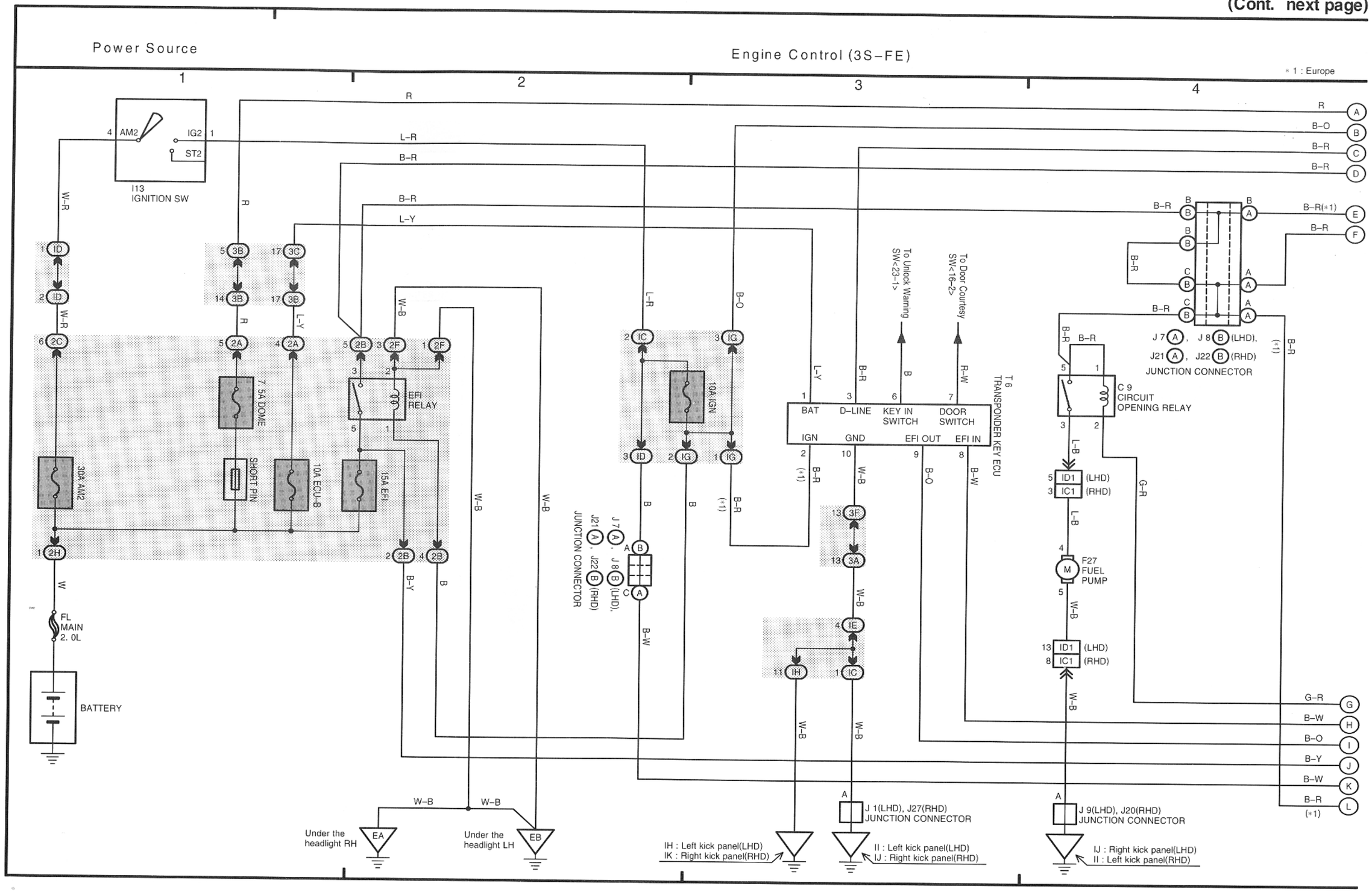

Power Source
Starting
Fuel Heater (Diesel)
Charging
1
2
3
4
ACC
IG1
IG2
ST2
AM1
AM2
I13 IGNITION SW
40A AM1
100A ALT
30A AM2
5A ALT-S
50A MAIN
STARTER RELAY
5A ST
F15 (A), F16 (B)
F17 (C)
FUSIBLE LINK BLOCK
FL MAIN 2. 0L
BATTERY
S 5 (A), S 6 (B)
STARTER
J 1(LHD), J20(RHD) JUNCTION CONNECTOR
Left kick panel
To Engine ECU(M/T) or Engine and ECT ECU(A/T) <3-8><4-8><6-6><7-7><8-2>
N 1 (A), (B)
NEUTRAL START SW
F24 30A FUEL HTR [FUSE BOX]
F12 FUEL HEATER
J 9(LHD), J20(RHD) JUNCTION CONNECTOR
IJ : Right kick panel(LHD)
II : Left kick panel(RHD)
10A IGN
10A GAUGE
C11 CHARGE WARNING LIGHT [COMB. METER]
To Daytime Running Light Relay<9-1>
A10 (A), A11 (B)
ALTERNATOR
* 1 : Gasoline
* 2 : Diesel
* 3 : 3S-FE
* 4 : 4A-FE, 7A-FE
* 5 : M/T
* 6 : A/T
* 7 : w/ Daytime Running Light
* 8 : 2C-TE
* 9 : 2C-T

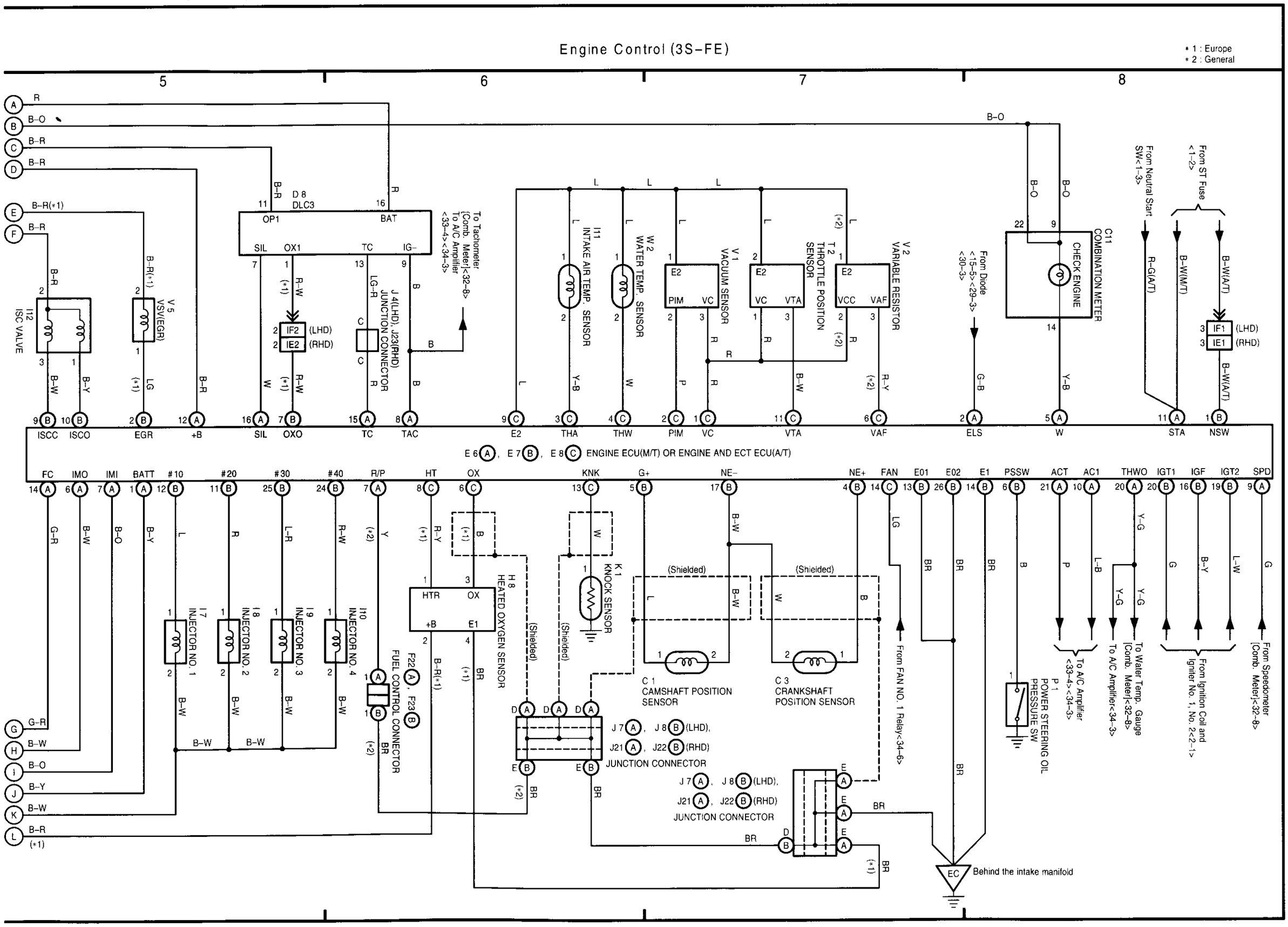
1 AVENSIS / CORONA ELECTRICAL WIRING DIAGRAM




Power Source
Ignition
1
2
3
4
* 1 : 7A-FE, 4A-FE Lean Burn Type
* 2 : 3S-FE
* 3 : 4A-FE General Stoichiometric Type
* 4 : 4A-FE Europe Stoichiometric Type
AM2
IG2
ST2
I13
IGNITION SW
L-R
10A IGN
IC
ID
B
IF1 (LHD)
IE1 (RHD)
B (*1, *2, *3)
B (*4)
B (*1, *2)
B (*1, *2, *3)
B (*3)
I2
IGNITION COIL AND IGNITER NO. 1
I3
IGNITION COIL AND IGNITER NO. 2
+B
IGT
IGF
GND
W-R
B-Y
BR
L-W
G
W
2C
30A AM2
2H
FL MAIN 2. 0L
BATTERY
I4 A, I5 B
IIA
IGNITION COIL
IGNITER
DISTRIBUTOR
I1
IGNITION COIL
DISTRIBUTOR
B-R
IF2 (LHD)
IE2 (RHD)
N2 A, B
NOISE FILTER (Ignition System)
(LHD)
(RHD)
L-R
R
To Engine ECU(M/T) or Engine and ECU ECT(A/T) <3-8><4-8>
To Engine ECU(M/T) or Engine and ECT ECU(A/T)<6-5>
To Check Connector<6-4>
To Tachometer[Comb. Meter] <32-8>
To DLC3<5-7>
To Tachometer[Comb. Meter] <32-8>
To Engine ECU(M/T)<5-8>
EF : Near the throttle body(*1)
ED : Engine block left side(*2)
EE : Under the intake manifold(*1, *3)
EC : Behind the intake manifold(*2)

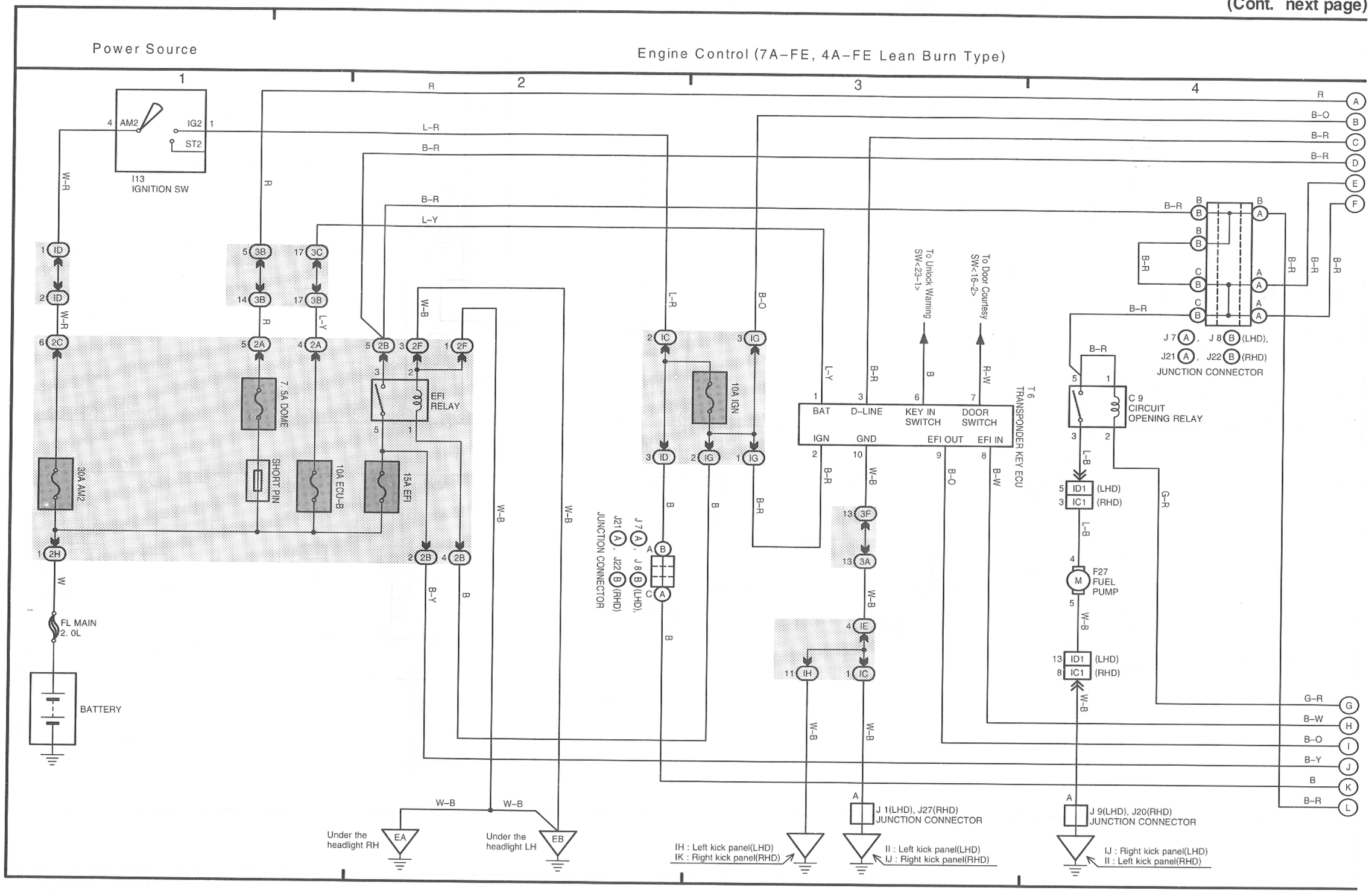
(Cont. next page)

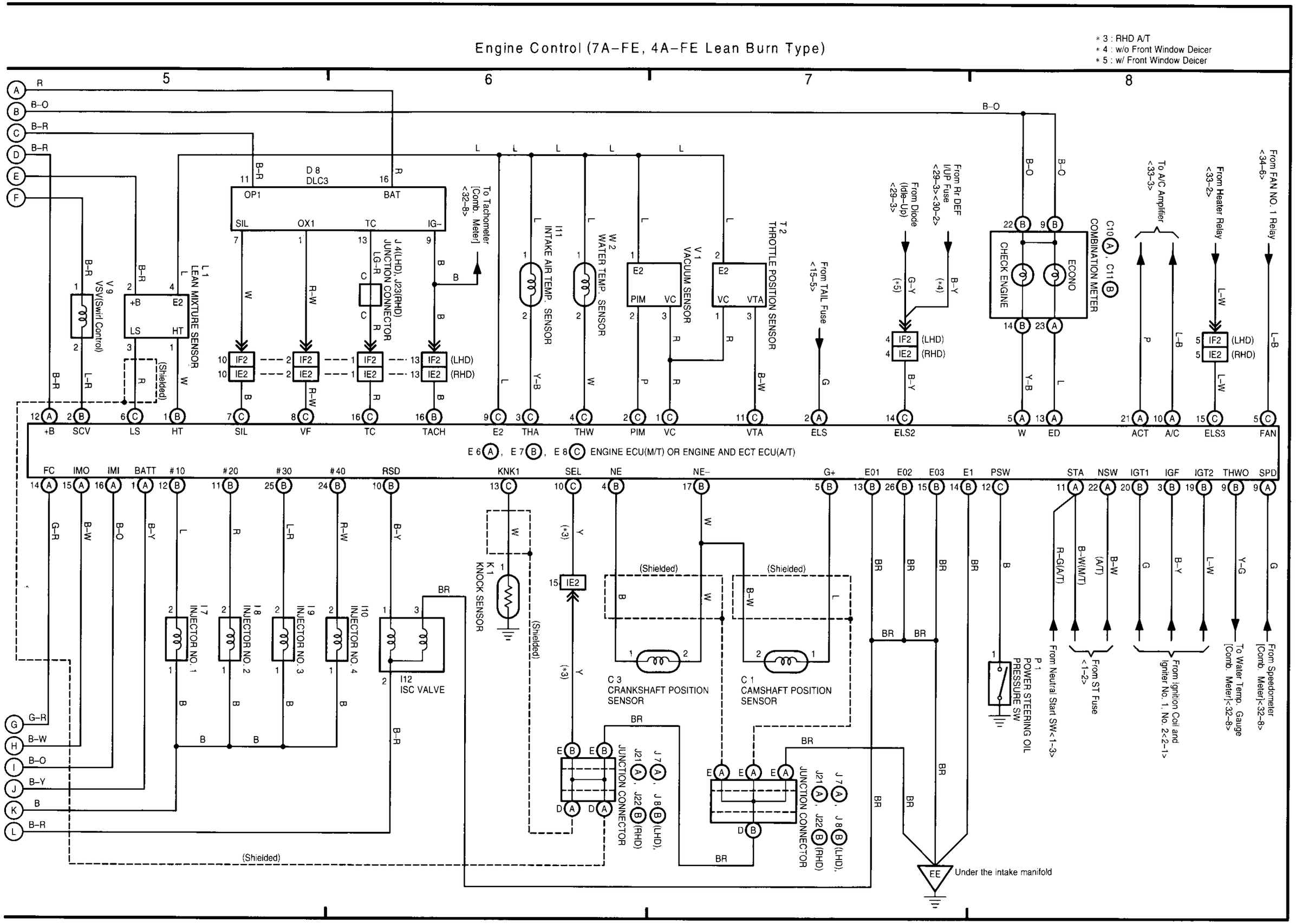



Engine Control (3S-FE)
* 1 : Europe
* 2 : General
5
6
7
8
D 8
DLC3
OP1
BAT
SIL
OX1
TC
IG-
To Tachometer [Comb. Meter]<32-8>
To A/C Amplifier <33-4><34-3>
I12
ISC VALVE
V 5
VSV(EGR)
IF2 (LHD)
IE2 (RHD)
J 4(LHD), J23(RHD)
JUNCTION CONNECTOR
I11
INTAKE AIR TEMP. SENSOR
W 2
WATER TEMP. SENSOR
V 1
VACUUM SENSOR
T 2
THROTTLE POSITION SENSOR
V 2
VARIABLE RESISTOR
From Diode <15-5><29-3><30-3>
C11
COMBINATION METER
CHECK ENGINE
From Neutral Start SW<1-3>
From ST Fuse <1-2>
IF1 (LHD)
IE1 (RHD)
ISCC
ISCO
EGR
+B
SIL
OXO
TC
TAC
E2
THA
THW
PIM
VC
VTA
VAF
ELS
W
STA
NSW
E 6 (A), E 7 (B), E 8 (C) ENGINE ECU(M/T) OR ENGINE AND ECT ECU(A/T)
FC
IMO
IMI
BATT
#10
#20
#30
#40
R/P
HT
OX
KNK
G+
NE-
NE+
FAN
E01
E02
E1
PSSW
ACT
AC1
THWO
IGT1
IGF
IGT2
SPD
I7
INJECTOR NO. 1
I8
INJECTOR NO. 2
I9
INJECTOR NO. 3
I10
INJECTOR NO. 4
F22 (A), F23 (B)
FUEL CONTROL CONNECTOR
H 8
HEATED OXYGEN SENSOR
HTR
+B
E1
K 1
KNOCK SENSOR
(Shielded)
C 1
CAMSHAFT POSITION SENSOR
C 3
CRANKSHAFT POSITION SENSOR
J 7 (A), J 8 (B) (LHD),
J21 (A), J22 (B) (RHD)
JUNCTION CONNECTOR
From FAN NO. 1 Relay<34-6>
P 1
POWER STEERING OIL PRESSURE SW
To A/C Amplifier <33-4><34-3>
To Water Temp. Gauge [Comb. Meter]<32-8>
To A/C Amplifier<34-3>
From Ignition Coil and Igniter No. 1, No. 2<2-1>
From Speedometer [Comb. Meter]<32-8>
EC
Behind the intake manifold

K

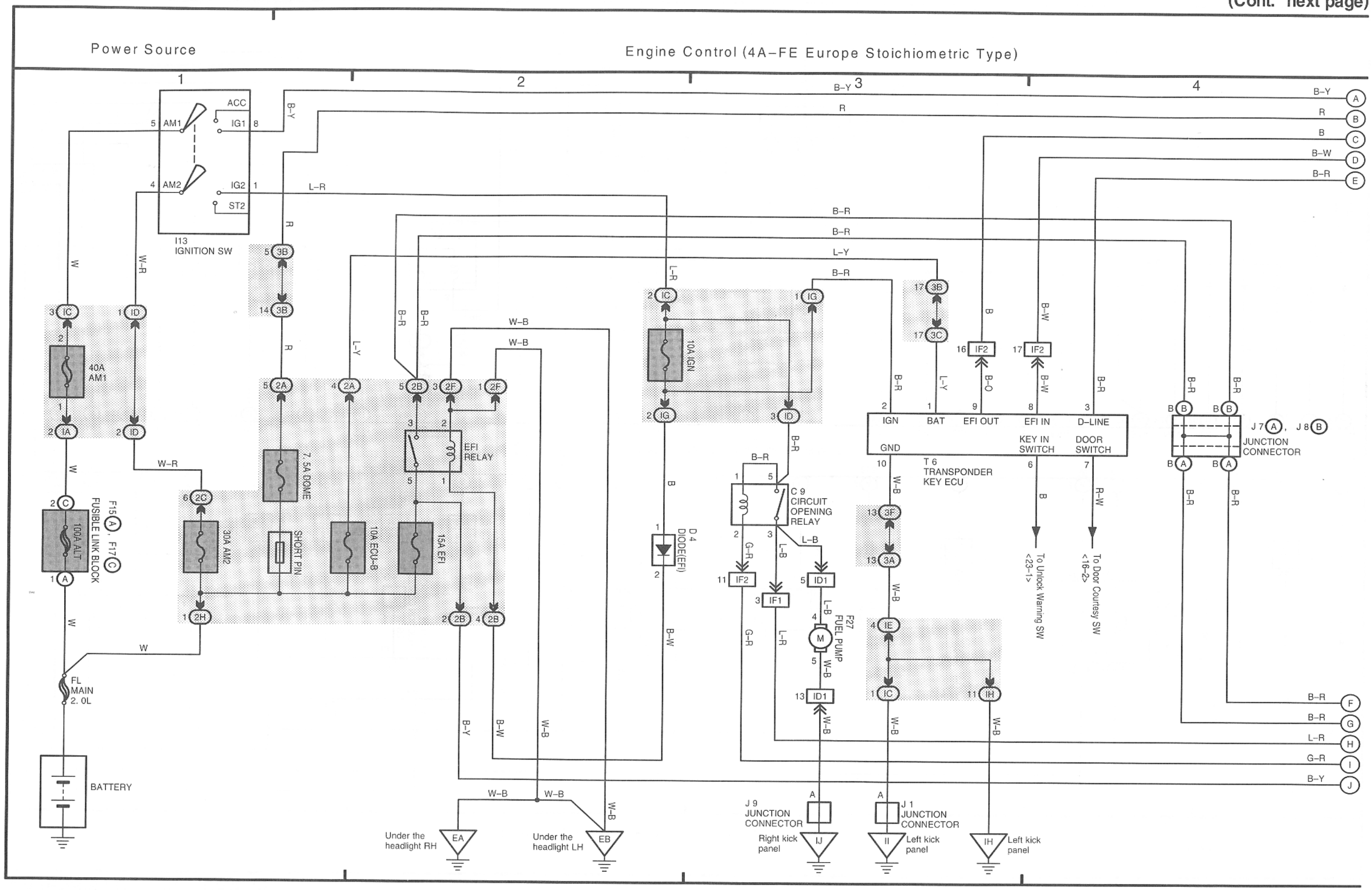
(Cont. next page)

