FOREWORD

This wiring diagram manual has been prepared to provide information on the electrical system of the 2000 MR2.

Applicable models: ZZW30 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.
● 2000 MR2 Repair Manual	RM760U
● 2000 MR2 New Car Features	NCF179U

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.

A INTRODUCTION

This manual consists of the following 13 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	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.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
M	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.)

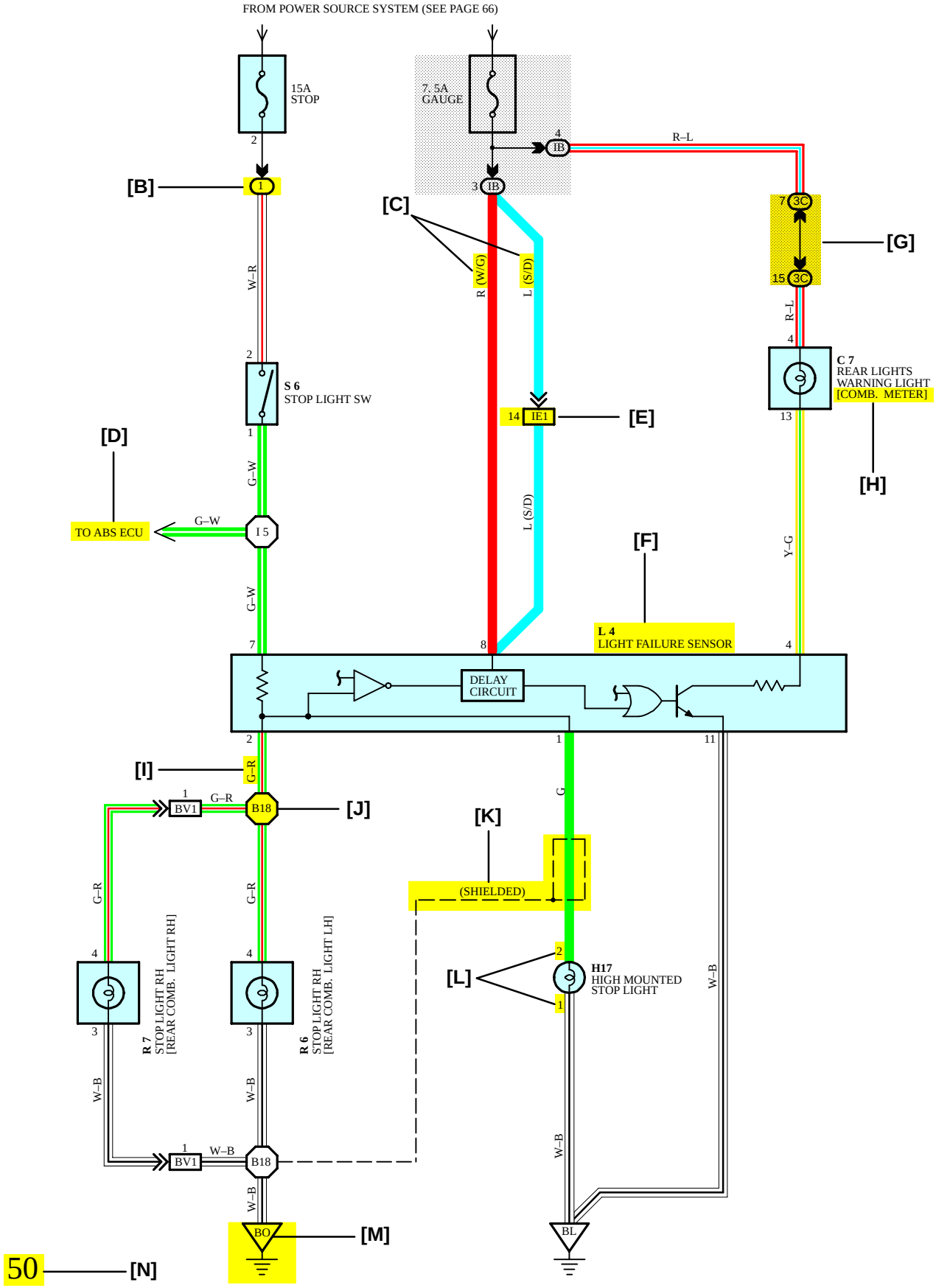
When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Point section). See the System Outline to understand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

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

[A]

STOP LIGHT

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



[A] : System Title

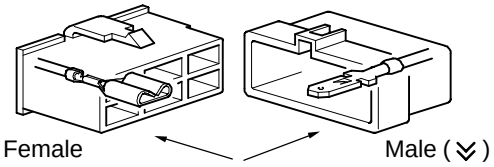
[B] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B

Example: (1) Indicates Relay Block No.1

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

[D] : Indicates related system.

[E] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



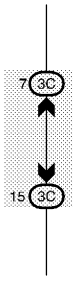
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

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.

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

[G] : 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:



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

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

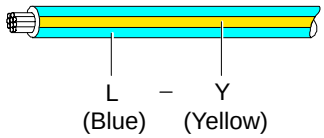
[I] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

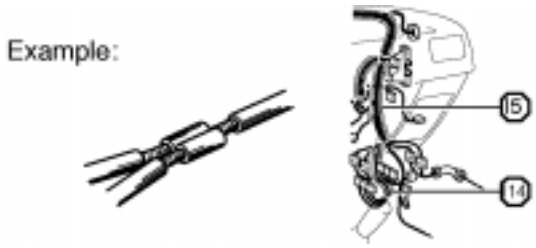
B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Violet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

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

Example: L – Y

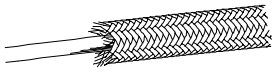


[J] : Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).



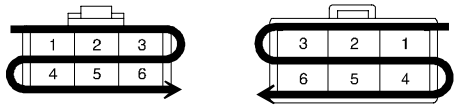
The Location of splice Point I 5 is indicated by the shaded section.

[K] : Indicates a shielded cable.



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

Example:



Female Male

[M] : 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.

[N] : Page No.

[O] **SYSTEM OUTLINE**

Current is applied at all times through the STOP fuse to TERMINAL 2 of the stop light SW.
When the ignition SW is turned on, current flows from the GAUGE fuse to TERMINAL 8 of the light failure sensor, and also flows through the rear lights warning light to TERMINAL 4 of the light failure sensor.

STOP LIGHT DISCONNECTION WARNING

When the ignition SW is turned on and the brake pedal is pressed (Stop light SW on), if the stop light circuit is open, the current flowing from TERMINAL 7 of the light failure sensor to TERMINALS 1, 2 changes, so the light failure sensor detects the disconnection and the warning circuit of the light failure sensor is activated.
As a result, the current flows from TERMINAL 4 of the light failure sensor to TERMINAL 11 to GROUND and turns the rear lights warning light on. By pressing the brake pedal, the current flowing to TERMINAL 8 of the light failure sensor keeps the warning circuit on and holds the warning light on until the ignition SW is turned off.

[P] **SERVICE HINTS**

S6 STOP LIGHT SW

2–1 : Closed with the brake pedal depressed

L4 LIGHT FAILURE SENSOR

1, 2, 7–GROUND : Approx. **12** volts with the stop light SW on
4, 8–GROUND : Approx. **12** volts with the ignition SW at **ON** position
11–GROUND : Always continuity

[Q] **: PARTS LOCATION**

Code	See Page	Code	See Page	Code	See Page
C7	34	L4	36	R7	37
H17	36	R6	37	S6	35

[R] **: RELAY BLOCKS**

Code	See Page	Relay Blocks (Relay Block Location)
1	18	R/B No.1 (Instrument Panel Left)

[S] **: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR**

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	20	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3C	22	Instrument Panel Wire and J/B No.3 (Instrument Panel Left Side)

[T] **: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	42	Floor Wire and Instrument Panel Wire (Left Kick Panel)
BV1	50	Luggage Room Wire and Floor Wire (Luggage Compartment Left)

[U] **: GROUND POINTS**

Code	See Page	Ground Points Location
BL	50	Under the Left Quarter Pillar
BO	50	Back Panel Center

[V] **: SPLICE POINTS**

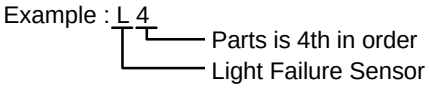
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

[O] : Explains the system outline.

[P] : Indicates values or explains the function for reference during troubleshooting.

[Q] : Indicates the reference page showing the position on the vehicle of the parts in the system circuit.

Example : Part ”L4” (Light Failure Sensor) is on page 36 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.



[R] : 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 18 of this manual and is installed on the left side of the instrument panel.

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

Example : Connector ”3C” connects the Instrument Panel Wire and J/B No.3. It is described on page 22 of this manual, and is installed on the instrument panel left side.

[T] : 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 ”IE1” connects the floor wire (female) and Instrument panel wire (male). It is described on page 42 of this manual, and is installed on the left side kick panel.

[U] : Indicates the reference page showing the position of the ground points on the vehicle.

Example : Ground point ”BO” is described on page 50 of this manual and is installed on the back panel center.

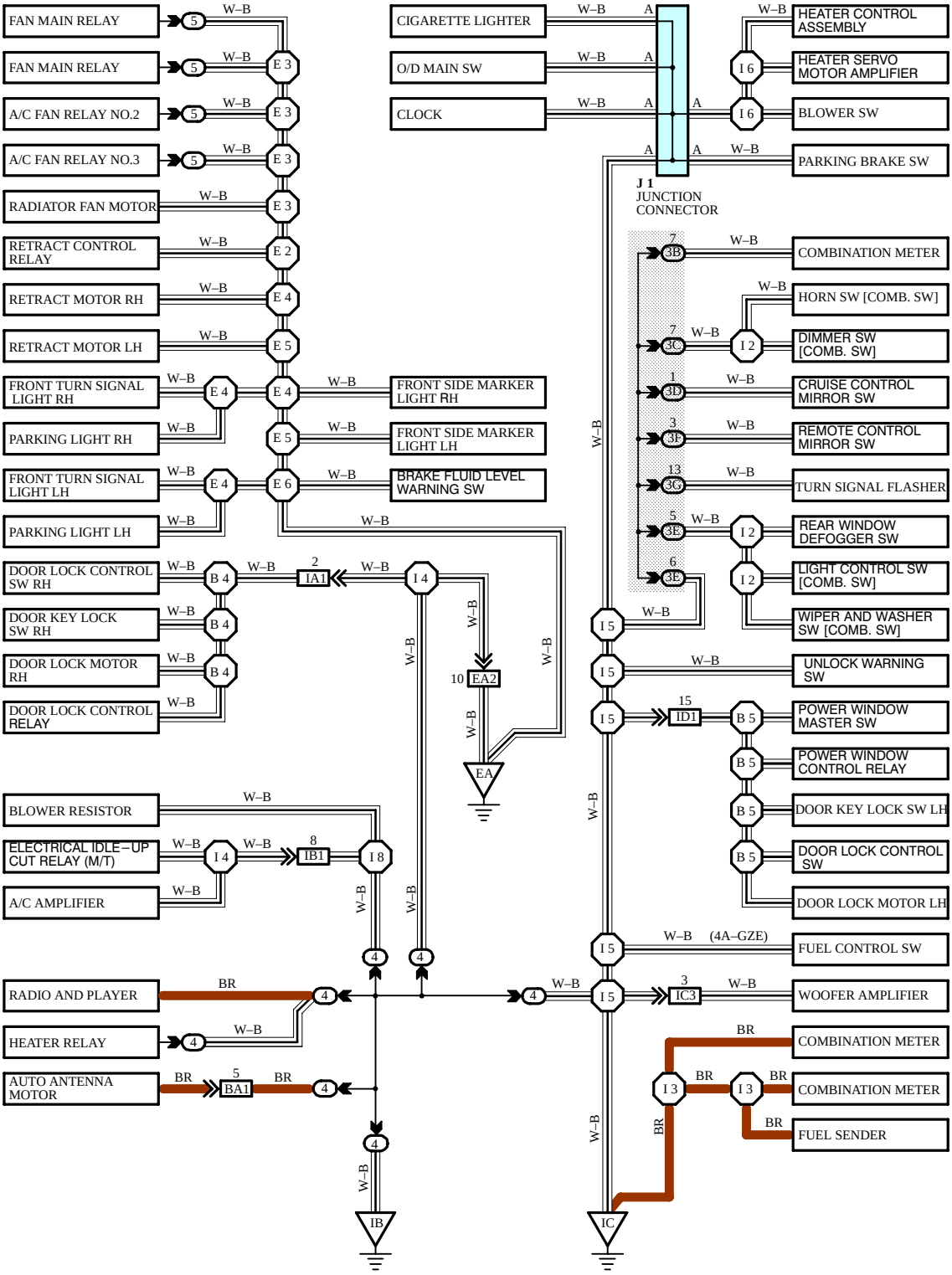
[V] : Indicates the reference page showing the position of the splice points on the vehicle.

Example : Splice point ”I5” is on the Cowl Wire Harness and is described on page 44 of this manual.

B HOW TO USE THIS MANUAL

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.

I GROUND POINT

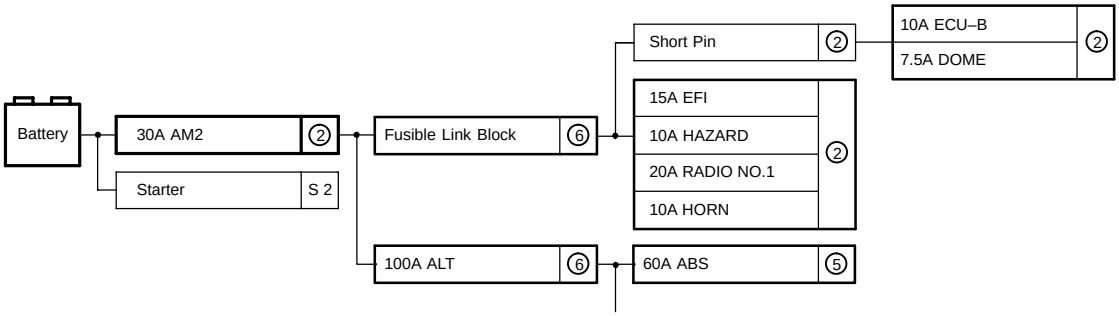


* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

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.

J POWER SOURCE (Current Flow Chart)

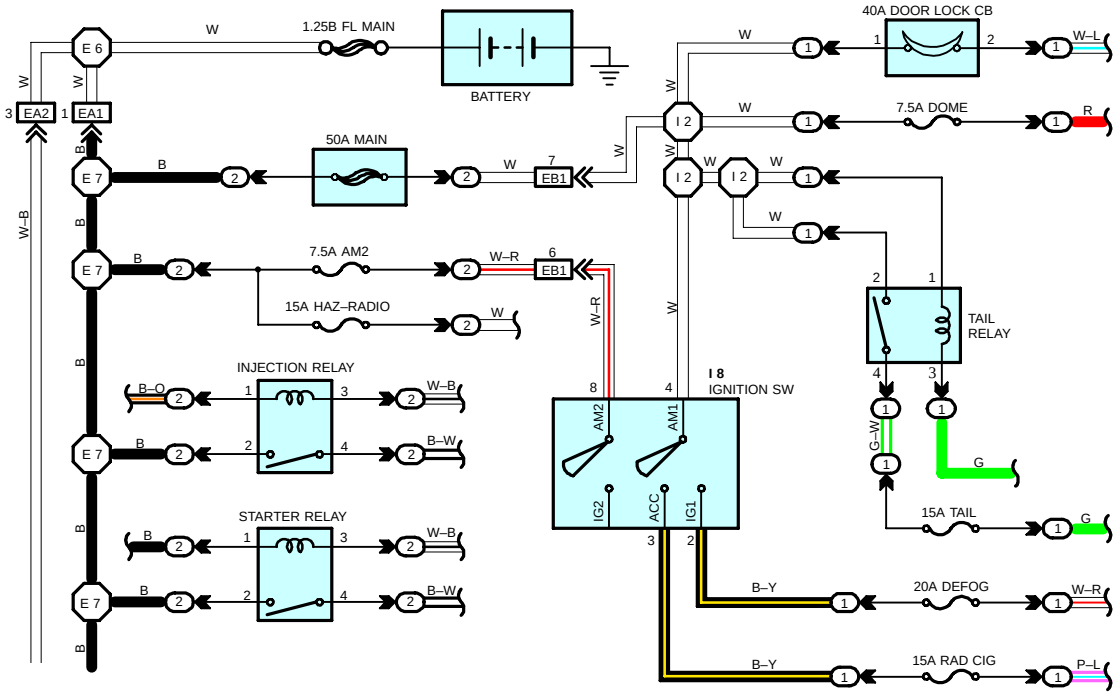
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

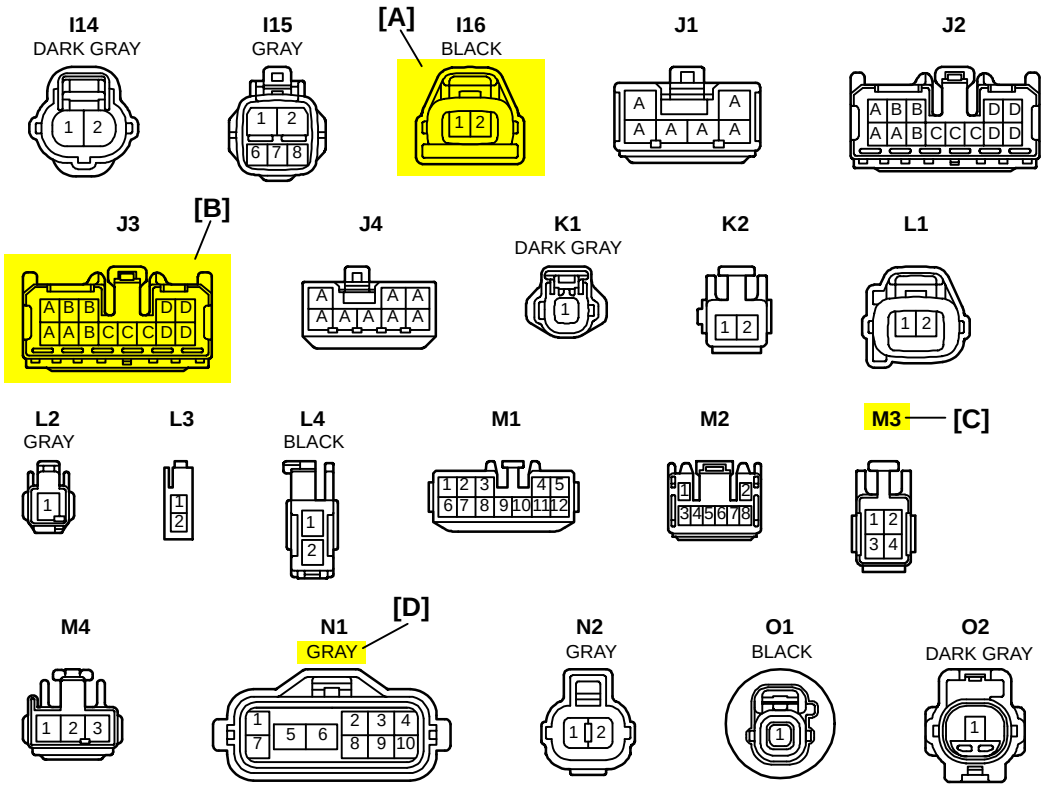
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission and A/T Indicator Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter and Clock Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto Turn Off ft Deterrent and Door L...	214 230 112 122

POWER SOURCE



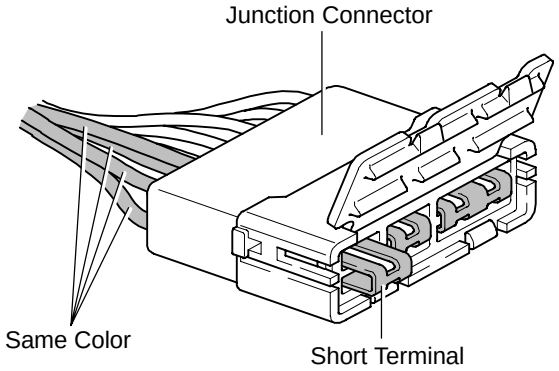
* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

K CONNECTOR LIST



[A] : Indicates connector to be connected to a part. (The numeral indicates the pin No.)

[B] : Junction Connector
Indicates a connector which is connected to a short terminal.



Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.

[C] : Parts Code
The first letter of the code is taken from the first letter of part, and the numbers indicates its order in parts which start with the same letter.

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

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11070
A 2	A/C Condenser Fan Motor	90980–11237
A 3	A/C Condenser Fan Relay	90980–10940
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980–10943
[A]	A/T Oil Temp. Sensor [B]	90980–11413 [C]
A 6	ABS Actuator	90980–11151
A 7	ABS Actuator	90980–11009
A 8	ABS Speed Sensor Front LH	90980–10941
A 9	ABS Speed Sensor Front RH	90980–11002
A10	Airbag Sensor Front LH	90980–11856
A11	Airbag Sensor Front RH	
A12	[illegible]	90980–11194
	[illegible]	90980–11[illegible]

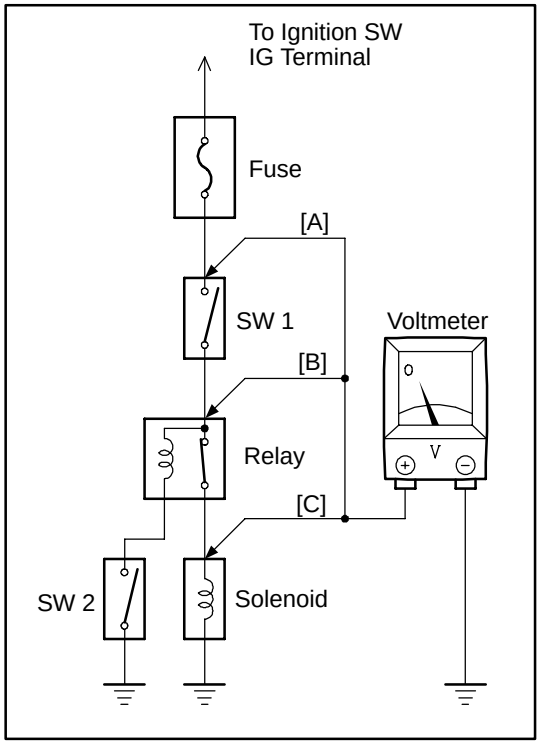
Code	Part Name	Part Number
D 4	Diode (Door Courtesy Light)	90980–11608
D 5	Diode (Key Off Operation)	90980–10962
D 6	Diode (Luggage Compartment Light)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Courtesy Light LH	90980–11148
D 9	Door Courtesy Light RH	
D10	Door Courtesy SW LH	90980–11097
D11	Door Courtesy SW RH	
D12	Door Courtesy SW Front LH	90980–11156
D13	Door Courtesy SW Front RH	
D14	Door Courtesy SW Rear LH	
D15	Door Courtesy SW Rear RH	
D16	[illegible] Unlock SW LH	90980–11170
	[illegible]	

[A] : Part Code

[B] : Part Name

[C] : Part Number
Toyota Part Number are indicated.

Not all of the above part numbers of the connector are established for the supply. In case of ordering a connector or terminal with wire, please confirm in advance if there is supply for it using “Parts Catalog News” (published by Parts Engineering Administration Dept.).

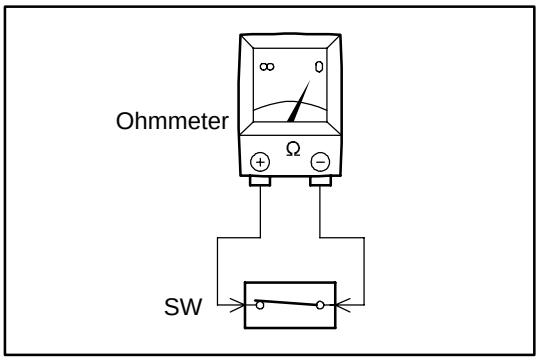


VOLTAGE CHECK

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

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

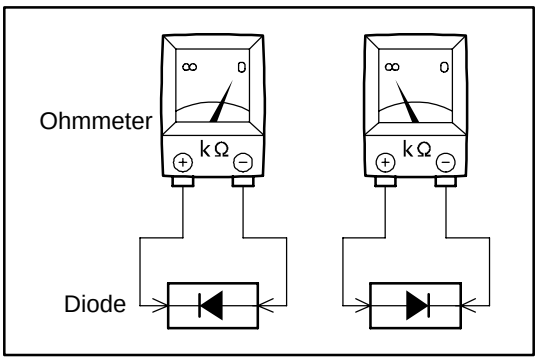
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



CONTINUITY AND RESISTANCE CHECK

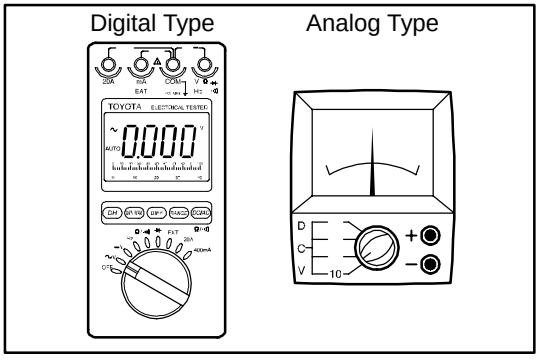
(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

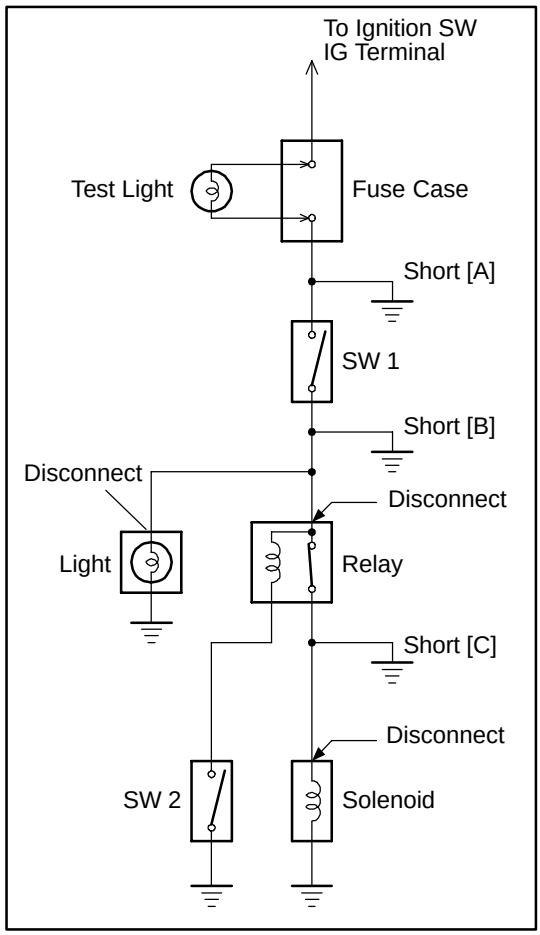
(b) Contact the two leads of an ohmmeter to each of the check points.