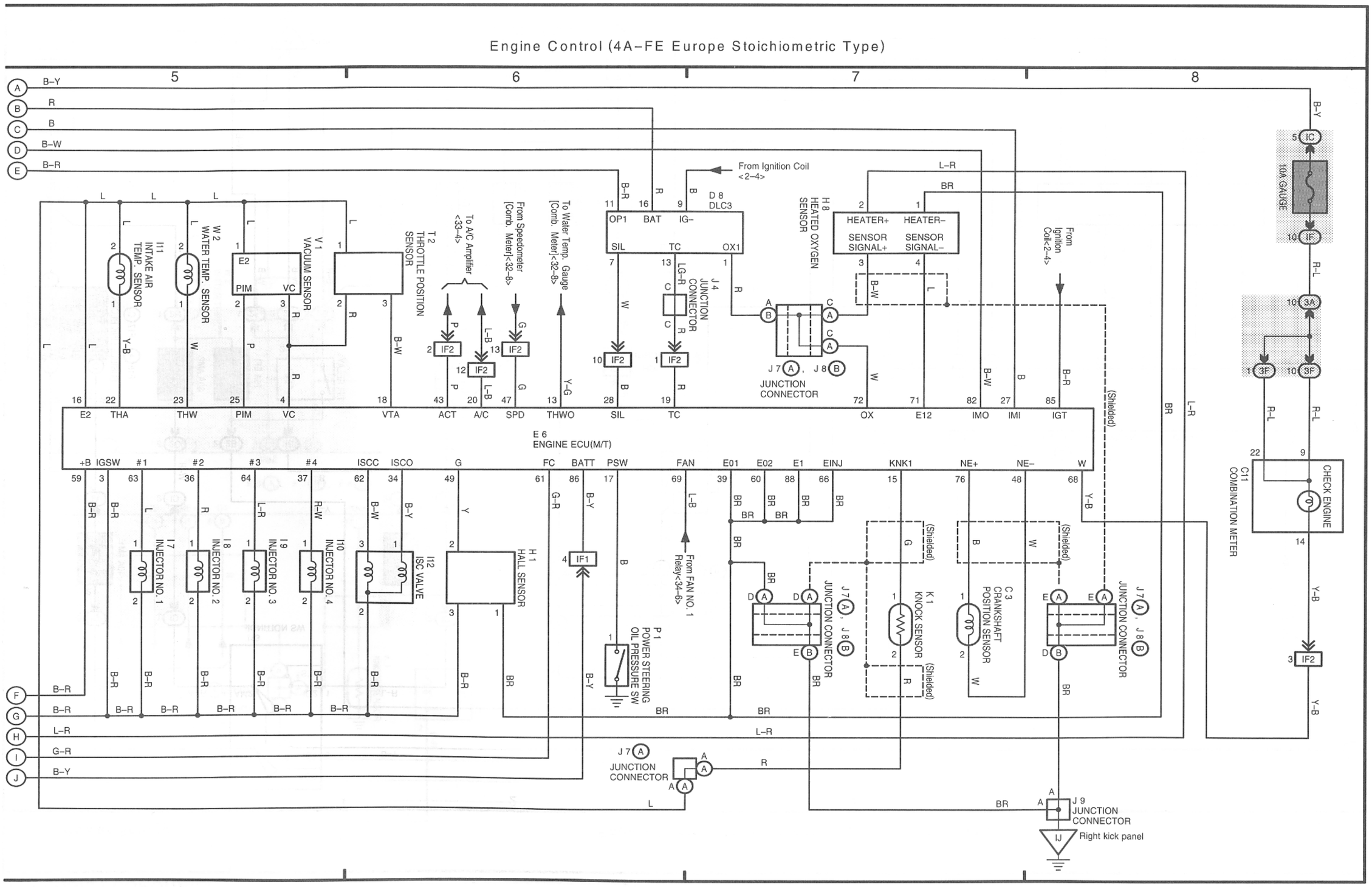



Engine Control (7A-FE, 4A-FE Lean Burn Type)
* 3 : RHD A/T
* 4 : w/o Front Window Deicer
* 5 : w/ Front Window Deicer
D 8 DLC3
OP1
BAT
SIL
OX1
TC
IG-
To Tachometer [Comb. Meter] <32-8>
V 9 VSV(Swirl Control)
L 1 LEAN MIXTURE SENSOR
J 4(LHD), J23(RHD) JUNCTION CONNECTOR
I11 INTAKE AIR TEMP. SENSOR
W 2 WATER TEMP. SENSOR
V 1 VACUUM SENSOR
T 2 THROTTLE POSITION SENSOR
From TAIL Fuse <15-5>
From Diode (Idle-Up) <29-3>
From Rr DEF I/UP Fuse <29-3><30-2>
CHECK ENGINE
ECONO
C10, C11 COMBINATION METER
To A/C Amplifier <33-3>
From Heater Relay <33-2>
From FAN NO. 1 Relay <34-6>
(Shielded)
+B SCV LS HT SIL VF TC TACH E2 THA THW PIM VC VTA ELS ELS2 W ED ACT A/C ELS3 FAN
E 6 (A), E 7 (B), E 8 (C) ENGINE ECU(M/T) OR ENGINE AND ECT ECU(A/T)
FC IMO IMI BATT #10 #20 #30 #40 RSD KNK1 SEL NE NE- G+ E01 E02 E03 E1 PSW STA NSW IGT1 IGF IGT2 THWO SPD
I7 INJECTOR NO. 1
I8 INJECTOR NO. 2
I9 INJECTOR NO. 3
I10 INJECTOR NO. 4
I12 ISC VALVE
K 1 KNOCK SENSOR
C 3 CRANKSHAFT POSITION SENSOR
C 1 CAMSHAFT POSITION SENSOR
J 7, J 8 (LHD), J21, J22 (RHD) JUNCTION CONNECTOR
P 1 POWER STEERING OIL PRESSURE SW
From Neutral Start SW<1-3>
From ST Fuse <1-2>
From Ignition Coil and Igniter No. 1, No. 2<2-1>
To Water Temp. Gauge [Comb. Meter]<32-8>
From Speedometer [Comb. Meter]<32-8>
EE Under the intake manifold

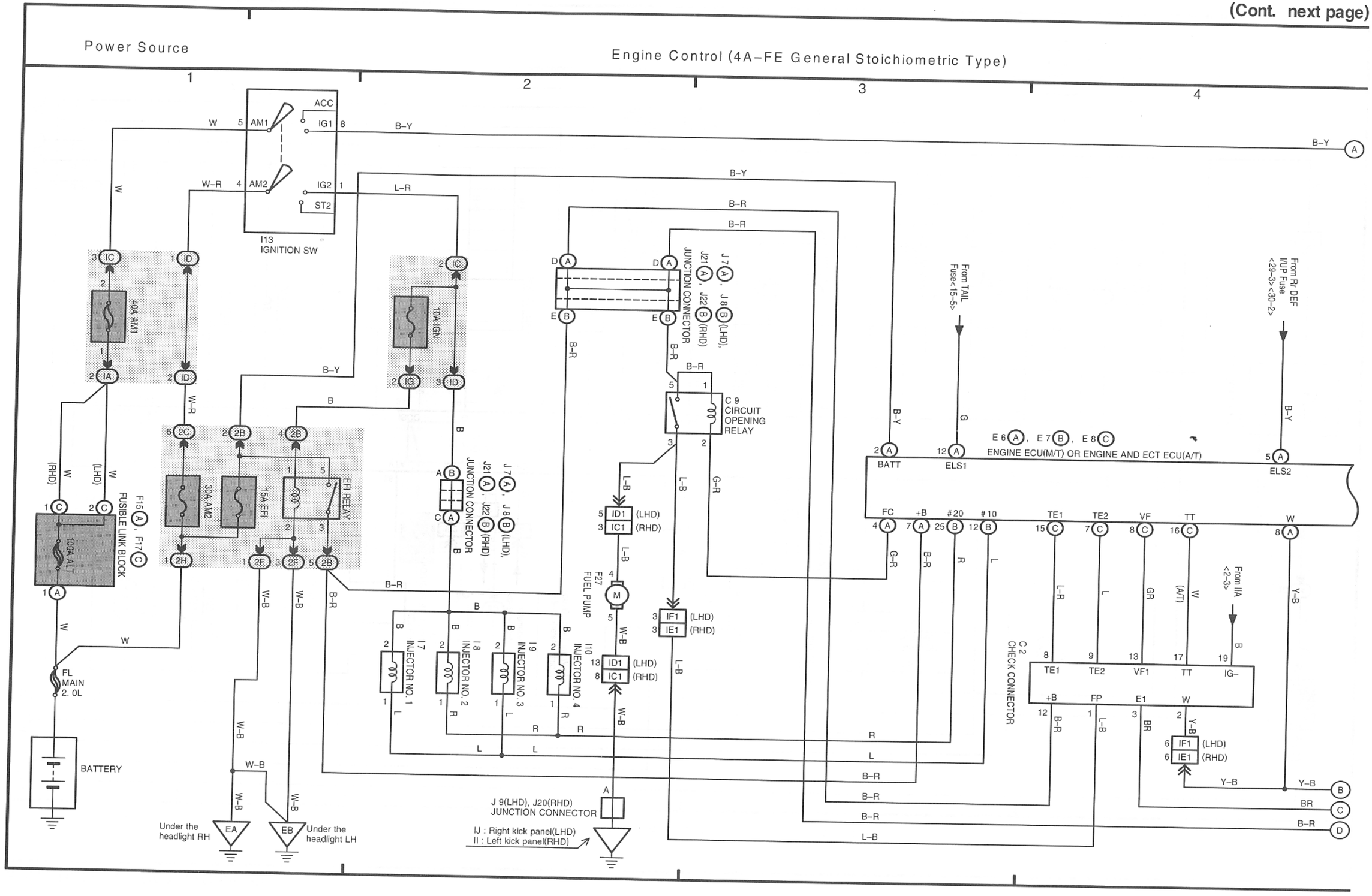
K

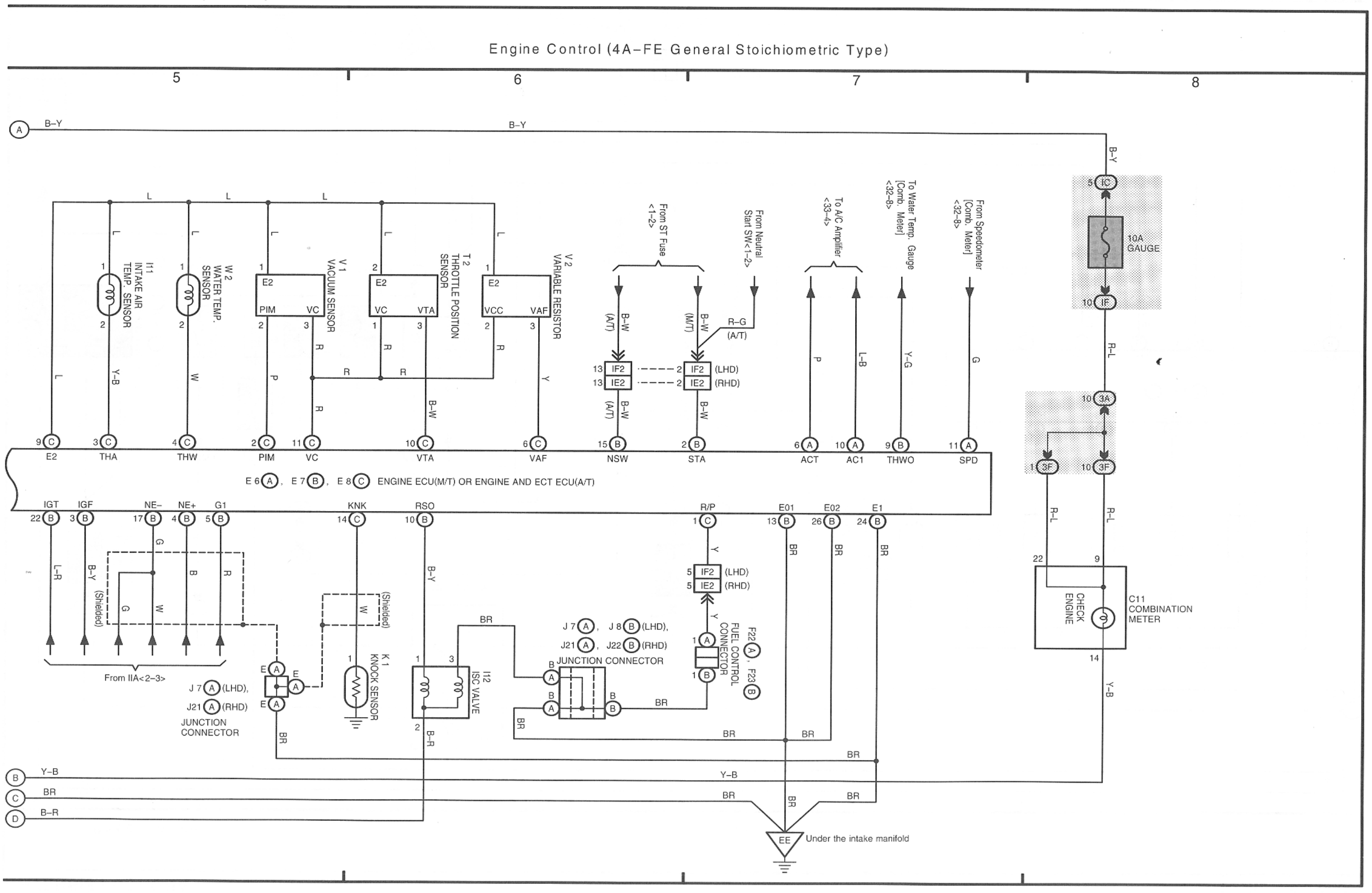
(Cont. next page)




Engine Control (4A-FE Europe Stoichiometric Type)
5
6
7
8
E 6
ENGINE ECU(M/T)
E2 THA THW PIM VC VTA ACT A/C SPD THWO SIL TC OX E12 IMO IMI IGT
+B IGSW #1 #2 #3 #4 ISCC ISCO G FC BATT PSW FAN E01 E02 E1 EINJ KNK1 NE+ NE- W
I11 INTAKE AIR TEMP. SENSOR
W 2 WATER TEMP. SENSOR
V 1 VACUUM SENSOR
T 2 THROTTLE POSITION SENSOR
To A/C Amplifier <33-4>
From Speedometer [Comb. Meter]<32-8>
To Water Temp. Gauge [Comb. Meter]<32-8>
From Ignition Coil <2-4>
D 8 DLC3
OP1 BAT IG- SIL TC OX1
J 4 JUNCTION CONNECTOR
H 8 HEATED OXYGEN SENSOR
HEATER+ HEATER-
SENSOR SIGNAL+ SENSOR SIGNAL-
From Ignition Coil<2-4>
10A GAUGE
CHECK ENGINE
C11 COMBINATION METER
I7 INJECTOR NO. 1
I8 INJECTOR NO. 2
I9 INJECTOR NO. 3
I10 INJECTOR NO. 4
I12 ISC VALVE
H 1 HALL SENSOR
From FAN NO. 1 Relay<34-6>
P 1 POWER STEERING OIL PRESSURE SW
J 7 JUNCTION CONNECTOR
J 8 JUNCTION CONNECTOR
K 1 KNOCK SENSOR
C 3 CRANKSHAFT POSITION SENSOR
(Shielded)
J 9 JUNCTION CONNECTOR
Right kick panel

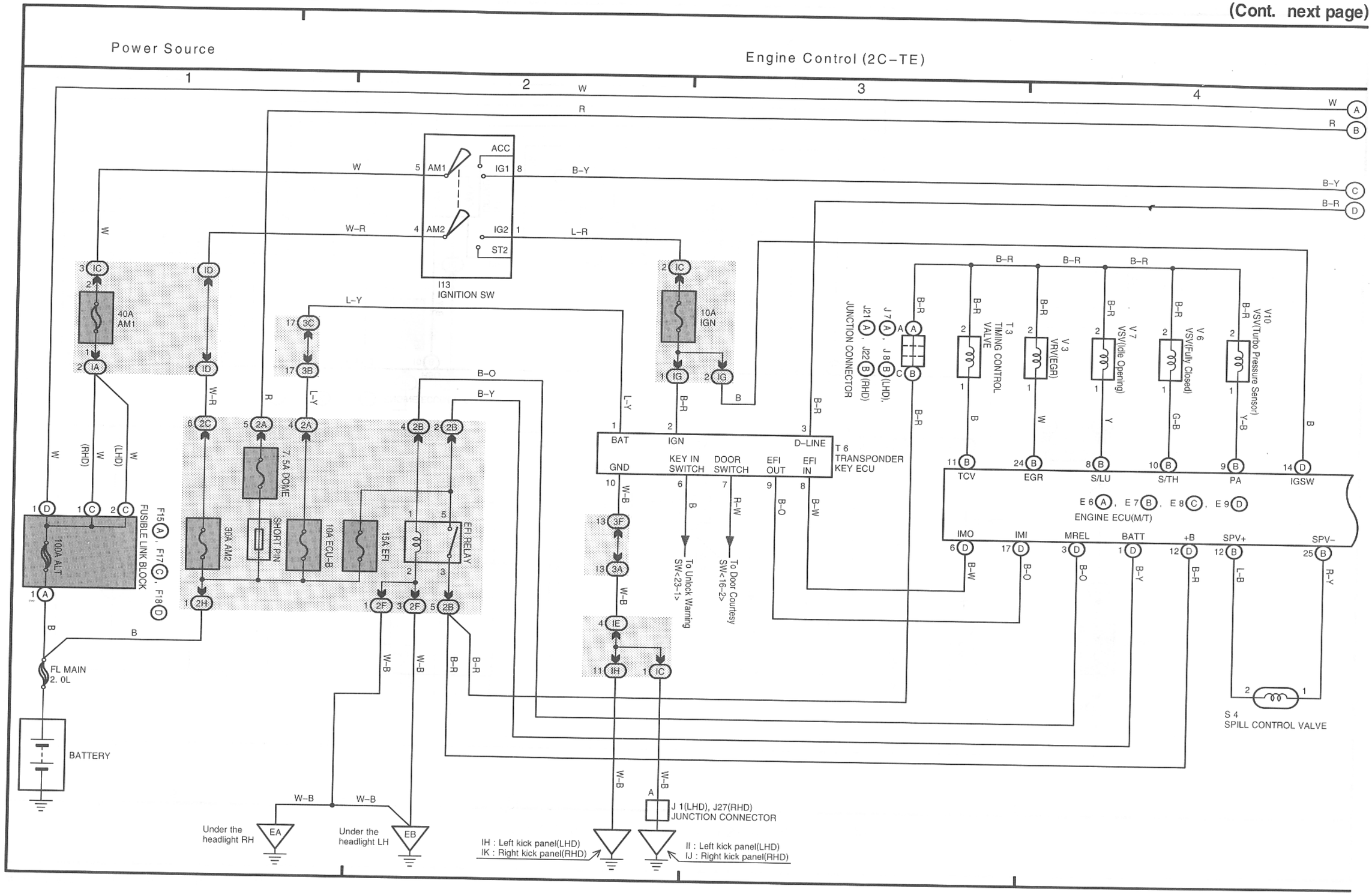
(Cont. next page)

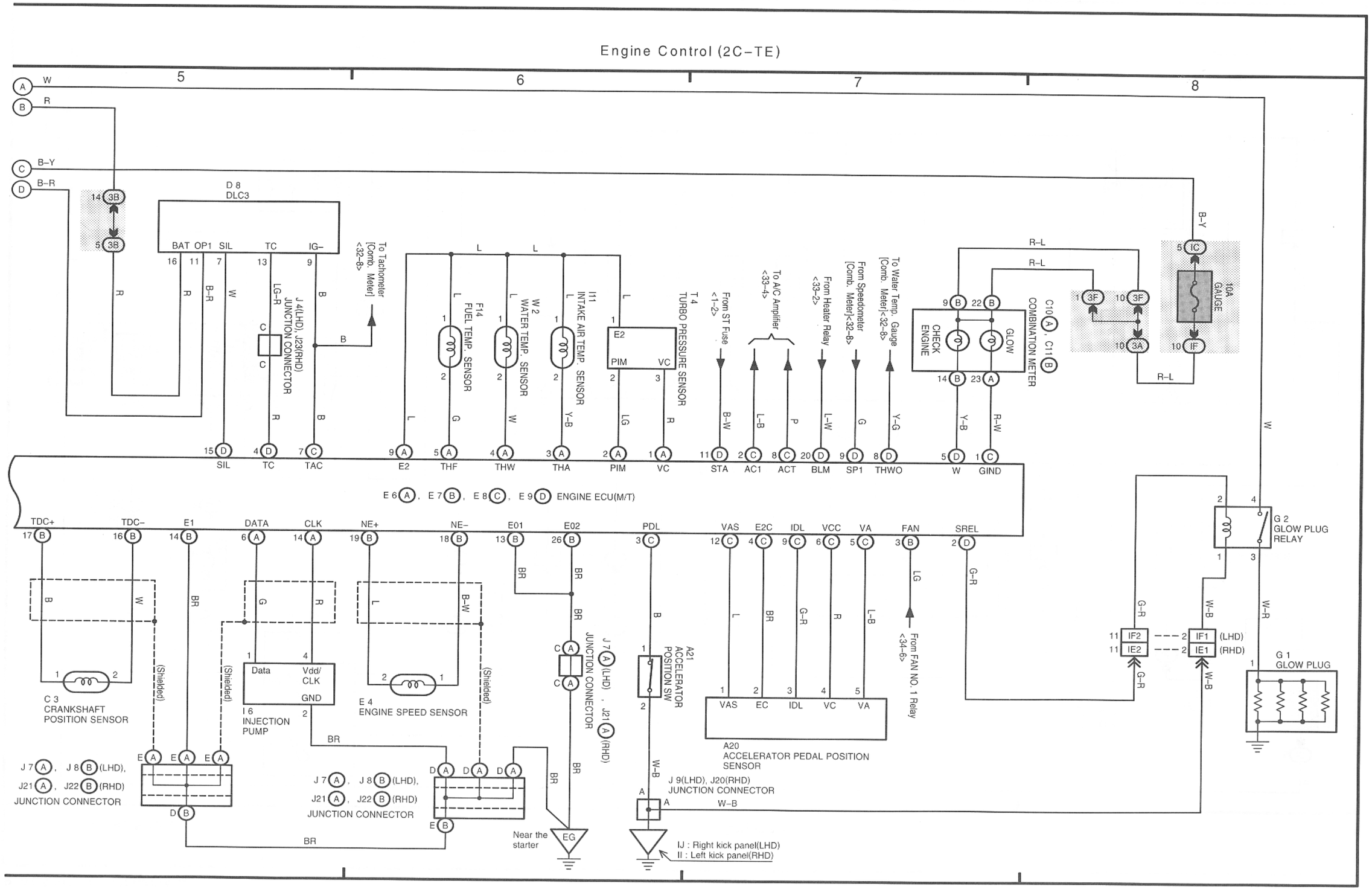


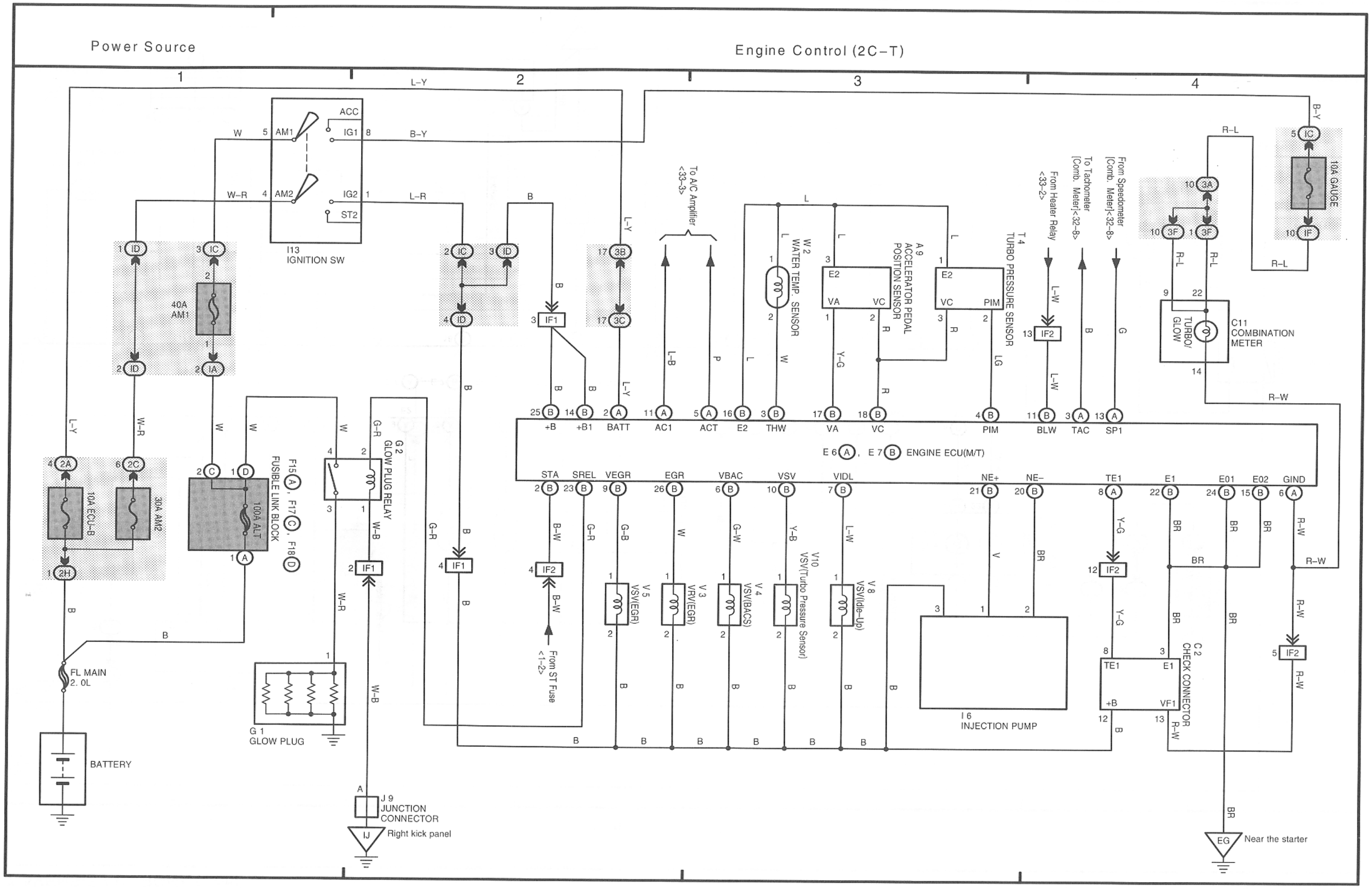

Engine Control (4A-FE General Stoichiometric Type)
5
6
7
8
I11 INTAKE AIR TEMP. SENSOR
W 2 WATER TEMP. SENSOR
V 1 VACUUM SENSOR
T 2 THROTTLE POSITION SENSOR
V 2 VARIABLE RESISTOR
From ST Fuse <1-2>
From Neutral Start SW<1-2>
To A/C Amplifier <33-4>
To Water Temp. Gauge [Comb. Meter] <32-8>
From Speedometer [Comb. Meter] <32-8>
10A GAUGE
E2
THA
THW
PIM
VC
VTA
VAF
NSW
STA
ACT
AC1
THWO
SPD
E 6 (A), E 7 (B), E 8 (C) ENGINE ECU(M/T) OR ENGINE AND ECT ECU(A/T)
IGT
IGF
NE−
NE+
G1
KNK
RSO
R/P
E01
E02
E1
From IIA<2-3>
J 7 (A) (LHD),
J21 (A) (RHD)
JUNCTION CONNECTOR
K 1 KNOCK SENSOR
I12 ISC VALVE
J 7 (A), J 8 (B) (LHD),
J21 (A), J22 (B) (RHD)
JUNCTION CONNECTOR
FUEL CONTROL CONNECTOR
F22 (A), F23 (B)
C11 COMBINATION METER
CHECK ENGINE
Under the intake manifold
EE

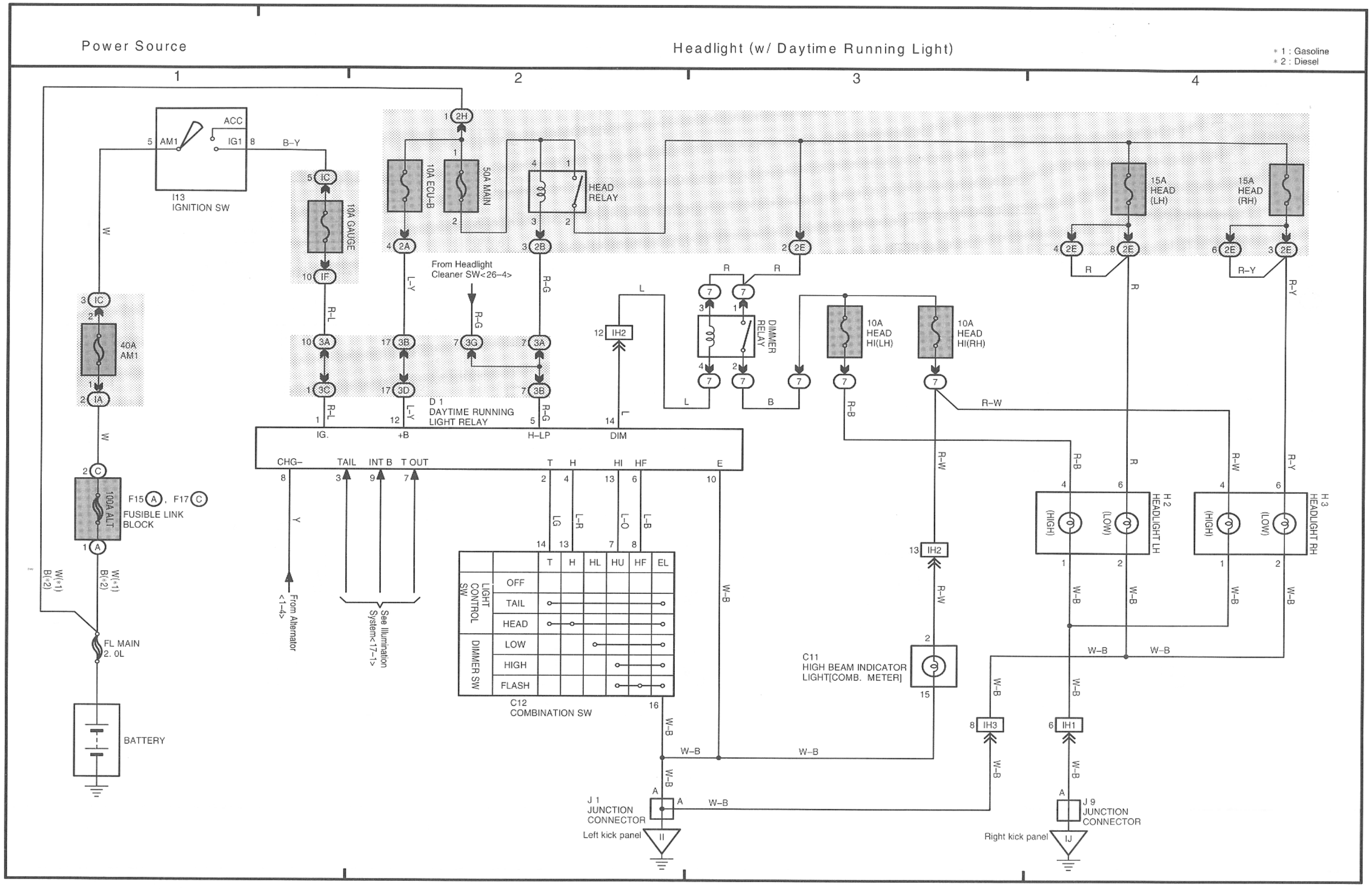
K

(Cont. next page)

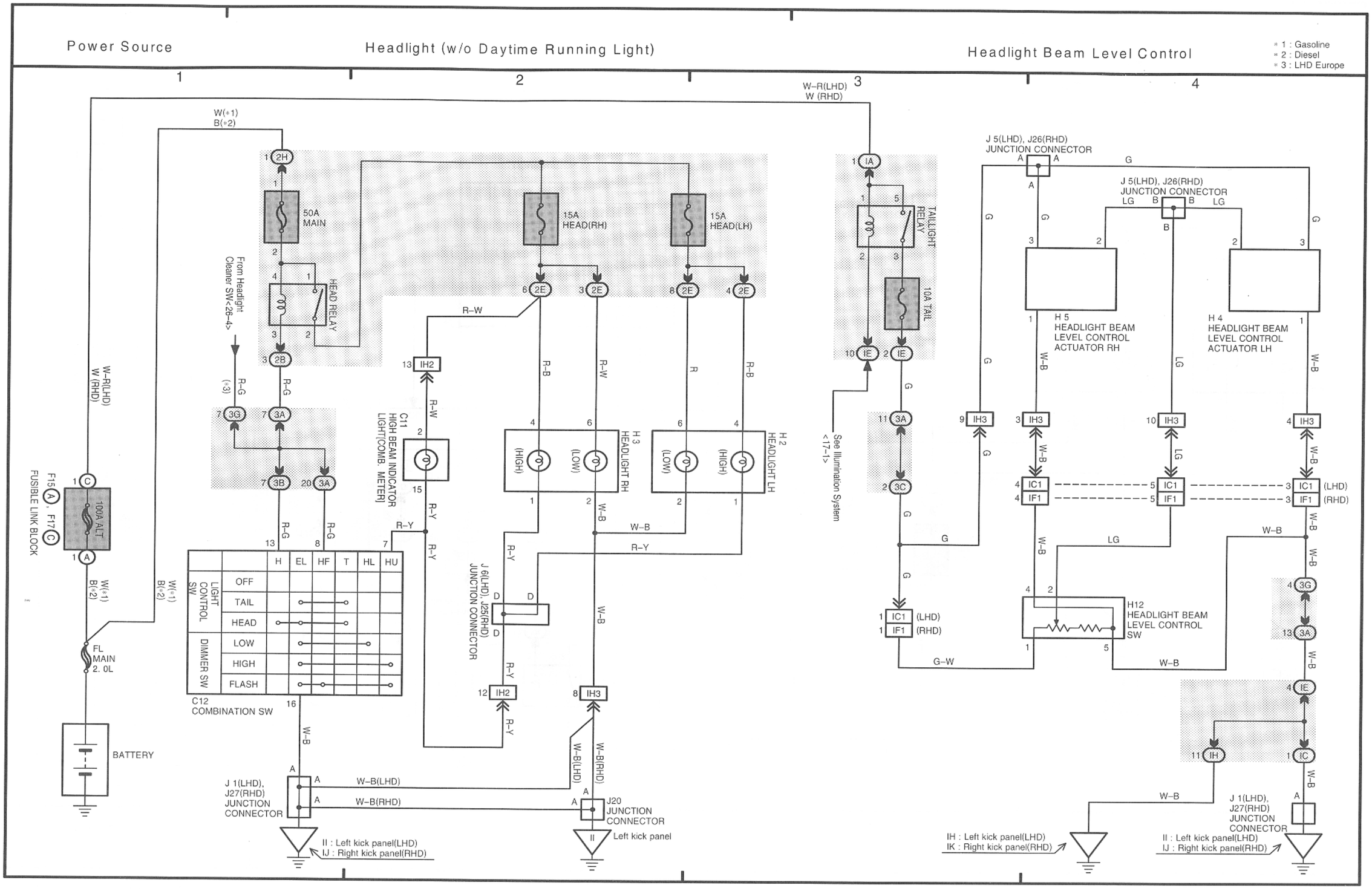



Engine Control (2C-TE)
5
6
7
8
D 8
DLC3
BAT OP1 SIL TC IG-
To Tachometer [Comb. Meter] <32-8>
J 4(LHD), J23(RHD) JUNCTION CONNECTOR
F14 FUEL TEMP. SENSOR
W 2 WATER TEMP. SENSOR
I11 INTAKE AIR TEMP. SENSOR
T 4 TURBO PRESSURE SENSOR
From ST Fuse <1-2>
To A/C Amplifier <33-4>
From Heater Relay <33-2>
From Speedometer [Comb. Meter]<32-8>
To Water Temp. Gauge [Comb. Meter]<32-8>
CHECK ENGINE
GLOW
C10 (A), C11 (B) COMBINATION METER
10A GAUGE
SIL TC TAC E2 THF THW THA PIM VC STA AC1 ACT BLM SP1 THWO W GIND
E 6 (A), E 7 (B), E 8 (C), E 9 (D) ENGINE ECU(M/T)
TDC+ TDC- E1 DATA CLK NE+ NE- E01 E02 PDL VAS E2C IDL VCC VA FAN SREL
C 3 CRANKSHAFT POSITION SENSOR
I 6 INJECTION PUMP
Data Vdd/CLK GND
E 4 ENGINE SPEED SENSOR
(Shielded)
J 7 (A), J 8 (B) (LHD), J21 (A), J22 (B) (RHD) JUNCTION CONNECTOR
J 7 (A), J 8 (B) (LHD), J21 (A), J22 (B) (RHD) JUNCTION CONNECTOR
J 7 (A) (LHD), J21 (A) (RHD) JUNCTION CONNECTOR
Near the starter
EG
A21 ACCELERATOR POSITION SW
J 9(LHD), J20(RHD) JUNCTION CONNECTOR
IJ : Right kick panel(LHD)
II : Left kick panel(RHD)
VAS EC IDL VC VA
A20 ACCELERATOR PEDAL POSITION SENSOR
From FAN NO. 1 Relay <34-6>
G 2 GLOW PLUG RELAY
IF2 IE2 IF1 (LHD) IE1 (RHD)
G 1 GLOW PLUG


Power Source
Engine Control (2C-T)
I13 IGNITION SW
ACC
IG1
IG2
ST2
AM1
AM2
40A AM1
10A ECU-B
30A AM2
100A ALT
F15 (A), F17 (C), F18 (D)
FUSIBLE LINK BLOCK
G 2 GLOW PLUG RELAY
G 1 GLOW PLUG
FL MAIN 2. 0L
BATTERY
J 9 JUNCTION CONNECTOR
Right kick panel
To A/C Amplifier <33-3>
W 2 WATER TEMP. SENSOR
A 9 ACCELERATOR PEDAL POSITION SENSOR
T 4 TURBO PRESSURE SENSOR
From Heater Relay <33-2>
To Tachometer [Comb. Meter]<32-8>
From Speedometer [Comb. Meter]<32-8>
10A GAUGE
TURBO/ GLOW
C11 COMBINATION METER
+B
+B1
BATT
AC1
ACT
E2
THW
VA
VC
PIM
BLW
TAC
SP1
E 6 (A), E 7 (B) ENGINE ECU(M/T)
STA
SREL
VEGR
EGR
VBAC
VSV
VIDL
NE+
NE-
TE1
E1
E01
E02
GIND
V 5 VSV(EGR)
V 3 VRV(EGR)
V 4 VSV(BACS)
V10 VSV(Turbo Pressure Sensor)
V 8 VSV(Idle-Up)
From ST Fuse <1-2>
I 6 INJECTION PUMP
C 2 CHECK CONNECTOR
VF1
Near the starter


Power Source
Headlight (w/ Daytime Running Light)
* 1 : Gasoline
* 2 : Diesel
1
2
3
4
ACC
AM1
IG1
B-Y
I13
IGNITION SW
10A GAUGE
40A AM1
100A ALT
F15 A , F17 C
FUSIBLE LINK BLOCK
FL MAIN 2. 0L
BATTERY
10A ECU-B
50A MAIN
HEAD RELAY
From Headlight Cleaner SW<26-4>
D 1 DAYTIME RUNNING LIGHT RELAY
IG.
+B
H-LP
DIM
CHG-
TAIL
INT B
T OUT
From Alternator <1-4>
See Illumination System<17-1>
LIGHT CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
C12 COMBINATION SW
DIMMER RELAY
15A HEAD (LH)
15A HEAD (RH)
10A HEAD HI(LH)
10A HEAD HI(RH)
C11 HIGH BEAM INDICATOR LIGHT[COMB. METER]
H 2 HEADLIGHT LH
H 3 HEADLIGHT RH
(HIGH)
(LOW)
J 1 JUNCTION CONNECTOR
Left kick panel
J 9 JUNCTION CONNECTOR
Right kick panel

K


Power Source
Headlight (w/o Daytime Running Light)
Headlight Beam Level Control
* 1 : Gasoline
* 2 : Diesel
* 3 : LHD Europe
1
2
3
4
W(*1)
B(*2)
W-R(LHD)
W (RHD)
50A MAIN
HEAD RELAY
From Headlight Cleaner SW<26-4>
100A ALT
FUSIBLE LINK BLOCK
F15 (A), F17 (C)
FL MAIN 2. 0L
BATTERY
15A HEAD(RH)
15A HEAD(LH)
R-W
R-B
R
R-G
R-Y
W-B
C11 HIGH BEAM INDICATOR LIGHT[COMB. METER]
H 3 HEADLIGHT RH
H 2 HEADLIGHT LH
(HIGH)
(LOW)
J 6(LHD), J25(RHD) JUNCTION CONNECTOR
C12 COMBINATION SW
LIGHT CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
H
EL
HF
T
HL
HU
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
W-B(LHD)
W-B(RHD)
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
J20 JUNCTION CONNECTOR
Left kick panel
See Illumination System <17-1>
TAILLIGHT RELAY
10A TAIL
J 5(LHD), J26(RHD) JUNCTION CONNECTOR
LG
G
H 5 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RH
H 4 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH
IC1 (LHD)
IF1 (RHD)
H12 HEADLIGHT BEAM LEVEL CONTROL SW
G-W
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)

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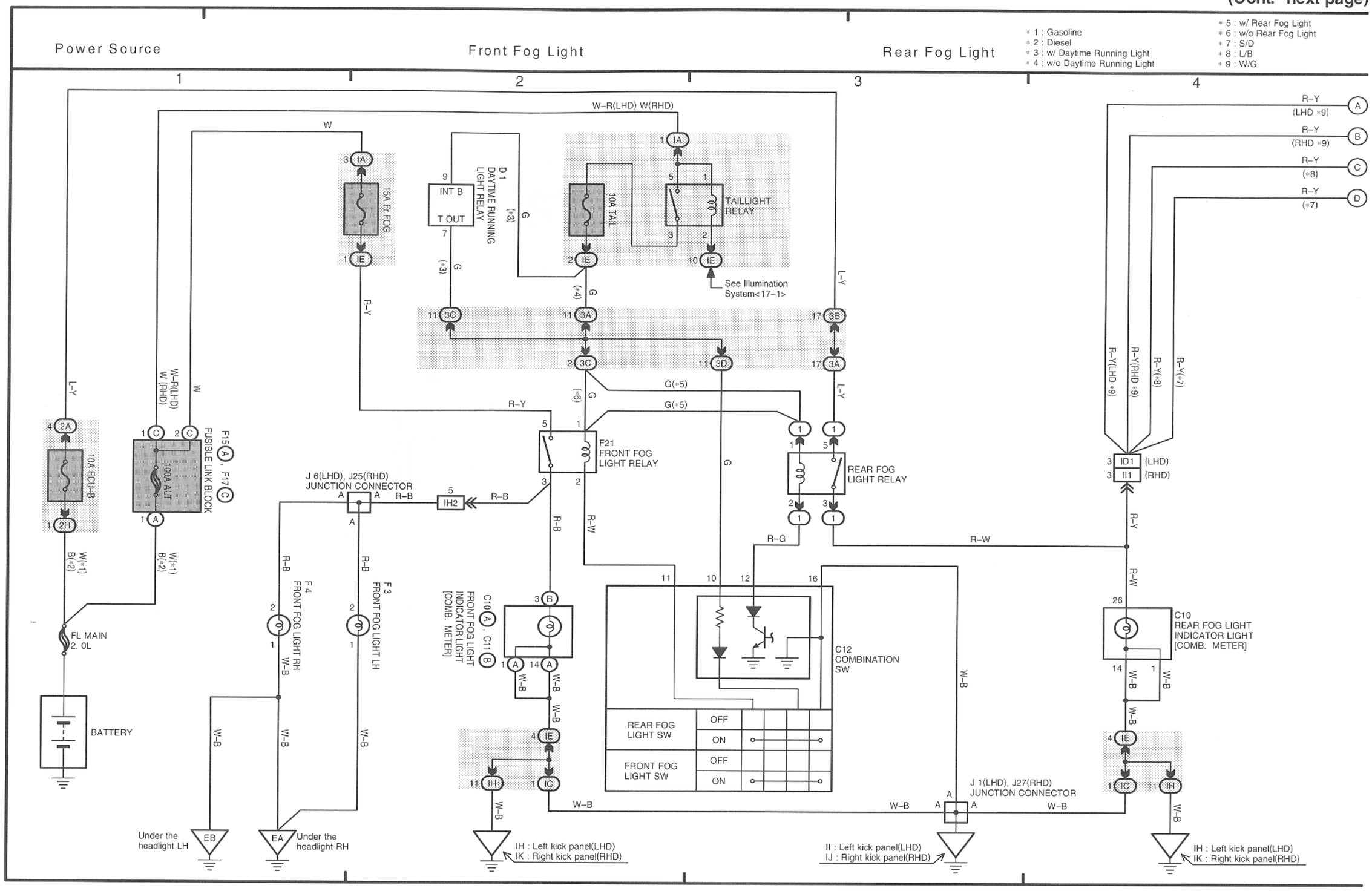
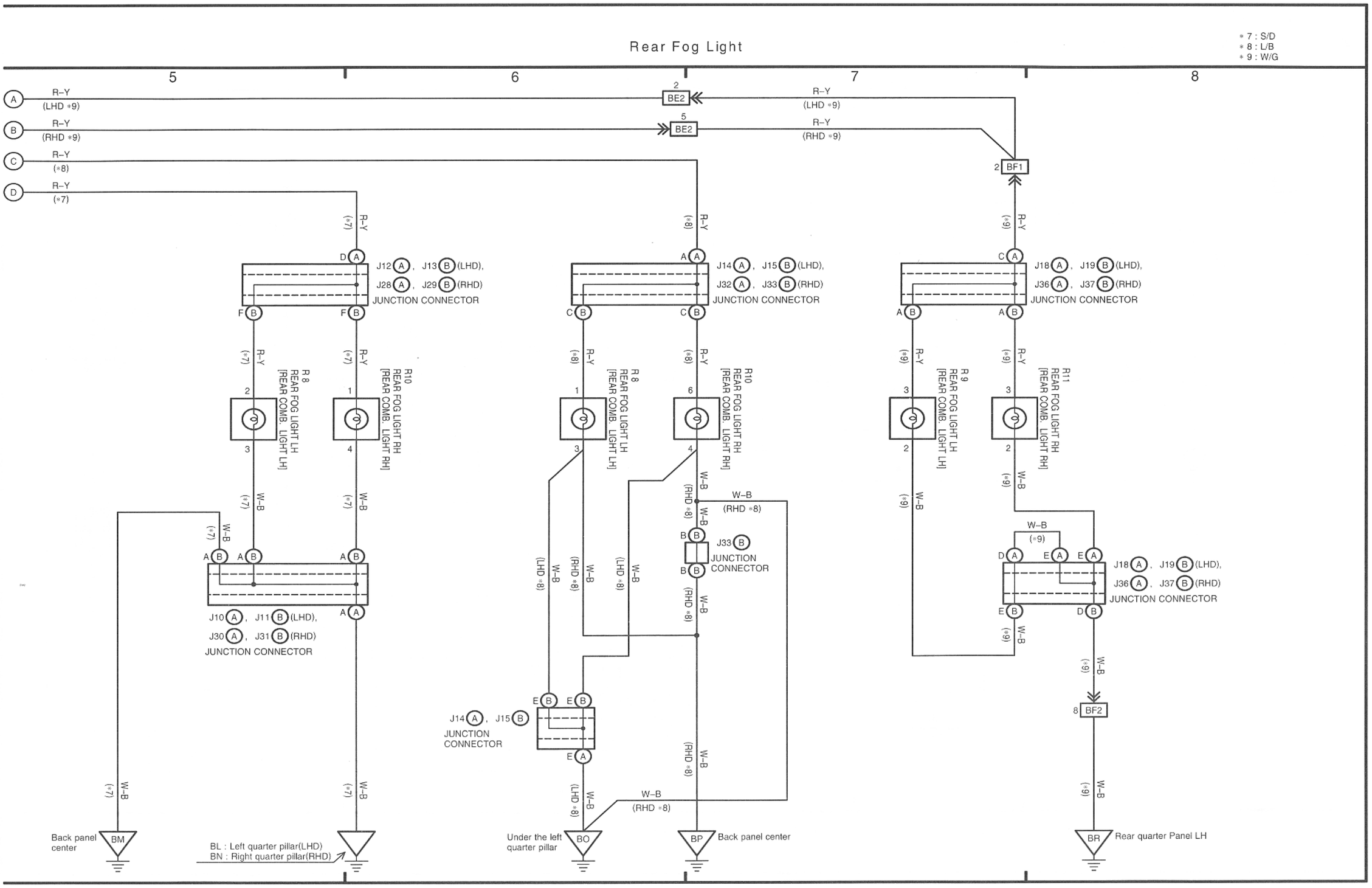
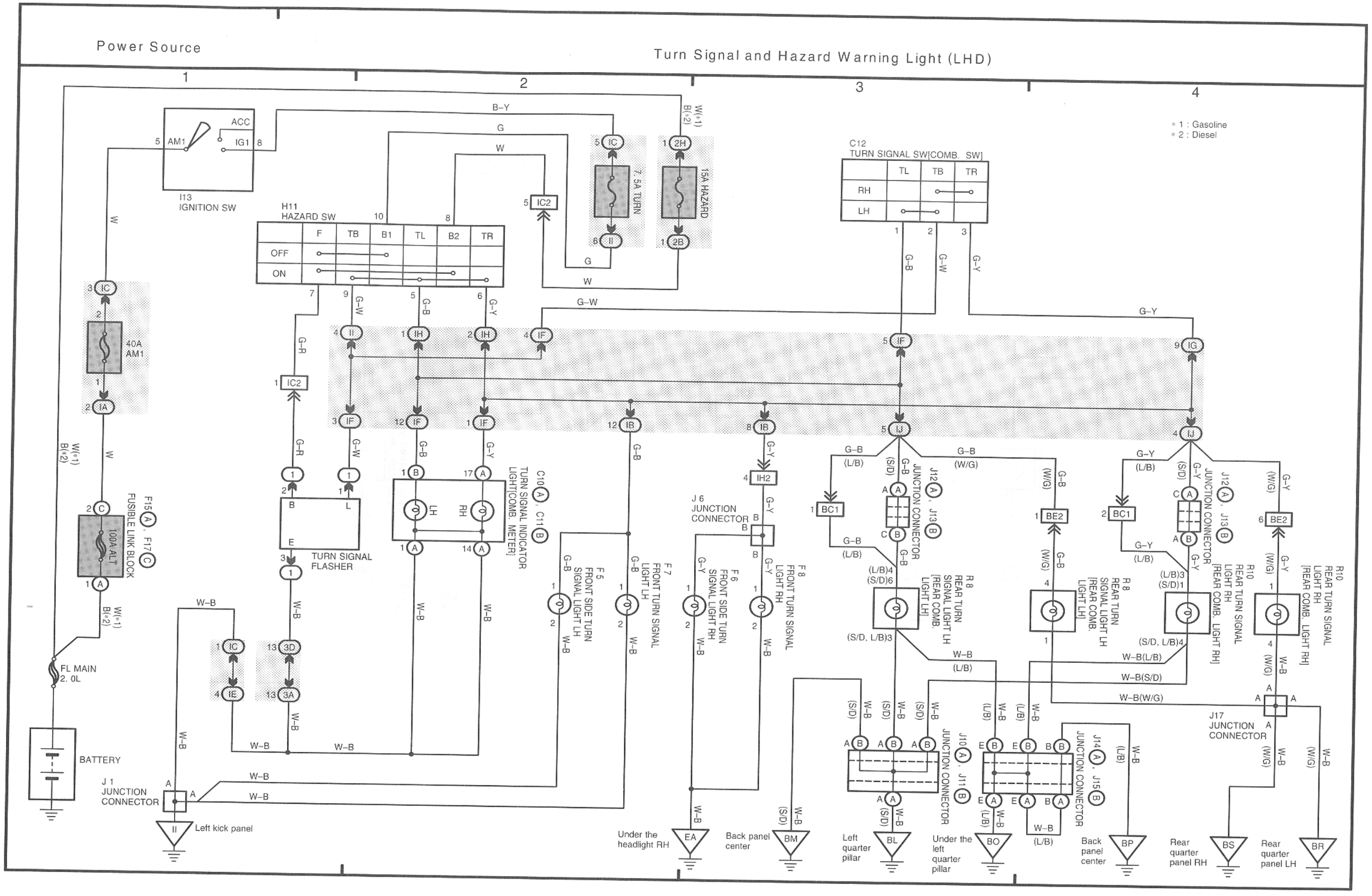
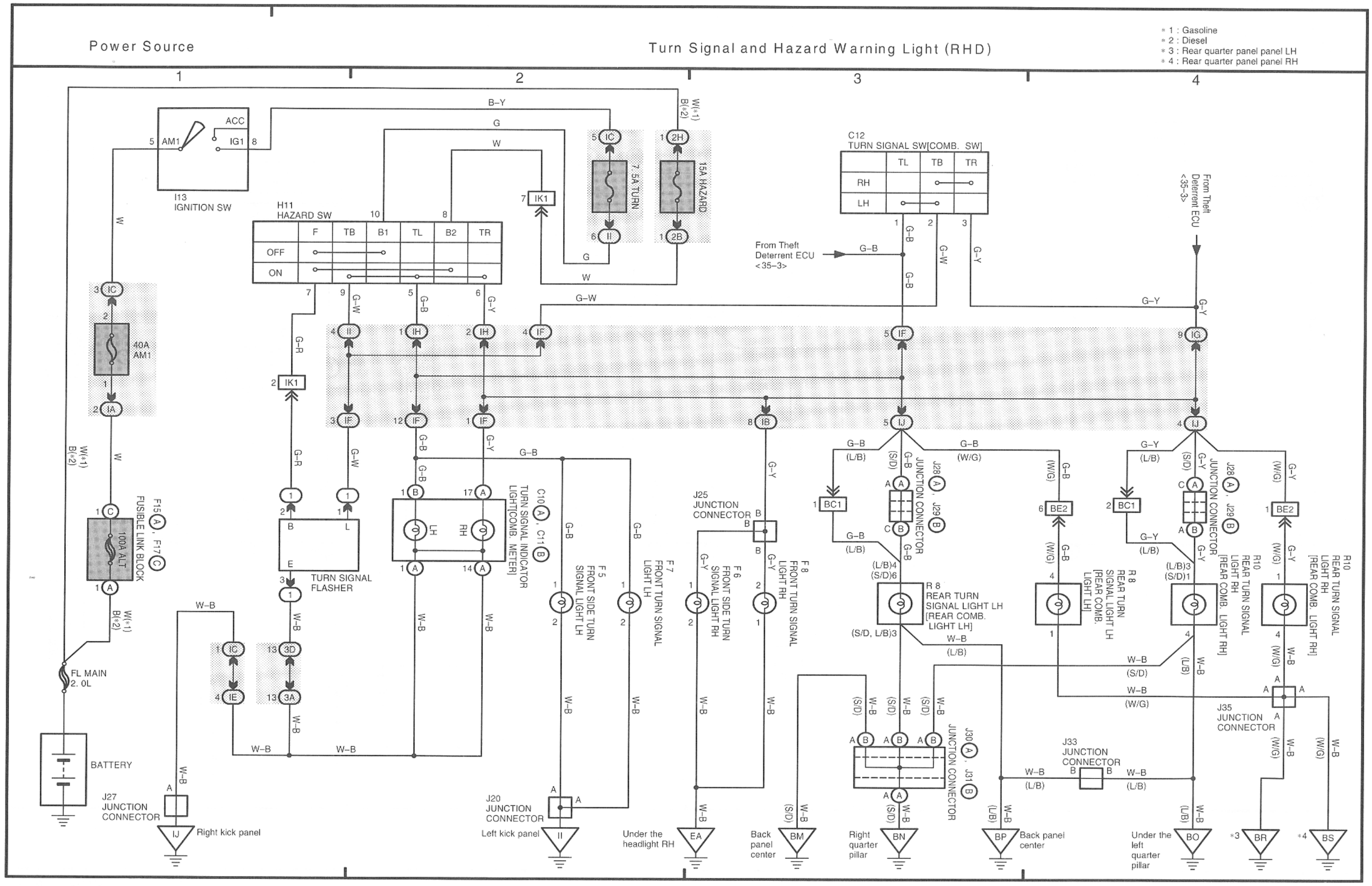
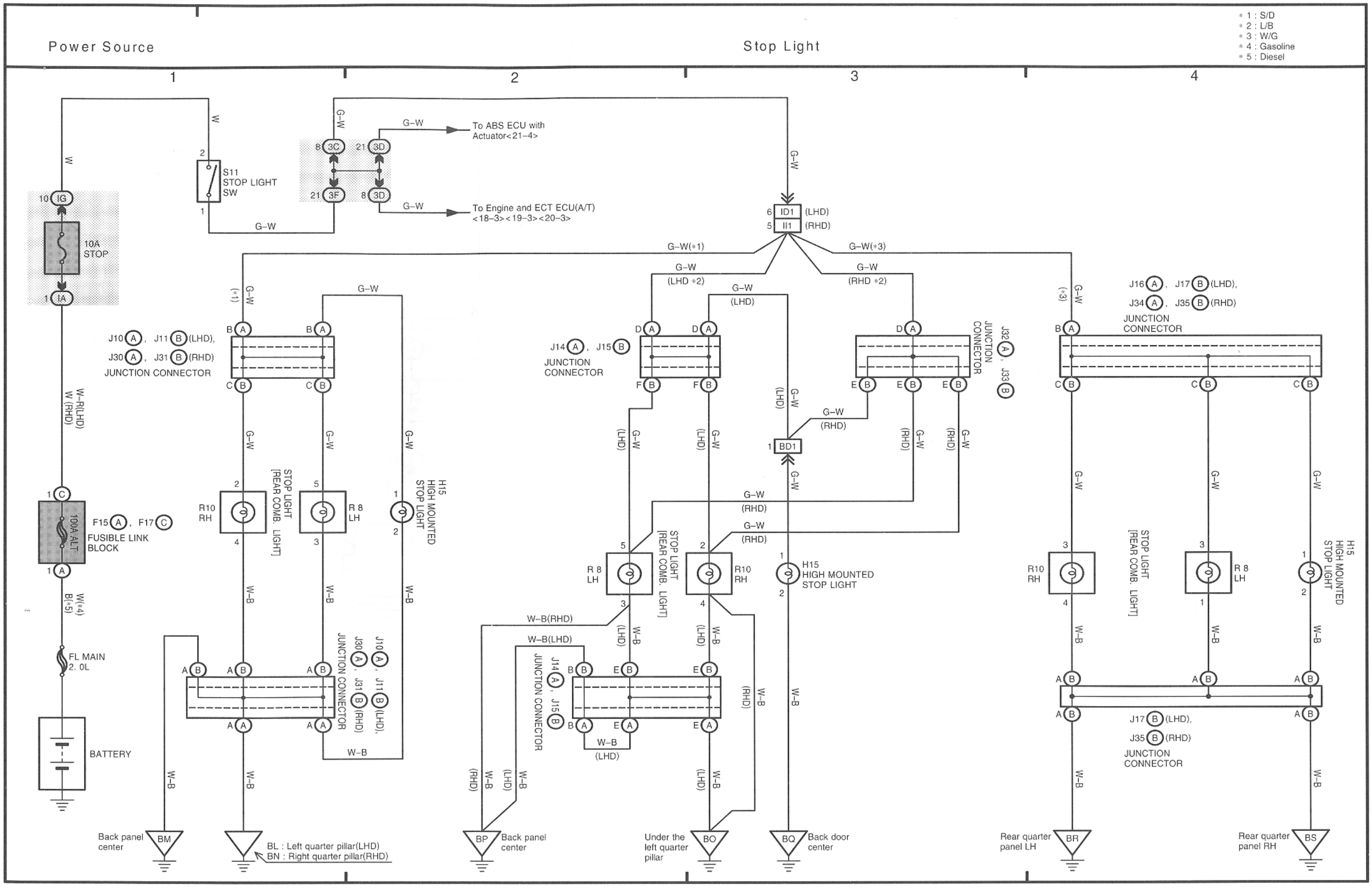