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

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





FINDING A SHORT CIRCUIT

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

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

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

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

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

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

CAUTION:

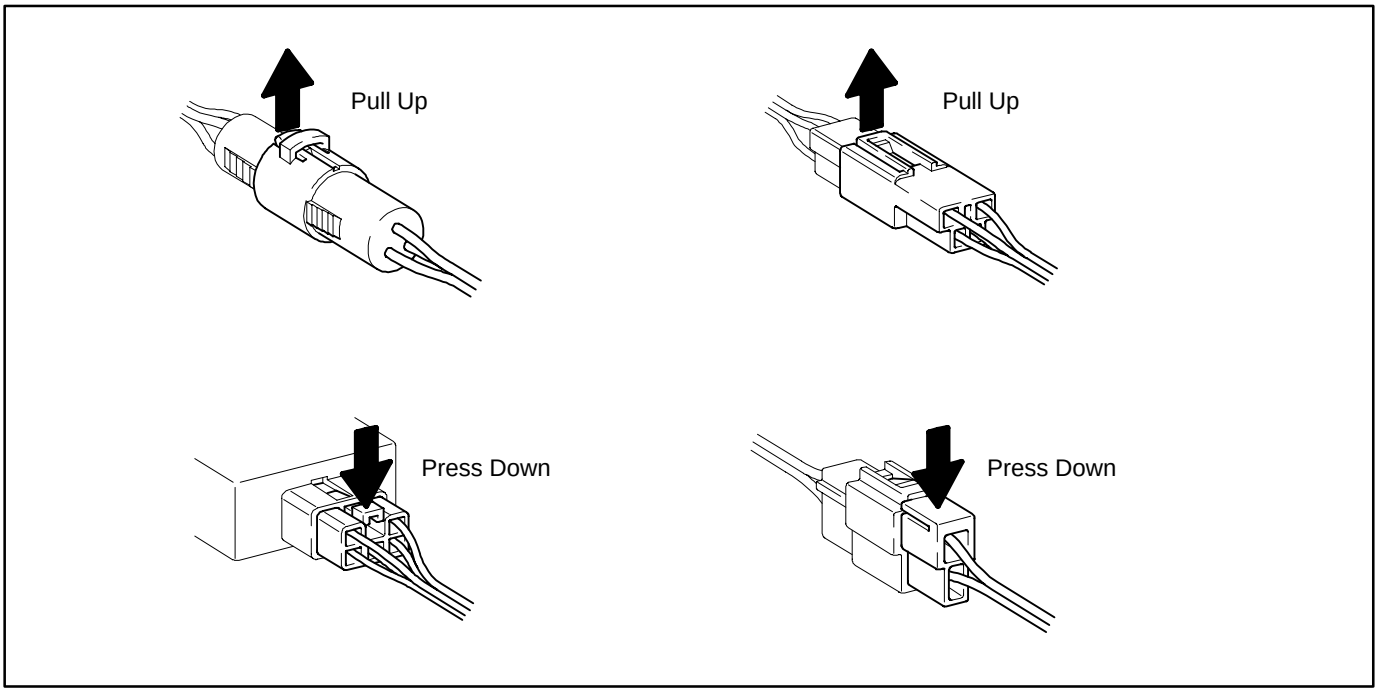
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

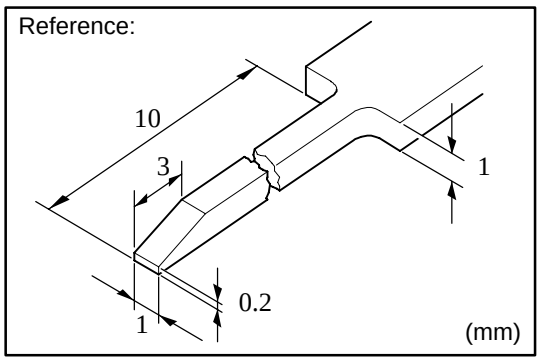
(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

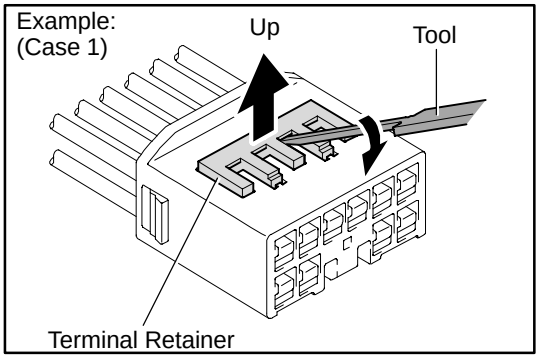
DISCONNECTION OF MALE AND FEMALE CONNECTORS

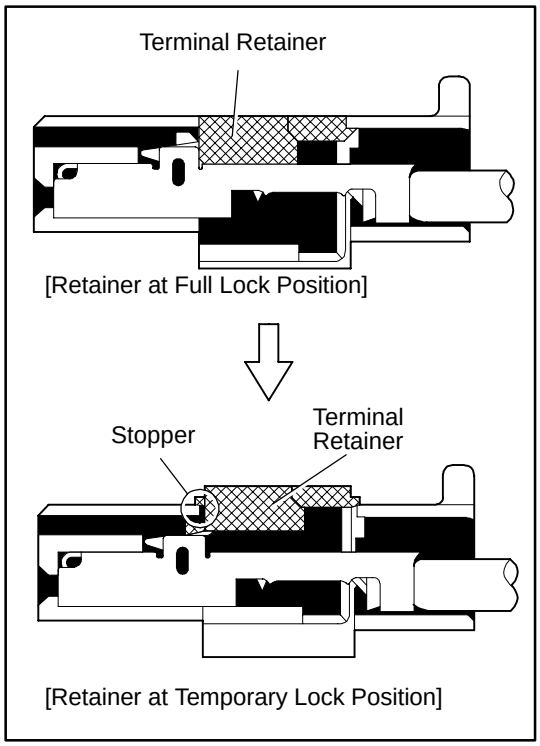
To pull apart the connectors, pull on the connector itself, not the wire harness.

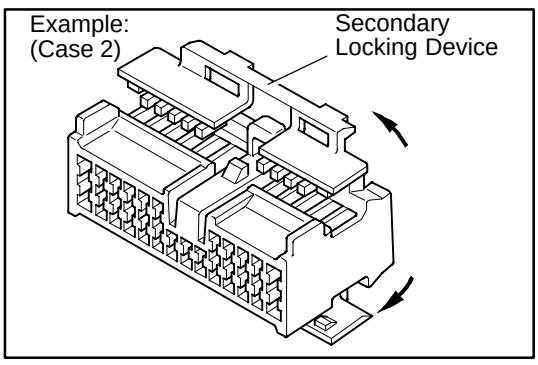
HINT : Check to see what kind of connector you are disconnecting before pulling apart.











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.

   [A] For Non–Waterproof Type Connector

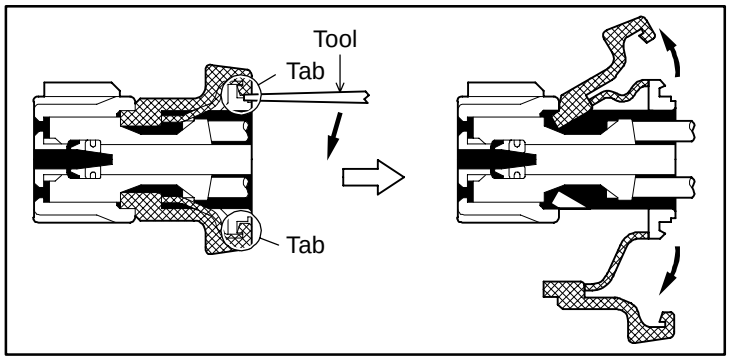
   HINT : The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

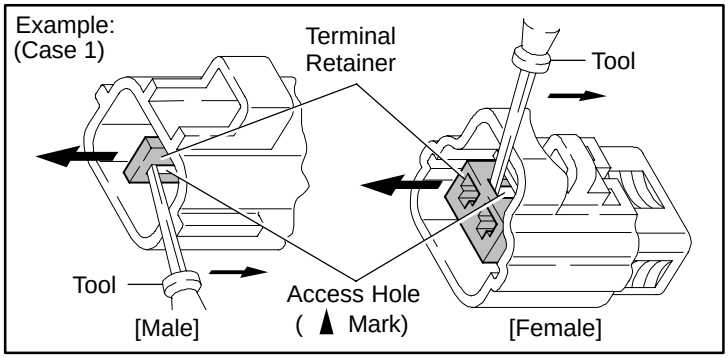
   "Case 1"

   Raise the terminal retainer up to the temporary lock position.

   "Case 2"

   Open the secondary locking device.



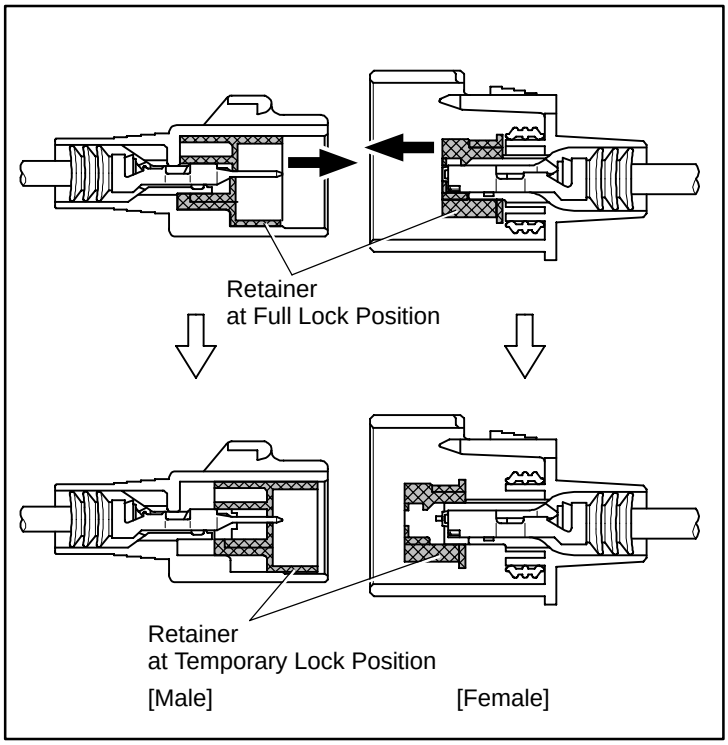


[B] For Waterproof Type Connector

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

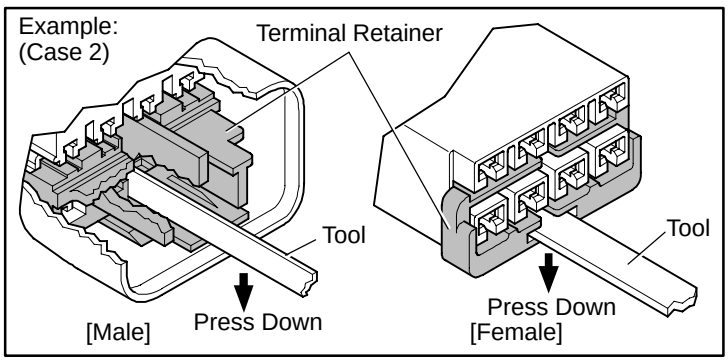


”Case 1”

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

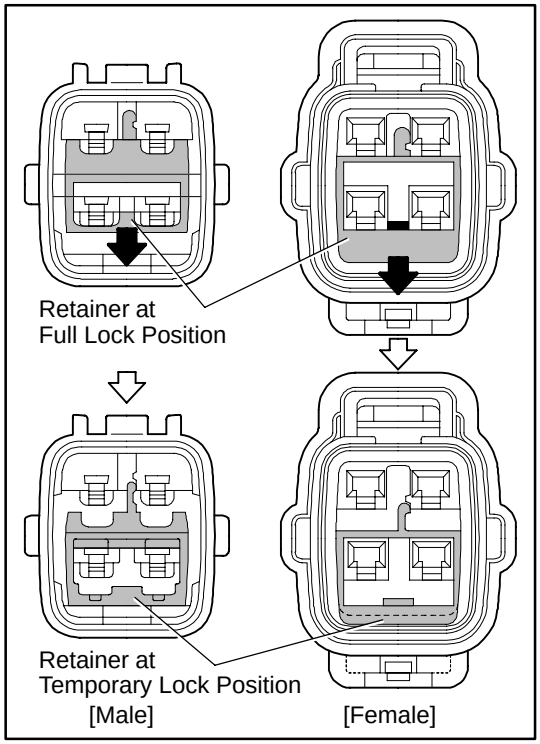
Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

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

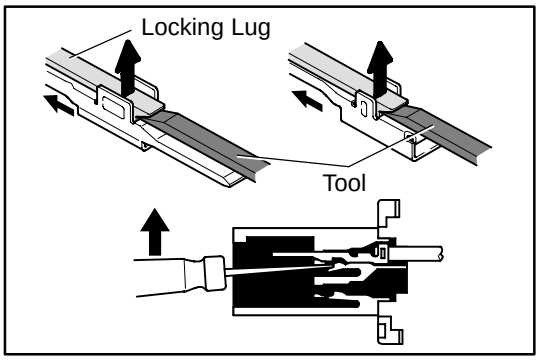


”Case 2”

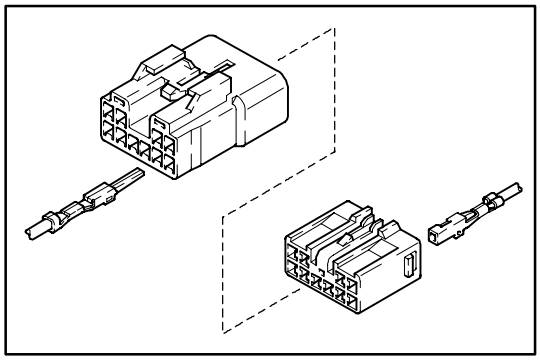
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.



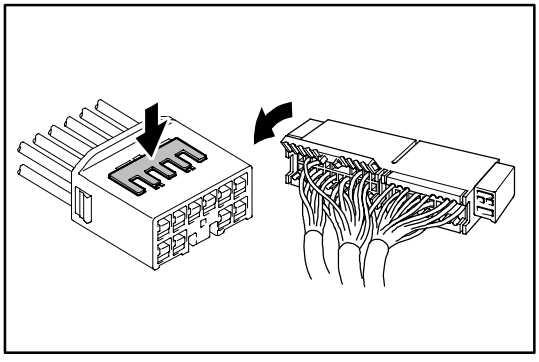
(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR

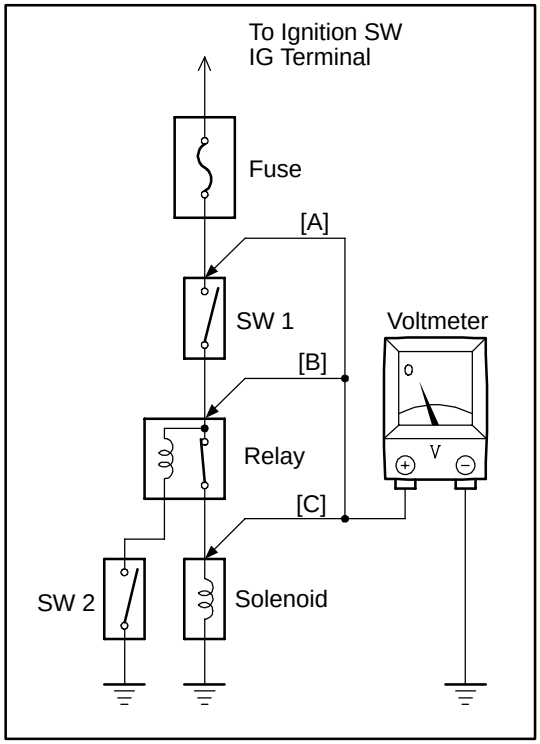
(a) Insert the terminal.

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

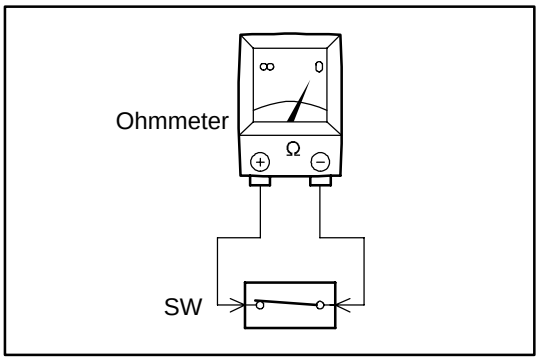


VOLTAGE CHECK

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

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

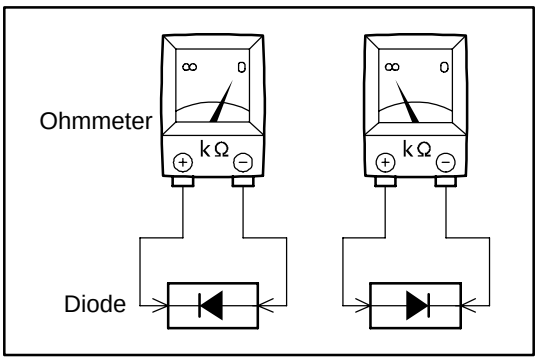
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



CONTINUITY AND RESISTANCE CHECK

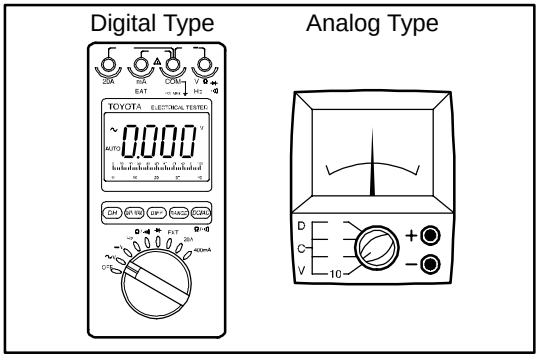
(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

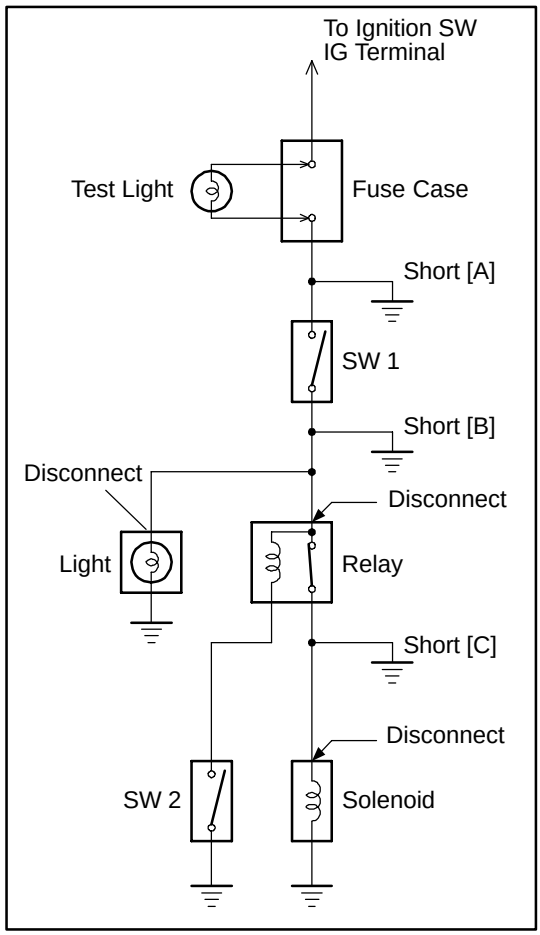
(b) Contact the two leads of an ohmmeter to each of the check points.



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

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





FINDING A SHORT CIRCUIT

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

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

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

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

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

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

CAUTION:

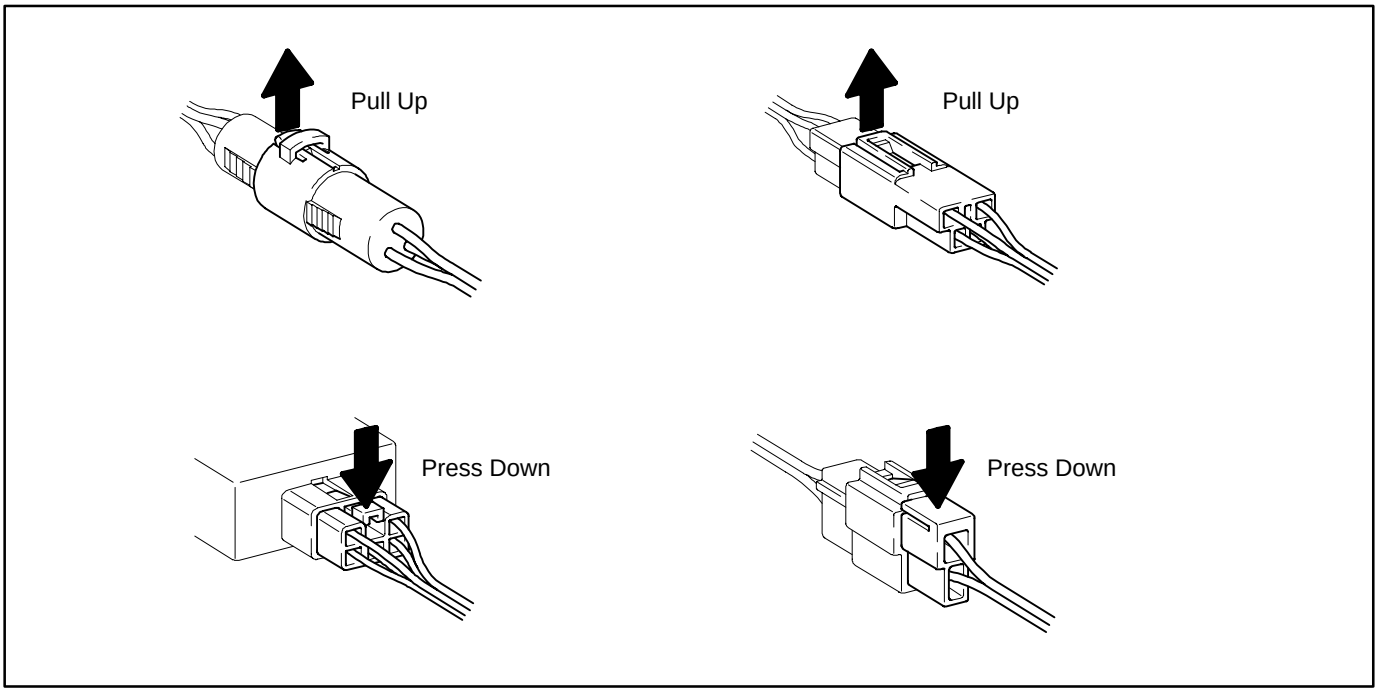
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

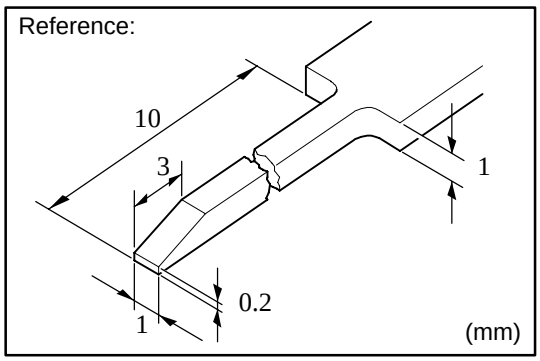
(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

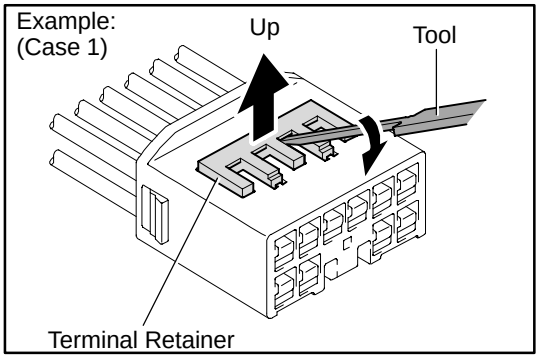
DISCONNECTION OF MALE AND FEMALE CONNECTORS

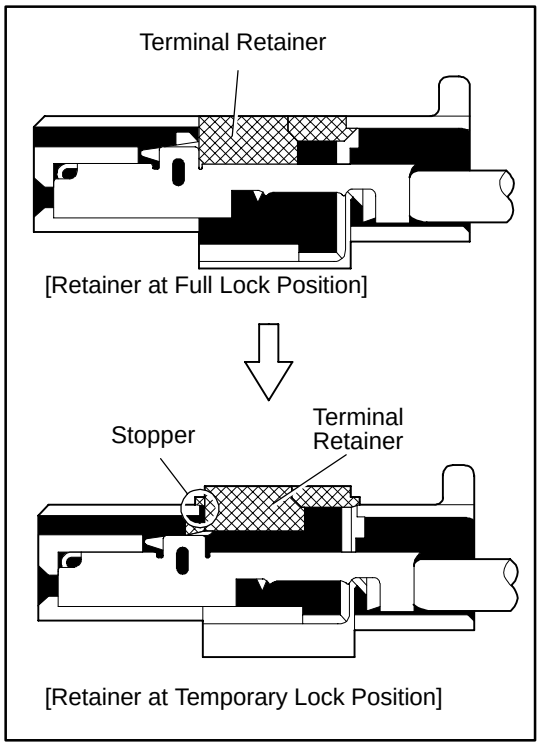
To pull apart the connectors, pull on the connector itself, not the wire harness.

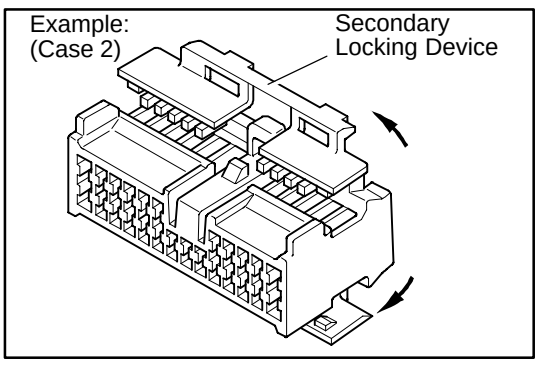
HINT : Check to see what kind of connector you are disconnecting before pulling apart.











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.