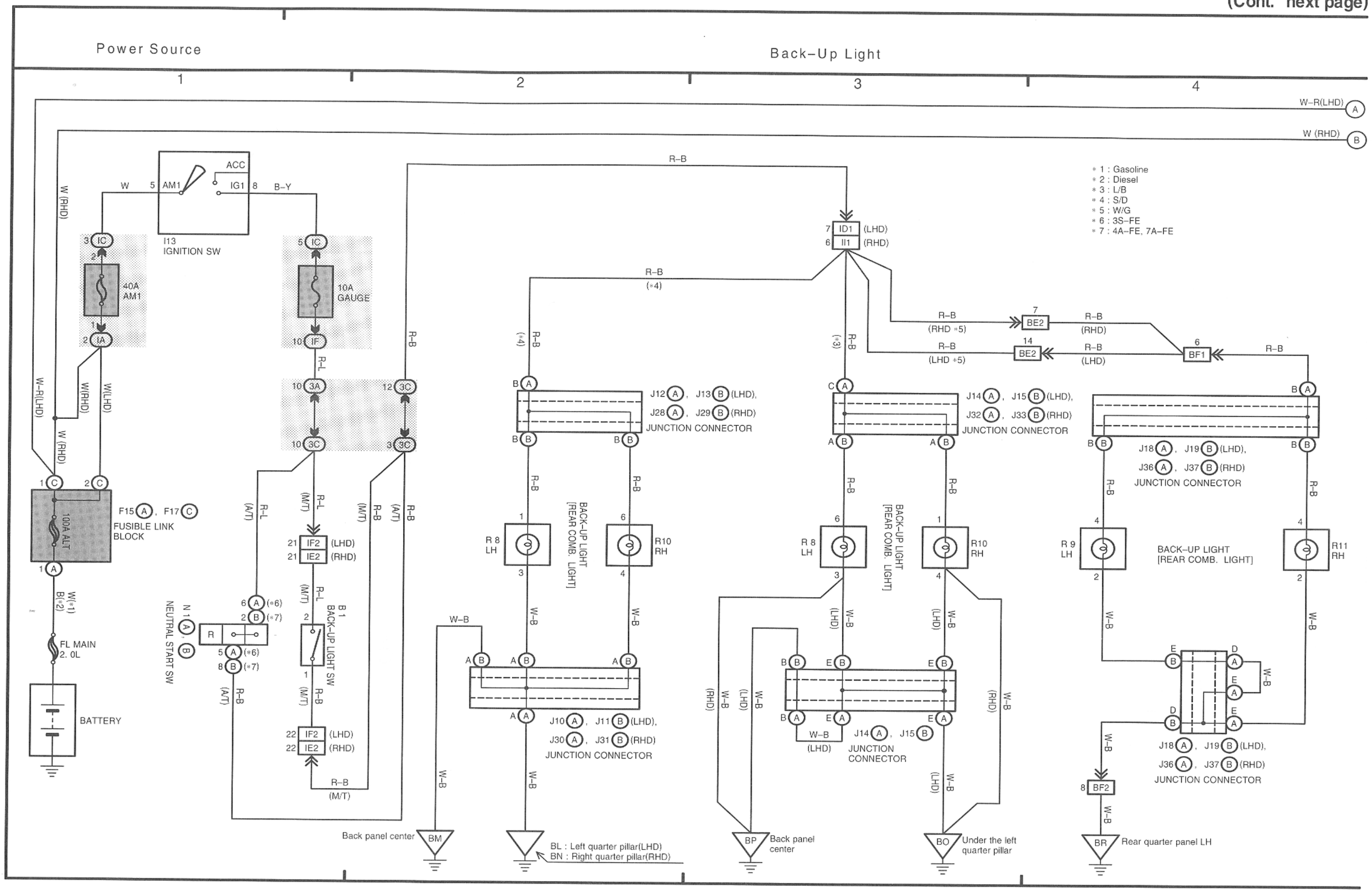

Rear Fog Light
* 7 : S/D
* 8 : L/B
* 9 : W/G
5
6
7
8
A R-Y (LHD *9)
B R-Y (RHD *9)
C R-Y (*8)
D R-Y (*7)
2 BE2
5 BE2
R-Y (LHD *9)
R-Y (RHD *9)
2 BF1
J12 A, J13 B (LHD), J28 A, J29 B (RHD) JUNCTION CONNECTOR
J14 A, J15 B (LHD), J32 A, J33 B (RHD) JUNCTION CONNECTOR
J18 A, J19 B (LHD), J36 A, J37 B (RHD) JUNCTION CONNECTOR
R 8 REAR FOG LIGHT LH [REAR COMB. LIGHT LH]
R10 REAR FOG LIGHT RH [REAR COMB. LIGHT RH]
R 9 REAR FOG LIGHT LH [REAR COMB. LIGHT LH]
R11 REAR FOG LIGHT RH [REAR COMB. LIGHT RH]
W-B (*7)
W-B (*8)
W-B (*9)
W-B (RHD *8)
W-B (LHD *8)
W-B (RHD *8)
J33 B JUNCTION CONNECTOR
J10 A, J11 B (LHD), J30 A, J31 B (RHD) JUNCTION CONNECTOR
J14 A, J15 B JUNCTION CONNECTOR
J18 A, J19 B (LHD), J36 A, J37 B (RHD) JUNCTION CONNECTOR
8 BF2
Back panel center BM
BL : Left quarter pillar(LHD)
BN : Right quarter pillar(RHD)
Under the left quarter pillar BO
BP Back panel center
BR Rear quarter Panel LH

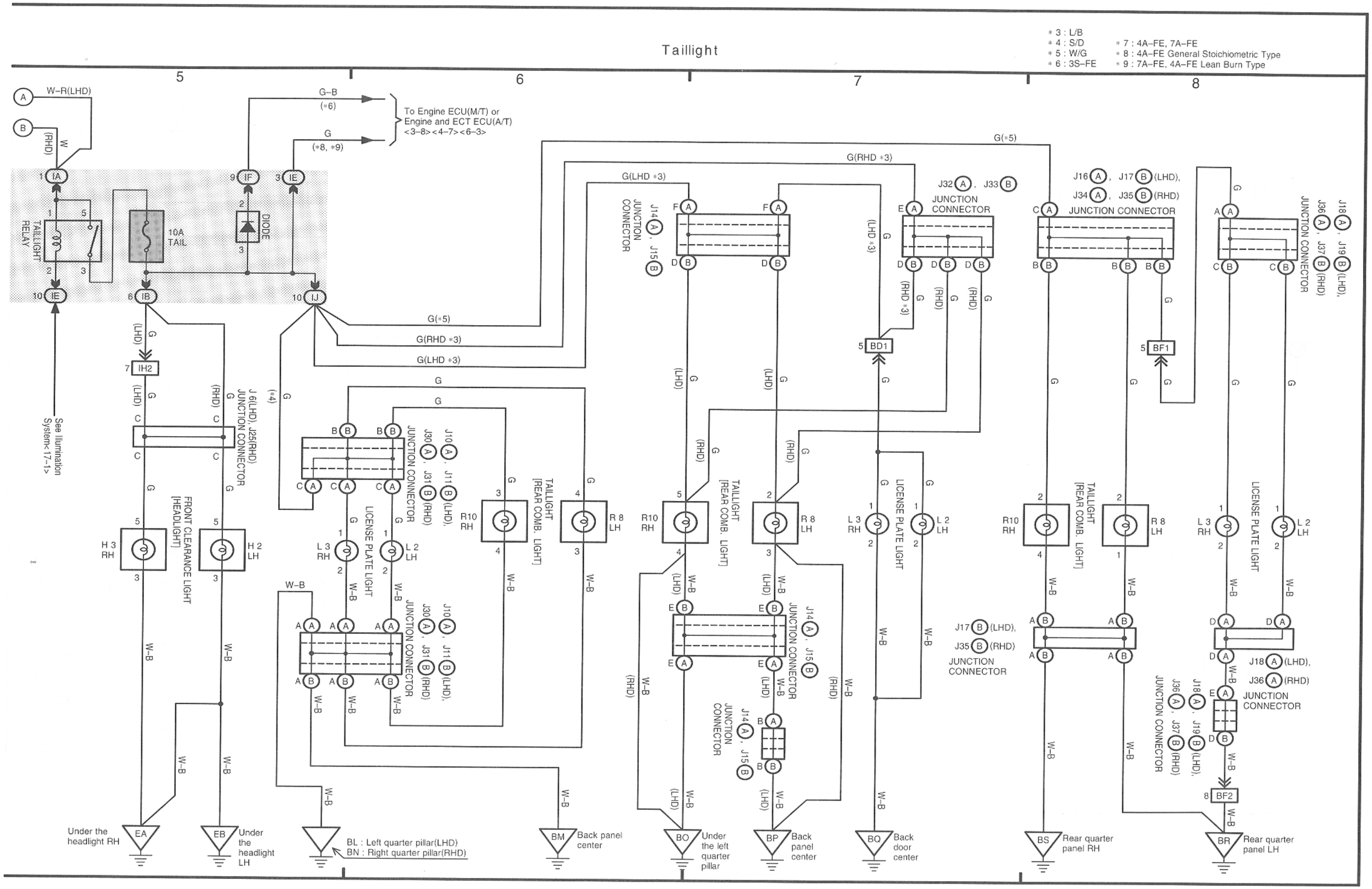

Power Source
Turn Signal and Hazard Warning Light (LHD)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
I13
IGNITION SW
ACC
AM1
IG1
H11
HAZARD SW
F
TB
B1
TL
B2
TR
OFF
ON
C12
TURN SIGNAL SW[COMB. SW]
RH
LH
7.5A TURN
15A HAZARD
40A AM1
FUSIBLE LINK BLOCK
100A ALT
F15, F17
FL MAIN 2.0L
BATTERY
J 1 JUNCTION CONNECTOR
Left kick panel
TURN SIGNAL FLASHER
TURN SIGNAL INDICATOR LIGHT[COMB. METER]
C10, C11
F5 FRONT SIDE TURN SIGNAL LIGHT LH
F7 FRONT TURN SIGNAL LIGHT LH
F6 FRONT SIDE TURN SIGNAL LIGHT RH
F8 FRONT TURN SIGNAL LIGHT RH
J 6 JUNCTION CONNECTOR
JUNCTION CONNECTOR
J12, J13
R 8 REAR TURN SIGNAL LIGHT LH [REAR COMB. LIGHT LH]
R10 REAR TURN SIGNAL LIGHT RH [REAR COMB. LIGHT RH]
J10, J11
J14, J15
J17 JUNCTION CONNECTOR
Under the headlight RH
Back panel center
Left quarter pillar
Under the left quarter pillar
Back panel center
Rear quarter panel RH
Rear quarter panel LH
EA
BM
BL
BO
BP
BS
BR

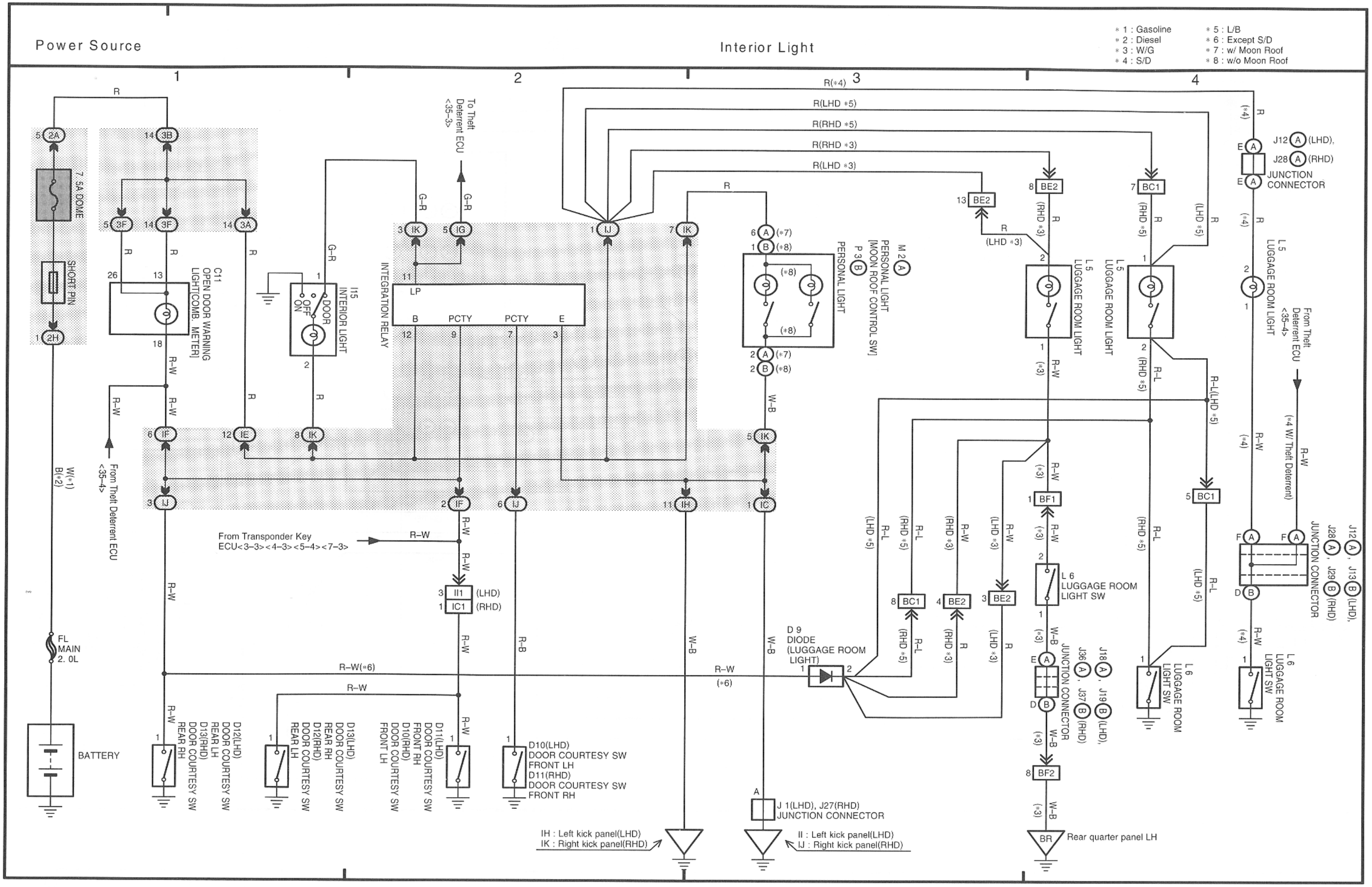

Power Source
Turn Signal and Hazard Warning Light (RHD)
* 1 : Gasoline
* 2 : Diesel
* 3 : Rear quarter panel panel LH
* 4 : Rear quarter panel panel RH
1
2
3
4
I13
IGNITION SW
ACC
IG1
AM1
H11
HAZARD SW
F
TB
B1
TL
B2
TR
OFF
ON
7.5A TURN
15A HAZARD
C12
TURN SIGNAL SW[COMB. SW]
RH
LH
From Theft Deterrent ECU <35-3>
40A AM1
FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
TURN SIGNAL FLASHER
TURN SIGNAL INDICATOR LIGHT[COMB. METER]
F5 FRONT SIDE TURN SIGNAL LIGHT LH
F6 FRONT SIDE TURN SIGNAL LIGHT RH
F7 FRONT TURN SIGNAL LIGHT LH
F8 FRONT TURN SIGNAL LIGHT RH
J25 JUNCTION CONNECTOR
J28 JUNCTION CONNECTOR
J29 JUNCTION CONNECTOR
R 8 REAR TURN SIGNAL LIGHT LH [REAR COMB. LIGHT LH]
R 8 REAR TURN SIGNAL LIGHT LH [REAR COMB. LIGHT LH]
R10 REAR TURN SIGNAL LIGHT RH [REAR COMB. LIGHT RH]
R10 REAR TURN SIGNAL LIGHT RH [REAR COMB. LIGHT RH]
J30 JUNCTION CONNECTOR
J31 JUNCTION CONNECTOR
J33 JUNCTION CONNECTOR
J35 JUNCTION CONNECTOR
J27 JUNCTION CONNECTOR
J20 JUNCTION CONNECTOR
Right kick panel
Left kick panel
Under the headlight RH
Back panel center
Right quarter pillar
Back panel center
Under the left quarter pillar

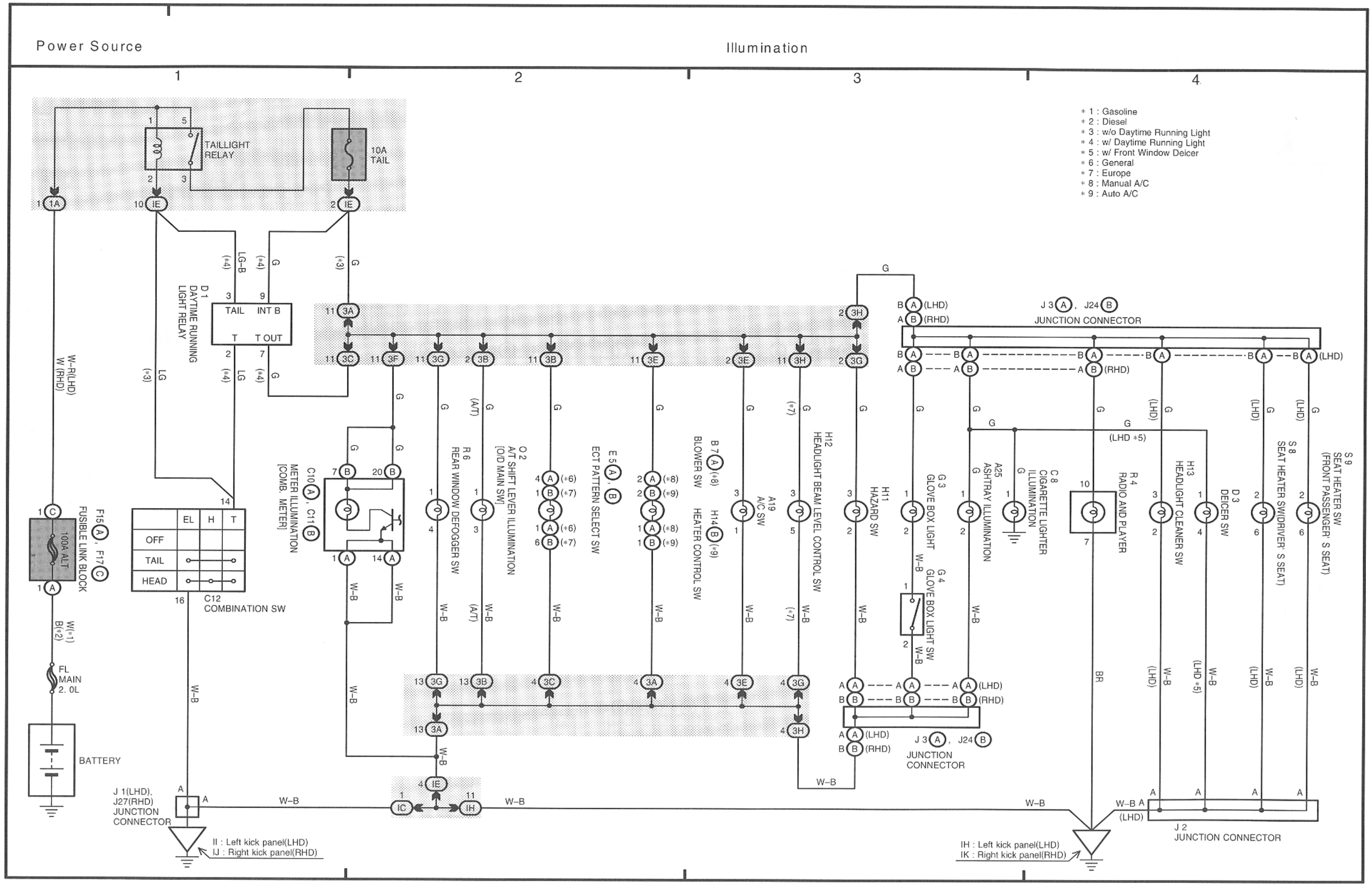

Power Source
Stop Light
* 1 : S/D
* 2 : L/B
* 3 : W/G
* 4 : Gasoline
* 5 : Diesel
1
2
3
4
10 IG
10A STOP
1 IA
W
S11 STOP LIGHT SW
G-W
To ABS ECU with Actuator<21-4>
To Engine and ECT ECU(A/T) <18-3><19-3><20-3>
6 ID1 (LHD)
5 II1 (RHD)
G-W(*1)
G-W(*3)
G-W (LHD *2)
G-W (RHD *2)
G-W (LHD)
G-W (RHD)
J10 A, J11 B (LHD), J30 A, J31 B (RHD)
JUNCTION CONNECTOR
J14 A, J15 B
JUNCTION CONNECTOR
J32 A, J33 B
JUNCTION CONNECTOR
J16 A, J17 B (LHD), J34 A, J35 B (RHD)
JUNCTION CONNECTOR
W-R(LHD)
W (RHD)
1 C
100A ALT
F15 A, F17 C
FUSIBLE LINK BLOCK
1 A
W(*4)
B(*5)
FL MAIN 2. 0L
BATTERY
R10 RH
R 8 LH
STOP LIGHT [REAR COMB. LIGHT]
H15 HIGH MOUNTED STOP LIGHT
1 BD1
W-B
W-B(RHD)
W-B(LHD)
J14 A, J15 B
JUNCTION CONNECTOR
J10 A, J11 B (LHD), J30 A, J31 B (RHD)
JUNCTION CONNECTOR
J17 B (LHD), J35 B (RHD)
JUNCTION CONNECTOR
Back panel center
BM
BL : Left quarter pillar(LHD)
BN : Right quarter pillar(RHD)
BP
Back panel center
Under the left quarter pillar
BO
BQ
Back door center
Rear quarter panel LH
BR
Rear quarter panel RH
BS

(Cont. next page)

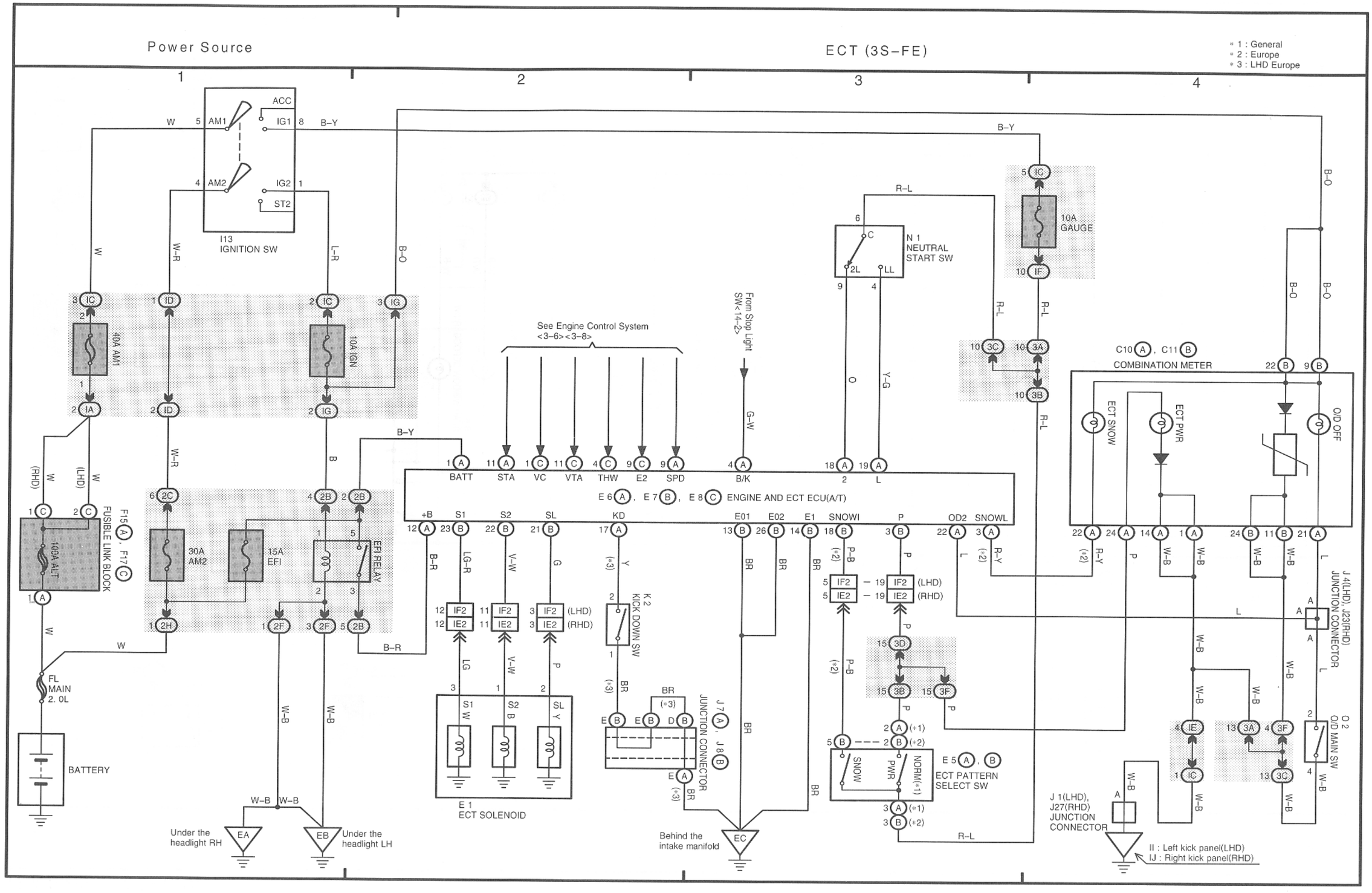


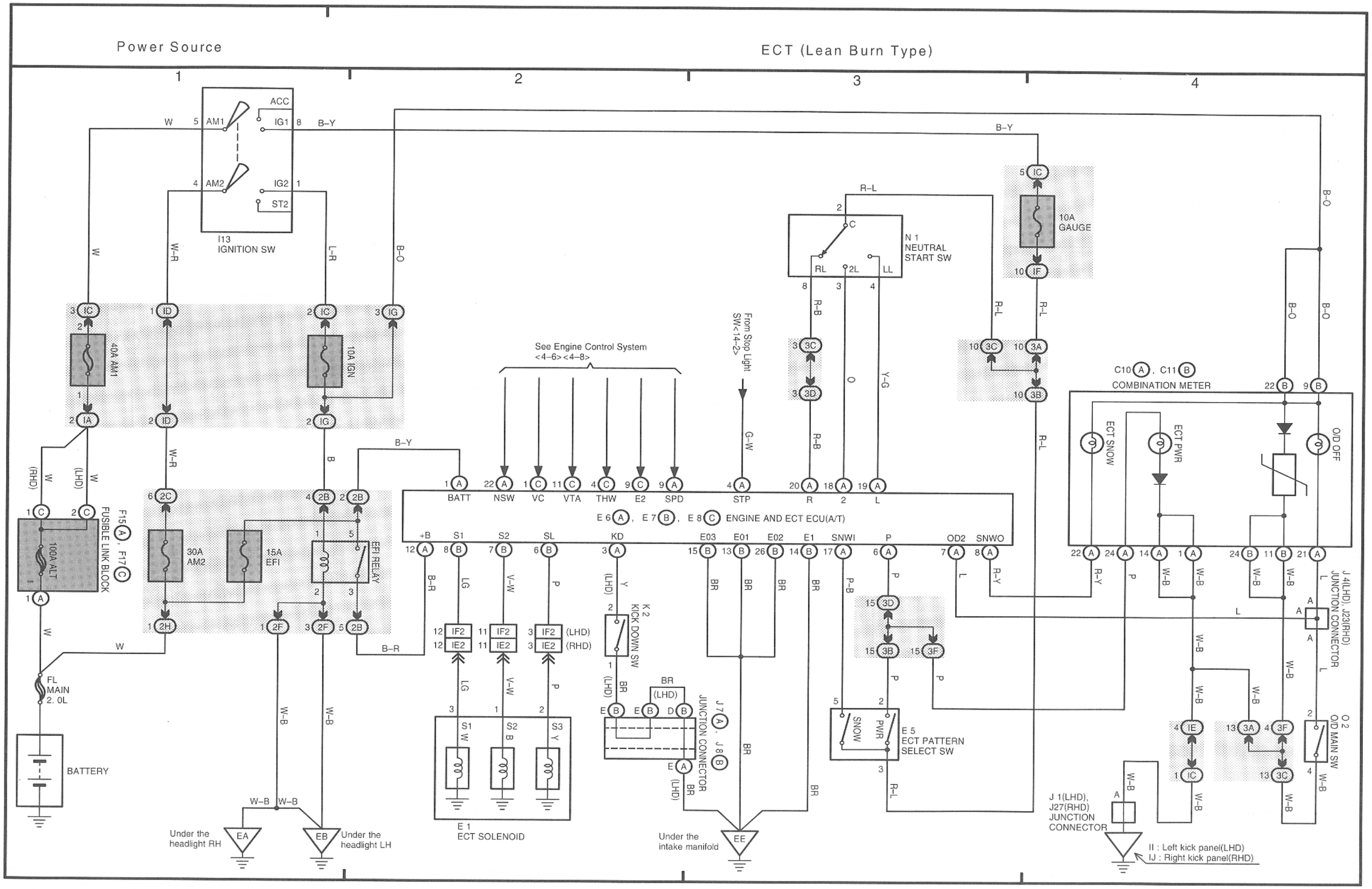

Taillight
* 3 : L/B
* 4 : S/D
* 5 : W/G
* 6 : 3S-FE
* 7 : 4A-FE, 7A-FE
* 8 : 4A-FE General Stoichiometric Type
* 9 : 7A-FE, 4A-FE Lean Burn Type
5
6
7
8
W-R(LHD)
G-B
(*6)
G
(*8, *9)
To Engine ECU(M/T) or Engine and ECT ECU(A/T) <3-8><4-7><6-3>
TAILLIGHT RELAY
10A TAIL
DIODE
G(*5)
G(RHD *3)
G(LHD *3)
JUNCTION CONNECTOR
J32 A, J33 B
J16 A, J17 B (LHD), J34 A, J35 B (RHD)
J18 A, J19 B (LHD), J36 A, J37 B (RHD)
IH2
See Illumination System<17-1>
J6(LHD), J25(RHD)
FRONT CLEARANCE LIGHT [HEADLIGHT]
H 3 RH
H 2 LH
LICENSE PLATE LIGHT
L 3 RH
L 2 LH
J10 A, J11 B (LHD), J30 A, J31 B (RHD)
TAILLIGHT [REAR COMB. LIGHT]
R10 RH
R 8 LH
BD1
BF1
BF2
W-B
Under the headlight RH
EA
EB
Under the headlight LH
BL : Left quarter pillar(LHD)
BN : Right quarter pillar(RHD)
BM
Back panel center
BO
Under the left quarter pillar
BP
Back panel center
BQ
Back door center
BS
Rear quarter panel RH
BR
Rear quarter panel LH


Power Source
Interior Light
* 1 : Gasoline
* 2 : Diesel
* 3 : W/G
* 4 : S/D
* 5 : L/B
* 6 : Except S/D
* 7 : w/ Moon Roof
* 8 : w/o Moon Roof
7.5A DOME
SHORT PIN
C11 OPEN DOOR WARNING LIGHT[COMB. METER]
I15 INTERIOR LIGHT
INTEGRATION RELAY
To Theft Deterrent ECU <35-3>
From Theft Deterrent ECU <35-4>
From Theft Deterrent ECU <35-4>
From Transponder Key ECU<3-3><4-3><5-4><7-3>
FL MAIN 2. 0L
BATTERY
D12(LHD) DOOR COURTESY SW REAR LH
D13(RHD) DOOR COURTESY SW REAR RH
D13(LHD) DOOR COURTESY SW REAR RH
D12(RHD) DOOR COURTESY SW REAR LH
D11(LHD) DOOR COURTESY SW FRONT RH
D10(RHD) DOOR COURTESY SW FRONT LH
D10(LHD) DOOR COURTESY SW FRONT LH
D11(RHD) DOOR COURTESY SW FRONT RH
M 2 PERSONAL LIGHT [MOON ROOF CONTROL SW]
P 3 PERSONAL LIGHT
L 5 LUGGAGE ROOM LIGHT
L 6 LUGGAGE ROOM LIGHT SW
D 9 DIODE (LUGGAGE ROOM LIGHT)
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
J12 (LHD), J28 (RHD) JUNCTION CONNECTOR
J12, J13 (LHD), J28, J29 (RHD) JUNCTION CONNECTOR
J18, J19 (LHD), J36, J37 (RHD) JUNCTION CONNECTOR
BR Rear quarter panel LH
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)

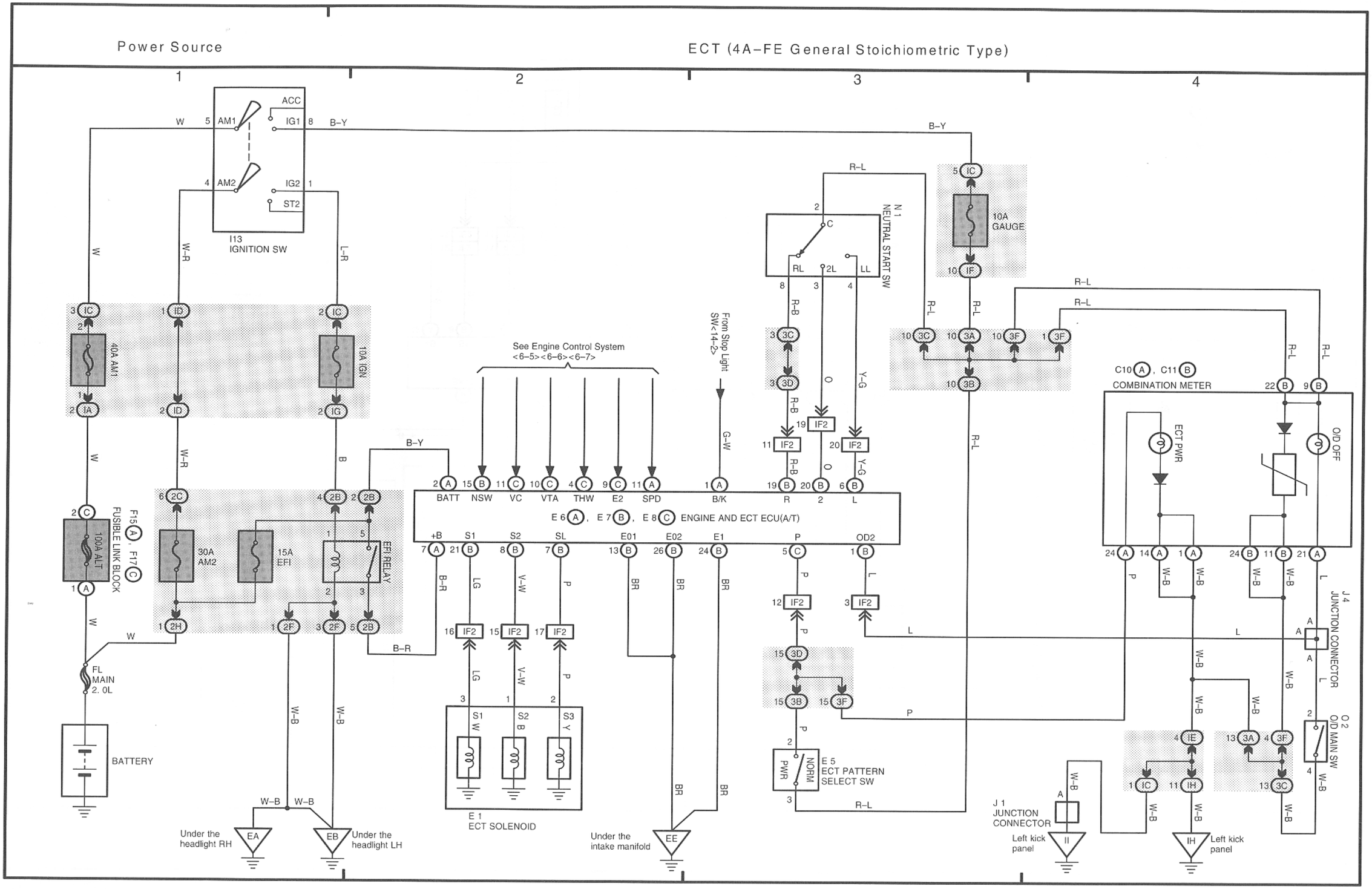

Power Source
Illumination
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/o Daytime Running Light
* 4 : w/ Daytime Running Light
* 5 : w/ Front Window Deicer
* 6 : General
* 7 : Europe
* 8 : Manual A/C
* 9 : Auto A/C
TAILLIGHT RELAY
10A TAIL
D 1 DAYTIME RUNNING LIGHT RELAY
TAIL
INT B
T
T OUT
W-R(LHD)
W (RHD)
FUSIBLE LINK BLOCK
F15 (A), F17 (C)
10A ALT
FL MAIN 2. 0L
BATTERY
C12 COMBINATION SW
EL
H
T
OFF
TAIL
HEAD
C10 (A), C11 (B)
METER ILLUMINATION [COMB. METER]
R 6 REAR WINDOW DEFOGGER SW
O 2 A/T SHIFT LEVER ILLUMINATION [O/D MAIN SW]
E 5 (A), (B) ECT PATTERN SELECT SW
B 7 (A) (*8) H14 (B) (*9) BLOWER SW HEATER CONTROL SW
A19 A/C SW
H12 HEADLIGHT BEAM LEVEL CONTROL SW
H11 HAZARD SW
G 3 GLOVE BOX LIGHT
G 4 GLOVE BOX LIGHT SW
A25 ASHTRAY ILLUMINATION
C 8 CIGARETTE LIGHTER ILLUMINATION
R 4 RADIO AND PLAYER
H13 HEADLIGHT CLEANER SW
D 3 DEICER SW
S 8 SEAT HEATER SW(DRIVER' S SEAT)
S 9 SEAT HEATER SW (FRONT PASSENGER' S SEAT)
J 3 (A), J24 (B)
JUNCTION CONNECTOR
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
J 2 JUNCTION CONNECTOR
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)

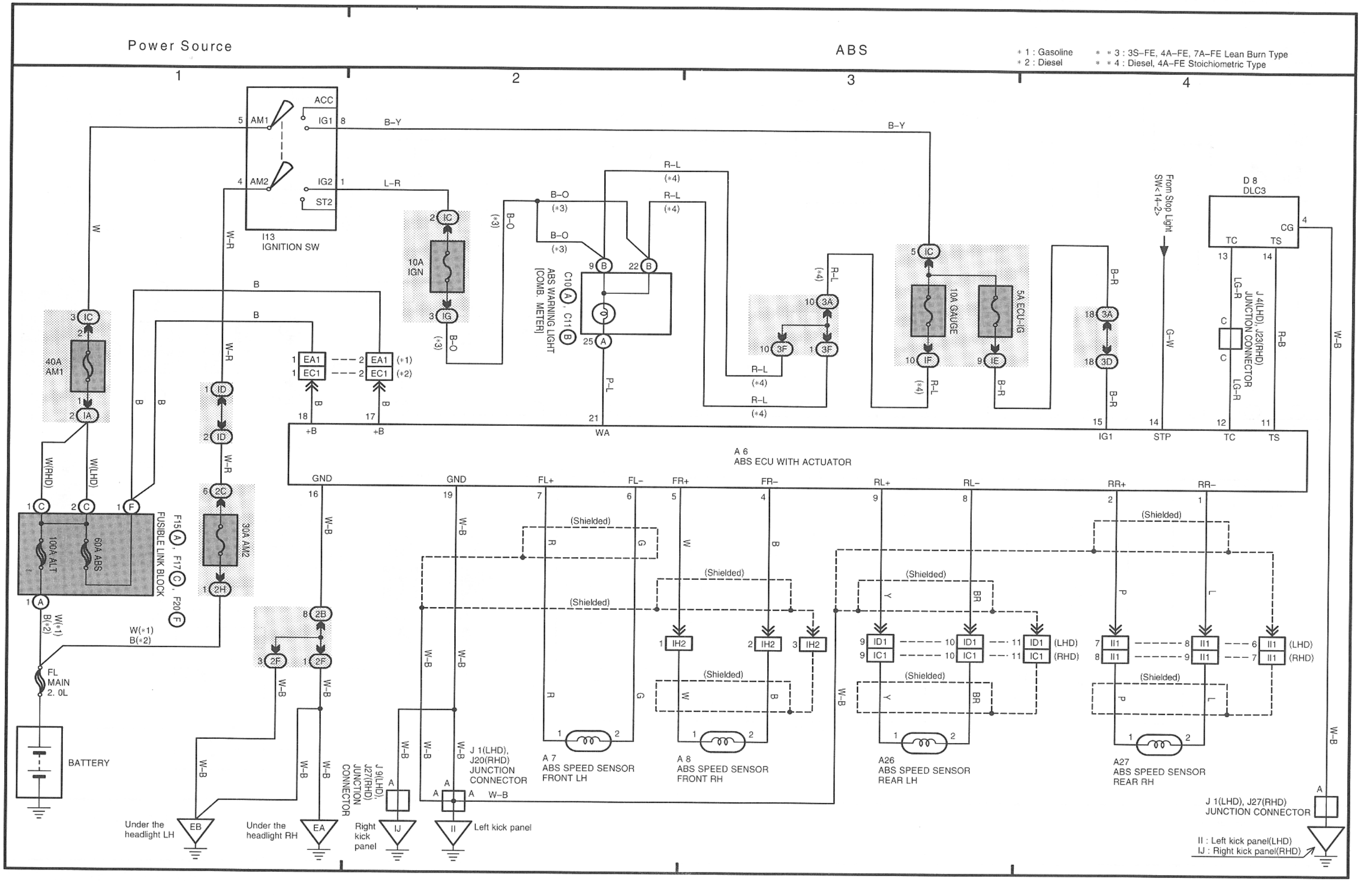
K


Power Source
ECT (3S-FE)
* 1 : General
* 2 : Europe
* 3 : LHD Europe
I13 IGNITION SW
ACC
IG1
IG2
ST2
AM1
AM2
40A AM1
10A IGN
10A GAUGE
N 1 NEUTRAL START SW
See Engine Control System <3-6><3-8>
From Stop Light SW<14-2>
C10 (A), C11 (B) COMBINATION METER
ECT SNOW
ECT PWR
O/D OFF
BATT
STA
VC
VTA
THW
E2
SPD
B/K
E 6 (A), E 7 (B), E 8 (C) ENGINE AND ECT ECU(A/T)
+B
S1
S2
SL
KD
E01
E02
E1
SNOWI
P
OD2
SNOWL
FUSIBLE LINK BLOCK
F15 (A), F17 (C)
100A ALT
30A AM2
15A EFI
EFI RELAY
FL MAIN 2. 0L
BATTERY
E 1 ECT SOLENOID
K 2 KICK DOWN SW
JUNCTION CONNECTOR
J 7 (A), J 8 (B)
E 5 (A), (B) ECT PATTERN SELECT SW
SNOW
PWR
NORM(*1)
J 4(LHD), J23(RHD) JUNCTION CONNECTOR
O 2 O/D MAIN SW
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
Under the headlight RH
Under the headlight LH
Behind the intake manifold
EA
EB
EC