   [A] For Non–Waterproof Type Connector

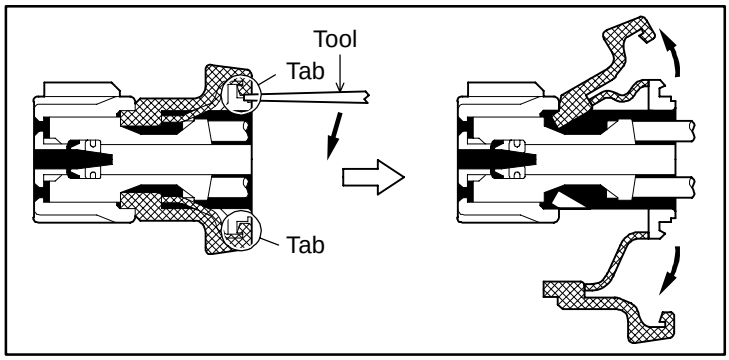
   HINT : The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

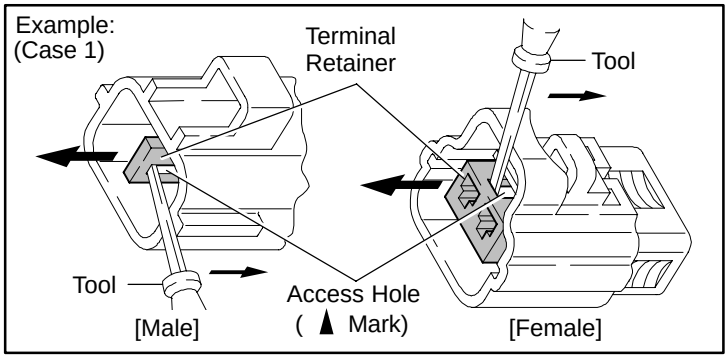
   "Case 1"

   Raise the terminal retainer up to the temporary lock position.

   "Case 2"

   Open the secondary locking device.



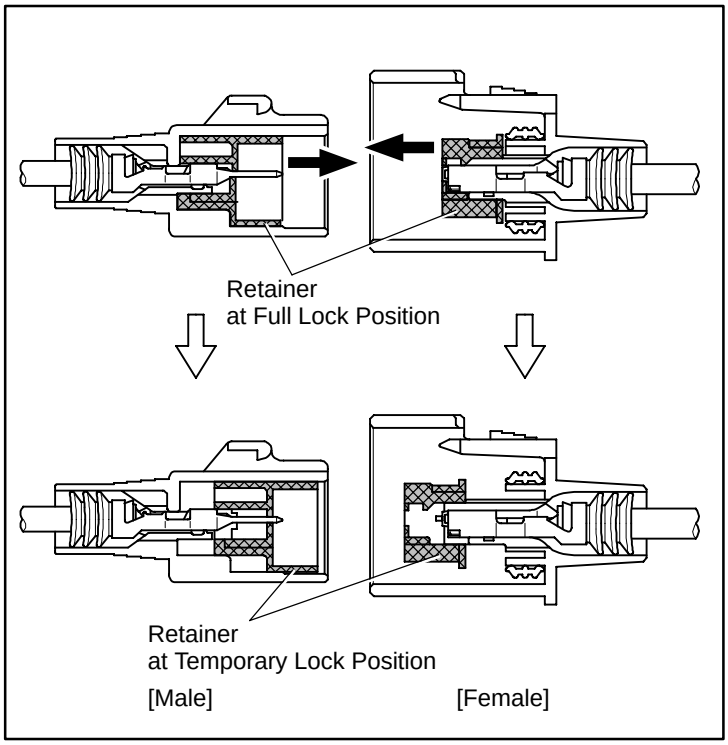


[B] For Waterproof Type Connector

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

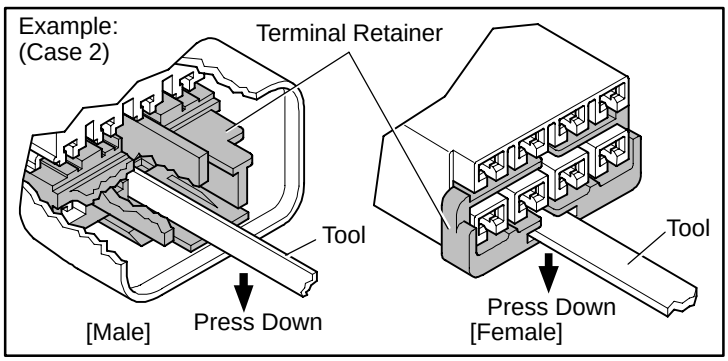


”Case 1”

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

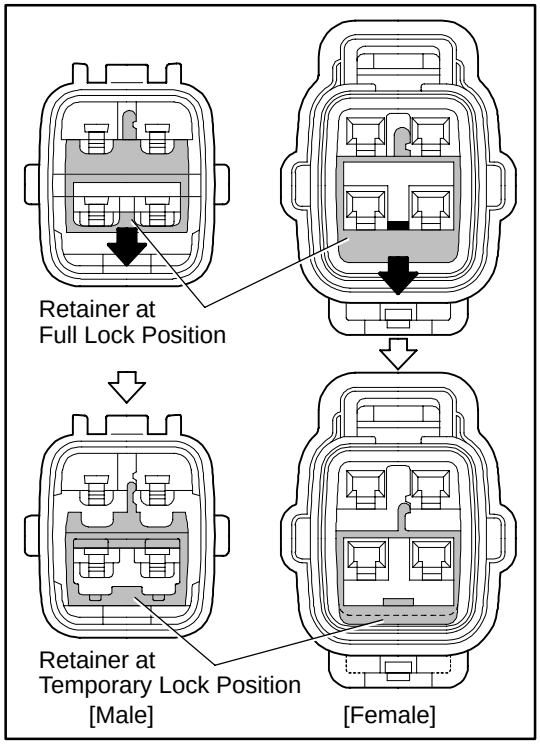
Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

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

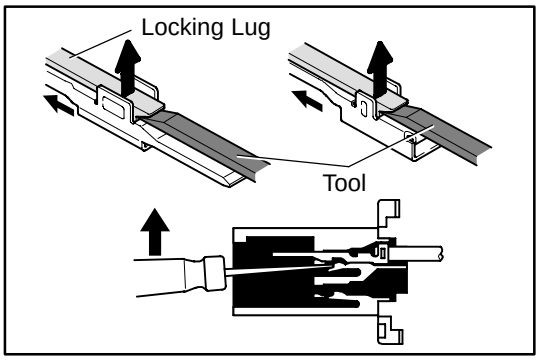


”Case 2”

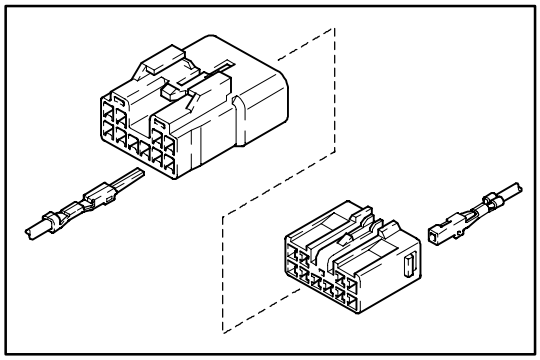
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.



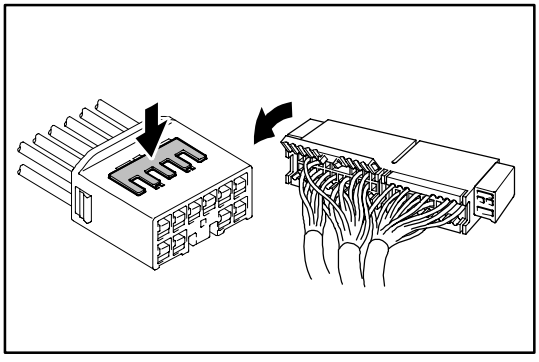
(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR

(a) Insert the terminal.

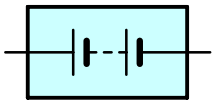
HINT:
1. Make sure the terminal is positioned correctly.
2. Insert the terminal until the locking lug locks firmly.
3. Insert the terminal with terminal retainer in the temporary lock position.



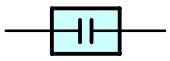
(b) Push the secondary locking device or terminal retainer in to the full lock position.

5. CONNECT CONNECTOR

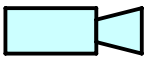
E GLOSSARY OF TERMS AND SYMBOLS



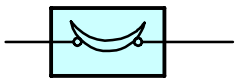
BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.



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



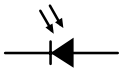
CIGARETTE LIGHTER
An electric resistance heating element.



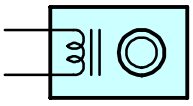
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

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

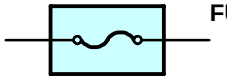
DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



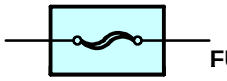
PHOTODIODE
The photodiode is a semiconductor which controls the current flow according to the amount of light.



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

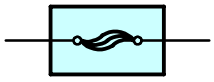


FUSE
A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.



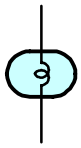
(for Medium Current Fuse)

FUSIBLE LINK
A heavy–gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the crosssection surface area of the wires.



(for High Current Fuse or Fusible Link)

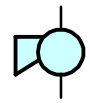
GROUND
The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.



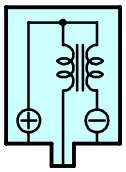
1. SINGLE FILAMENT

2. DOUBLE FILAMENT

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



HORN
An electric device which sounds a loud audible signal.



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

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

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

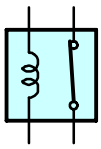
METER, ANALOG
Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.

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

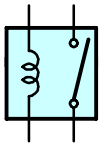
MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

RELAY

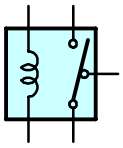
Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.



1. NORMALLY CLOSED

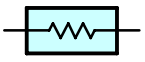


2. NORMALLY OPEN



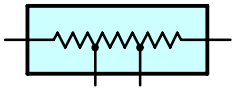
RELAY, DOUBLE THROW

A relay which passes current through one set of contacts or the other.



RESISTOR

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

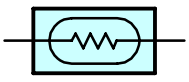


RESISTOR, TAPPED

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

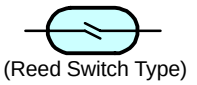
RESISTOR, VARIABLE or RHEOSTAT

A controllable resistor with a variable rate of resistance.
Also called a potentiometer or rheostat.



SENSOR (Thermistor)

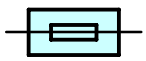
A resistor which varies its resistance with temperature.



(Reed Switch Type)

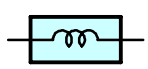
SENSOR, SPEED

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



SHORT PIN

Used to provide an unbroken connection within a junction block.



SOLENOID

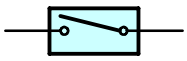
An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.

SPEAKER

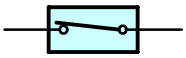
An electromechanical device which creates sound waves from current flow.

SWITCH, MANUAL

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



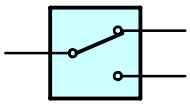
1. NORMALLY OPEN



2. NORMALLY CLOSED

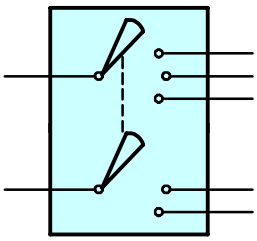
SWITCH, DOUBLE THROW

A switch which continuously passes current through one set of contacts or the other.



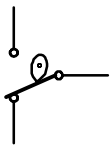
SWITCH, IGNITION

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



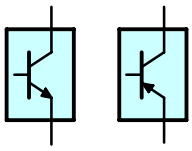
SWITCH, WIPER PARK

Automatically returns wipers to the stop position when the wiper switch is turned off.



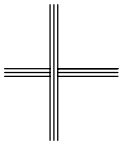
TRANSISTOR

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

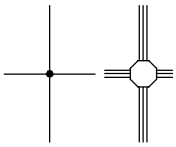


WIRES

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.



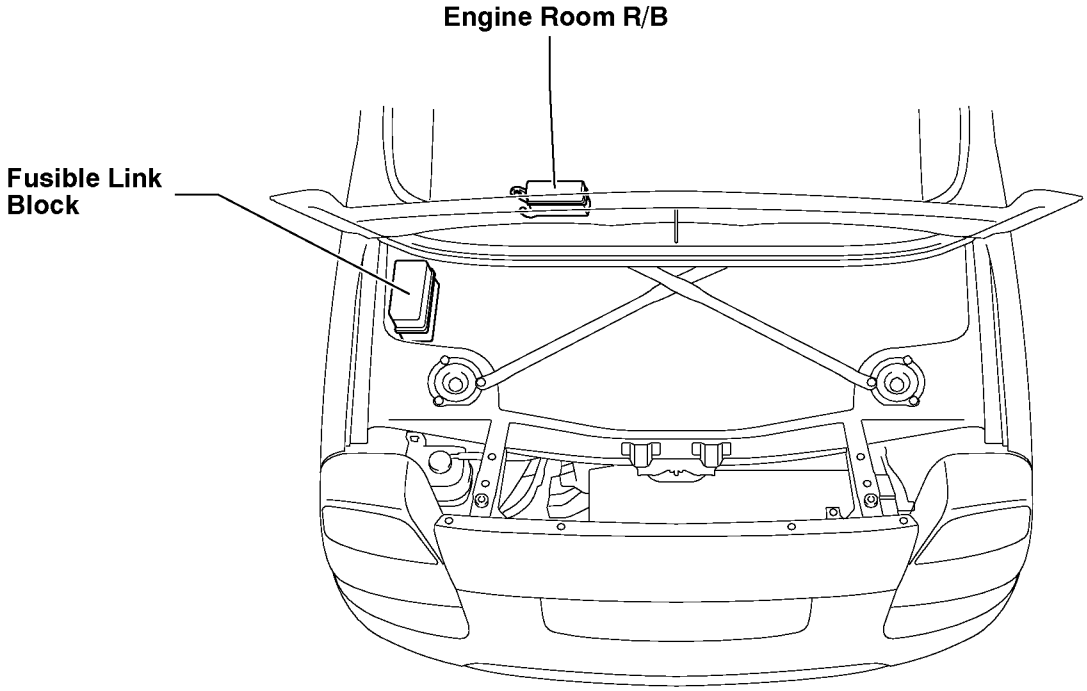
(1) NOT CONNECTED



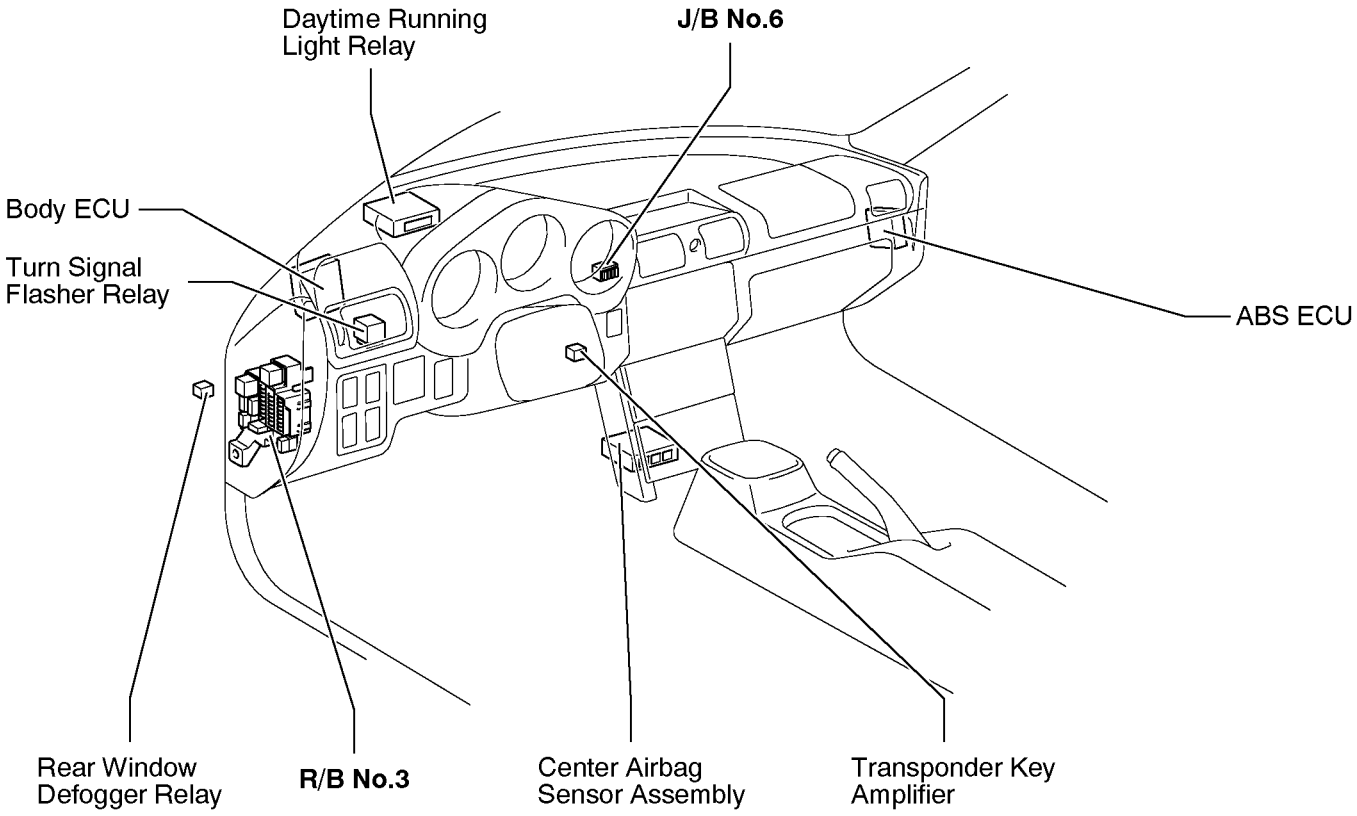
(2) SPLICED

F RELAY LOCATIONS

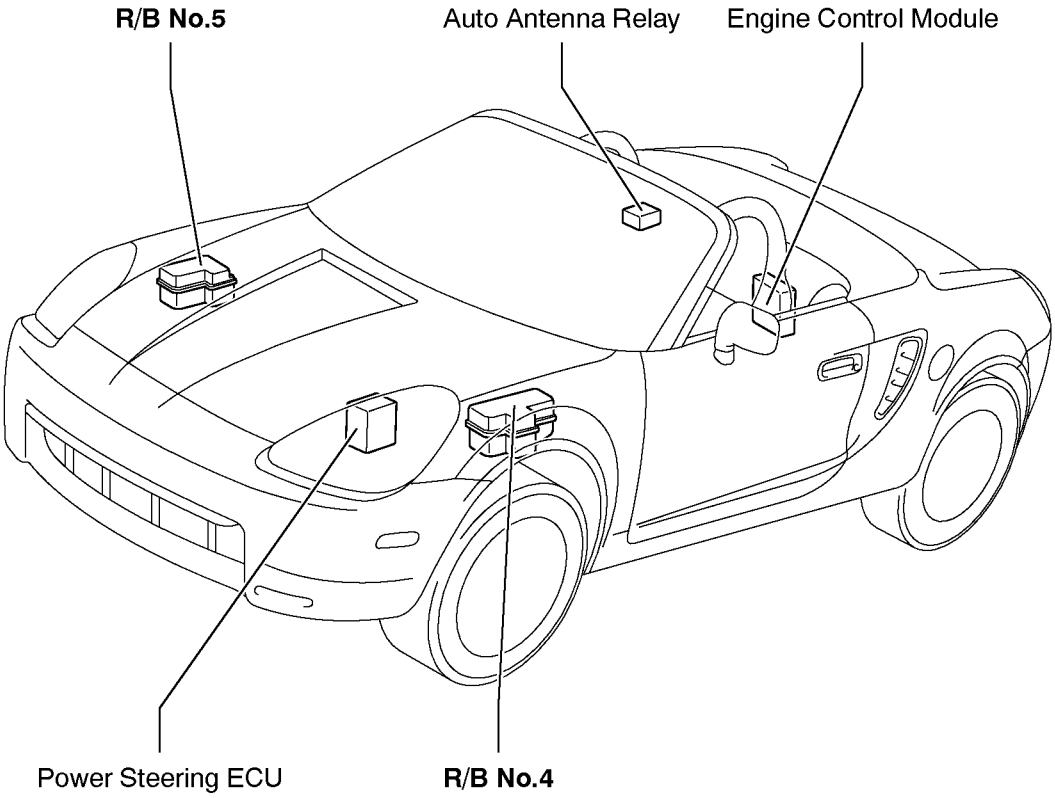
[Engine Compartment]



[Instrument Panel]

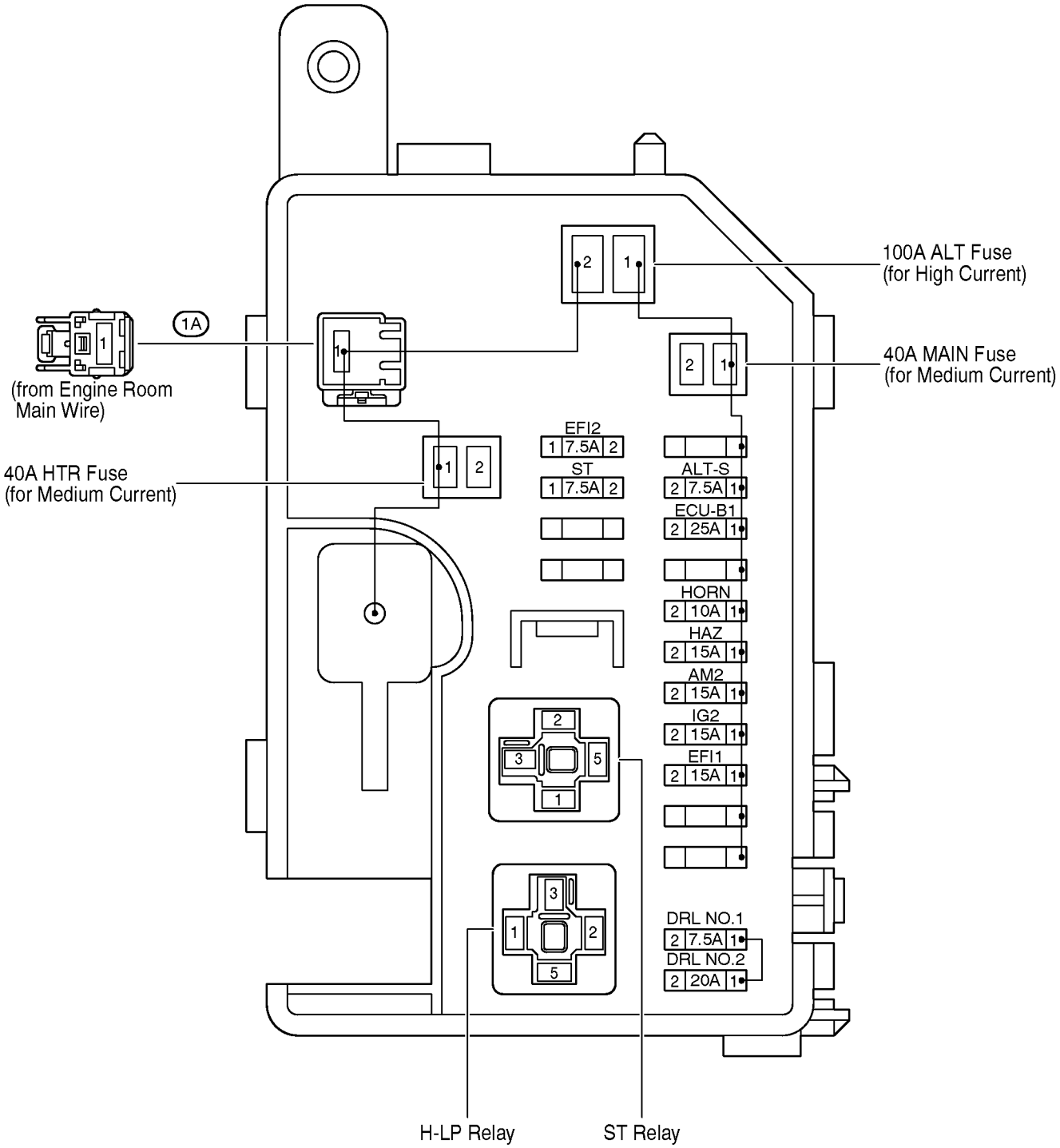


[Body]

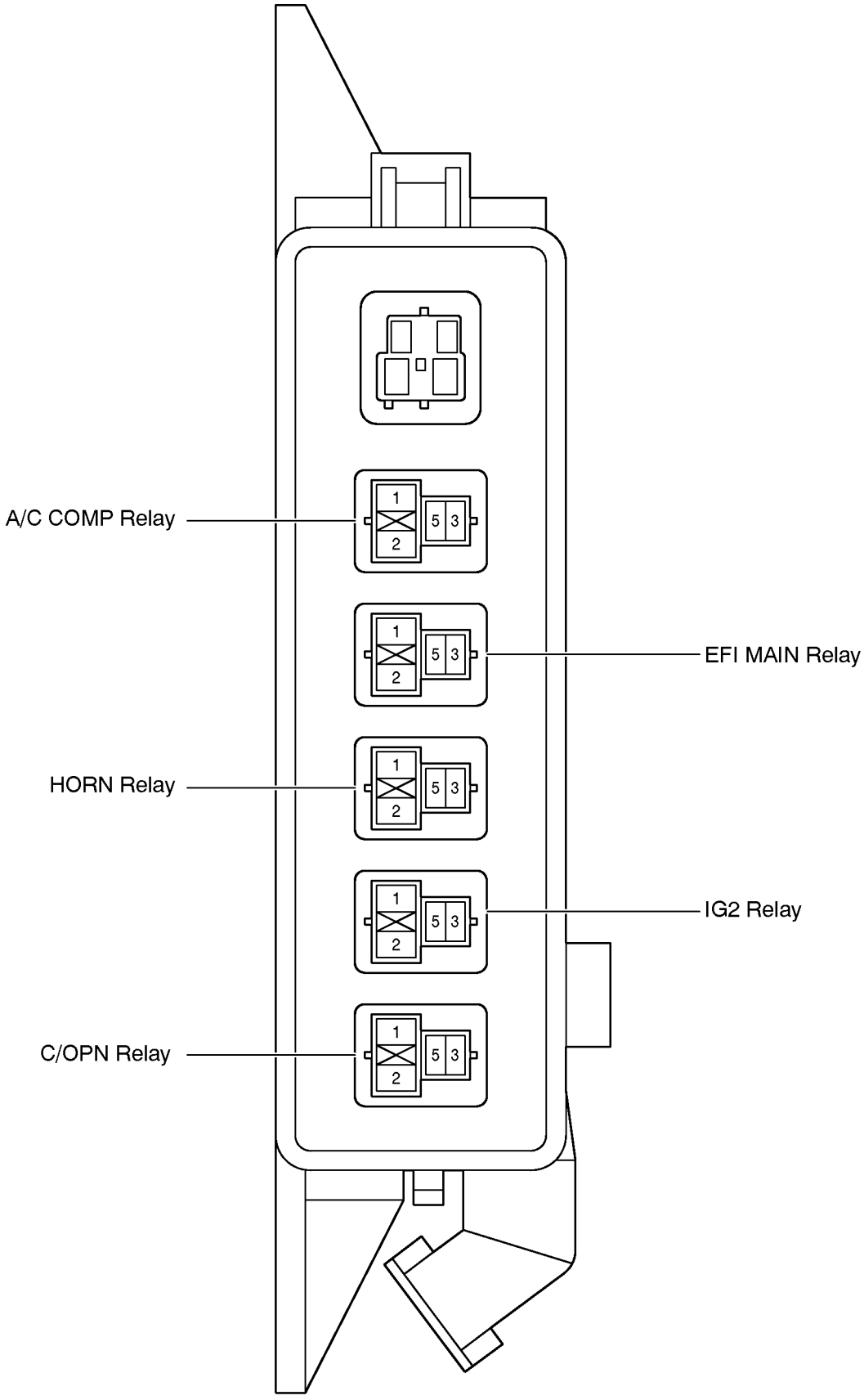

R/B No.5
Auto Antenna Relay
Engine Control Module
Power Steering ECU
R/B No.4

F RELAY LOCATIONS

① : Fusible Link Block ⬭ : J/B No.1	Engine Compartment Left (See Page 20)

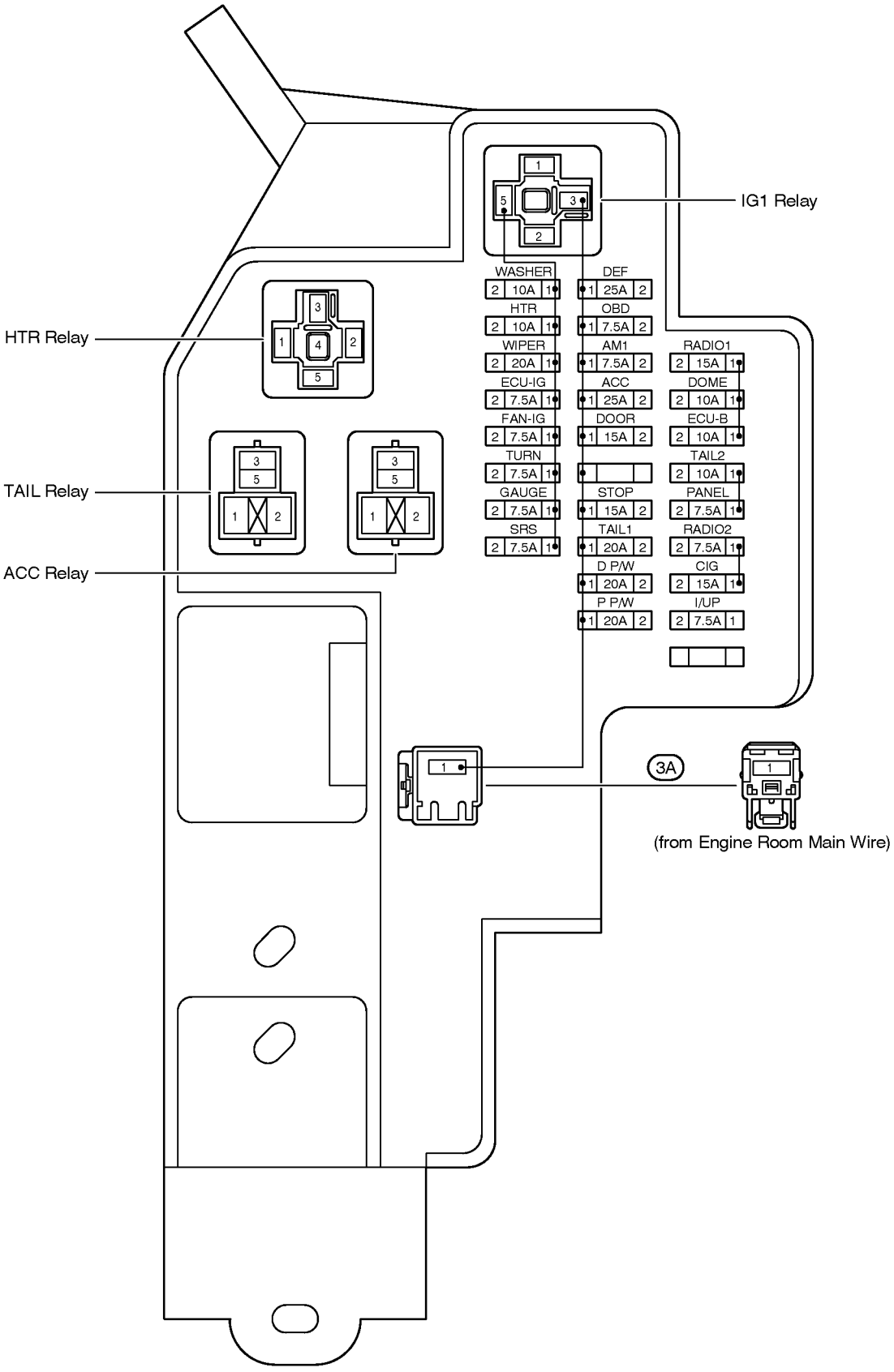


② : Engine Room R/B	Left Side of Room Partition Panel (See Page 20)

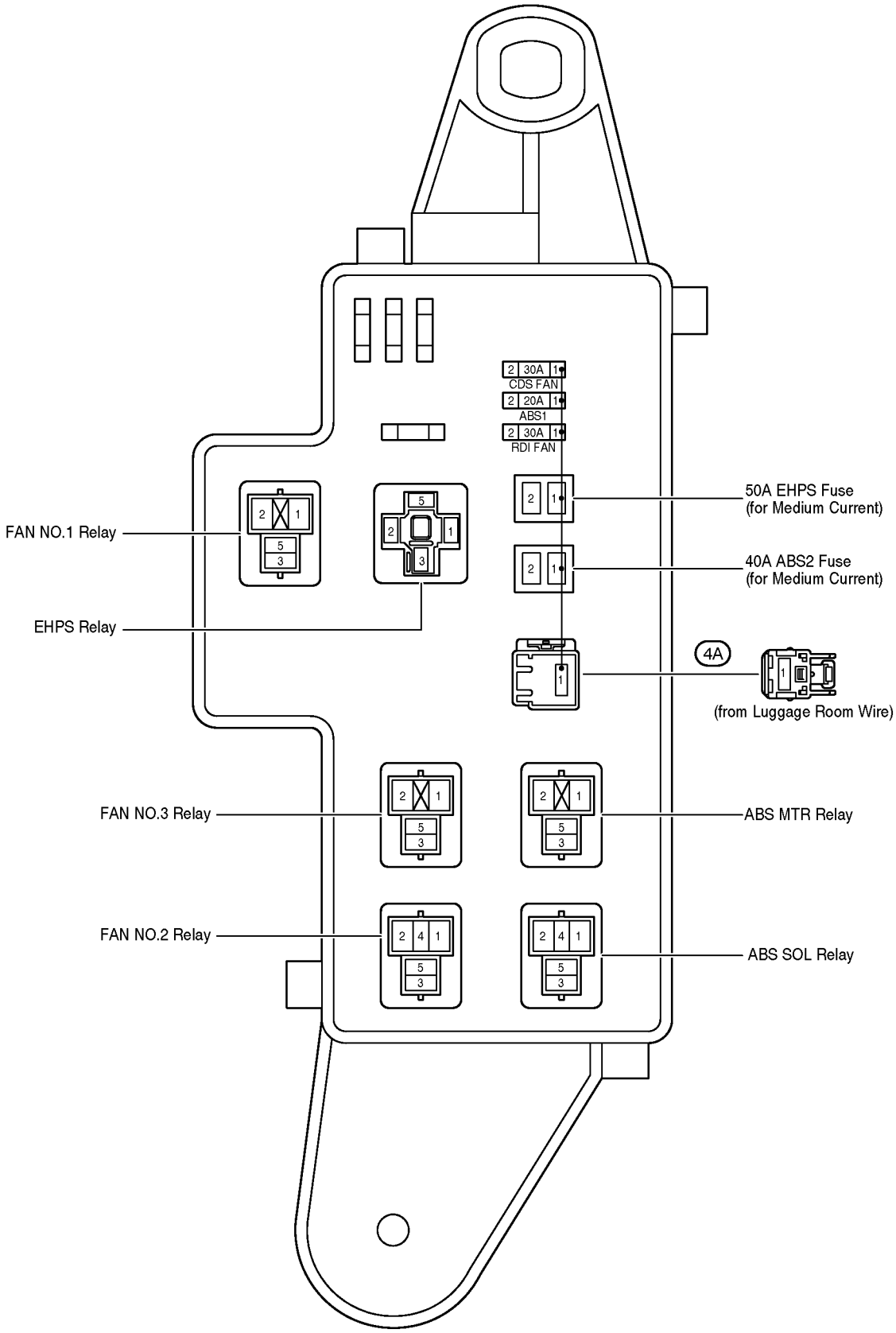


F RELAY LOCATIONS

③ : R/B No.3 ⬭ : J/B No.3	Left Side of Instrument Panel (See Page 20)

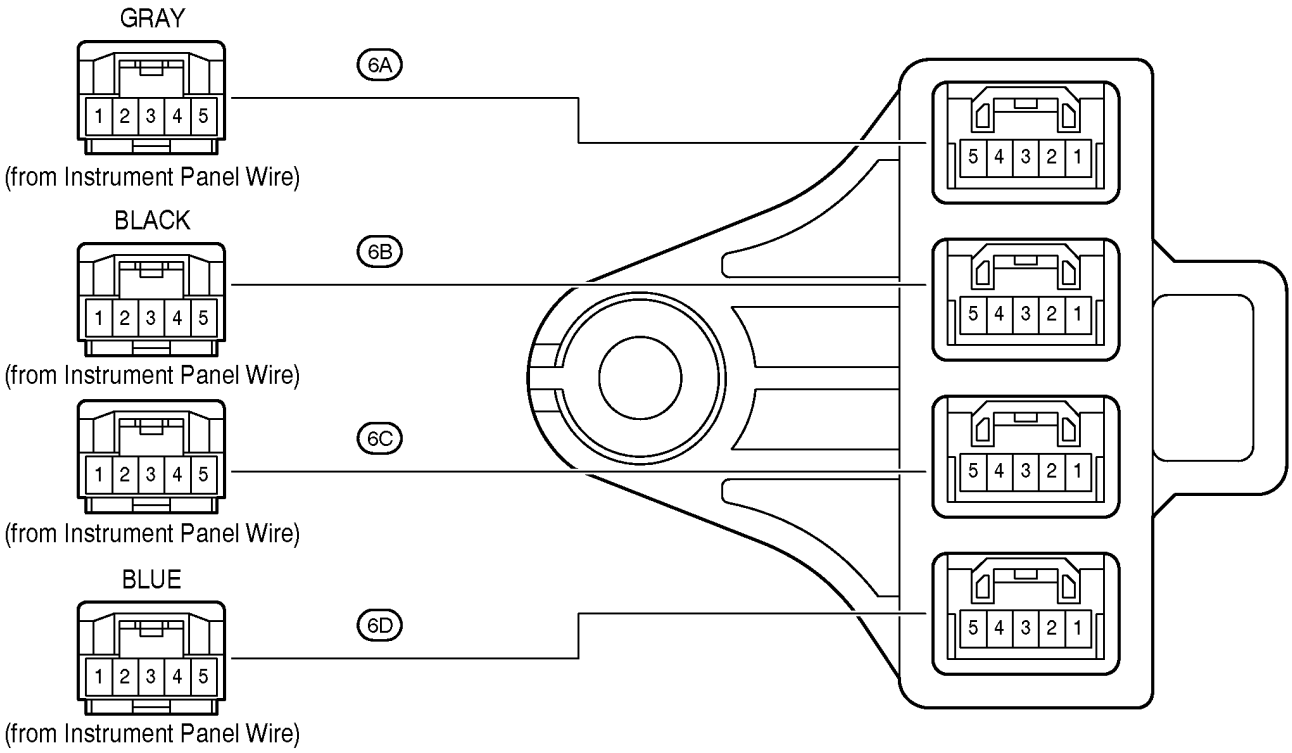


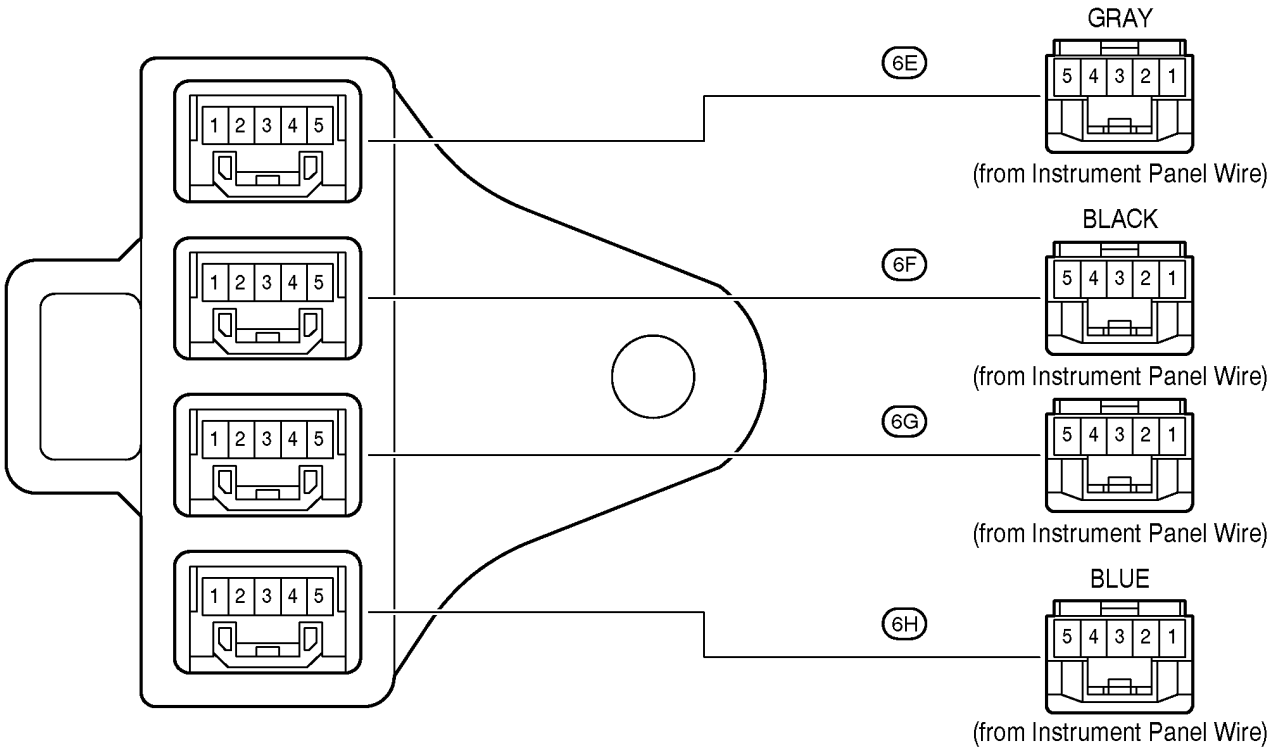
④ : R/B No.4 ⬭ : J/B No.4	Front Compartment Left (See Page 21)



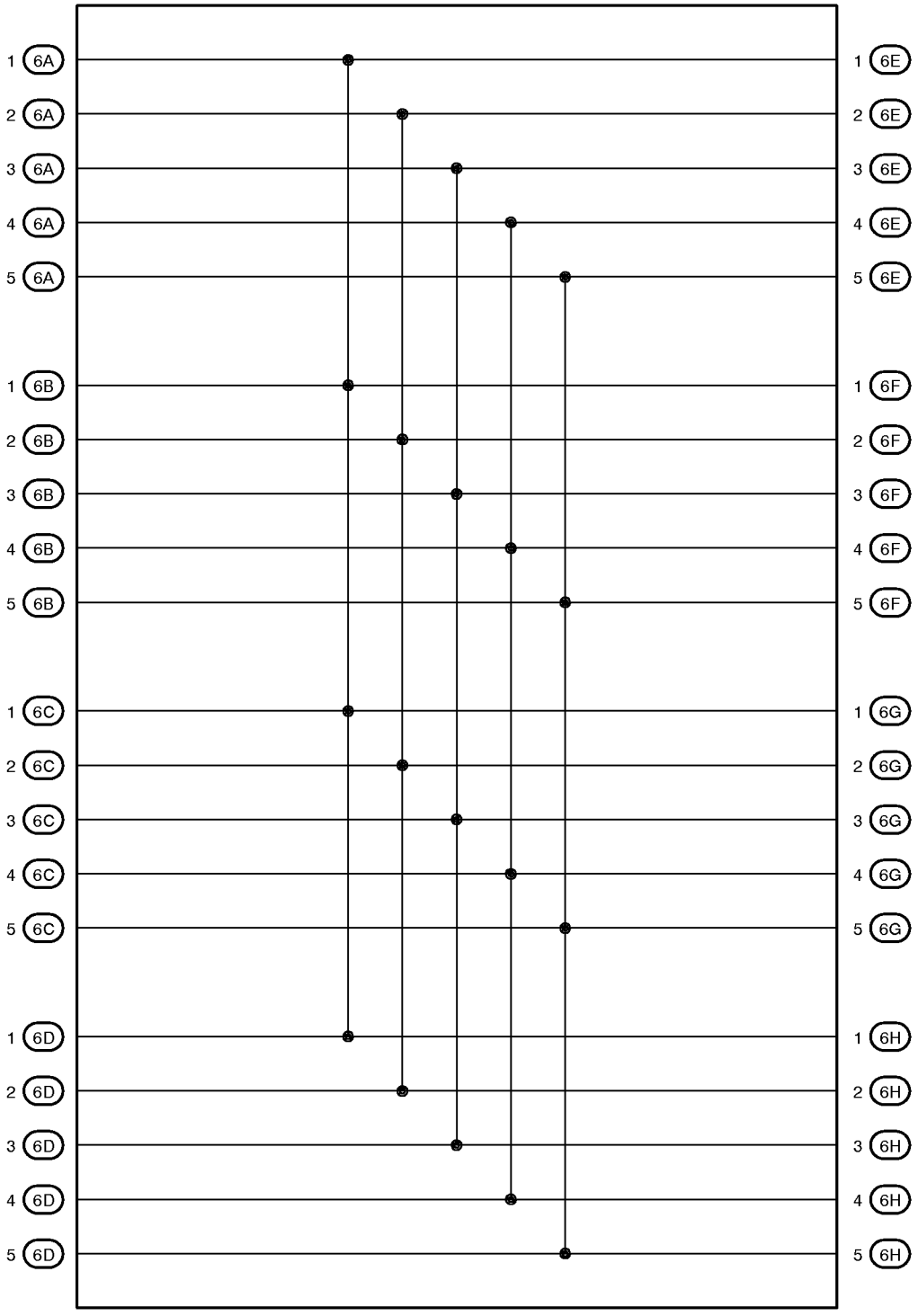
F RELAY LOCATIONS

: J/B No.6	Instrument Panel Brace LH (See Page 20)



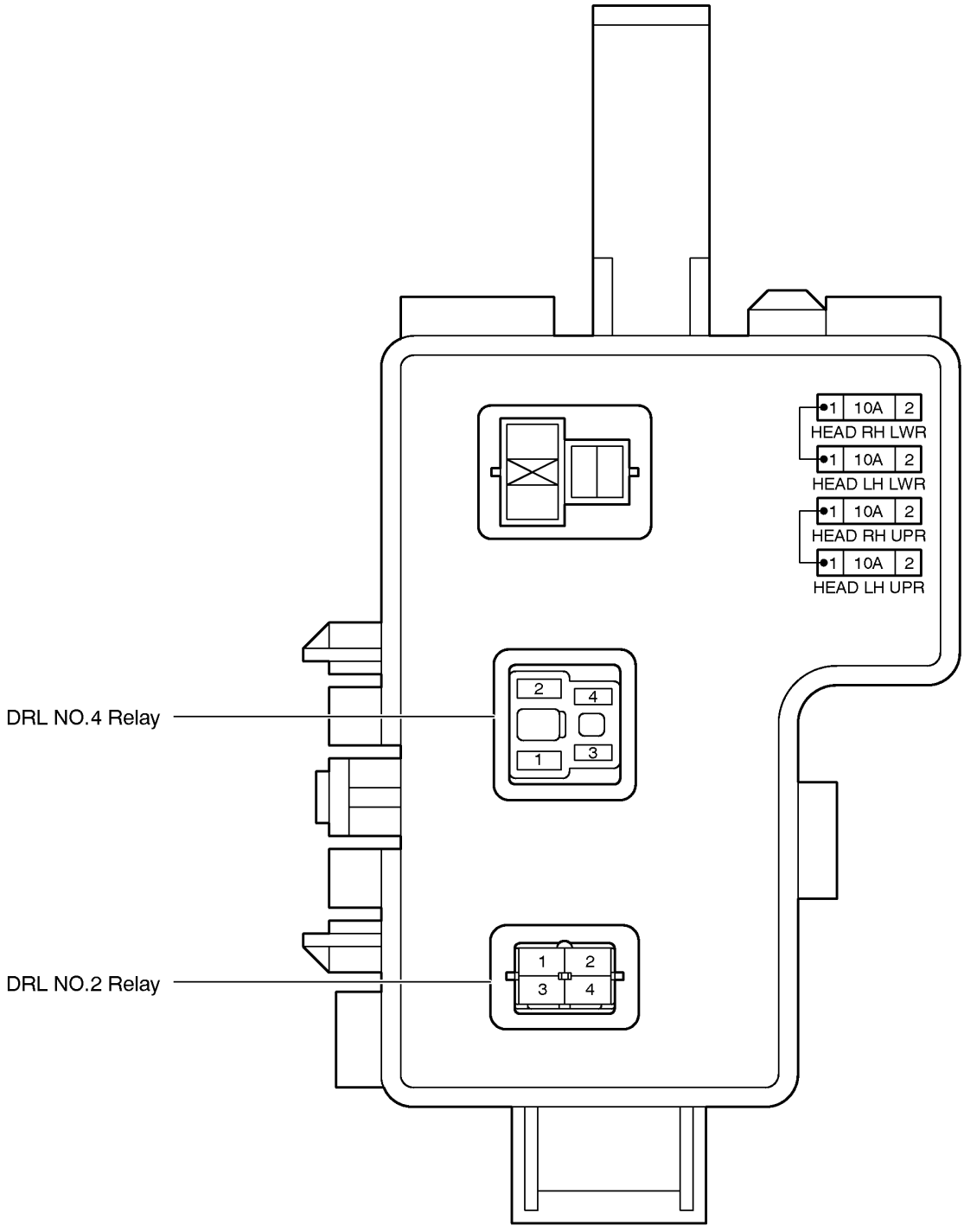


[J/B No.6 Inner Circuit]

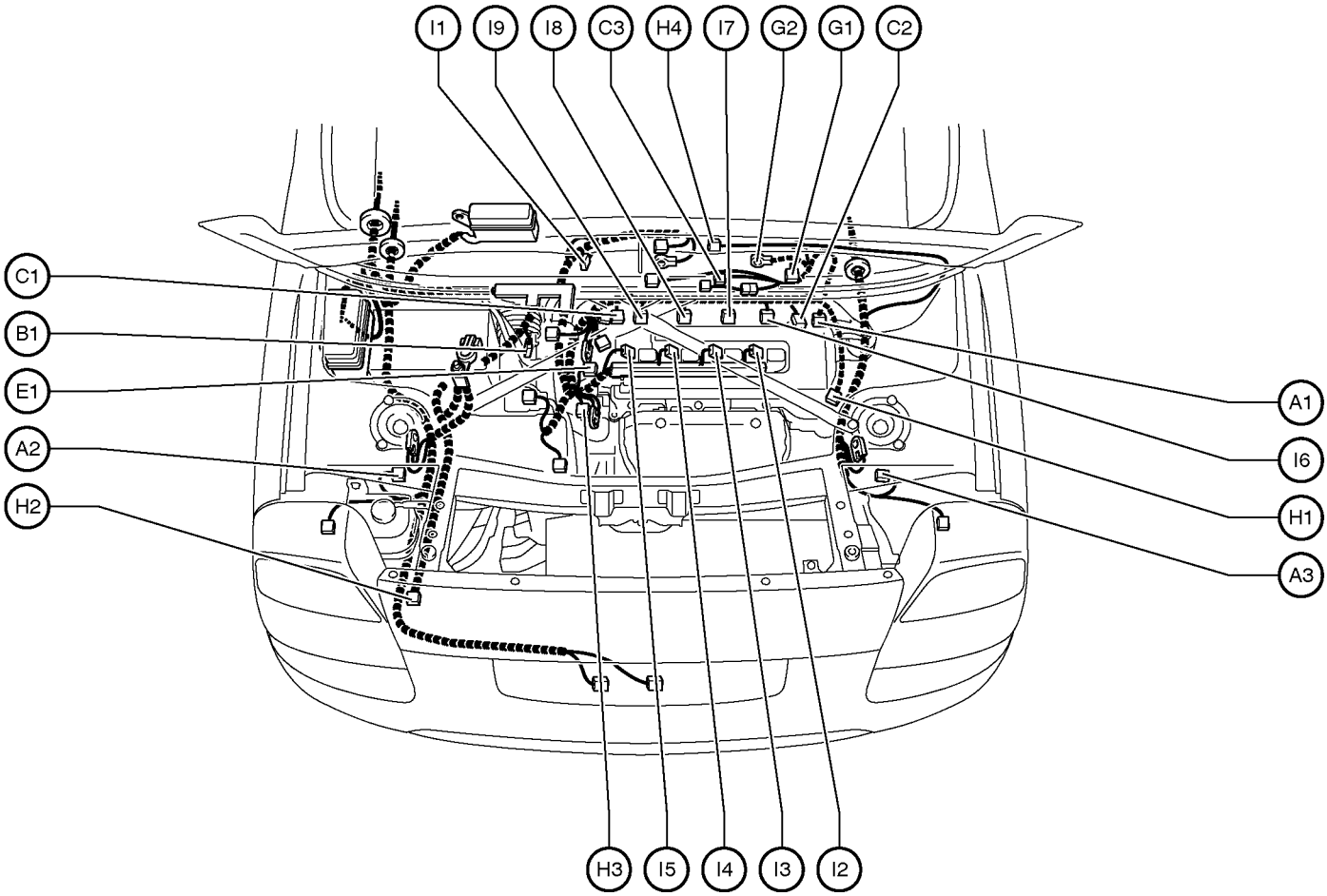


F RELAY LOCATIONS

⑤ : R/B No.5	Front Compartment Right (See Page 21)



Position of Parts in Engine Compartment



A 1 A/C Magnetic Clutch and Lock Sensor
A 2 ABS Speed Sensor Rear LH
A 3 ABS Speed Sensor Rear RH

B 1 Back–Up Light SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Crankshaft Position Sensor