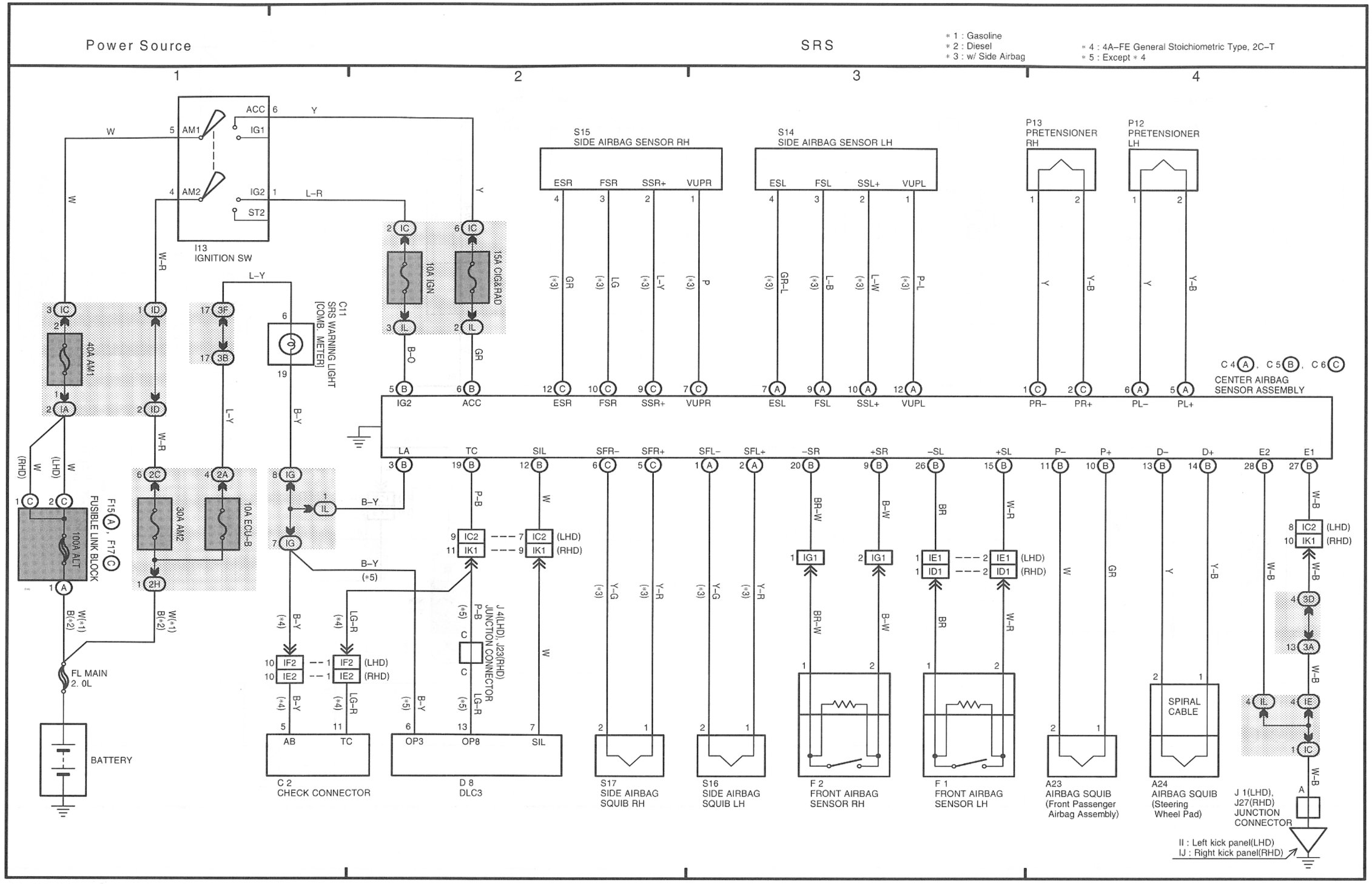

Power Source
ECT (Lean Burn Type)
1
2
3
4
ACC
AM1
IG1
AM2
IG2
ST2
I13
IGNITION SW
40A AM1
10A IGN
10A GAUGE
N 1
NEUTRAL
START SW
RL
2L
LL
See Engine Control System
<4–6> <4–8>
From Stop Light SW<14–2>
C10 (A), C11 (B)
COMBINATION METER
ECT SNOW
ECT PWR
O/D OFF
BATT
NSW
VC
VTA
THW
E2
SPD
STP
R
2
L
E 6 (A), E 7 (B), E 8 (C) ENGINE AND ECT ECU(A/T)
+B
S1
S2
SL
KD
E03
E01
E02
E1
SNWI
P
OD2
SNWO
FUSIBLE LINK BLOCK
F15 (A), F17 (C)
100A ALT
30A
AM2
15A
EFI
EFI RELAY
FL
MAIN
2. 0L
BATTERY
K 2
KICK DOWN SW
J 7 (A), J 8 (B)
JUNCTION CONNECTOR
E 1
ECT SOLENOID
E 5
ECT PATTERN
SELECT SW
J 4(LHD), J23(RHD)
JUNCTION CONNECTOR
O 2
O/D MAIN SW
J 1(LHD),
J27(RHD)
JUNCTION
CONNECTOR
Under the headlight RH
Under the headlight LH
Under the intake manifold
EA
EB
EE
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)

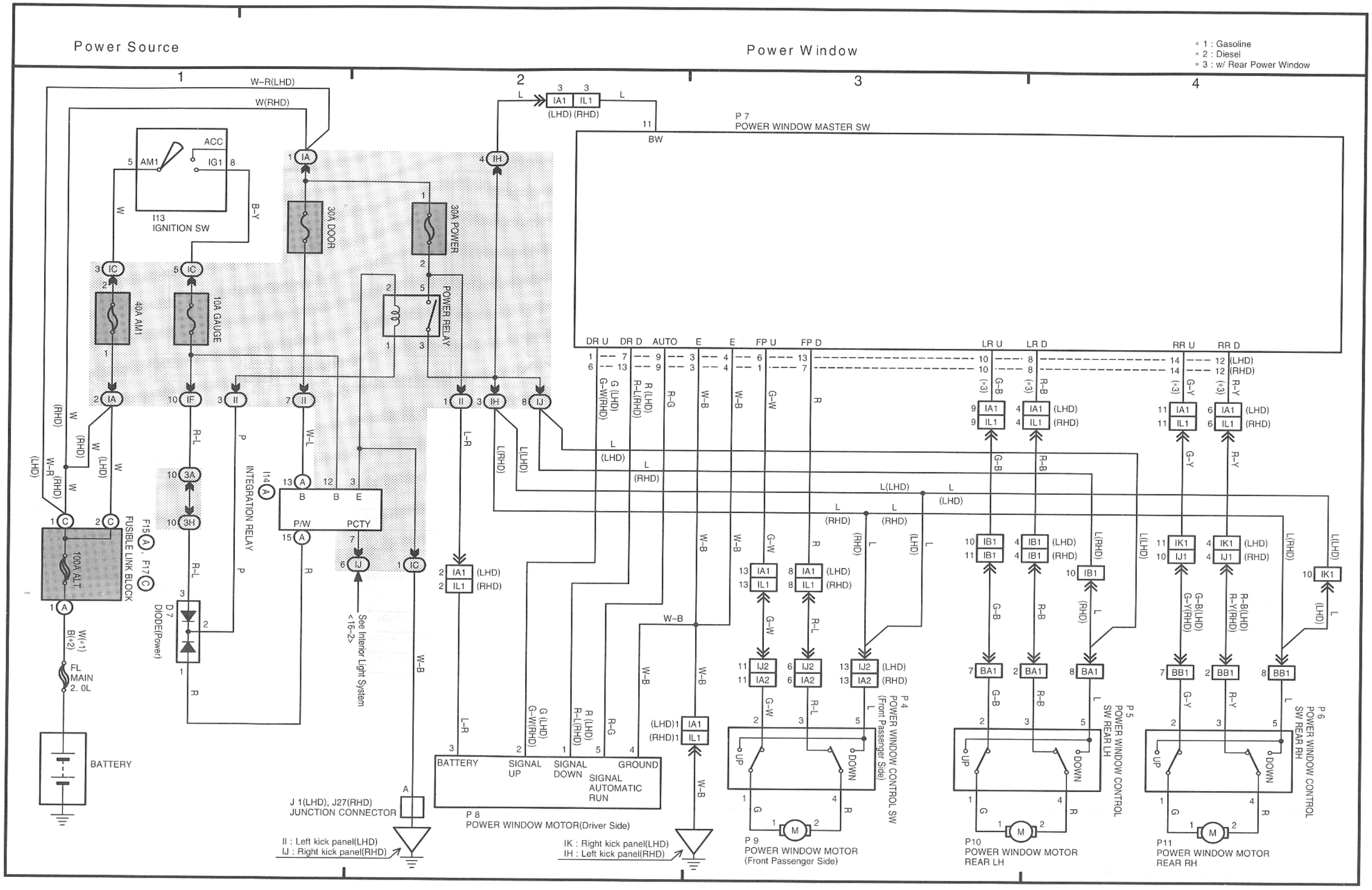
K

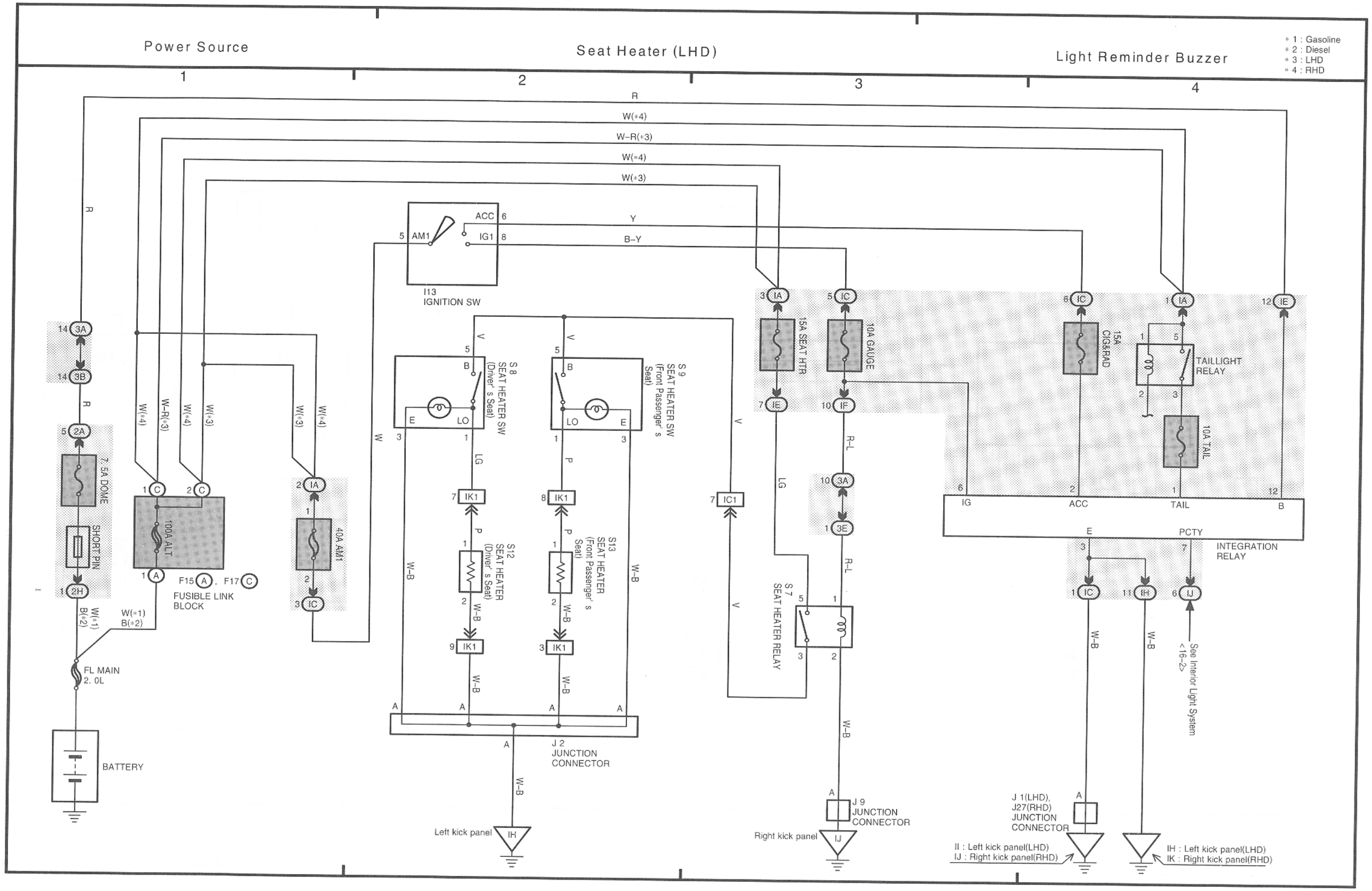

Power Source
ECT (4A-FE General Stoichiometric Type)
1
2
3
4
ACC
AM1
IG1
AM2
IG2
ST2
I13
IGNITION SW
40A AM1
10A IGN
FUSIBLE LINK BLOCK
100A ALT
F15, F17
30A AM2
15A EFI
EFI RELAY
FL MAIN 2. 0L
BATTERY
Under the headlight RH
Under the headlight LH
See Engine Control System
<6-5><6-6><6-7>
From Stop Light SW<14-2>
BATT
NSW
VC
VTA
THW
E2
SPD
B/K
R
2
L
E 6, E 7, E 8 ENGINE AND ECT ECU(A/T)
+B
S1
S2
SL
E01
E02
E1
P
OD2
E 1
ECT SOLENOID
Under the intake manifold
N 1
NEUTRAL START SW
10A GAUGE
E 5
ECT PATTERN SELECT SW
PWR
NORM
C10, C11
COMBINATION METER
ECT PWR
O/D OFF
J 4
JUNCTION CONNECTOR
O 2
O/D MAIN SW
J 1
JUNCTION CONNECTOR
Left kick panel

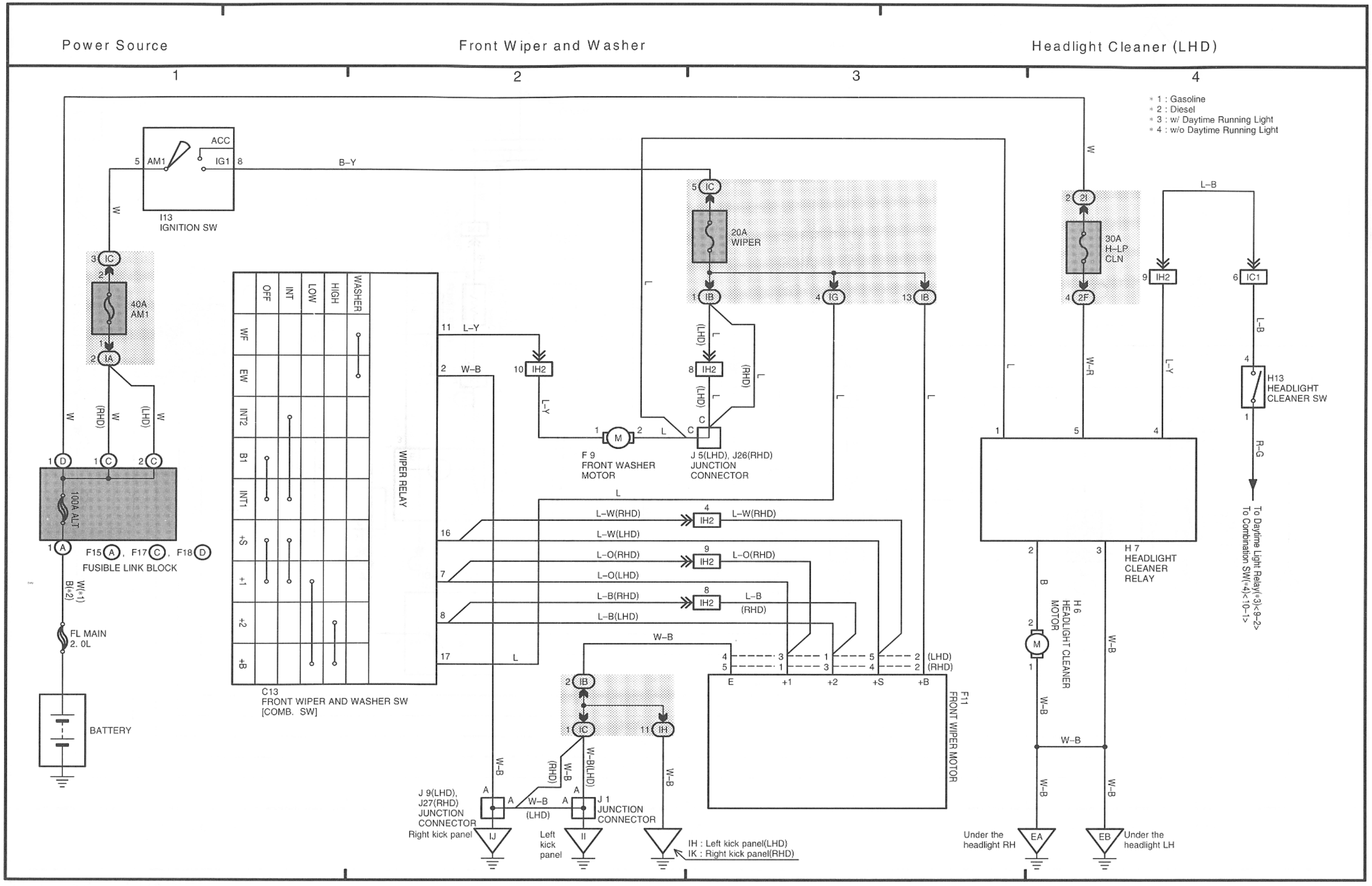

Power Source
ABS
* 1 : Gasoline
* 2 : Diesel
* * 3 : 3S–FE, 4A–FE, 7A–FE Lean Burn Type
* * 4 : Diesel, 4A–FE Stoichiometric Type
I13
IGNITION SW
ACC
AM1
AM2
IG1
IG2
ST2
10A
IGN
40A
AM1
100A ALT
60A ABS
30A AM2
FUSIBLE LINK BLOCK
F15 A, F17 C, F20 F
FL
MAIN
2. 0L
BATTERY
C10 A, C11 B
ABS WARNING LIGHT
[COMB. METER]
10A GAUGE
5A ECU–IG
From Stop Light
SW<14–2>
D 8
DLC3
J 4(LHD), J23(RHD)
JUNCTION CONNECTOR
A 6
ABS ECU WITH ACTUATOR
A 7
ABS SPEED SENSOR
FRONT LH
A 8
ABS SPEED SENSOR
FRONT RH
A26
ABS SPEED SENSOR
REAR LH
A27
ABS SPEED SENSOR
REAR RH
J 1(LHD),
J20(RHD)
JUNCTION
CONNECTOR
J 9(LHD),
J27(RHD)
JUNCTION
CONNECTOR
J 1(LHD), J27(RHD)
JUNCTION CONNECTOR
Under the
headlight LH
Under the
headlight RH
Right
kick
panel
Left kick panel
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
(Shielded)
(LHD)
(RHD)

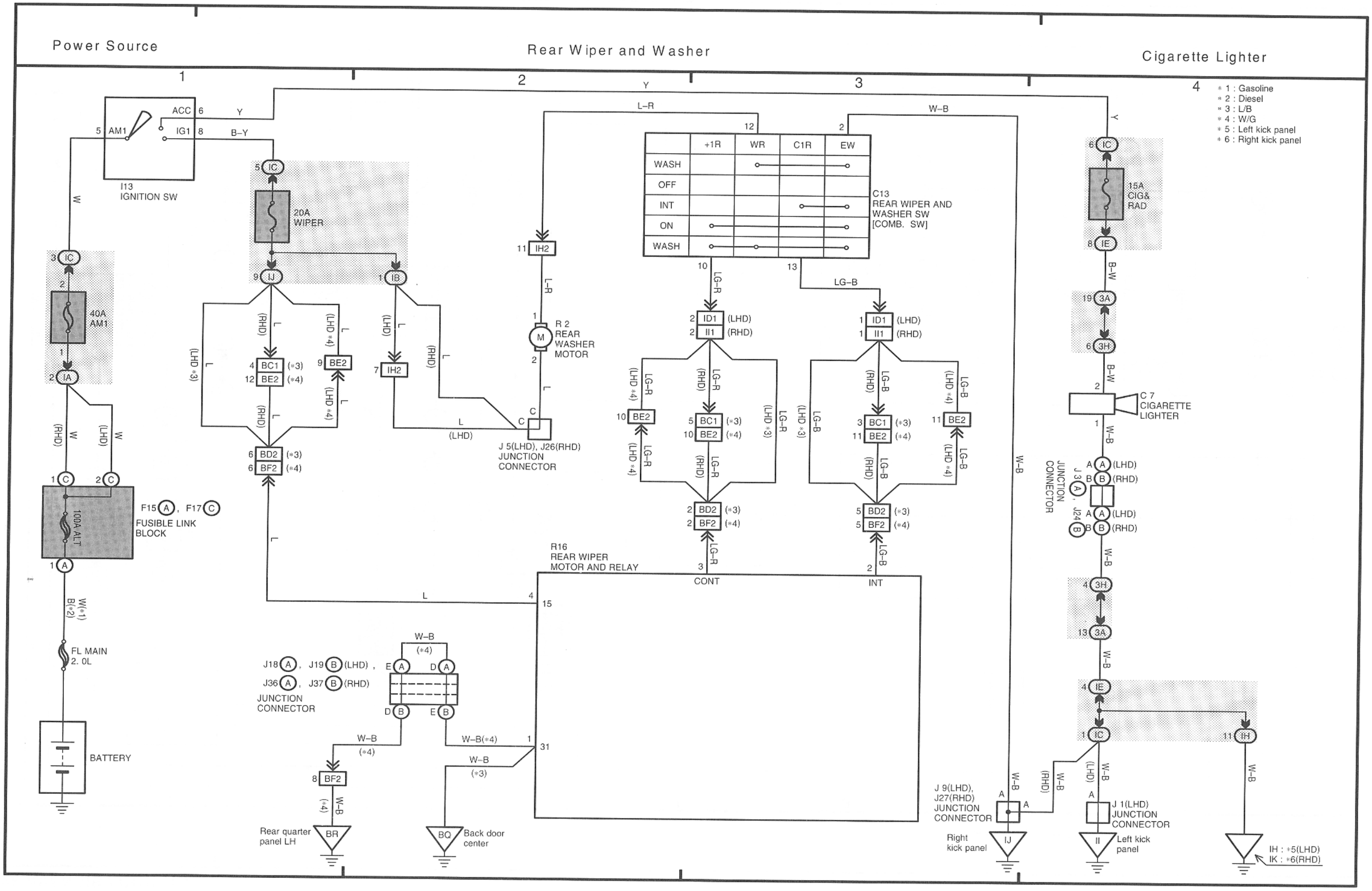
K


Power Source
SRS
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Side Airbag
* 4 : 4A-FE General Stoichiometric Type, 2C-T
* 5 : Except * 4
I13 IGNITION SW
ACC
IG1
IG2
ST2
AM1
AM2
10A IGN
15A CIG&RAD
40A AM1
C11 SRS WARNING LIGHT [COMB. METER]
FUSIBLE LINK BLOCK
100A ALT
30A AM2
10A ECU-B
F15 (A), F17 (C)
FL MAIN 2. 0L
BATTERY
S15 SIDE AIRBAG SENSOR RH
S14 SIDE AIRBAG SENSOR LH
P13 PRETENSIONER RH
P12 PRETENSIONER LH
C4 (A), C5 (B), C6 (C)
CENTER AIRBAG SENSOR ASSEMBLY
J 4(LHD), J23(RHD) JUNCTION CONNECTOR
C 2 CHECK CONNECTOR
D 8 DLC3
S17 SIDE AIRBAG SQUIB RH
S16 SIDE AIRBAG SQUIB LH
F 2 FRONT AIRBAG SENSOR RH
F 1 FRONT AIRBAG SENSOR LH
A23 AIRBAG SQUIB (Front Passenger Airbag Assembly)
A24 AIRBAG SQUIB (Steering Wheel Pad)
SPIRAL CABLE
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)

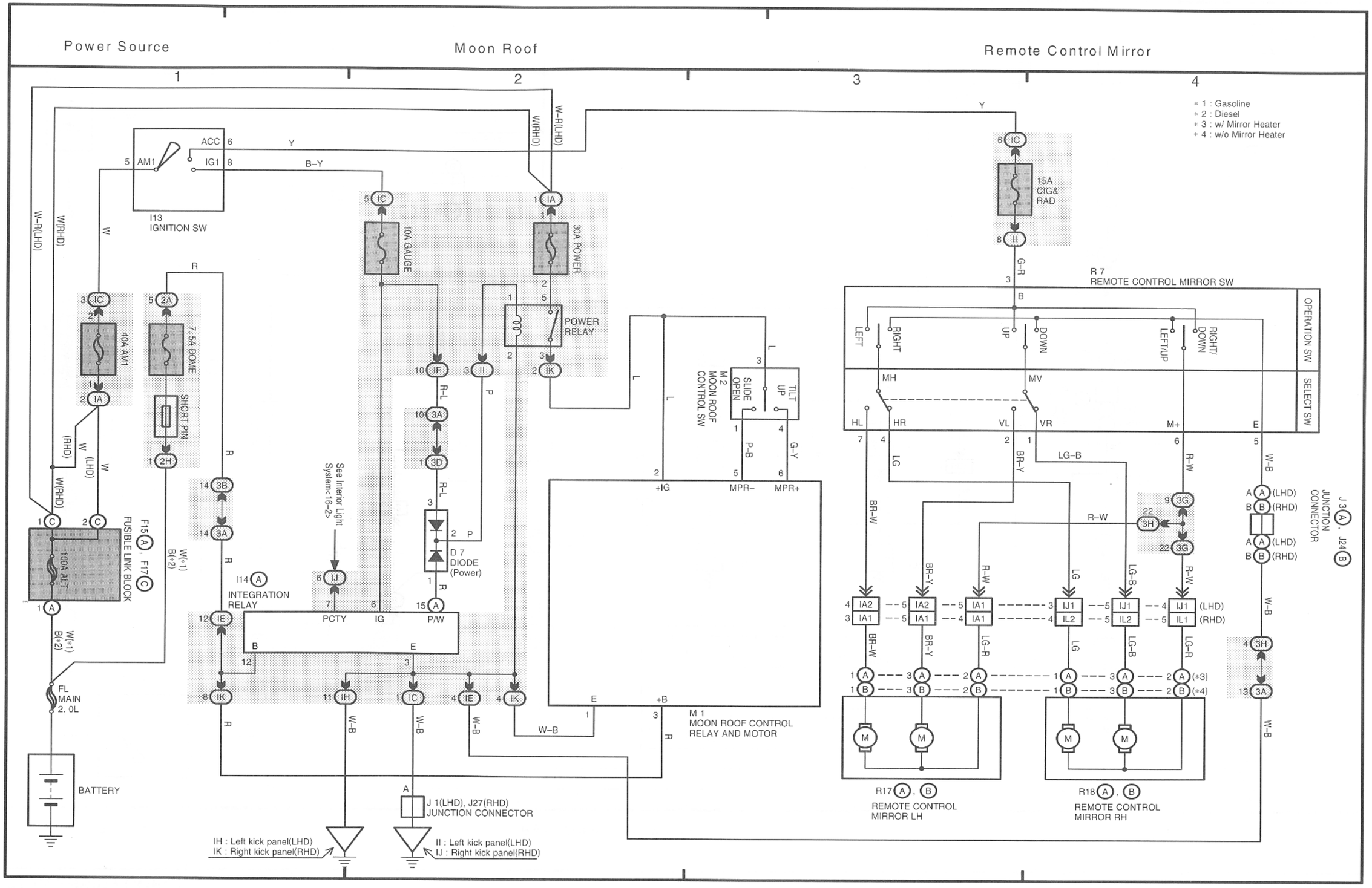

Power Source
Power Window
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Rear Power Window
W-R(LHD)
W(RHD)
ACC
AM1
IG1
I13
IGNITION SW
B-Y
40A AM1
10A GAUGE
30A DOOR
30A POWER
POWER RELAY
P 7
POWER WINDOW MASTER SW
BW
DR U
DR D
AUTO
E
FP U
FP D
LR U
LR D
RR U
RR D
INTEGRATION RELAY
P/W
PCTY
See Interior Light System <16-2>
FUSIBLE LINK BLOCK
100A ALT
F15
F17
D 7
DIODE(Power)
FL MAIN 2. 0L
BATTERY
J 1(LHD), J27(RHD)
JUNCTION CONNECTOR
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
IK : Right kick panel(LHD)
IH : Left kick panel(RHD)
BATTERY
SIGNAL UP
SIGNAL DOWN
SIGNAL AUTOMATIC RUN
GROUND
P 8
POWER WINDOW MOTOR(Driver Side)
P 4
POWER WINDOW CONTROL SW (Front Passenger Side)
P 9
POWER WINDOW MOTOR (Front Passenger Side)
P 5
POWER WINDOW CONTROL SW REAR LH
P10
POWER WINDOW MOTOR REAR LH
P 6
POWER WINDOW CONTROL SW REAR RH
P11
POWER WINDOW MOTOR REAR RH
UP
DOWN