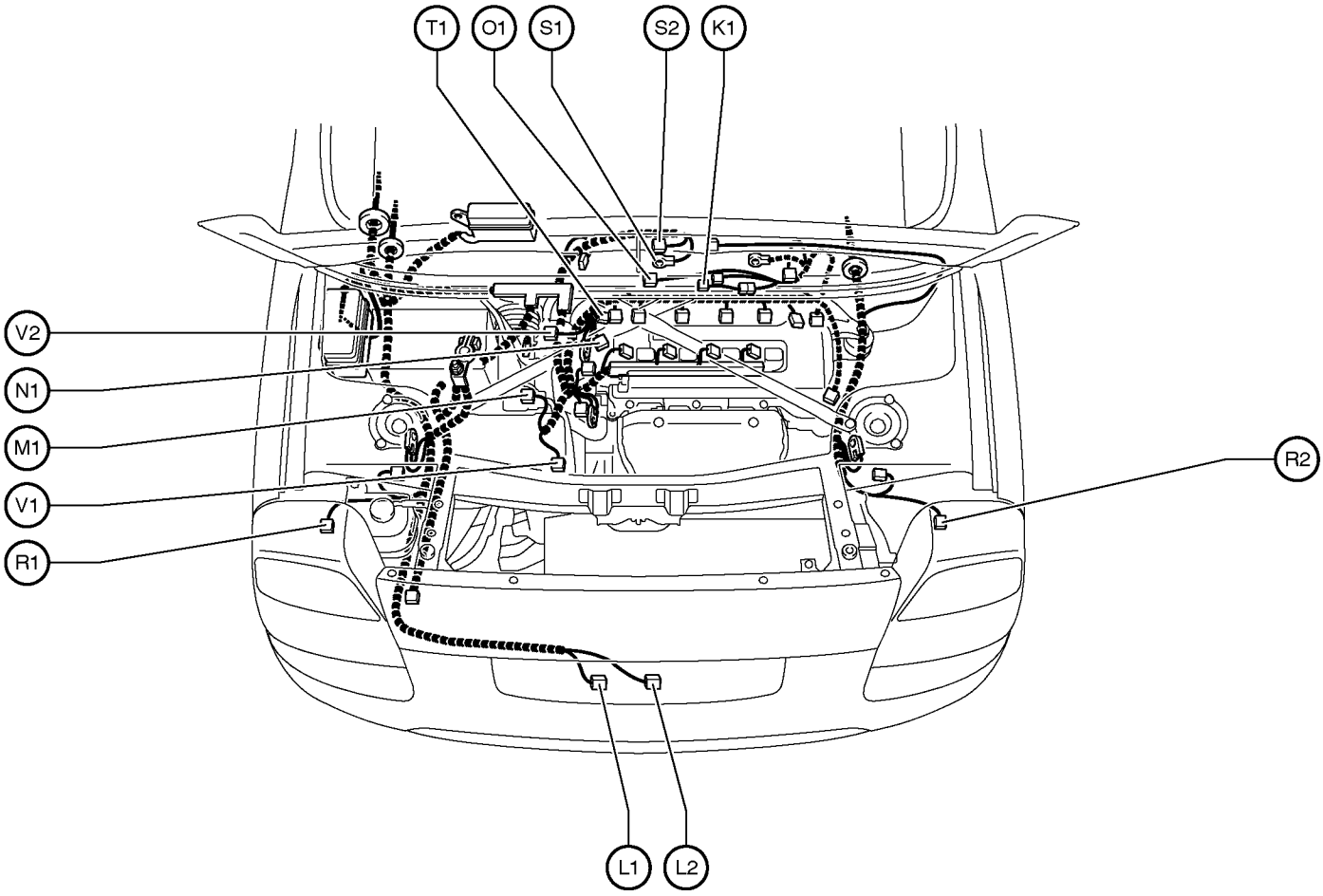
E 1 Engine Coolant Temp. Sensor

G 1 Generator
G 2 Generator

H 1 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 2 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 3 Heated Oxygen Sensor (Bank 2 Sensor 1)
H 4 High Mounted Stop Light

I 1 Idle Air Control Valve
I 2 Ignition Coil and Igniter No.1
I 3 Ignition Coil and Igniter No.2
I 4 Ignition Coil and Igniter No.3
I 5 Ignition Coil and Igniter No.4
I 6 Injector No.1
I 7 Injector No.2
I 8 Injector No.3
I 9 Injector No.4

Position of Parts in Engine Compartment



K 1 Knock Sensor

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

M 1 Mass Air Flow Meter

N 1 Noise Filter (Ignition)

O 1 Oil Pressure SW

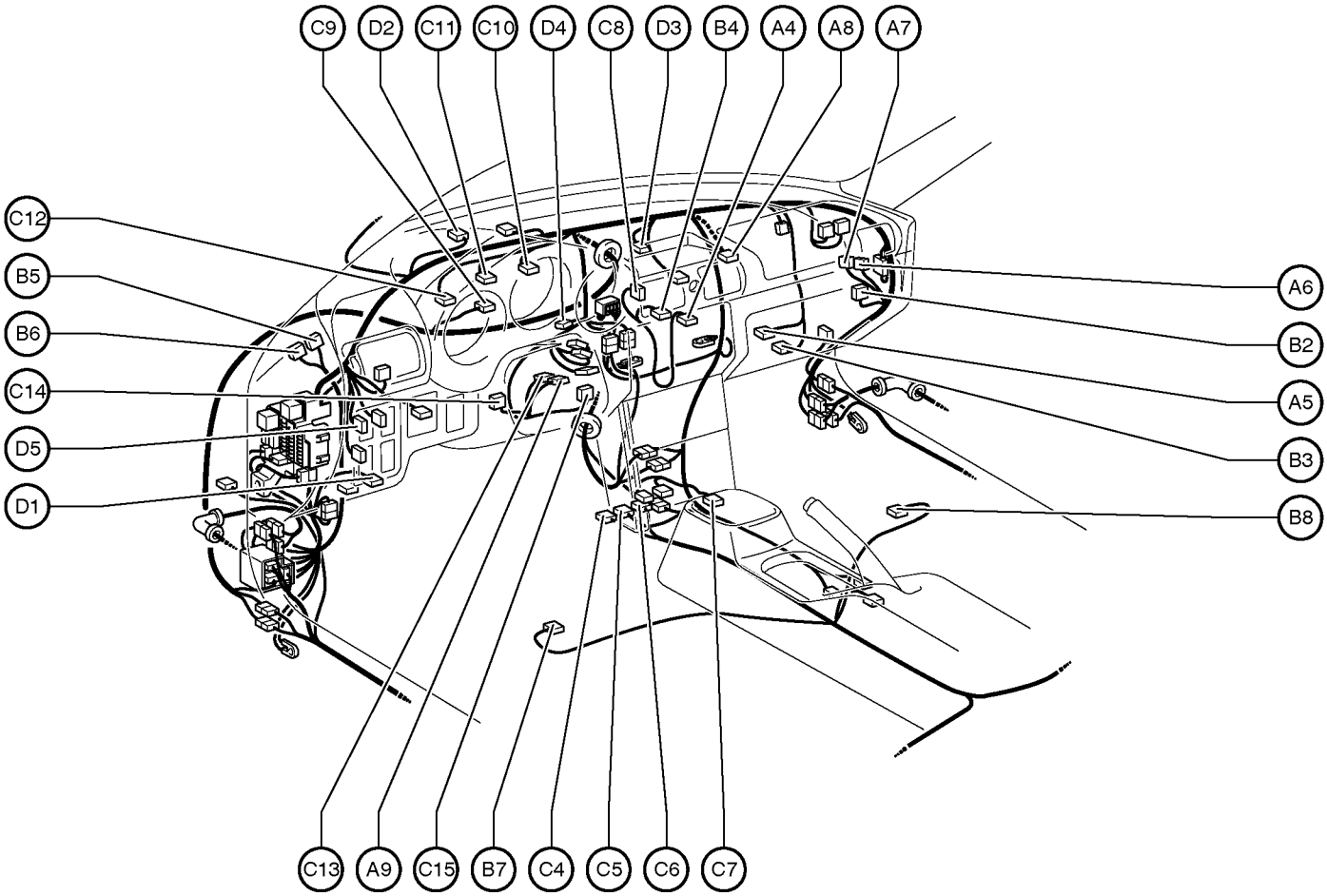
R 1 Rear Combination Light LH
R 2 Rear Combination Light RH

S 1 Starter
S 2 Starter

T 1 Throttle Position Sensor

V 1 VSV (Canister Closed Valve)
V 2 VSV (EVAP)

Position of Parts in Instrument Panel



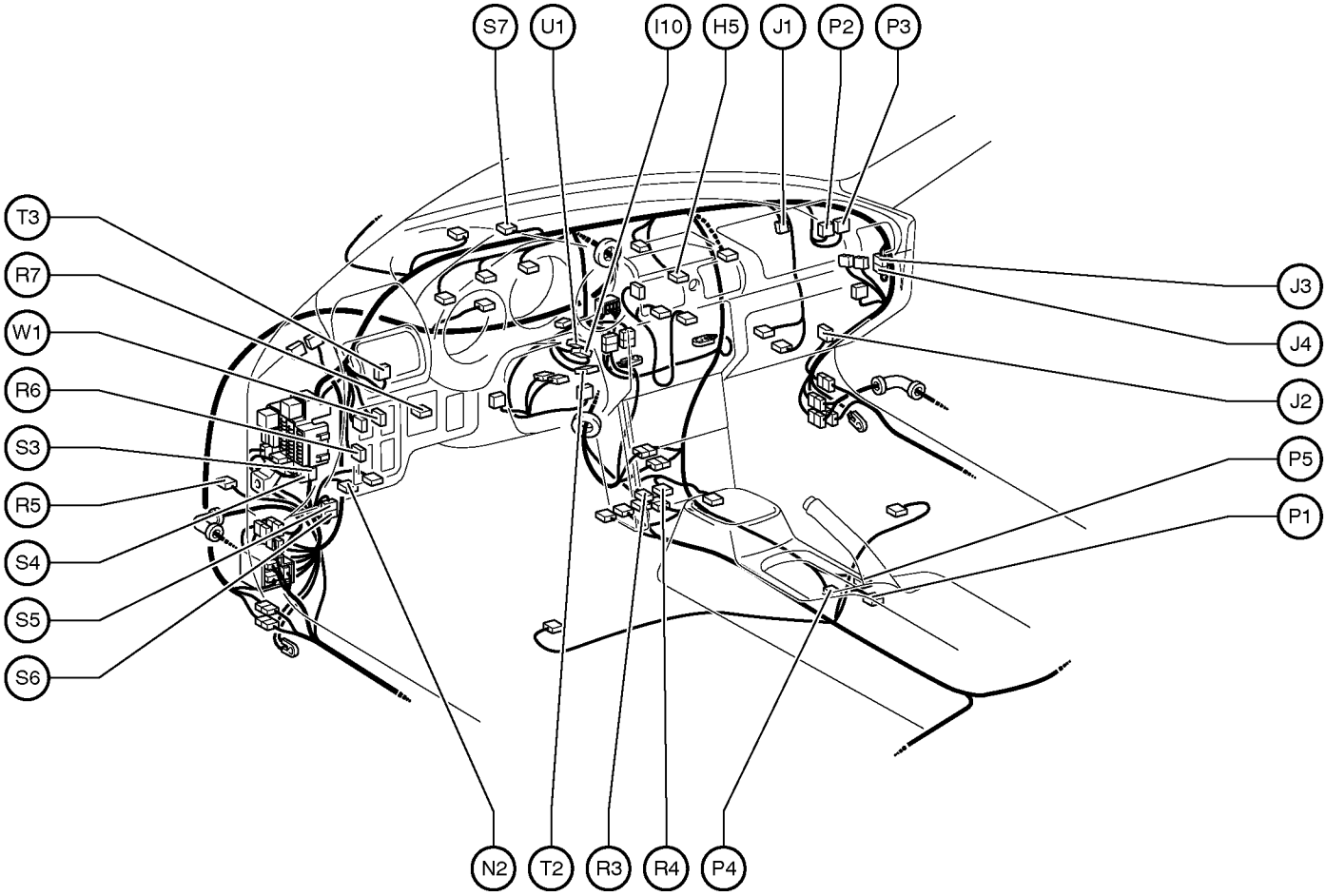
A 4 A/C SW
A 5 A/C Thermistor
A 6 ABS ECU
A 7 ABS ECU
A 8 Airbag Squib (Passenger's Airbag Assembly)
A 9 Airbag Squib (Steering Wheel Pad)

B 2 Blower Motor
B 3 Blower Resistor
B 4 Blower SW
B 5 Body ECU
B 6 Body ECU
B 7 Buckle SW and Tension Reducer LH
B 8 Buckle SW RH and Seat Belt Warning Occupant Detection Sensor

C 4 Center Airbag Sensor Assembly
C 5 Center Airbag Sensor Assembly
C 6 Center Airbag Sensor Assembly
C 7 Cigarette Light
C 8 Clock
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination Meter
C13 Combination SW
C14 Combination SW
C15 Combination SW

D 1 Data Link Connector 3
D 2 Daytime Running Light Relay
D 3 Diode (Door Courtesy)
D 4 Diode (DRL)
D 5 Door Lock Control SW

Position of Parts in Instrument Panel



H 5 Hazard SW

I 10 Ignition SW

J 1 Junction Connector
J 2 Junction Connector
J 3 Junction Connector
J 4 Junction Connector

N 2 Noise Filter (Rear Window Defogger)

P 1 Parking Brake SW
P 2 Passenger Airbag Manual ON/OFF SW
P 3 Passenger Airbag Manual ON/OFF SW
P 4 Power Window Control SW LH
P 5 Power Window Control SW RH

R 3 Radio and Player
R 4 Radio and Player
R 5 Rear Window Defogger Relay
R 6 Rheostat
R 7 Remote Control Mirror SW

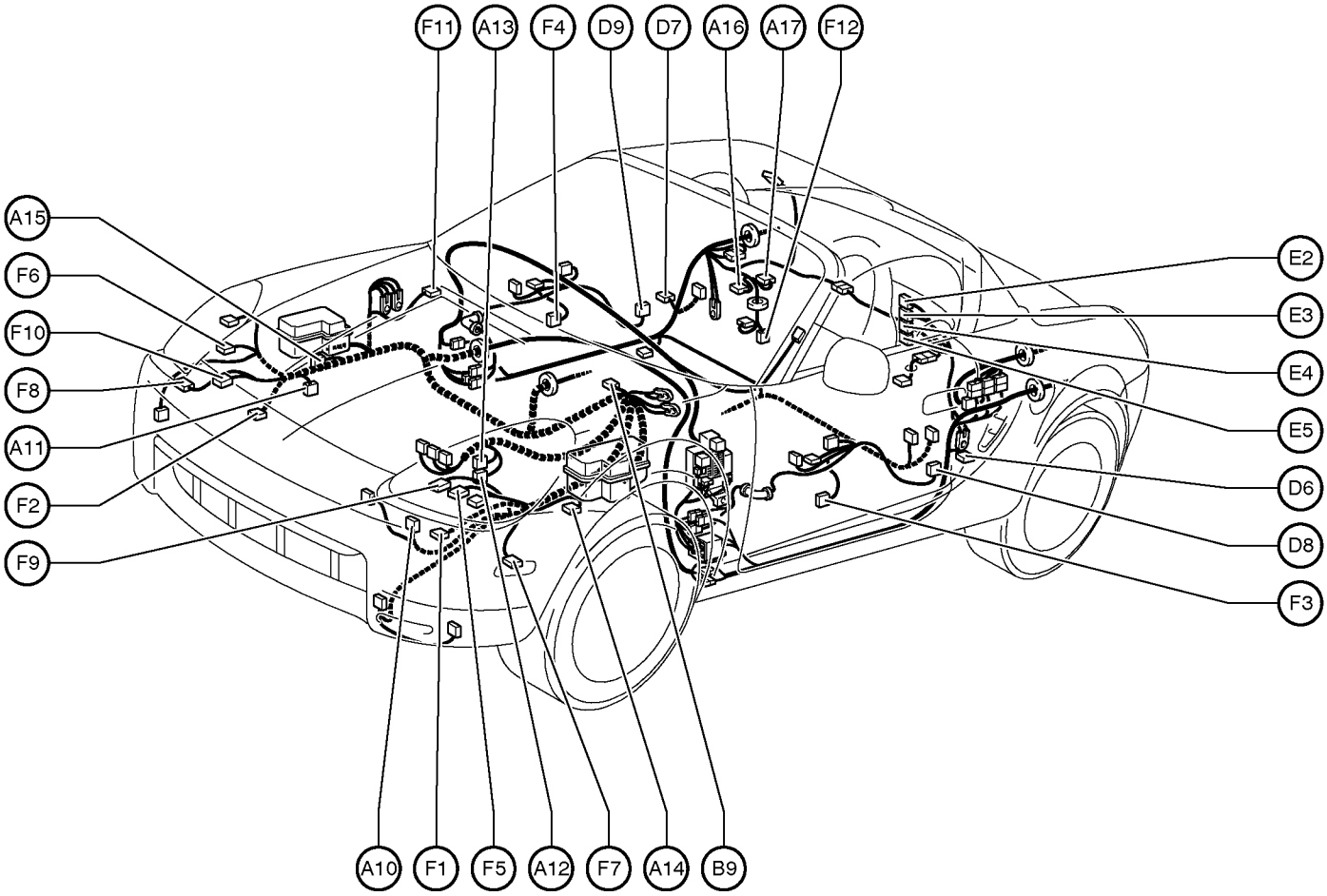
S 3 Short Connector (SRS No.1)
S 4 Short Connector (SRS No.1)
S 5 Short Connector (SRS No.2)
S 6 Short Connector (SRS No.2)
S 7 Stop Light SW

T 2 Transponder Key Amplifier
T 3 Turn Signal Flasher Relay

U 1 Unlock Warning SW

W 1 Window Lock SW

Position of Parts in Body



A 10 A/C Condenser Fan Motor
A 11 A/C Triple Pressure SW
(A/C Dual and Single Pressure SW)
A 12 ABS Actuator
A 13 ABS Actuator
A 14 ABS Speed Sensor Front LH
A 15 ABS Speed Sensor Front RH
A 16 Auto Antenna Motor
A 17 Auto Antenna Relay

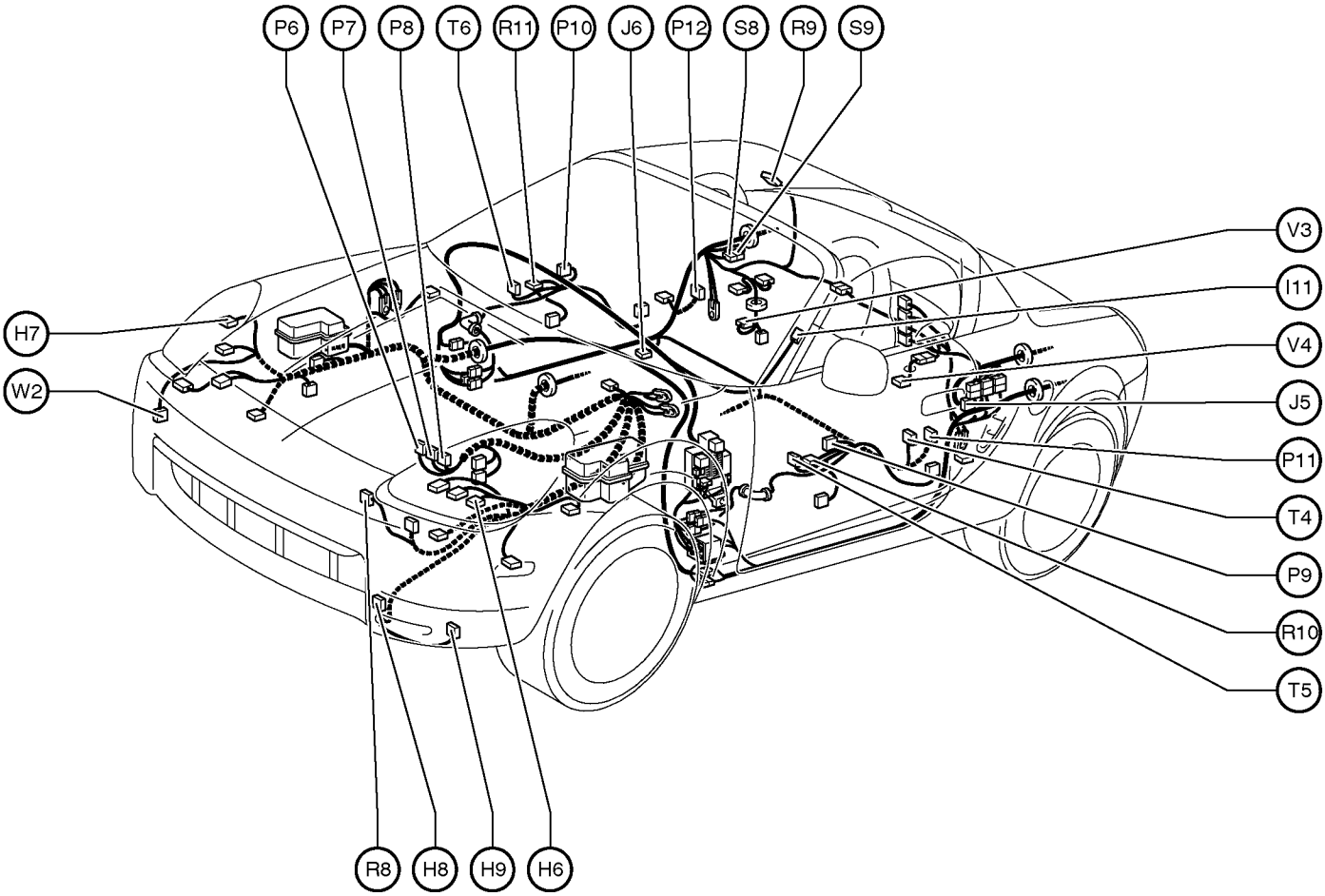
B 9 Brake Fluid Level Warning SW

D 6 Door Courtesy SW LH
D 7 Door Courtesy SW RH
D 8 Door Lock Motor, Door Key Lock and Unlock SW and Door Unlock Detection SW LH
D 9 Door Lock Motor, Door Key Lock and Unlock SW and Door Unlock Detection SW RH

E 2 Engine Control Module
E 3 Engine Control Module
E 4 Engine Control Module
E 5 Engine Control Module

F 1 Front Airbag Sensor LH
F 2 Front Airbag Sensor RH
F 3 Front Door Speaker LH
F 4 Front Door Speaker RH
F 5 Front Parking Light LH
F 6 Front Parking Light RH
F 7 Front Side Marker Light LH
F 8 Front Side Marker Light RH
F 9 Front Turn Signal Light LH
F 10 Front Turn Signal Light RH
F 11 Front Wiper Motor
F 12 Fuel Pump and Fuel Sender

Position of Parts in Body



H 6 Headlight LH
H 7 Headlight RH
H 8 Horn LH
H 9 Horn RH

I 11 Interior Light

J 5 Junction Connector
J 6 Junction Connector

P 6 Power Steering ECU
P 7 Power Steering ECU
P 8 Power Steering ECU
P 9 Power Window Motor LH
P10 Power Window Motor RH
P11 Pretensioner LH
P12 Pretensioner RH

R 8 Radiator Fan Motor
R 9 Rear Window Defogger
R10 Remote Control Mirror LH
R11 Remote Control MIrror RH

S 8 Short Connector (Rear Window Defogger)
S 9 Short Connector (Rear Window Defogger)

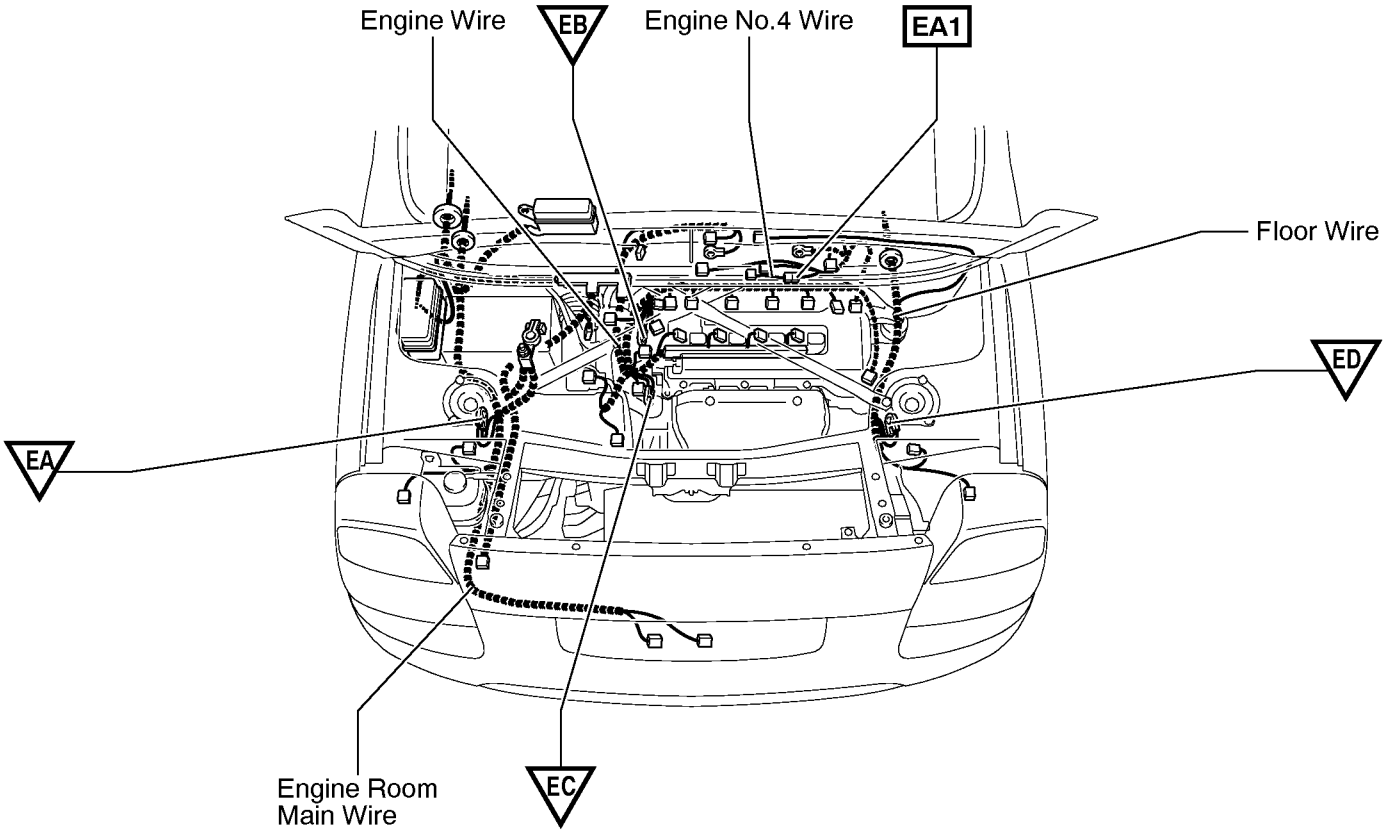
T 4 Tension Reducer Solenoid LH
T 5 Tweeter LH
T 6 Tweeter RH

V 3 Vapor Pressure Sensor
V 4 VSV(Pressure Switching Valve)

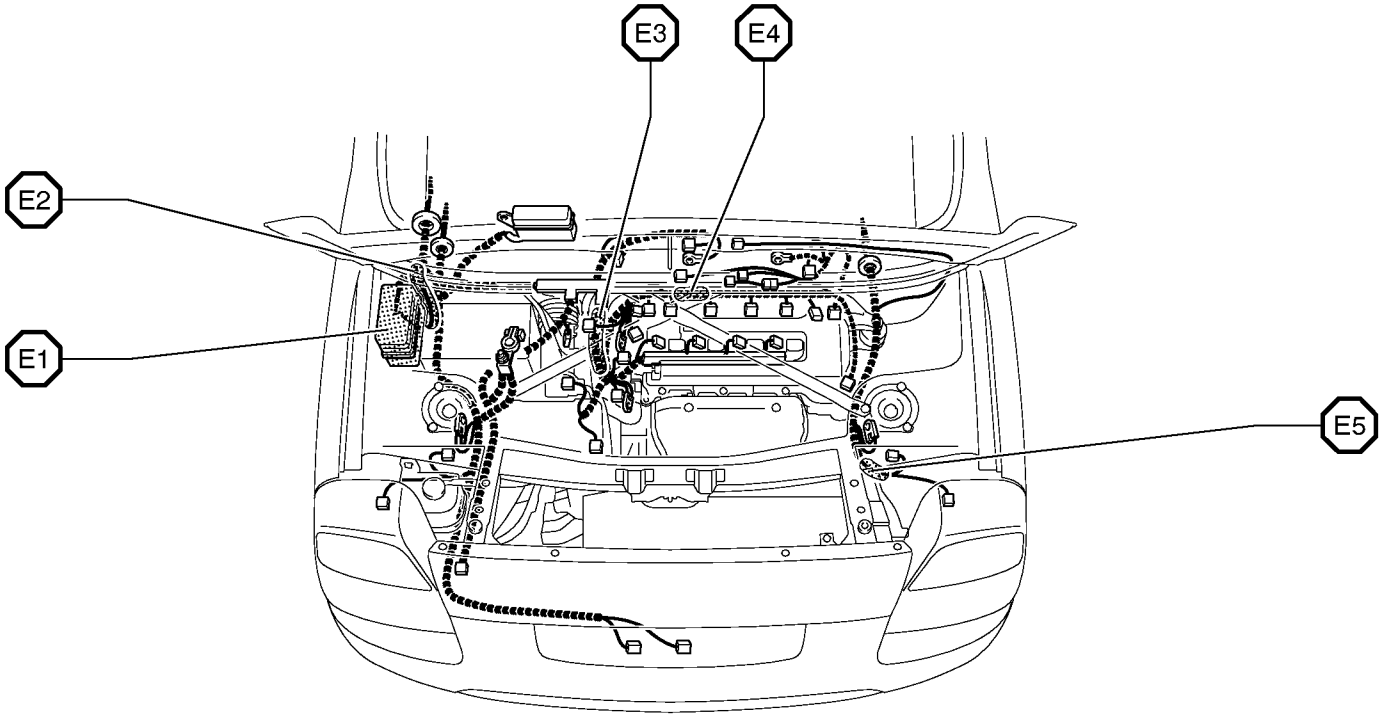
W 2 Washer Motor

▭ : Location of Connector Joining Wire Harness and Wire Harness

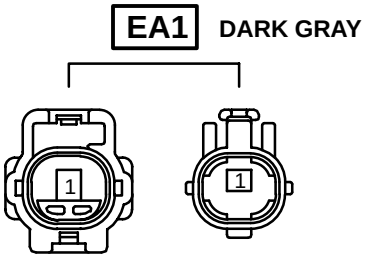
▽ : Location of Ground Points



⬡ : Location of Splice Points

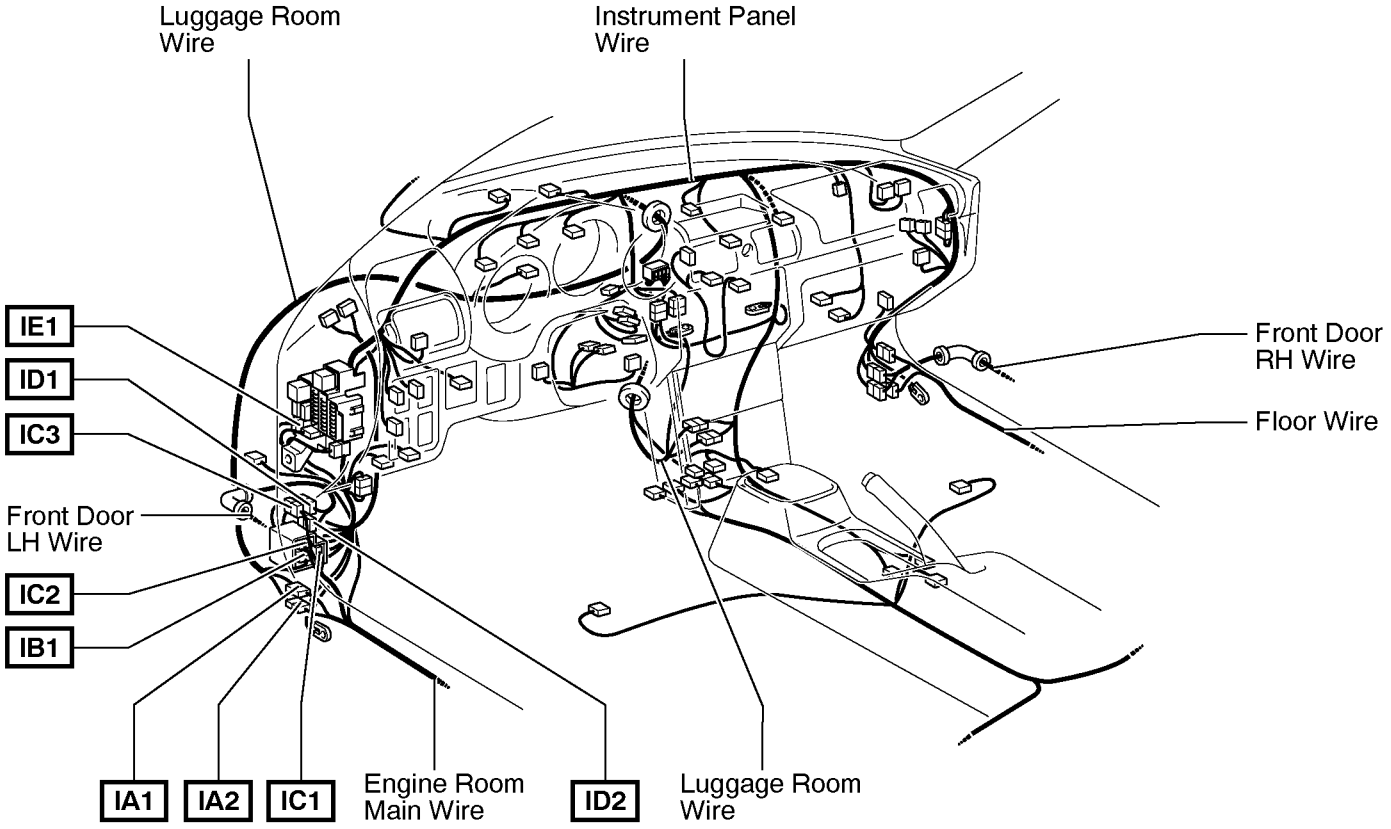


Connector Joining Wire Harness and Wire Harness

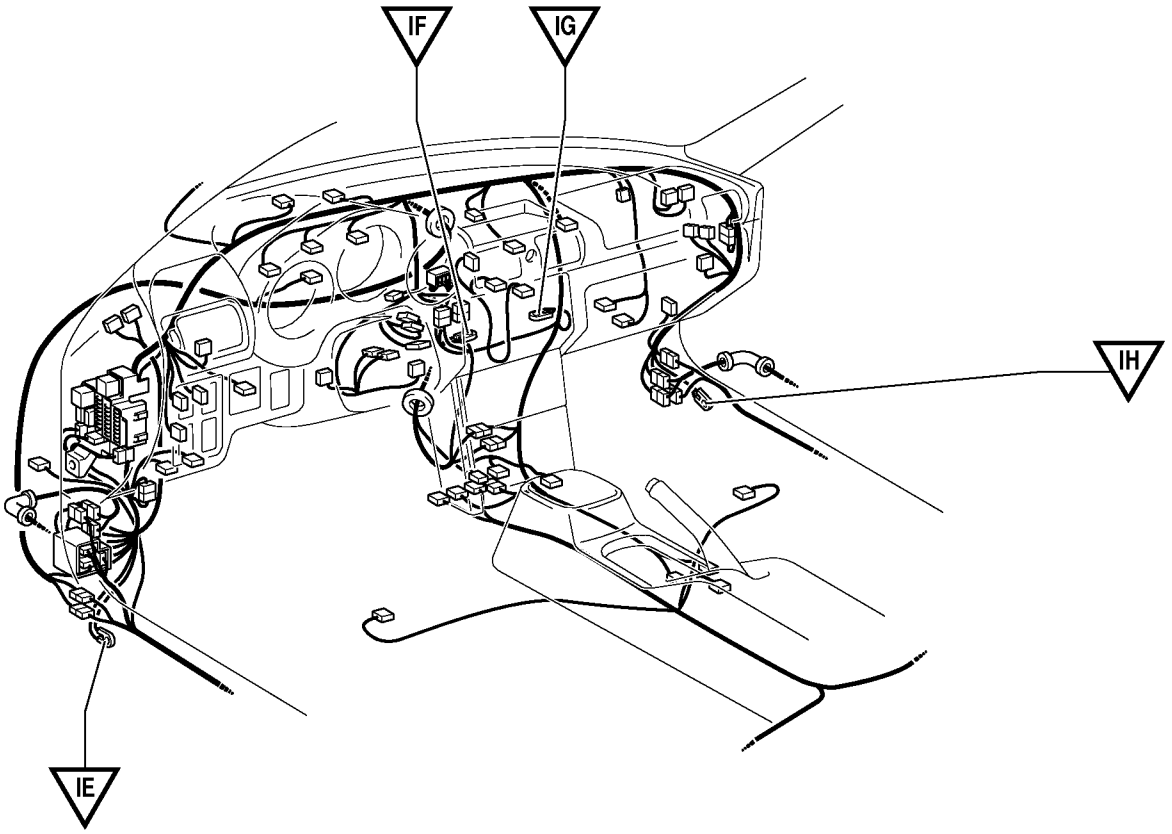


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine No.4 Wire and Engine Wire (Near the Generator)

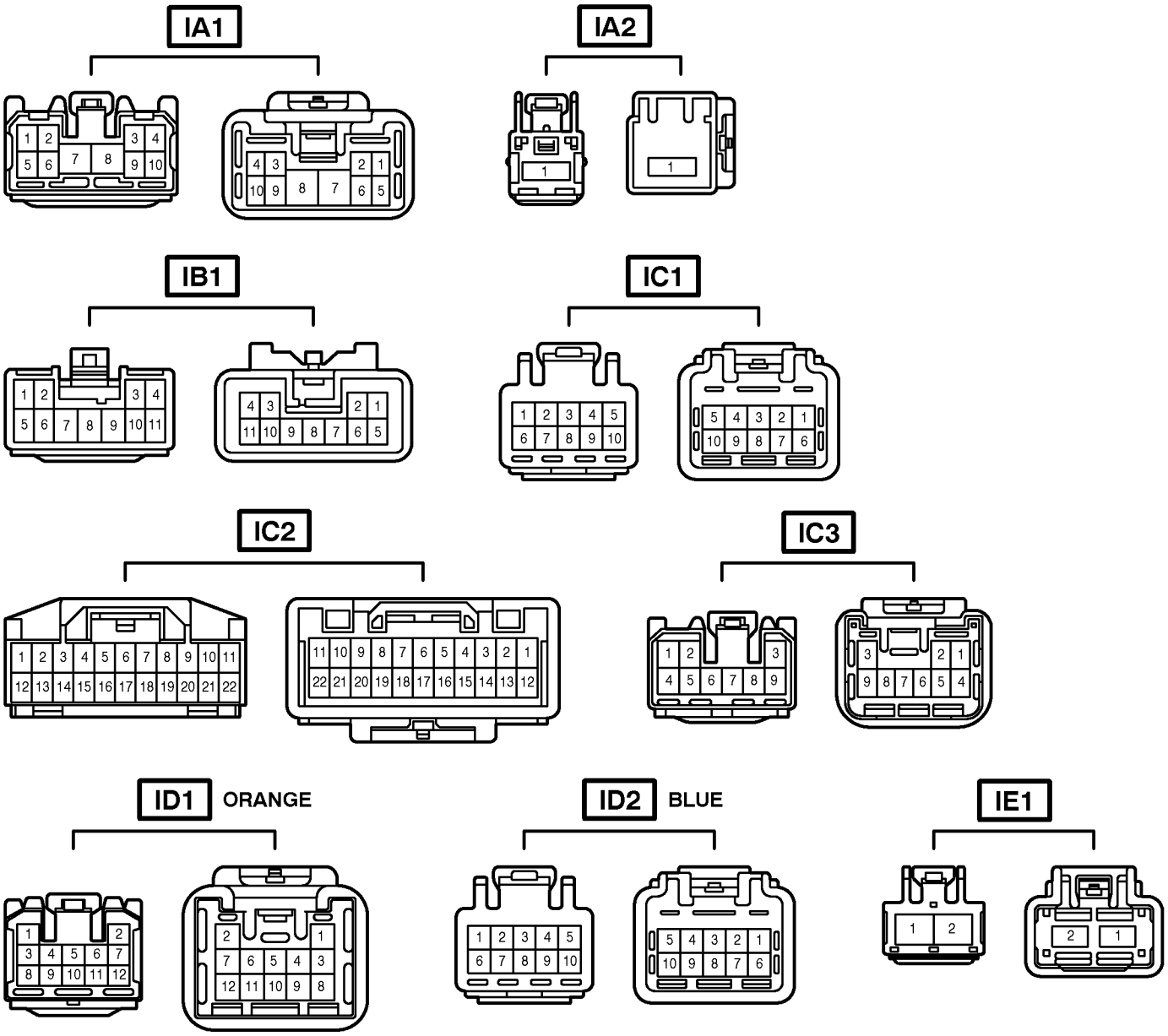
▭ : Location of Connector Joining Wire Harness and Wire Harness



▽ : Location of Ground Points

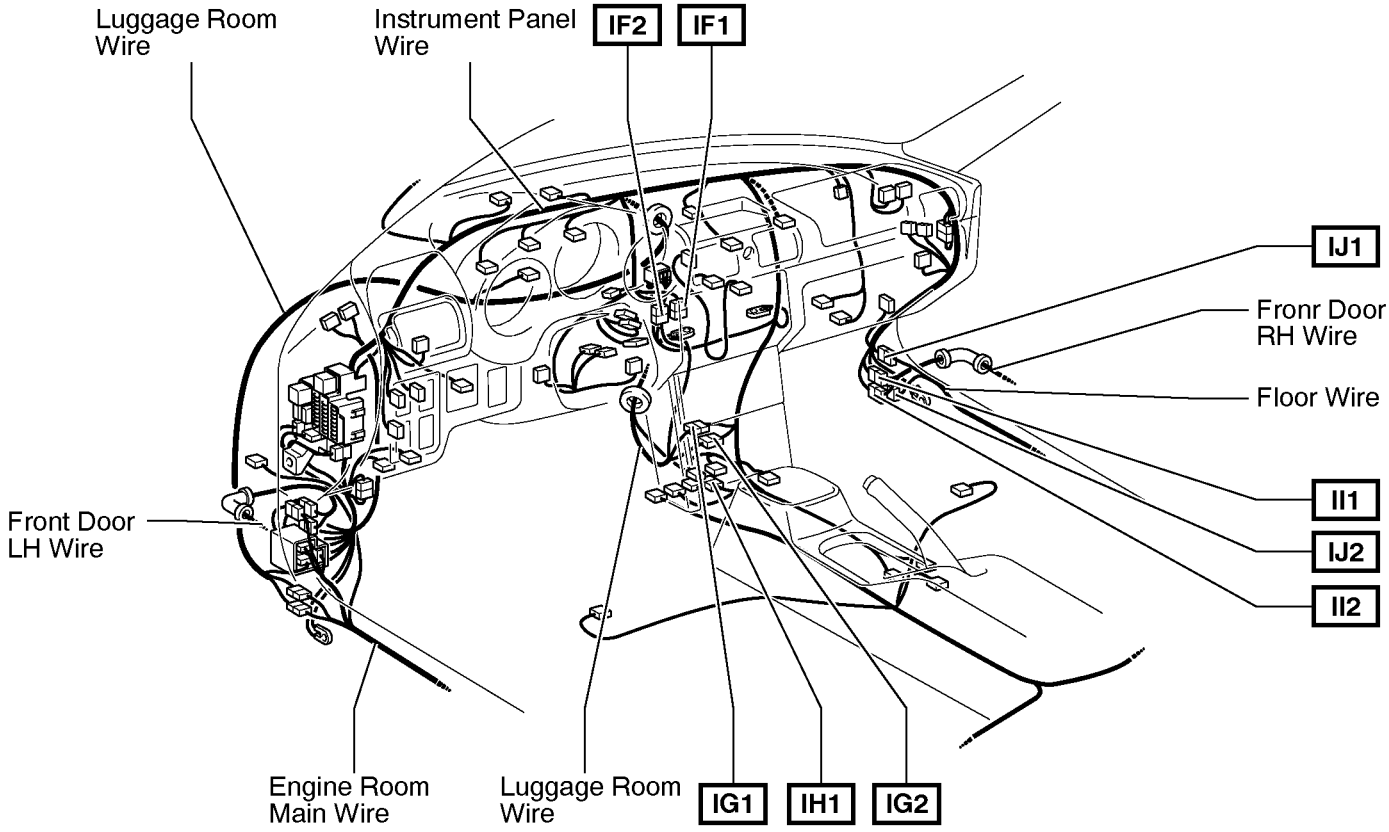


Connector Joining Wire Harness and Wire Harness

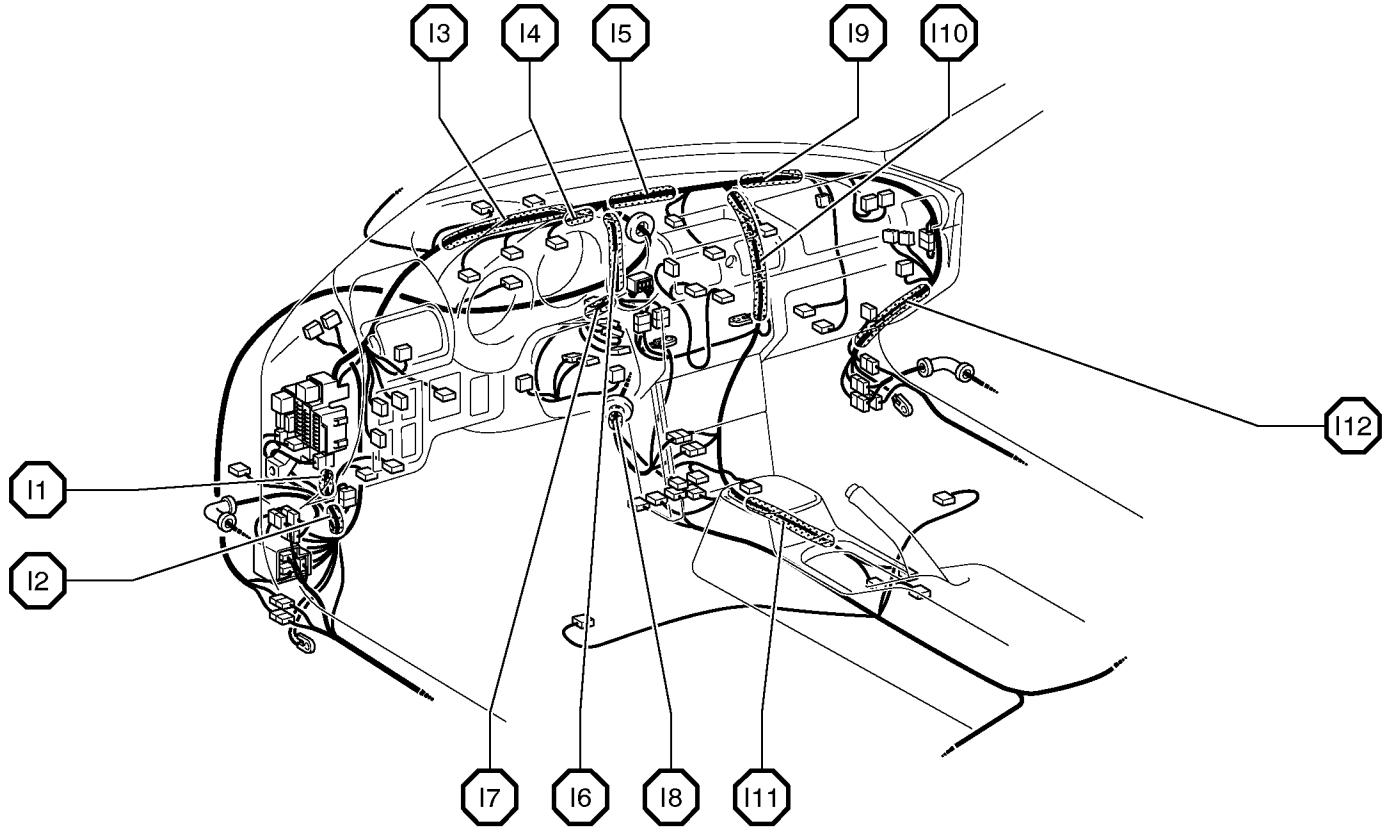


Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IA2	
IB1	Luggage Room Wire and Instrument Panel Wire (Left Kick Panel)
IC1	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC2	
IC3	
ID1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
ID2	
IE1	Engine Room Main Wire and Instrument Panel Wire (Left Side of Instrument Panel)

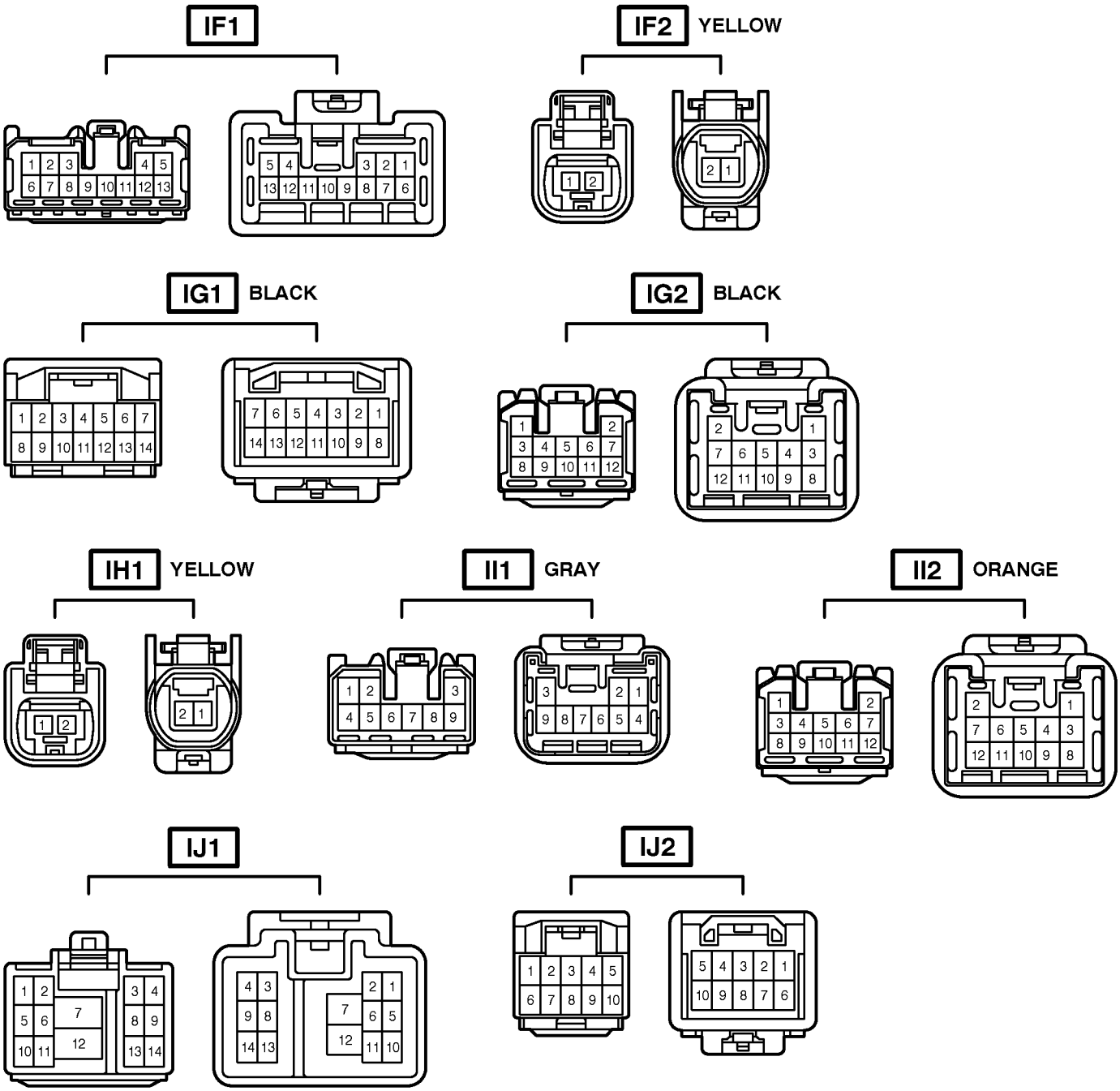
▭ : Location of Connector Joining Wire Harness and Wire Harness