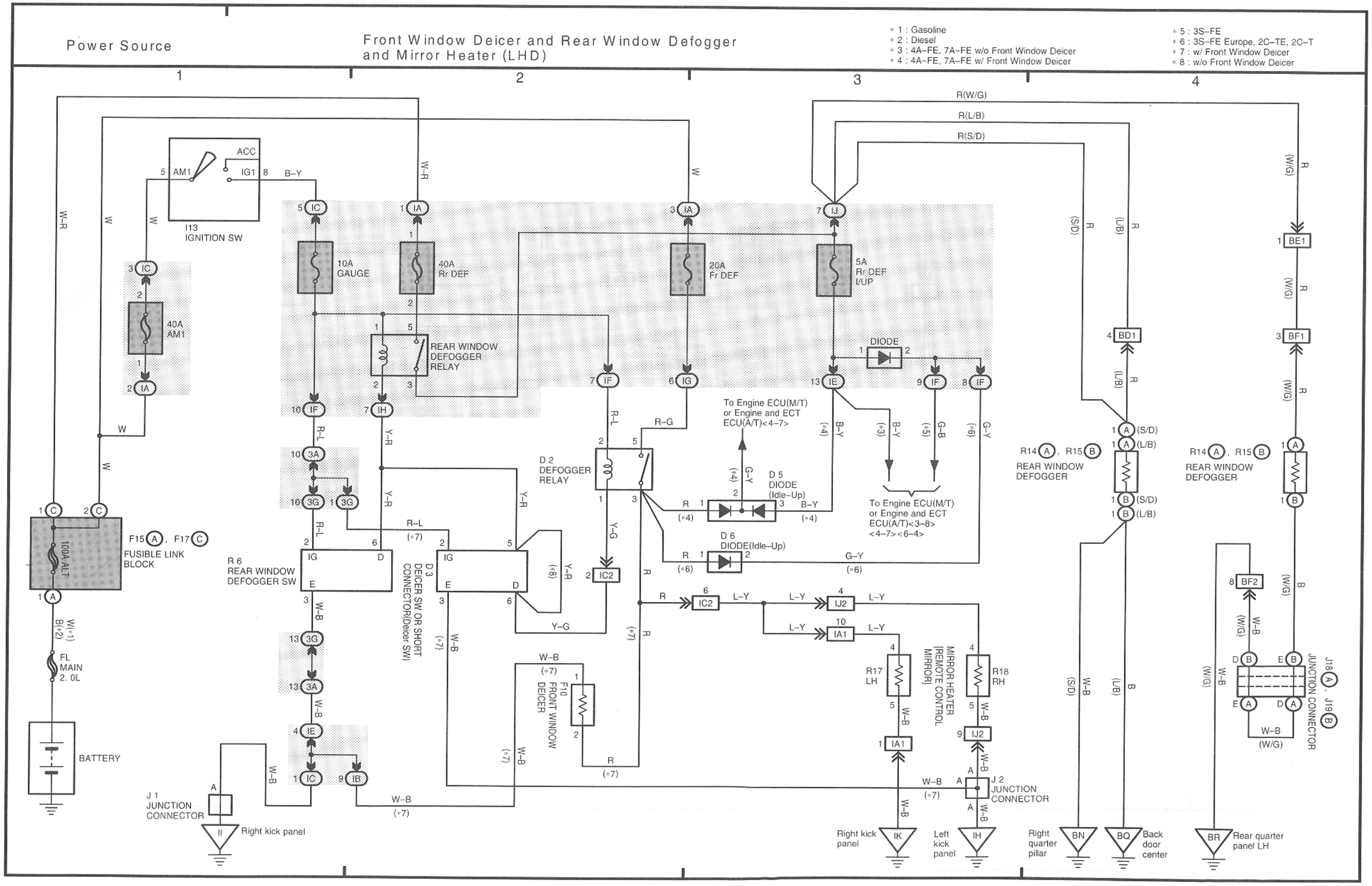

Power Source
Seat Heater (LHD)
Light Reminder Buzzer
* 1 : Gasoline
* 2 : Diesel
* 3 : LHD
* 4 : RHD
1
2
3
4
R
W(*4)
W-R(*3)
W(*4)
W(*3)
Y
B-Y
ACC
IG1
AM1
I13
IGNITION SW
3A
3B
2A
7.5A DOME
SHORT PIN
2H
W(*1)
B(*2)
FL MAIN
2.0L
BATTERY
100A ALT
F15 A , F17 C
FUSIBLE LINK BLOCK
40A AM1
S8
SEAT HEATER SW (Driver's Seat)
S9
SEAT HEATER SW (Front Passenger's Seat)
LO
E
LG
P
IK1
S12
SEAT HEATER (Driver's Seat)
S13
SEAT HEATER (Front Passenger's Seat)
W-B
J 2
JUNCTION CONNECTOR
Left kick panel
IH
15A SEAT HTR
10A GAUGE
IC1
S7
SEAT HEATER RELAY
R-L
J 9
JUNCTION CONNECTOR
Right kick panel
IJ
15A CIG&RAD
TAILLIGHT RELAY
10A TAIL
IG
ACC
TAIL
B
PCTY
INTEGRATION RELAY
See Interior Light System <16-2>
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)

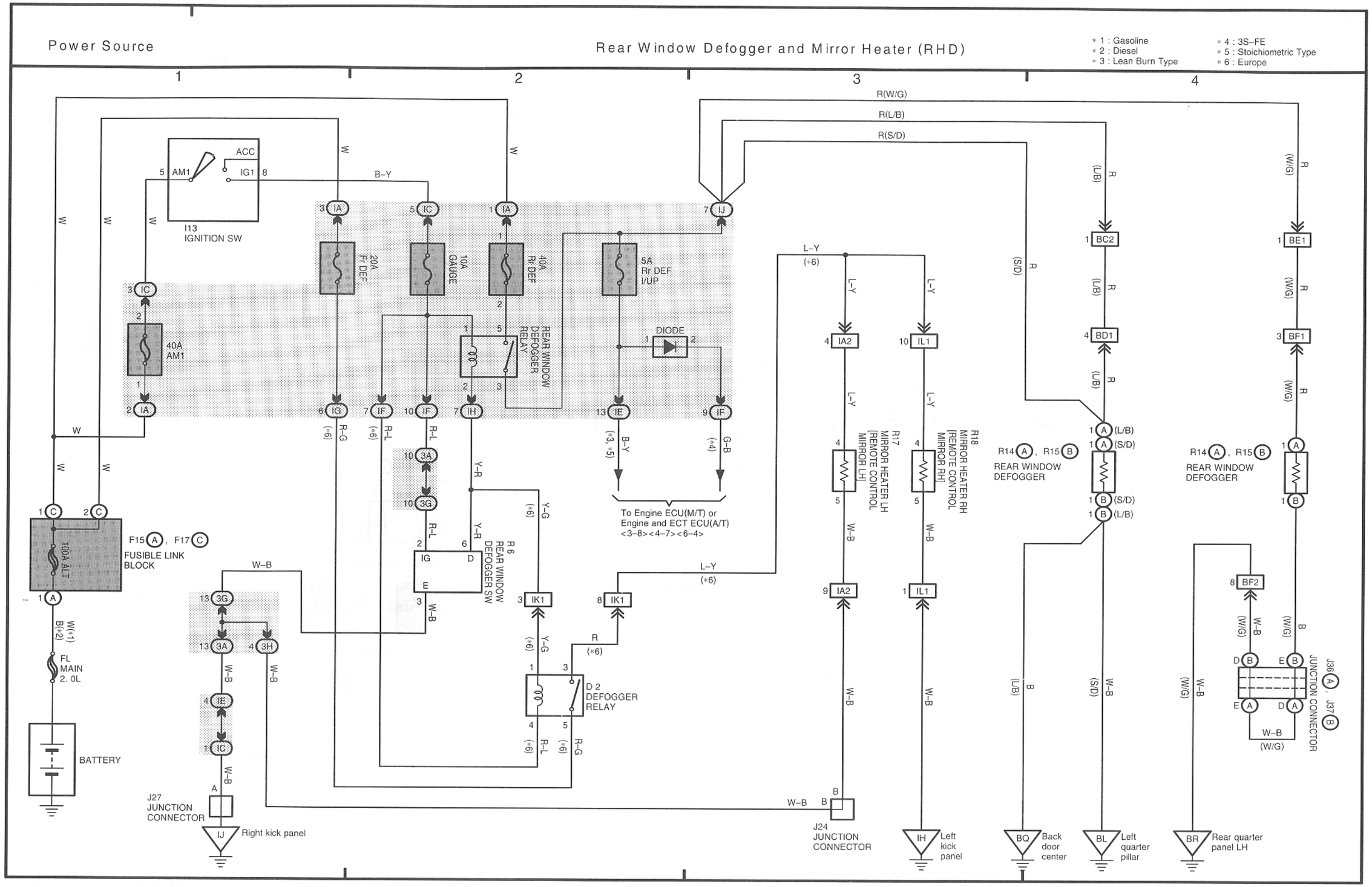

Power Source
Front Wiper and Washer
Headlight Cleaner (LHD)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Daytime Running Light
* 4 : w/o Daytime Running Light
ACC
AM1
IG1
B-Y
I13
IGNITION SW
40A
AM1
100A ALT
F15 A, F17 C, F18 D
FUSIBLE LINK BLOCK
FL MAIN
2. 0L
BATTERY
OFF
INT
LOW
HIGH
WASHER
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
WIPER RELAY
C13
FRONT WIPER AND WASHER SW
[COMB. SW]
L-Y
W-B
20A
WIPER
F 9
FRONT WASHER
MOTOR
J 5(LHD), J26(RHD)
JUNCTION
CONNECTOR
L-W(RHD)
L-W(LHD)
L-O(RHD)
L-O(LHD)
L-B(RHD)
L-B(LHD)
L-B
(RHD)
30A
H-LP
CLN
H13
HEADLIGHT
CLEANER SW
R-G
To Daytime Light Relay(*3)<-9-2>
To Combination SW(*4)<-10-1>
H 7
HEADLIGHT
CLEANER
RELAY
H 6
HEADLIGHT CLEANER
MOTOR
F11
FRONT WIPER MOTOR
(LHD)
(RHD)
E
+1
+2
+S
+B
J 9(LHD),
J27(RHD)
JUNCTION
CONNECTOR
Right kick panel
J 1
JUNCTION
CONNECTOR
Left
kick
panel
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)
Under the
headlight RH
Under the
headlight LH

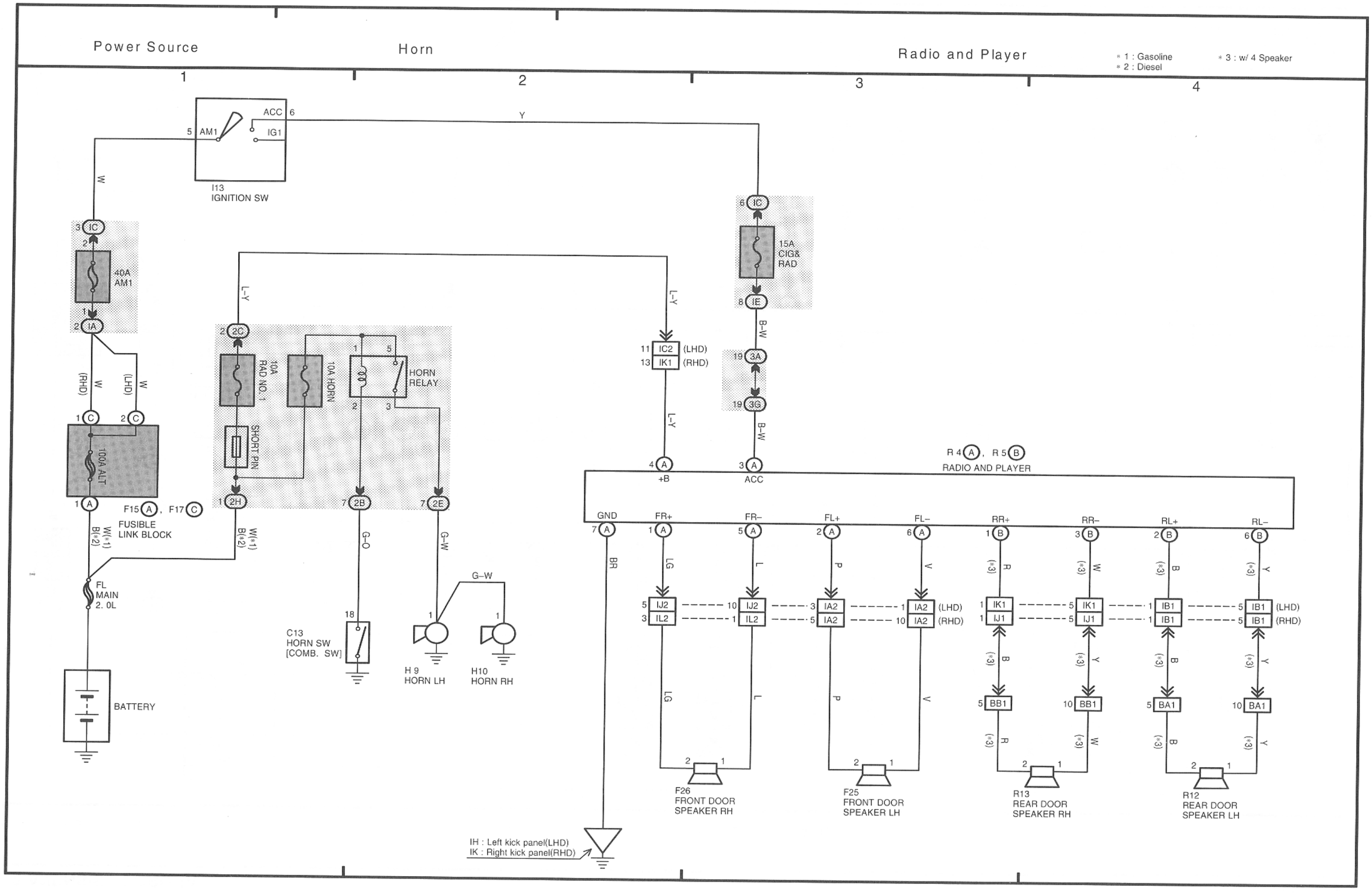

Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : L/B
* 4 : W/G
* 5 : Left kick panel
* 6 : Right kick panel
ACC
IG1
AM1
I13
IGNITION SW
20A
WIPER
40A
AM1
100A ALT
F15 (A), F17 (C)
FUSIBLE LINK
BLOCK
FL MAIN
2. 0L
BATTERY
R 2
REAR
WASHER
MOTOR
J 5(LHD), J26(RHD)
JUNCTION
CONNECTOR
C13
REAR WIPER AND
WASHER SW
[COMB. SW]
WASH
OFF
INT
ON
WASH
+1R
WR
C1R
EW
R16
REAR WIPER
MOTOR AND RELAY
CONT
INT
J18 (A), J19 (B) (LHD),
J36 (A), J37 (B) (RHD)
JUNCTION
CONNECTOR
Rear quarter
panel LH
Back door
center
15A
CIG&
RAD
C 7
CIGARETTE
LIGHTER
J 3 (A), J24 (B)
JUNCTION
CONNECTOR
J 9(LHD),
J27(RHD)
JUNCTION
CONNECTOR
Right
kick panel
J 1(LHD)
JUNCTION
CONNECTOR
Left kick
panel
IH : *5(LHD)
IK : *6(RHD)

K

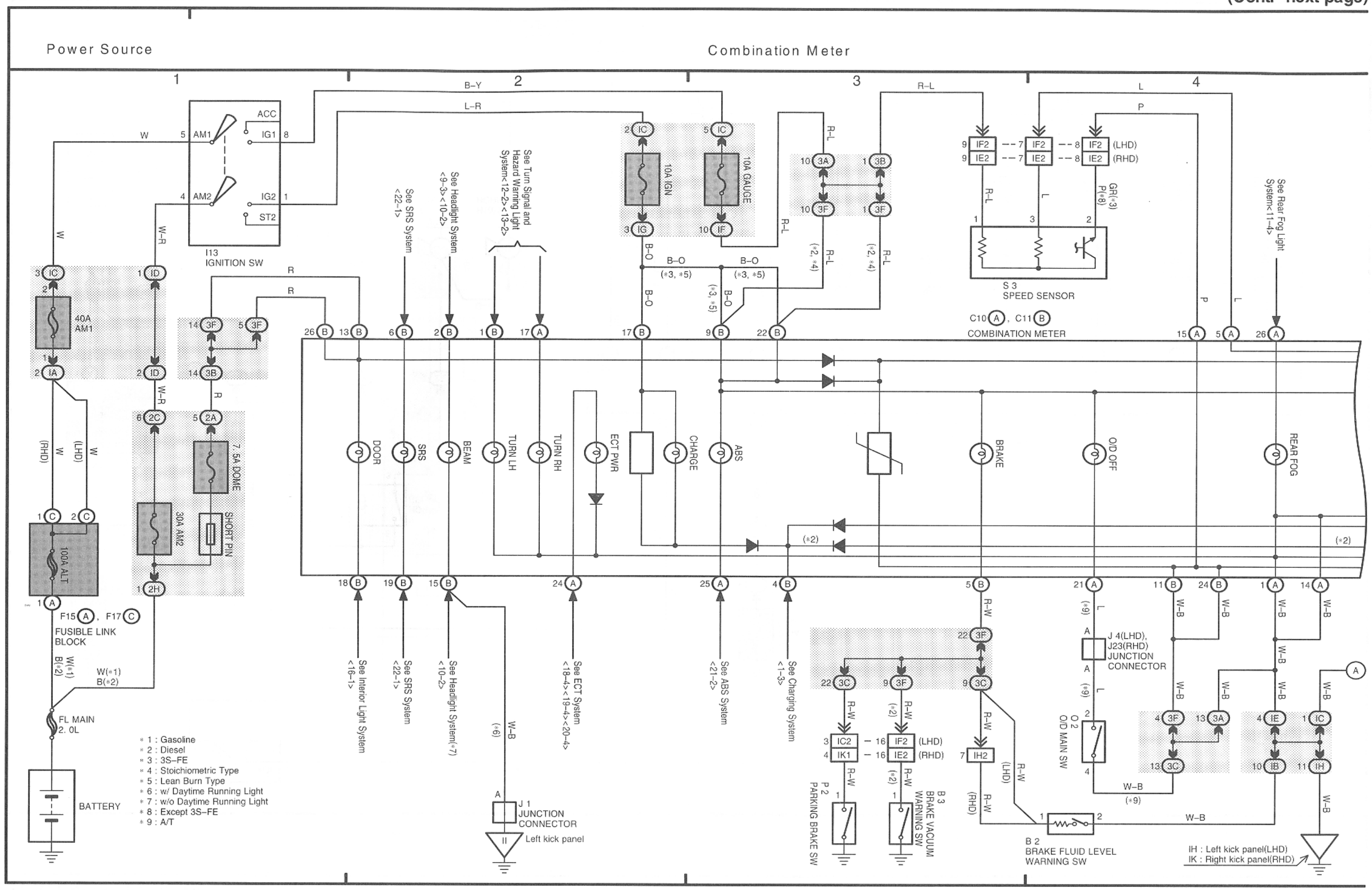

Power Source
Moon Roof
Remote Control Mirror
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Mirror Heater
* 4 : w/o Mirror Heater
I13
IGNITION SW
ACC
IG1
AM1
40A AM1
7. 5A DOME
SHORT PIN
10A GAUGE
30A POWER
POWER RELAY
D 7
DIODE
(Power)
See Interior Light System<16-2>
I14
INTEGRATION RELAY
PCTY
IG
P/W
F15, F17
FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
J 1(LHD), J27(RHD)
JUNCTION CONNECTOR
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)
II : Left kick panel(LHD)
IJ : Right kick panel(RHD)
M 2
MOON ROOF CONTROL SW
SLIDE OPEN
TILT UP
+IG
MPR−
MPR+
M 1
MOON ROOF CONTROL RELAY AND MOTOR
15A CIG& RAD
R 7
REMOTE CONTROL MIRROR SW
OPERATION SW
SELECT SW
LEFT
RIGHT
UP
DOWN
LEFT/UP
RIGHT/ DOWN
MH
MV
HL
HR
VL
VR
M+
E
R17, R18
REMOTE CONTROL MIRROR LH
REMOTE CONTROL MIRROR RH
J 3, J24
JUNCTION CONNECTOR
(LHD)
(RHD)

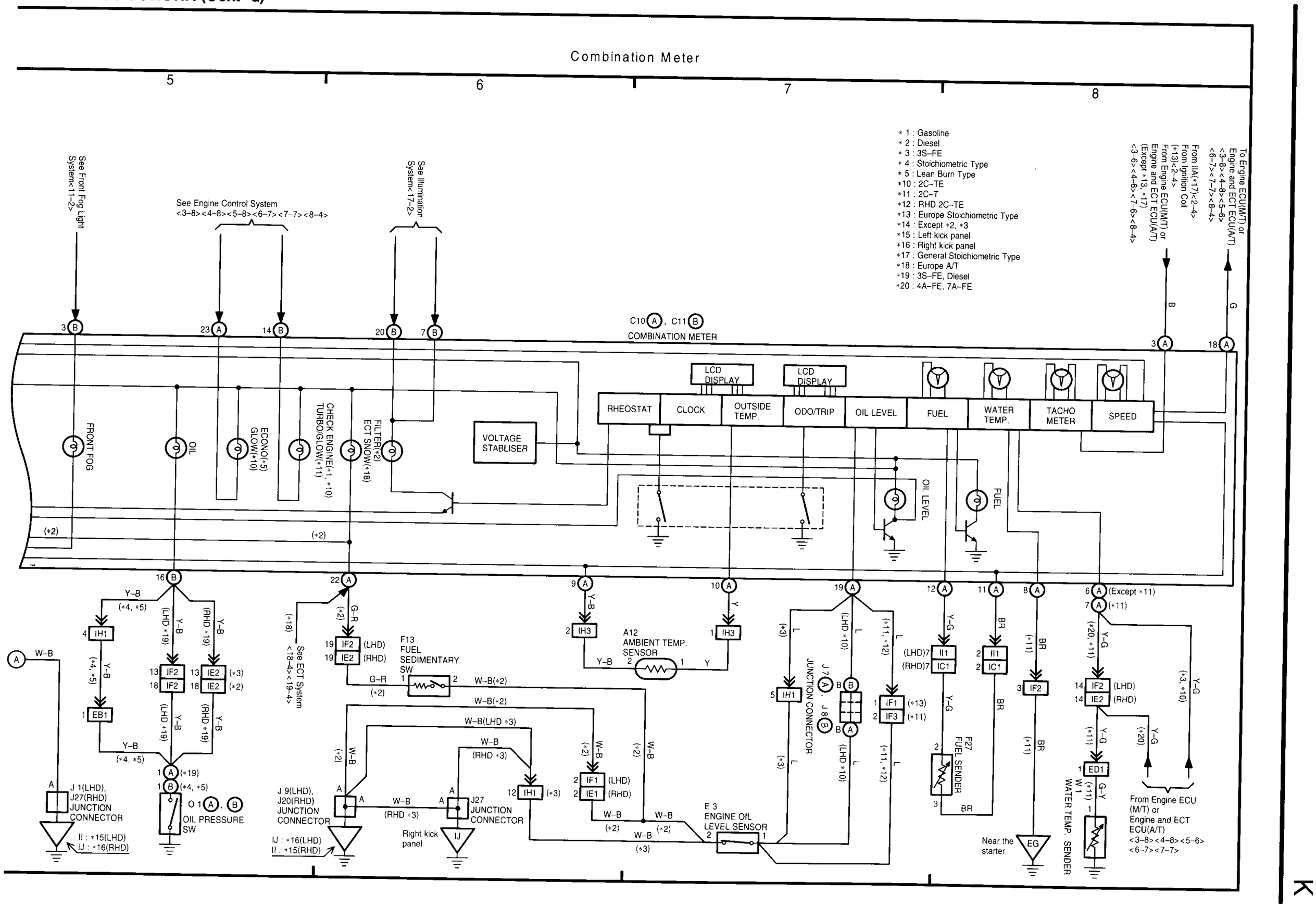

Power Source
Front Window Deicer and Rear Window Defogger and Mirror Heater (LHD)
* 1 : Gasoline
* 2 : Diesel
* 3 : 4A-FE, 7A-FE w/o Front Window Deicer
* 4 : 4A-FE, 7A-FE w/ Front Window Deicer
* 5 : 3S-FE
* 6 : 3S-FE Europe, 2C-TE, 2C-T
* 7 : w/ Front Window Deicer
* 8 : w/o Front Window Deicer
1
2
3
4
ACC
AM1
IG1
I13
IGNITION SW
10A GAUGE
40A Rr DEF
20A Fr DEF
5A Rr DEF I/UP
40A AM1
REAR WINDOW DEFOGGER RELAY
DIODE
D 2 DEFOGGER RELAY
D 5 DIODE (Idle-Up)
D 6 DIODE(Idle-Up)
To Engine ECU(M/T) or Engine and ECT ECU(A/T)<4-7>
To Engine ECU(M/T) or Engine and ECT ECU(A/T)<3-8> <4-7><6-4>
R14, R15
REAR WINDOW DEFOGGER
F15, F17
FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
R 6 REAR WINDOW DEFOGGER SW
D 3 DEICER SW OR SHORT CONNECTOR(Deicer SW)
F10 FRONT WINDOW DEICER
R17 LH
R18 RH
MIRROR HEATER [REMOTE CONTROL MIRROR]
J 1 JUNCTION CONNECTOR
J 2 JUNCTION CONNECTOR
J18, J19
JUNCTION CONNECTOR
Right kick panel
Left kick panel
Right quarter pillar
Back door center
Rear quarter panel LH