⬡ : Location of Splice Points



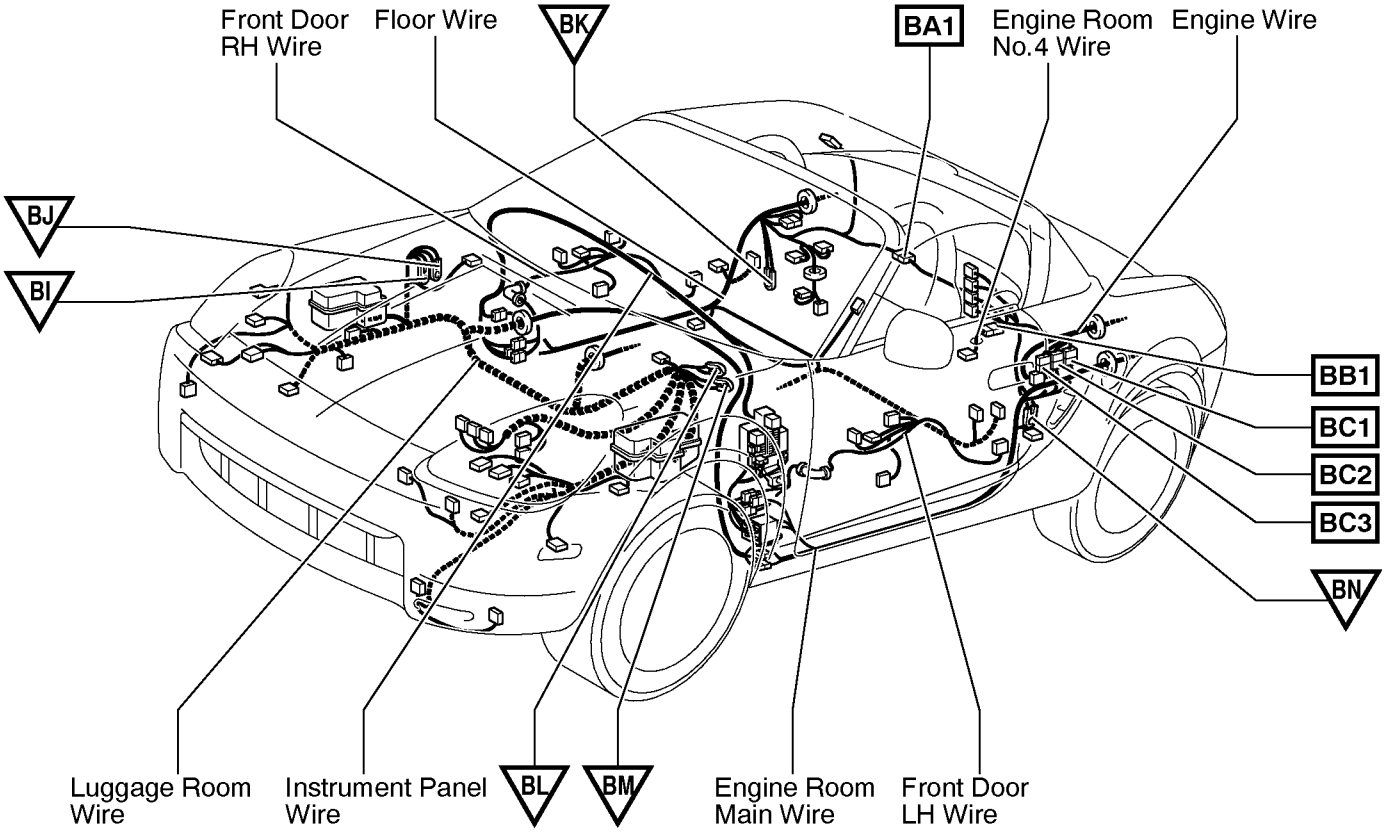
Connector Joining Wire Harness and Wire Harness



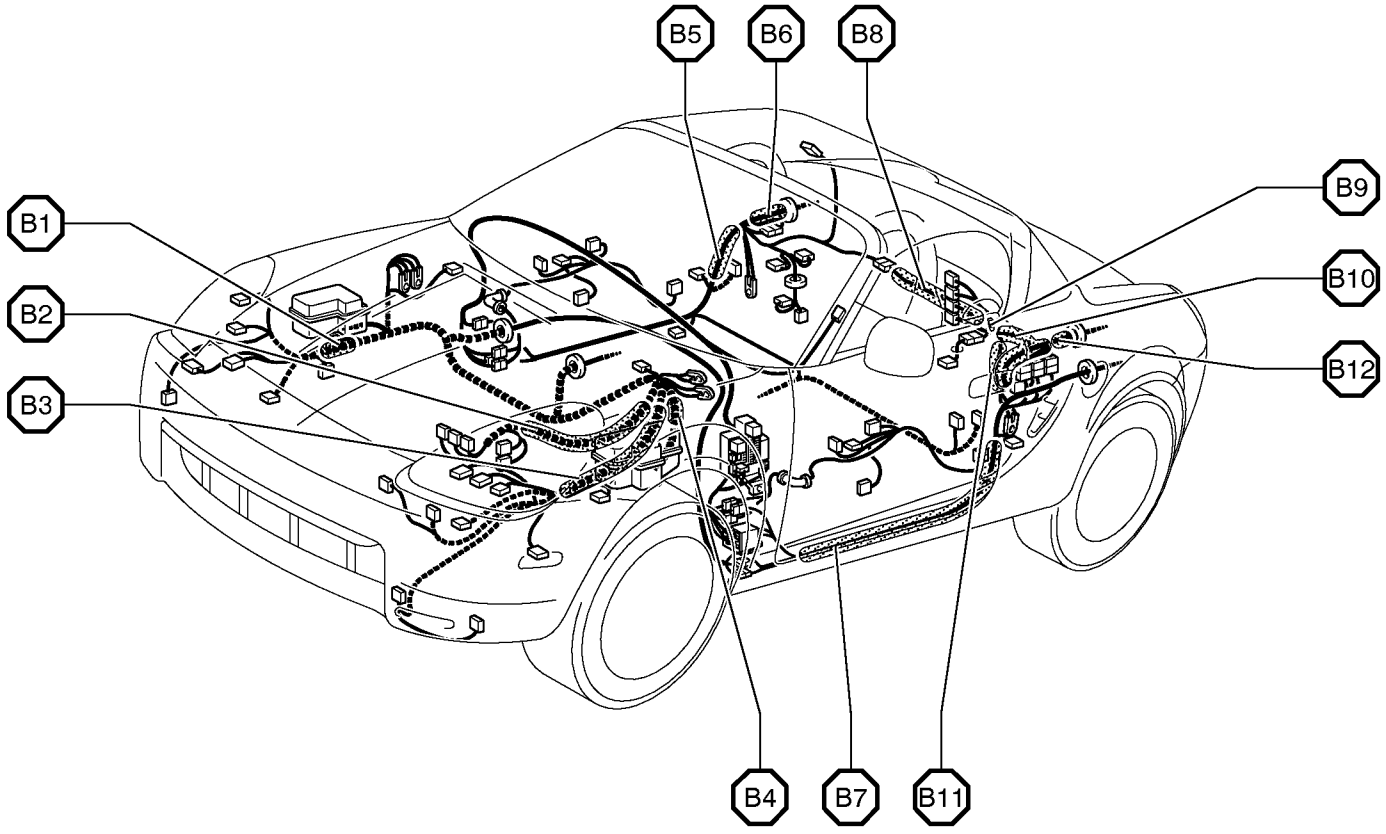
Code	Joining Wire Harness and Wire Harness (Connector Location)
IF1	Luggage Room Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IF2	
IG1	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
IG2	
IH1	Instrument Panel Wire and Luggage Room Wire (Under the Instrument Panel Center)
II1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
II2	
IJ1	Floor Wire and Instrument Panel Wire (Right Kick Panel)
IJ2	

▭ : Location of Connector Joining Wire Harness and Wire Harness

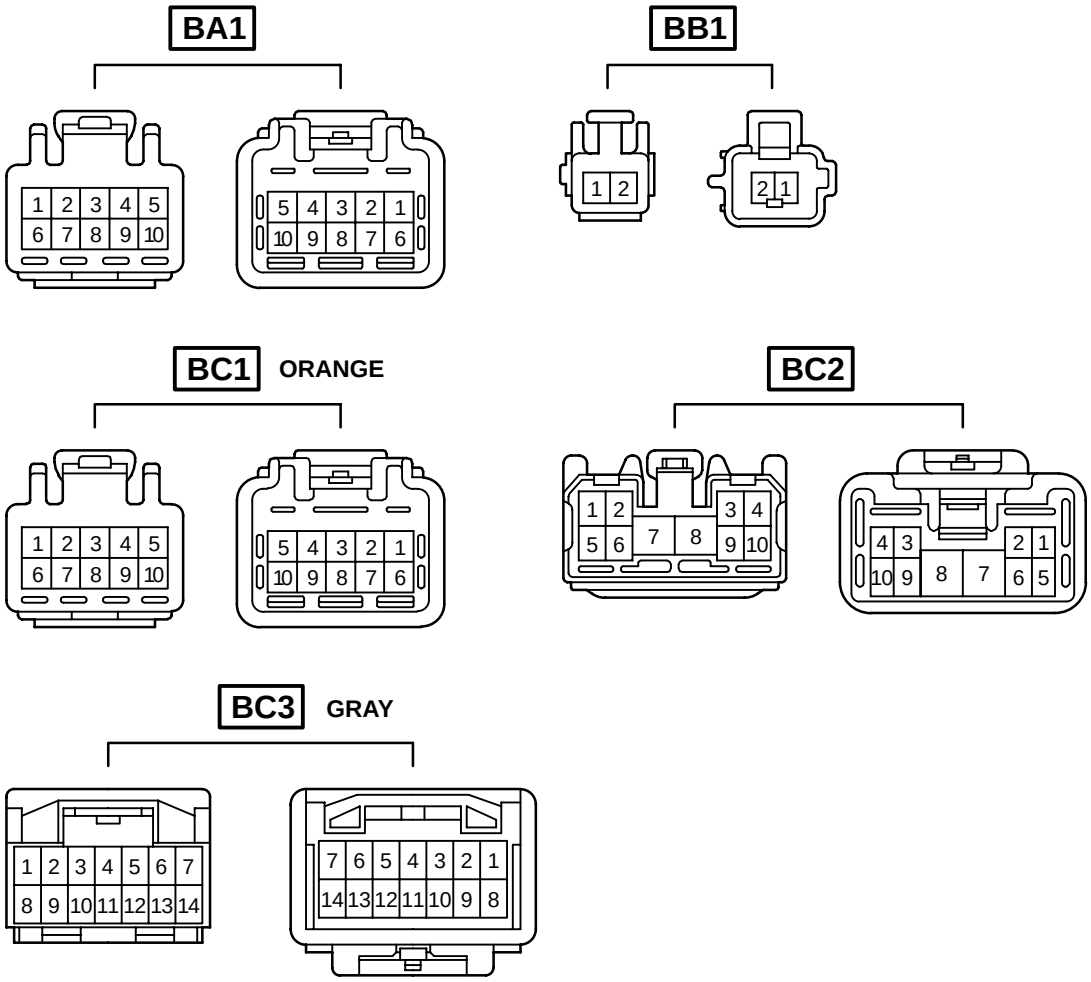
▽ : Location of Ground Points



○ : Location of Splice Points



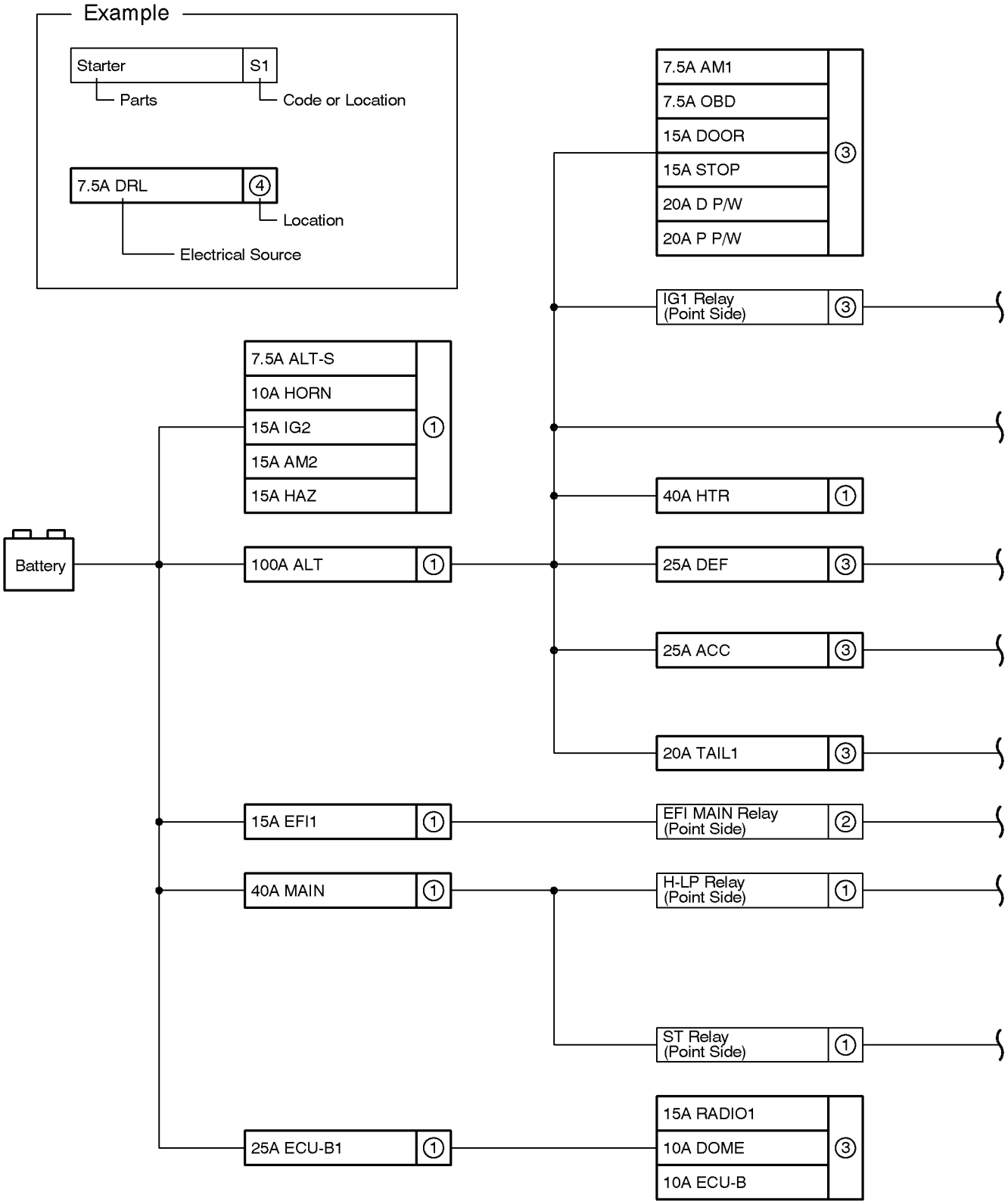
Connector Joining Wire Harness and Wire Harness

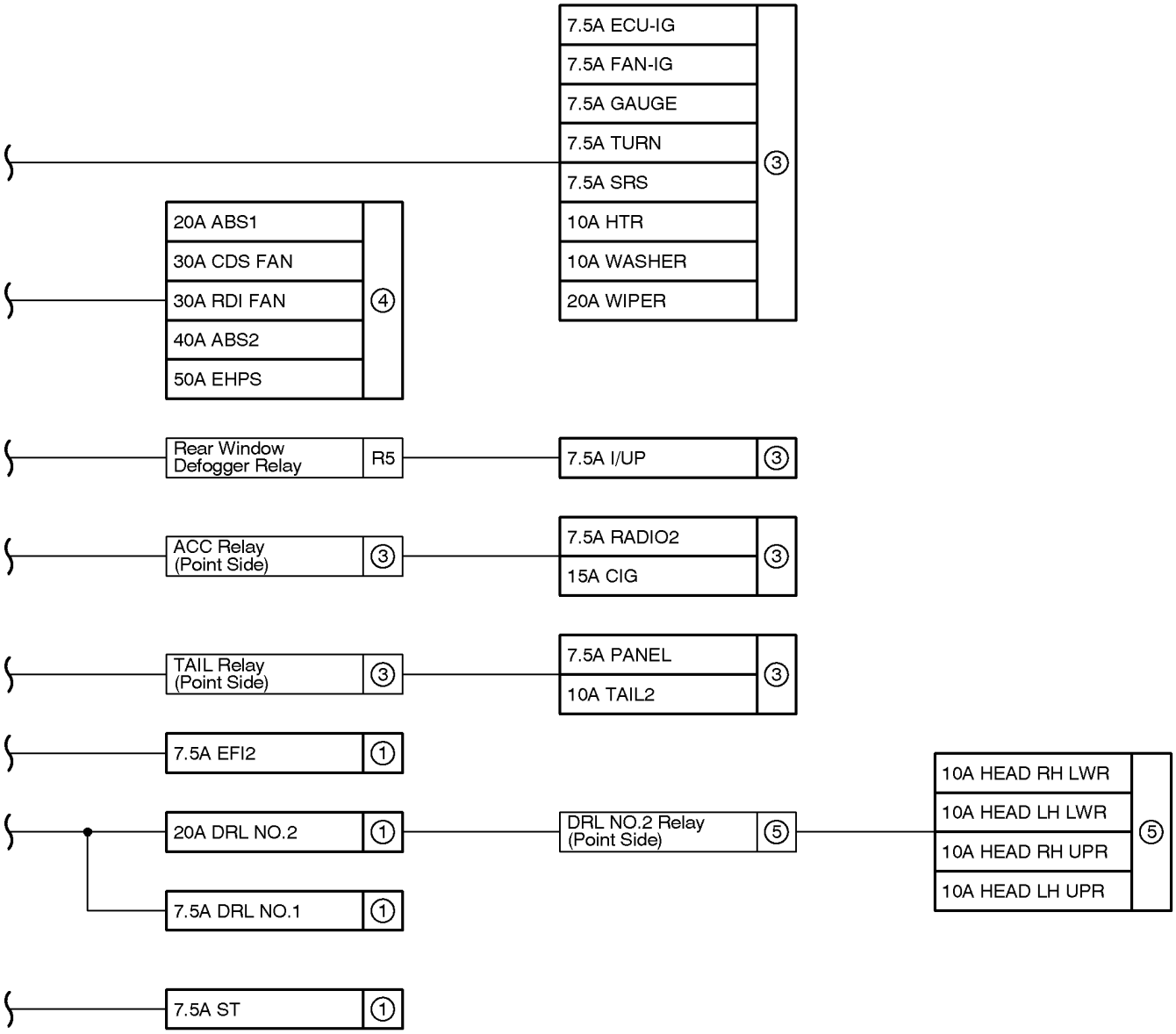


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Engine Room Main Wire and Floor Wire (Right Side of Room Partition Panel)
BB1	Engine Room No.4 Wire and Engine Room Main Wire (Left Side of Room Partition Panel)
BC1	Engine Wire and Engine Room Main Wire (Quarter Panel LH)
BC2	
BC3	

J 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.





[LOCATION] ① : Fusible Link Block (See page 22)
② : Engine Room R/B (See page 23)
③ : R/B No.3 (See page 24)
④ : R/B No.4 (See page 25)
⑤ : R/B No.5 (See page 28)

Fusible Link Block (See Page 22)

Fuse		System	Page
7.5A	ALT–S	Charging	54
7.5A	DRL NO.1	Headlight	68
7.5A	EFI2	Engine Control	56
7.5A	ST	Engine Control Starting and Ignition	56 50
10A	HORN	Horn	88
15A	AM2	Combination Meter Engine Control SRS Starting and Ignition	124 56 111 50
15A	EFI1	Engine Control Engine Immobiliser System	56 66
15A	HAZ	Turn Signal and Hazard Warning Light	78
15A	IG2	Engine Control Starting and Ignition	56 50
20A	DRL NO.2	Headlight	68
40A	HTR	Air Conditioning	130
40A	MAIN	Engine Control Headlight Starting and Ignition	56 68 50
100A	ALT	Charging	54

R/B No.3 (See Page 24)

Fuse		System	Page
7.5A	ECU–IG	ABS EHPS	118 116
7.5A	FAN–IG	Radiator Fan and Condenser Fan	128
7.5A	GAUGE	ABS Auto Antenna Back–Up Light Charging Combination Meter Door Lock Control EHPS Engine Control Headlight Light Reminder and Key Reminder Buzzer Power Window Rear Window Defogger Seat Belt Warning and Electric Tension Reducer SRS	118 108 82 54 124 100 116 56 68 94 98 122 96 111
7.5A	I/UP	Combination Meter	124

∗ These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
7.5A	OBD	Engine Control	56
7.5A	PANEL	Cigarette Lighter and Clock	86
		Illumination	76
7.5A	RADIO2	Auto Antenna	108
		Cigarette Lighter and Clock	86
		Combination Meter	124
		Radio and Player	106
		Remote Control Mirror	104
7.5A	SRS	SRS	111
7.5A	TURN	Turn Signal and Hazard Warning Light	78
10A	DOME	Cigarette Lighter and Clock	86
		Combination Meter	124
		Interior Light	84
10A	ECU–B	Combination Meter	124
		Headlight	68
		Interior Light	84
		Light Reminder and Key Reminder Buzzer	94
		Seat Belt Warning and Electric Tension Reducer	96
10A	HTR	Air Conditioning	130
10A	TAIL2	Taillight	72
10A	WASHER	Wiper and Washer	90
15A	CIG	Cigarette Lighter and Clock	86
15A	DOOR	Door Lock Control	100
		Light Reminder and Key Reminder Buzzer	94
15A	RADIO1	Auto Antenna	108
		Radio and Player	106
15A	STOP	ABS	118
		Engine Control	56
		Stop Light	80
20A	D P/W	Power Window	98
20A	P P/W	Power Window	98
20A	TAIL1	Illumination	76
		Light Reminder and Key Reminder Buzzer	94
		Taillight	72
20A	WIPER	Wiper and Washer	90
25A	DEF	Rear Window Defogger	122

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

J POWER SOURCE (Current Flow Chart)

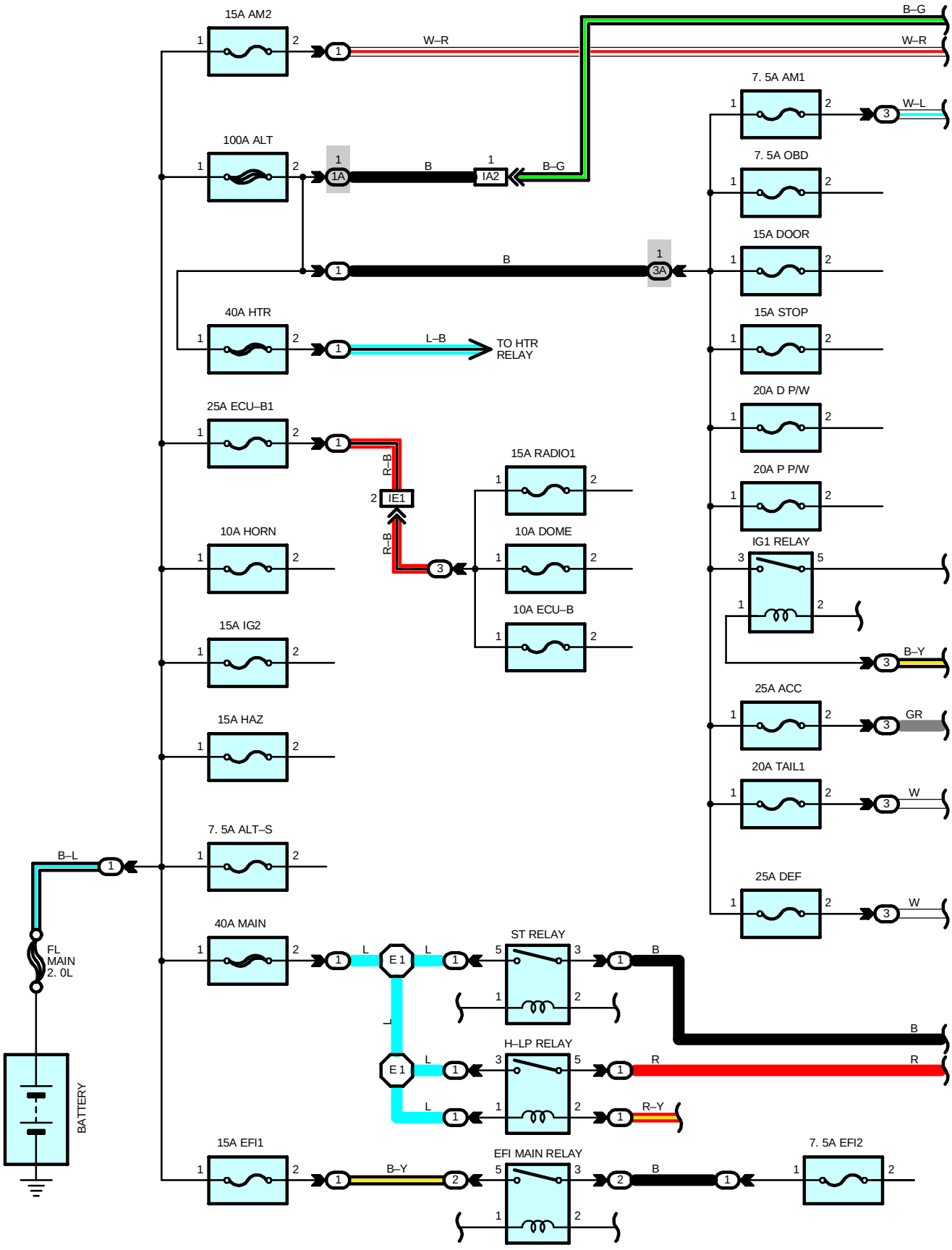
R/B No.4 (See Page 25)

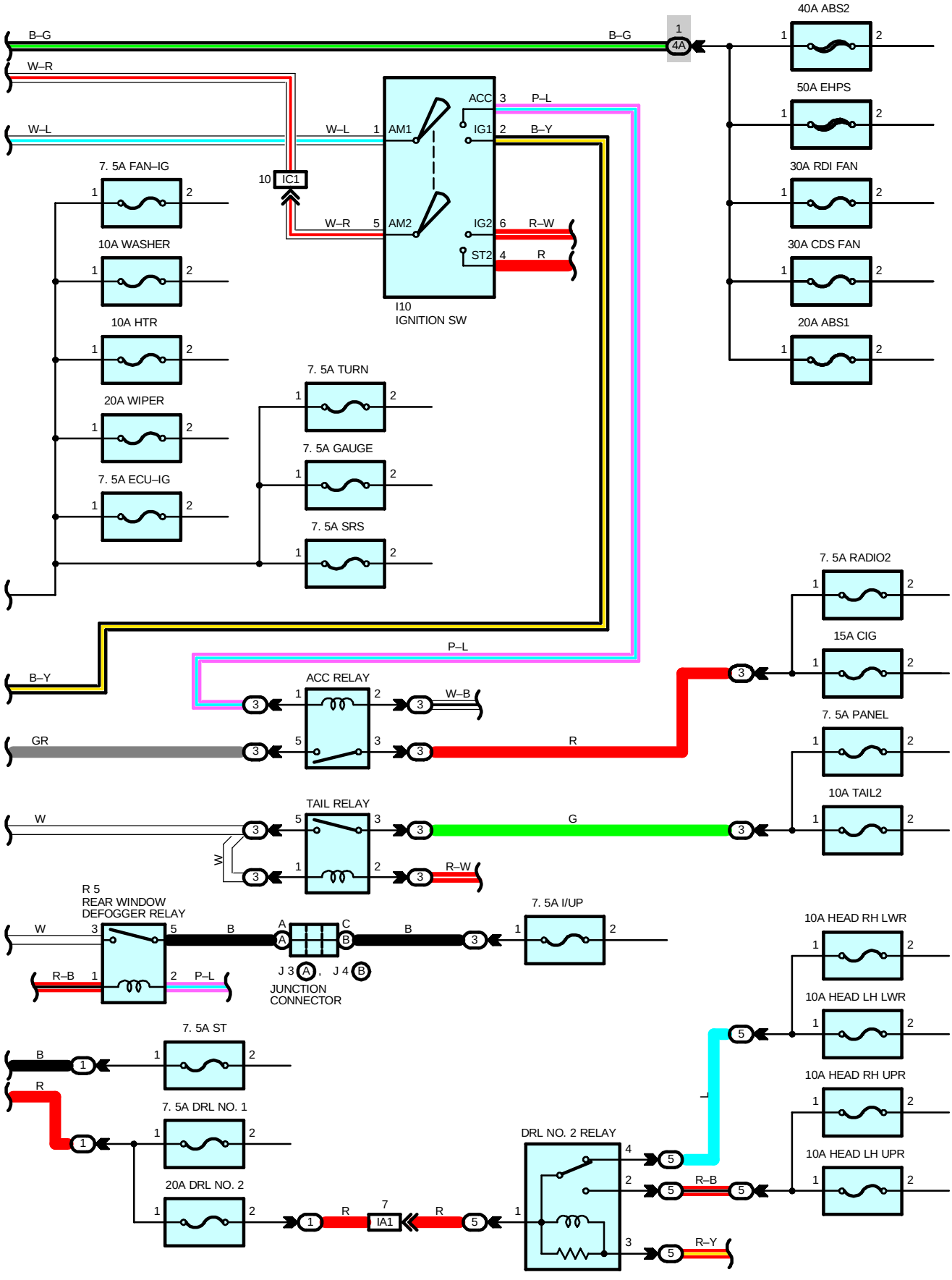
Fuse		System	Page
20A	ABS1	ABS	118
30A	CDS FAN	Radiator Fan and Condenser Fan	128
30A	RDI FAN	Radiator Fan and Condenser Fan	128
40A	ABS2	ABS	118
50A	EHPS	EHPS	116