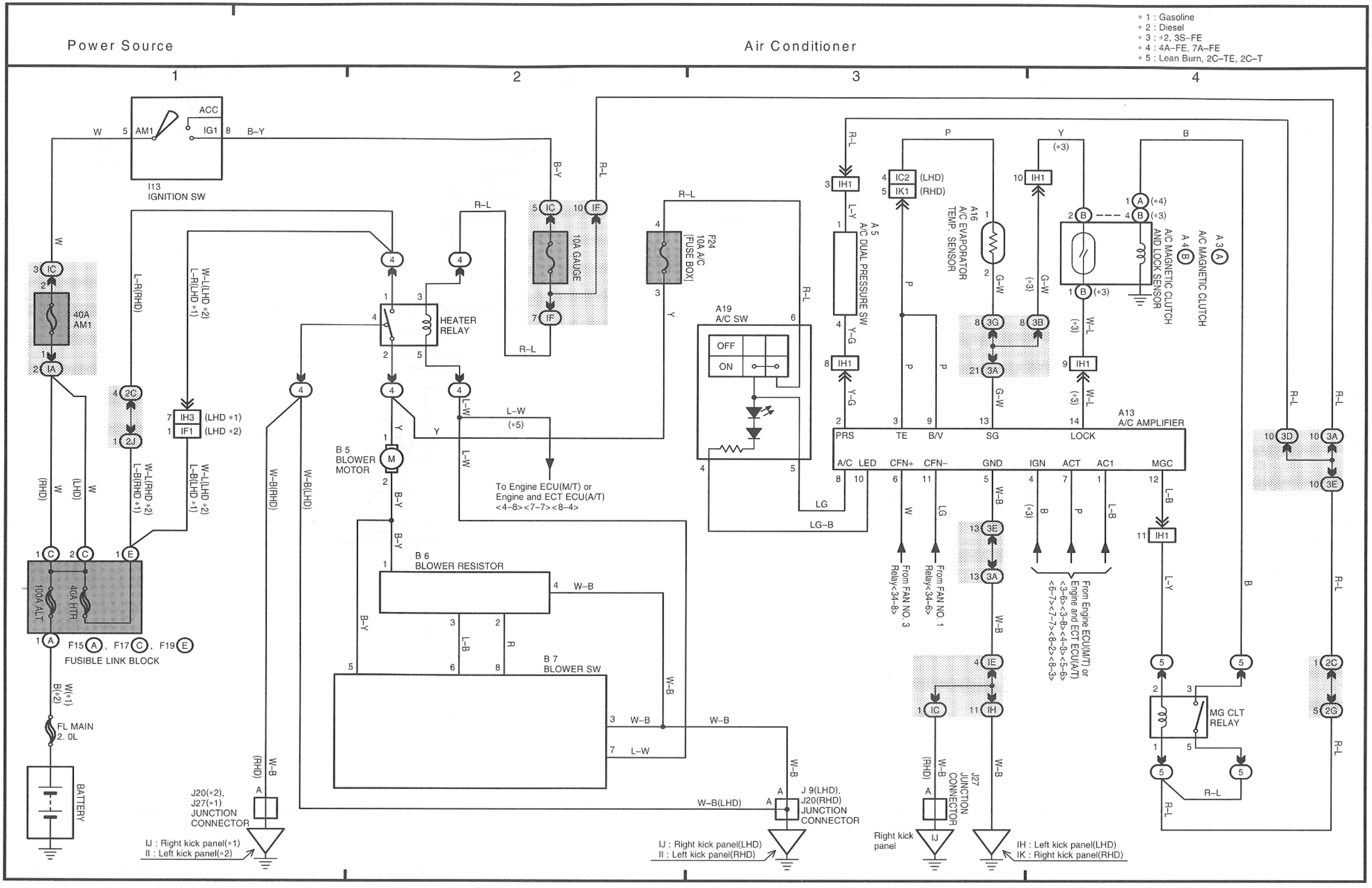

Power Source
Rear Window Defogger and Mirror Heater (RHD)
* 1 : Gasoline
* 2 : Diesel
* 3 : Lean Burn Type
* 4 : 3S-FE
* 5 : Stoichiometric Type
* 6 : Europe
I13 IGNITION SW
ACC
IG1
AM1
40A AM1
20A Fr DEF
10A GAUGE
40A Rr DEF
5A Rr DEF I/UP
REAR WINDOW DEFOGGER RELAY
DIODE
R6 REAR WINDOW DEFOGGER SW
To Engine ECU(M/T) or Engine and ECT ECU(A/T) <3-8><4-7><6-4>
F15 A, F17 C
FUSIBLE LINK BLOCK
100A ALT
FL MAIN 2. 0L
BATTERY
J27 JUNCTION CONNECTOR
Right kick panel
D 2 DEFOGGER RELAY
R17 MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
R18 MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
J24 JUNCTION CONNECTOR
Left kick panel
R14 A, R15 B
REAR WINDOW DEFOGGER
Back door center
Left quarter pillar
Rear quarter panel LH
J36 A, J37 B
JUNCTION CONNECTOR


Power Source
Horn
Radio and Player
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ 4 Speaker
1
2
3
4
ACC
IG1
AM1
I13
IGNITION SW
40A
AM1
100A ALT
F15 A , F17 C
FUSIBLE
LINK BLOCK
FL
MAIN
2. 0L
BATTERY
10A
RAD NO.1
10A HORN
HORN
RELAY
SHORT PIN
C13
HORN SW
[COMB. SW]
H 9
HORN LH
H10
HORN RH
IC2 (LHD)
IK1 (RHD)
15A
CIG&
RAD
R 4 A , R 5 B
RADIO AND PLAYER
+B
ACC
GND
FR+
FR–
FL+
FL–
RR+
RR–
RL+
RL–
IJ2
IL2
IA2 (LHD)
IA2 (RHD)
IK1
IJ1
IB1 (LHD)
IB1 (RHD)
BB1
BA1
F26
FRONT DOOR
SPEAKER RH
F25
FRONT DOOR
SPEAKER LH
R13
REAR DOOR
SPEAKER RH
R12
REAR DOOR
SPEAKER LH
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)

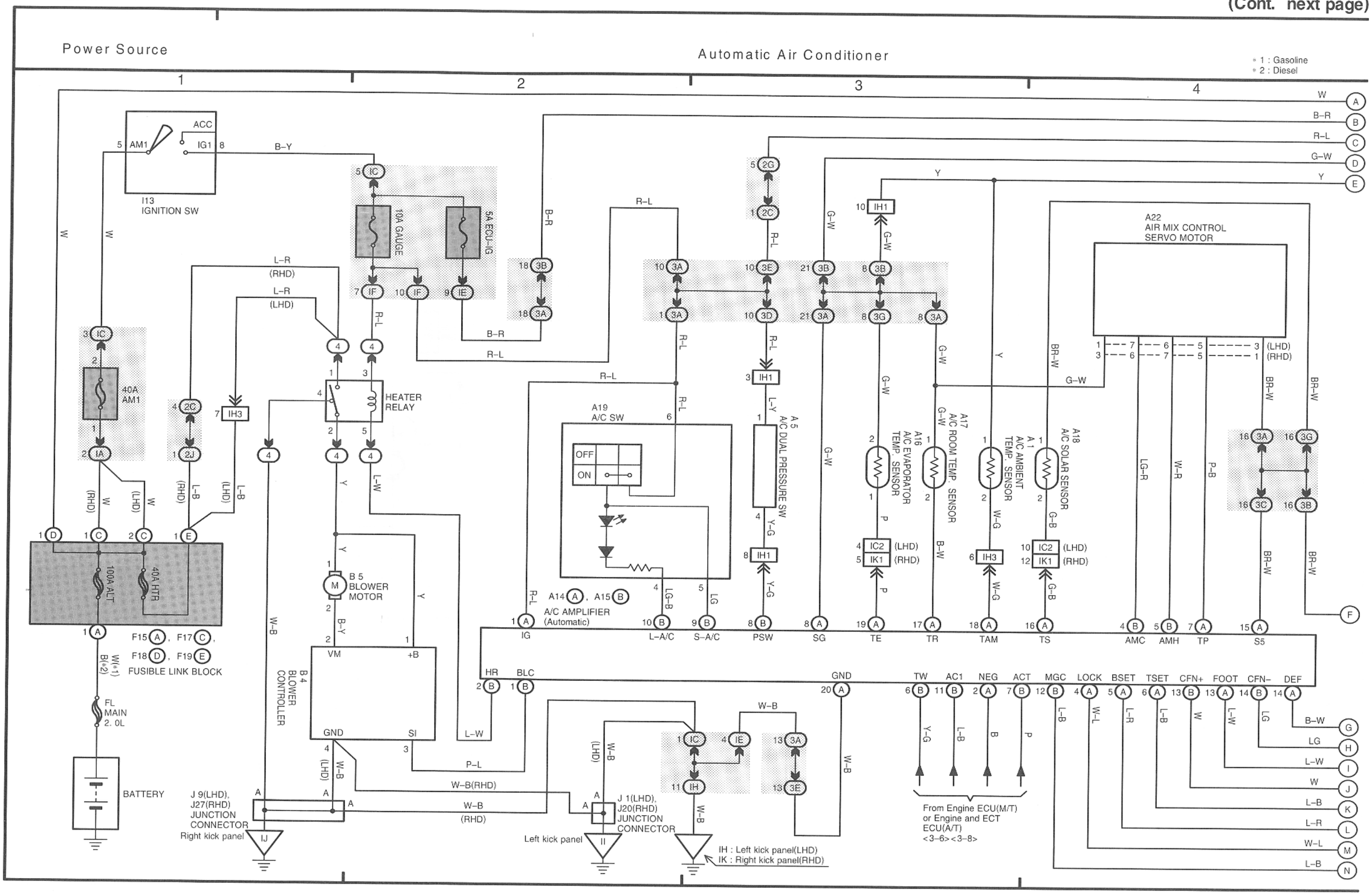
(Cont. next page)

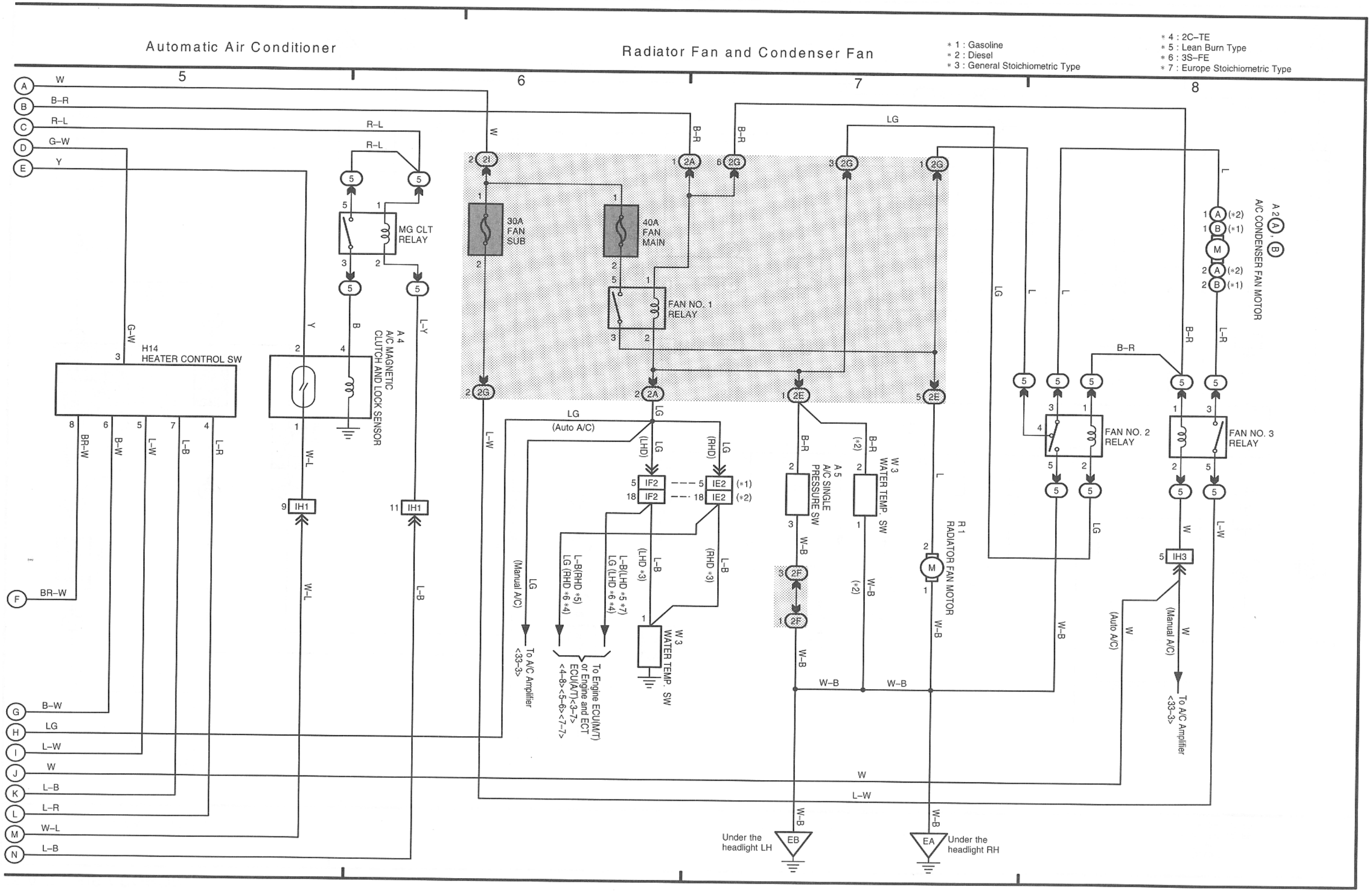


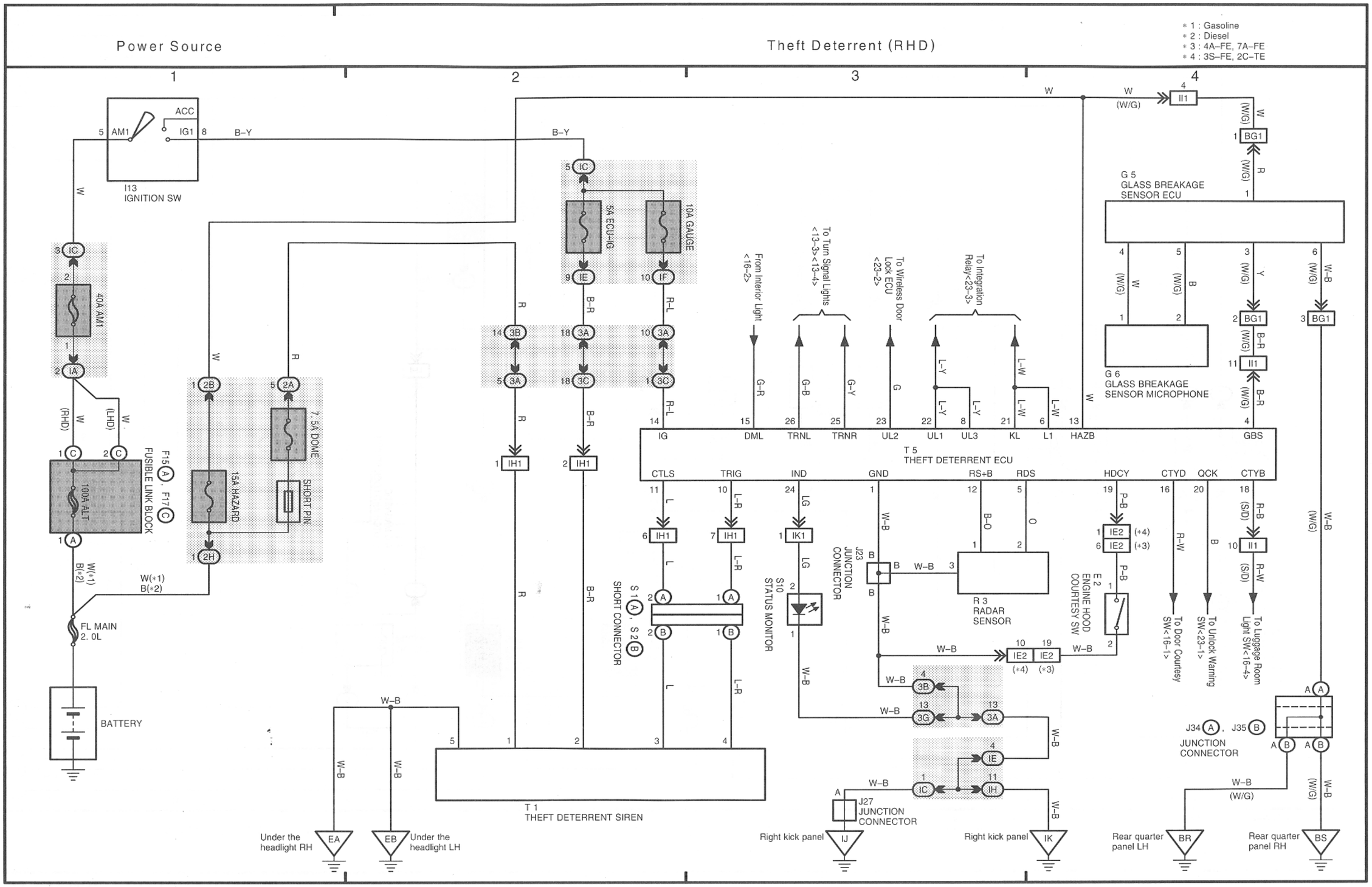

Combination Meter
5
6
7
8
* 1 : Gasoline
* 2 : Diesel
* 3 : 3S-FE
* 4 : Stoichiometric Type
* 5 : Lean Burn Type
*10 : 2C-TE
*11 : 2C-T
*12 : RHD 2C-TE
*13 : Europe Stoichiometric Type
*14 : Except *2, *3
*15 : Left kick panel
*16 : Right kick panel
*17 : General Stoichiometric Type
*18 : Europe A/T
*19 : 3S-FE, Diesel
*20 : 4A-FE, 7A-FE
See Front Fog Light System<11-2>
See Engine Control System <3-8><4-8><5-8><6-7><7-7><8-4>
See Illumination System<17-2>
To Engine ECU(M/T) or Engine and ECT ECU(A/T) <3-8><4-8><5-6><6-7><7-7><8-4>
From IIA(*17)<2-4>
From Ignition Coil (*13)<2-4>
From Engine ECU(M/T) or Engine and ECT ECU(A/T) (Except *13, *17) <3-6><4-6><7-6><8-4>
C10 A, C11 B
COMBINATION METER
FRONT FOG
OIL
ECONO(*5) GLOW(*10)
CHECK ENGINE(*1, *10) TURBO/GLOW(*11)
FILTER(*2) ECT SNOW(*18)
VOLTAGE STABLISER
LCD DISPLAY
RHEOSTAT
CLOCK
OUTSIDE TEMP.
ODO/TRIP
OIL LEVEL
FUEL
WATER TEMP.
TACHO METER
SPEED
See ECT System <18-4><19-4>
F13 FUEL SEDIMENTARY SW
A12 AMBIENT TEMP. SENSOR
J 1(LHD), J27(RHD) JUNCTION CONNECTOR
II : *15(LHD)
IJ : *16(RHD)
OIL PRESSURE SW
J 9(LHD), J20(RHD) JUNCTION CONNECTOR
IJ : *16(LHD)
II : *15(RHD)
J27 JUNCTION CONNECTOR
Right kick panel
J 7, J 8 JUNCTION CONNECTOR
E 3 ENGINE OIL LEVEL SENSOR
F27 FUEL SENDER
Near the starter
WATER TEMP. SENDER
From Engine ECU (M/T) or Engine and ECT ECU(A/T) <3-8><4-8><5-6><6-7><7-7>


Power Source
Air Conditioner
* 1 : Gasoline
* 2 : Diesel
* 3 : *2, 3S-FE
* 4 : 4A-FE, 7A-FE
* 5 : Lean Burn, 2C-TE, 2C-T
I13 IGNITION SW
ACC
IG1
AM1
40A AM1
HEATER RELAY
10A GAUGE
F24 10A A/C [FUSE BOX]
A19 A/C SW
OFF
ON
A5 A/C DUAL PRESSURE SW
A16 A/C EVAPORATOR TEMP. SENSOR
A/C MAGNETIC CLUTCH AND LOCK SENSOR
A/C MAGNETIC CLUTCH
A13 A/C AMPLIFIER
PRS
TE
B/V
SG
LOCK
A/C
LED
CFN+
CFN-
GND
IGN
ACT
AC1
MGC
B 5 BLOWER MOTOR
To Engine ECU(M/T) or Engine and ECT ECU(A/T) <4-8><7-7><8-4>
B 6 BLOWER RESISTOR
B 7 BLOWER SW
100A ALT
40A HTR
F15 A, F17 C, F19 E
FUSIBLE LINK BLOCK
FL MAIN 2. 0L
BATTERY
J20(*2), J27(*1) JUNCTION CONNECTOR
IJ : Right kick panel(*1)
II : Left kick panel(*2)
J 9(LHD), J20(RHD) JUNCTION CONNECTOR
IJ : Right kick panel(LHD)
II : Left kick panel(RHD)
J27 JUNCTION CONNECTOR
Right kick panel
IH : Left kick panel(LHD)
IK : Right kick panel(RHD)
From FAN NO. 3 Relay<34-8>
From FAN NO. 1 Relay<34-6>
From Engine ECU(M/T) or Engine and ECT ECU(A/T) <3-6><3-8><4-3><5-6><6-7><7-7><8-2><8-3>
MG CLT RELAY
HEATER RELAY

(Cont. next page)




Automatic Air Conditioner
Radiator Fan and Condenser Fan
* 1 : Gasoline
* 2 : Diesel
* 3 : General Stoichiometric Type
* 4 : 2C–TE
* 5 : Lean Burn Type
* 6 : 3S–FE
* 7 : Europe Stoichiometric Type
5
6
7
8
H14
HEATER CONTROL SW
MG CLT RELAY
A 4
A/C MAGNETIC CLUTCH AND LOCK SENSOR
30A FAN SUB
40A FAN MAIN
FAN NO. 1 RELAY
FAN NO. 2 RELAY
FAN NO. 3 RELAY
A 2
A/C CONDENSER FAN MOTOR
A 5
A/C SINGLE PRESSURE SW
W 3
WATER TEMP. SW
R 1
RADIATOR FAN MOTOR
IF2
IE2
IH1
IH3
LG
(Auto A/C)
(LHD)
(RHD)
(Manual A/C)
To A/C Amplifier
<33-3>
To Engine ECU(M/T) or Engine and ECT ECU(A/T)<3-7> <4-8><5-6><7-7>
L–B(RHD *5)
LG (RHD *6 *4)
L–B(LHD *5 *7)
LG (LHD *6 *4)
Under the headlight LH
Under the headlight RH
EB
EA


Power Source
Theft Deterrent (RHD)
* 1 : Gasoline
* 2 : Diesel
* 3 : 4A-FE, 7A-FE
* 4 : 3S-FE, 2C-TE
I13
IGNITION SW
ACC
IG1
AM1
40A AM1
100A ALT
FUSIBLE LINK BLOCK
F15, F17
FL MAIN
2. 0L
BATTERY
7.5A DOME
SHORT PIN
15A HAZARD
5A ECU-IG
10A GAUGE
From Interior Light <16-2>
To Turn Signal Lights <13-3><13-4>
To Wireless Door Lock ECU <23-2>
To Integration Relay<23-3>
G 5
GLASS BREAKAGE SENSOR ECU
G 6
GLASS BREAKAGE SENSOR MICROPHONE
T 5
THEFT DETERRENT ECU
IG
DML
TRNL
TRNR
UL2
UL1
UL3
KL
L1
HAZB
GBS
CTLS
TRIG
IND
GND
RS+B
RDS
HDCY
CTYD
QCK
CTYB
S 1, S 2
SHORT CONNECTOR
S10
STATUS MONITOR
J23
JUNCTION CONNECTOR
R 3
RADAR SENSOR
E 2
ENGINE HOOD COURTESY SW
To Door Courtesy SW<16-1>
To Unlock Warning SW<23-1>
To Luggage Room Light SW<16-4>
J34, J35
JUNCTION CONNECTOR
T 1
THEFT DETERRENT SIREN
Under the headlight RH
Under the headlight LH
J27
JUNCTION CONNECTOR
Right kick panel
Rear quarter panel LH
Rear quarter panel RH

TOYOTA
QUALITY SERVICE

OVERSEAS SERVICE DIVISION
TOYOTA MOTOR CORPORATION

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