R/B No.5 (See Page 28)

Fuse		System	Page
10A	HEAD LH LWR	Headlight	68
10A	HEAD LH UPR	Headlight	68
10A	HEAD RH LWR	Headlight	68
10A	HEAD RH UPR	Headlight	68

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


15A AM2
100A ALT
40A HTR
25A ECU–B1
10A HORN
15A IG2
15A HAZ
7. 5A ALT–S
40A MAIN
15A EFI1
15A RADIO1
10A DOME
10A ECU–B
7. 5A AM1
7. 5A OBD
15A DOOR
15A STOP
20A D P/W
20A P P/W
IG1 RELAY
25A ACC
20A TAIL1
25A DEF
7. 5A EFI2
ST RELAY
H–LP RELAY
EFI MAIN RELAY
TO HTR RELAY
FL MAIN 2. 0L
BATTERY
B–L
B–G
W–R
W–L
B
L–B
R–B
L
R
R–Y
B–Y
GR
W
IE1
IA2
E1
1A
3A


B–G
W–R
W–L
40A ABS2
50A EHPS
30A RDI FAN
30A CDS FAN
20A ABS1
4A
IC1
10
W–L
W–R
AM1
AM2
ACC
IG1
IG2
ST2
P–L
B–Y
R–W
R
I10
IGNITION SW
7. 5A FAN–IG
10A WASHER
10A HTR
20A WIPER
7. 5A ECU–IG
7. 5A TURN
7. 5A GAUGE
7. 5A SRS
7. 5A RADIO2
15A CIG
7. 5A PANEL
10A TAIL2
ACC RELAY
W–B
GR
TAIL RELAY
W
G
R–W
R 5
REAR WINDOW
DEFOGGER RELAY
R–B
7. 5A I/UP
J 3 , J 4
JUNCTION
CONNECTOR
10A HEAD RH LWR
10A HEAD LH LWR
10A HEAD RH UPR
10A HEAD LH UPR
7. 5A ST
7. 5A DRL NO. 1
20A DRL NO. 2
DRL NO. 2 RELAY
IA1
R–Y

POWER SOURCE

SERVICE HINTS

H–LP RELAY

5–3 : Closed with the light control SW at **HEAD** position or the dimmer SW at **FLASH** position
Closed with the engine running and the parking brake lever is released
(Parking brake SW off) [w/ daytime running light]

TAIL RELAY

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

I10 IGNITION SW

1–3 : Closed with the ignition key at **ACC** or **ON** position
1–2 : Closed with the ignition key at **ON** or **ST** position
5–6 : Closed with the ignition key at **ON** or **ST** position
5–4 : Closed with the ignition key at **ST** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
I10	33	J4 B	33		
J3 A	33	R5	33		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)
3	24	R/B No.3 (Left Side of Instrument Panel)
5	28	R/B No.5 (Front Compartment Right)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

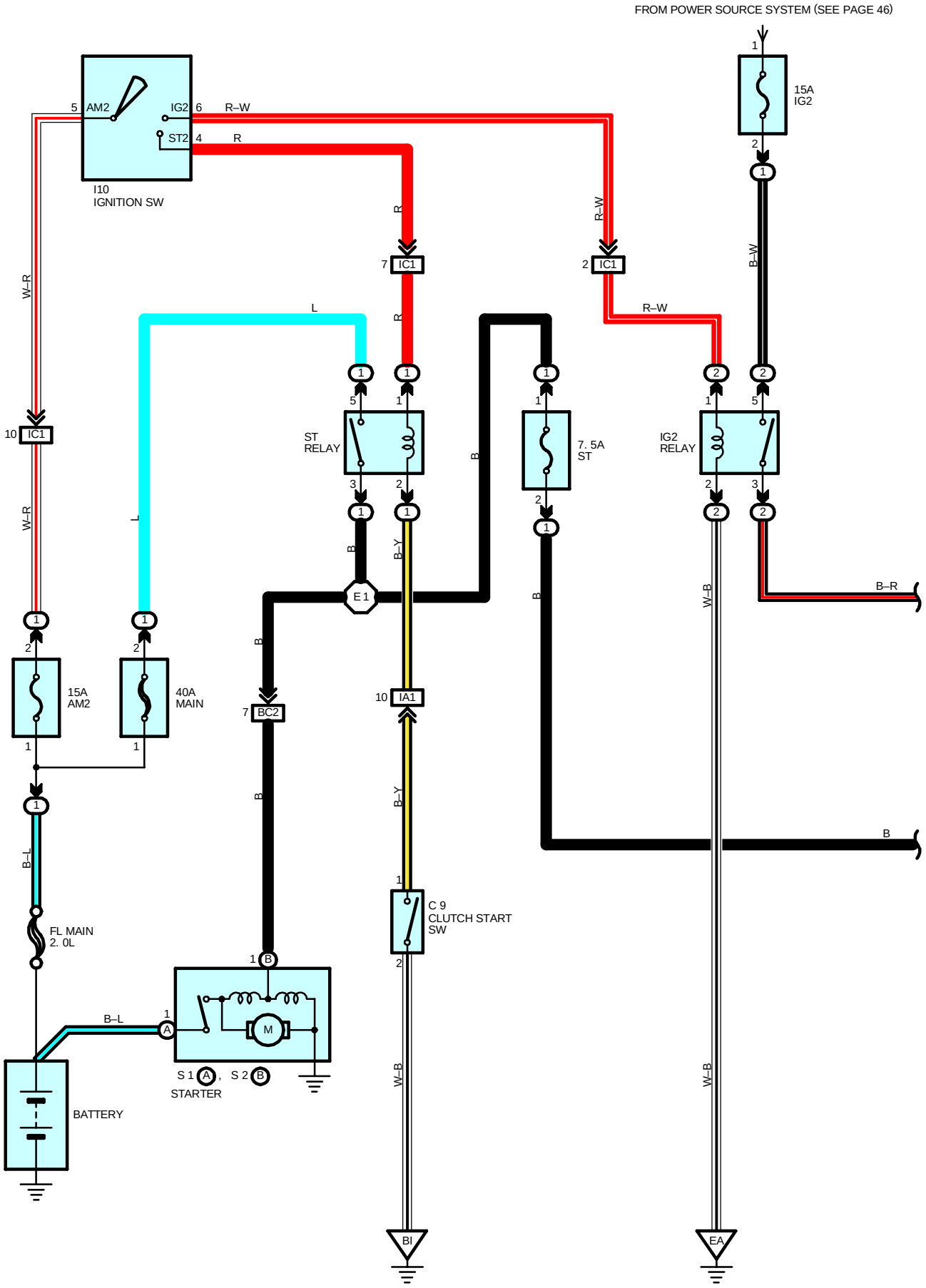
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	22	Engine Room Main Wire and J/B No.1 (Engine Compartment Left)
3A	24	Engine Room Main Wire and J/B No.3 (Left Side of Instrument Panel)
4A	25	Luggage Room Wire and J/B No.4 (Front Compartment Left)

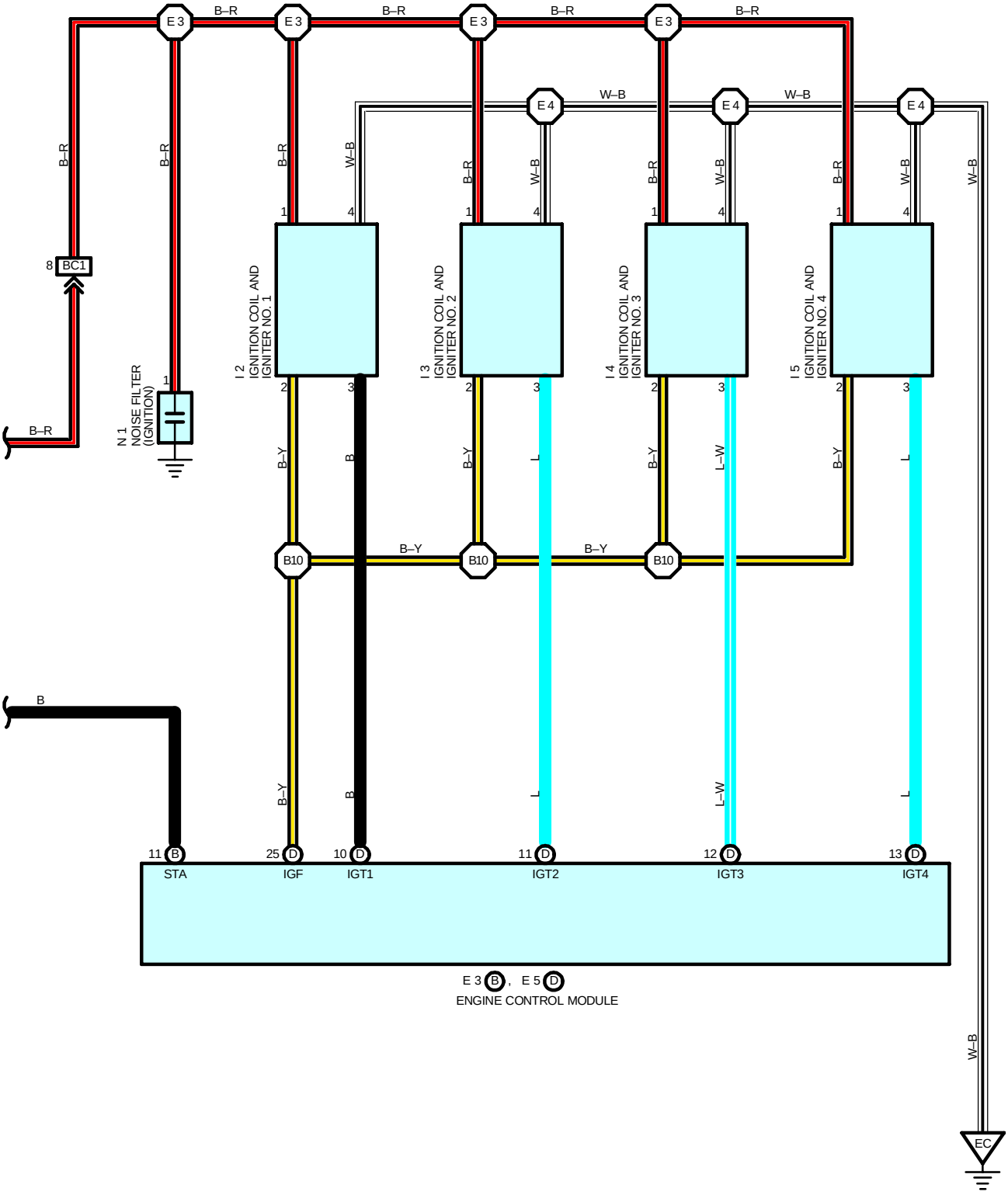
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IA2		
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IE1	38	Engine Room Main Wire and Instrument Panel Wire (Left Side of Instrument Panel)

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	36	Engine Room Main Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
I10
IGNITION SW
5 AM2
IG2 6 R–W
ST2 4 R
W–R
L
R
R–W
B
B–Y
B–L
B–R
W–B
7 IC1
2 IC1
10 IC1
ST RELAY
7. 5A ST
IG2 RELAY
15A IG2
15A AM2
40A MAIN
E 1
7 BC2
10 IA1
C 9 CLUTCH START SW
FL MAIN 2. 0L
BATTERY
S 1 A , S 2 B
STARTER
M
BI
EA


E 3
B–R
E 4
W–B
8 BC1
N 1
NOISE FILTER
(IGNITION)
I 2
IGNITION COIL AND
IGNITER NO. 1
I 3
IGNITION COIL AND
IGNITER NO. 2
I 4
IGNITION COIL AND
IGNITER NO. 3
I 5
IGNITION COIL AND
IGNITER NO. 4
B10
B–Y
B
L
L–W
B
11 B STA
25 D IGF
10 D IGT1
11 D IGT2
12 D IGT3
13 D IGT4
E 3 B , E 5 D
ENGINE CONTROL MODULE
EC

SERVICE HINTS

I10 IGNITION SW

5–6 : Closed with the ignition SW at **ON** or **ST** position
5–4 : Closed with the ignition SW at **ST** position

C9 CLUTCH START SW

1–2 : Closed with the clutch pedal fully depressed

ST RELAY

5–3 : Closed with the clutch start SW on and the ignition SW at **ST** position

S1 (A), S2 (B) STARTER

Points closed with the clutch start SW on and the ignition SW at **ST** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C9	32	I3	30	N1	31
E3 B	34	I4	30	S1 A	31
E5 D	34	I5	30	S2 B	31
I2	30	I10	33		

⬭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

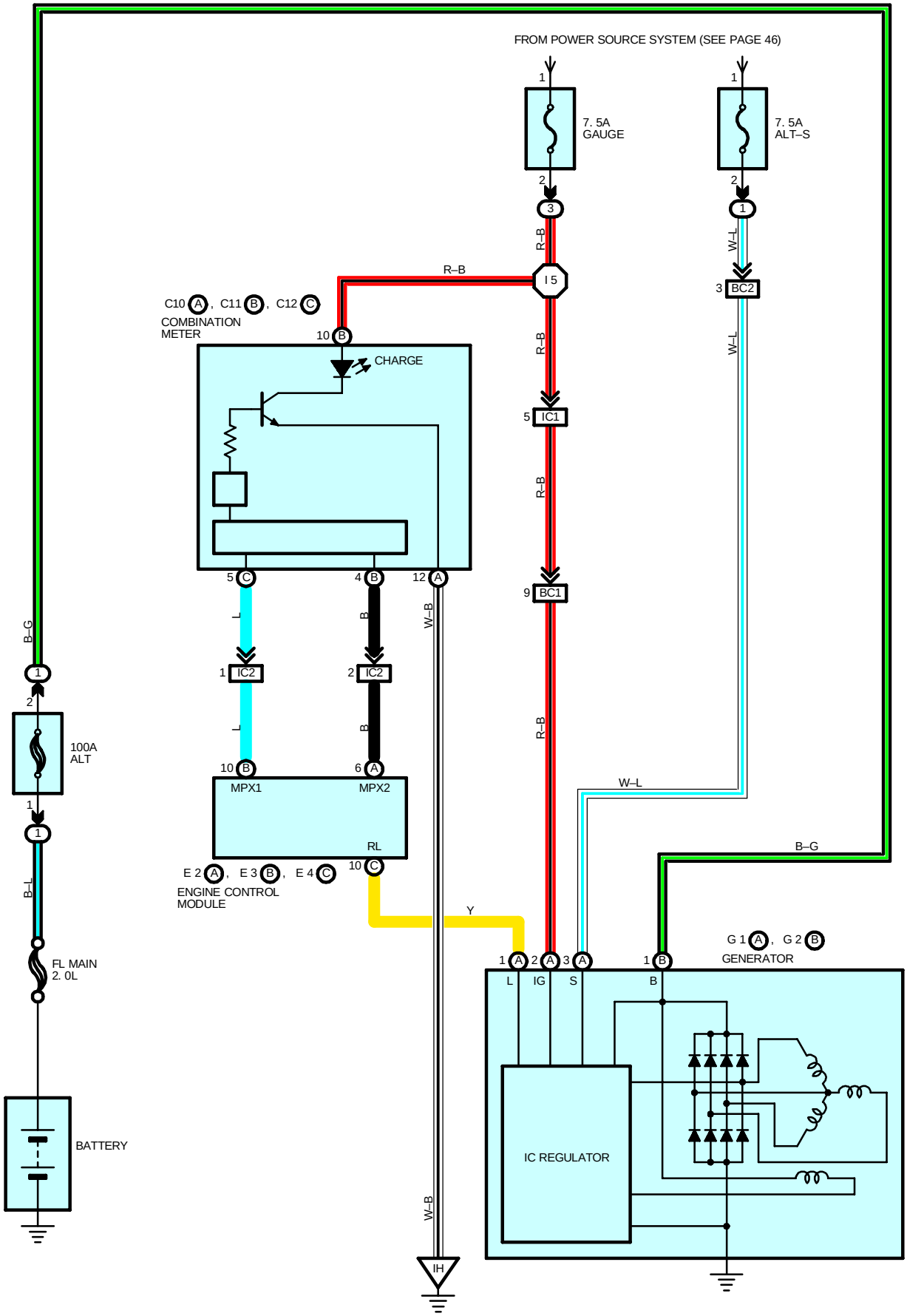
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
BC1	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)
BC2		

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
EC	36	Engine Block LH
BI	42	Suspension Tower Front RH

⯃ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	36	Engine Room Main Wire	E4	36	Engine Wire
E3	36	Engine Wire	B10	42	


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
7. 5A
GAUGE
7. 5A
ALT–S
R–B
W–L
I 5
C10 A , C11 B , C12 C
COMBINATION
METER
10 B
CHARGE
5 IC1
3 BC2
W–L
R–B
5 C
4 B
12 A
9 BC1
W–B
B–G
L
B
1 IC2
2 IC2
100A
ALT
10 B
6 A
MPX1
MPX2
RL
E 2 A , E 3 B , E 4 C
ENGINE CONTROL
MODULE
10 C
Y
W–L
B–G
G 1 A , G 2 B
GENERATOR
1 A 2 A 3 A 1 B
L IG S B
B–L
FL MAIN
2. 0L
IC REGULATOR
BATTERY
W–B
IH

SERVICE HINTS

G1 (A) GENERATOR

(A) 3–GROUND : **13.2**–**14.0** volts with the engine running at **5000** rpm and **115**˚C (**239**˚F)

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	A	32	E2	A	34	G1	A	30
C11	B	32	E3	B	34	G2	B	30
C12	C	32	E4	C	34			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

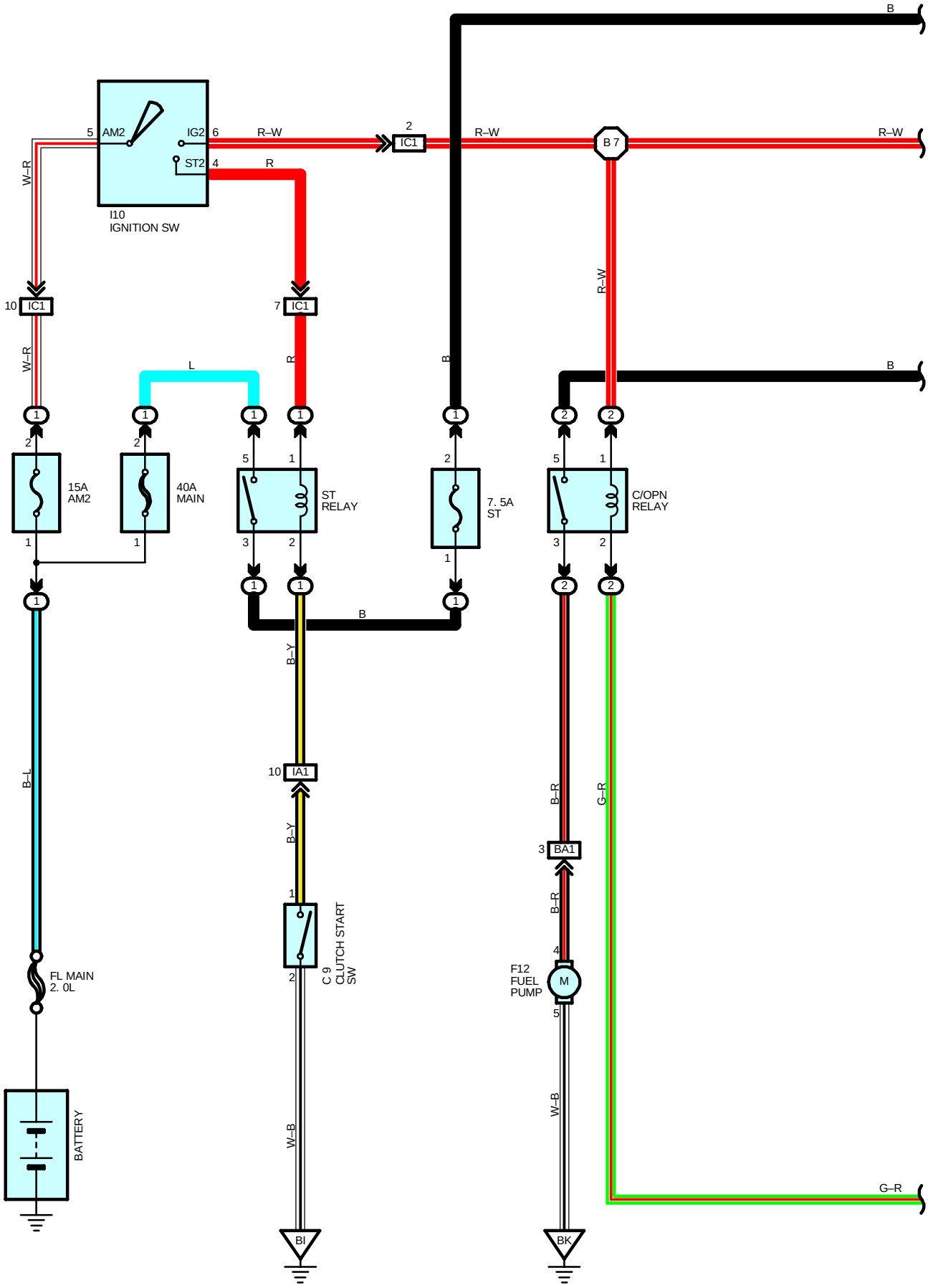
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC2		
BC1	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)
BC2		

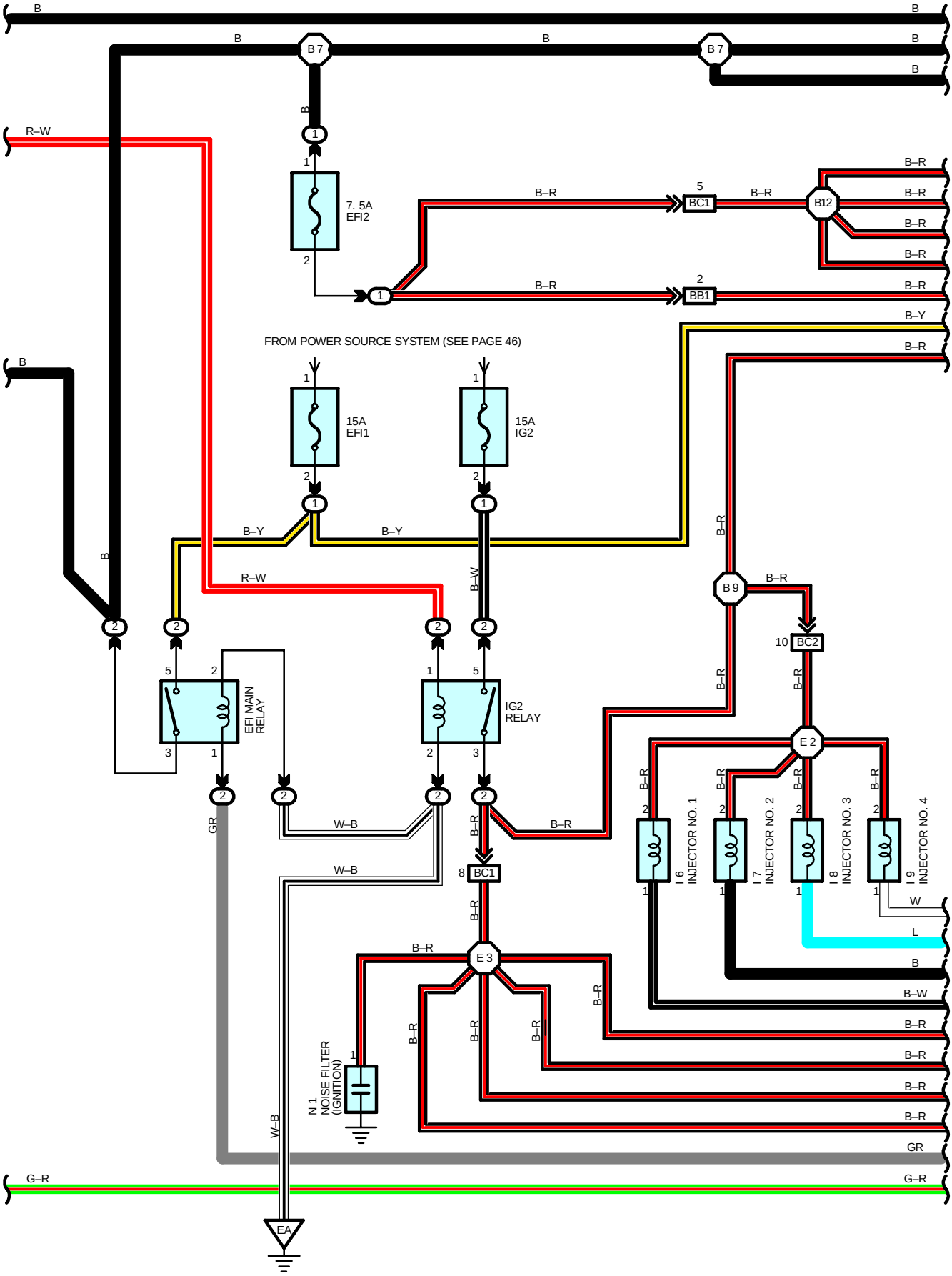
: GROUND POINTS

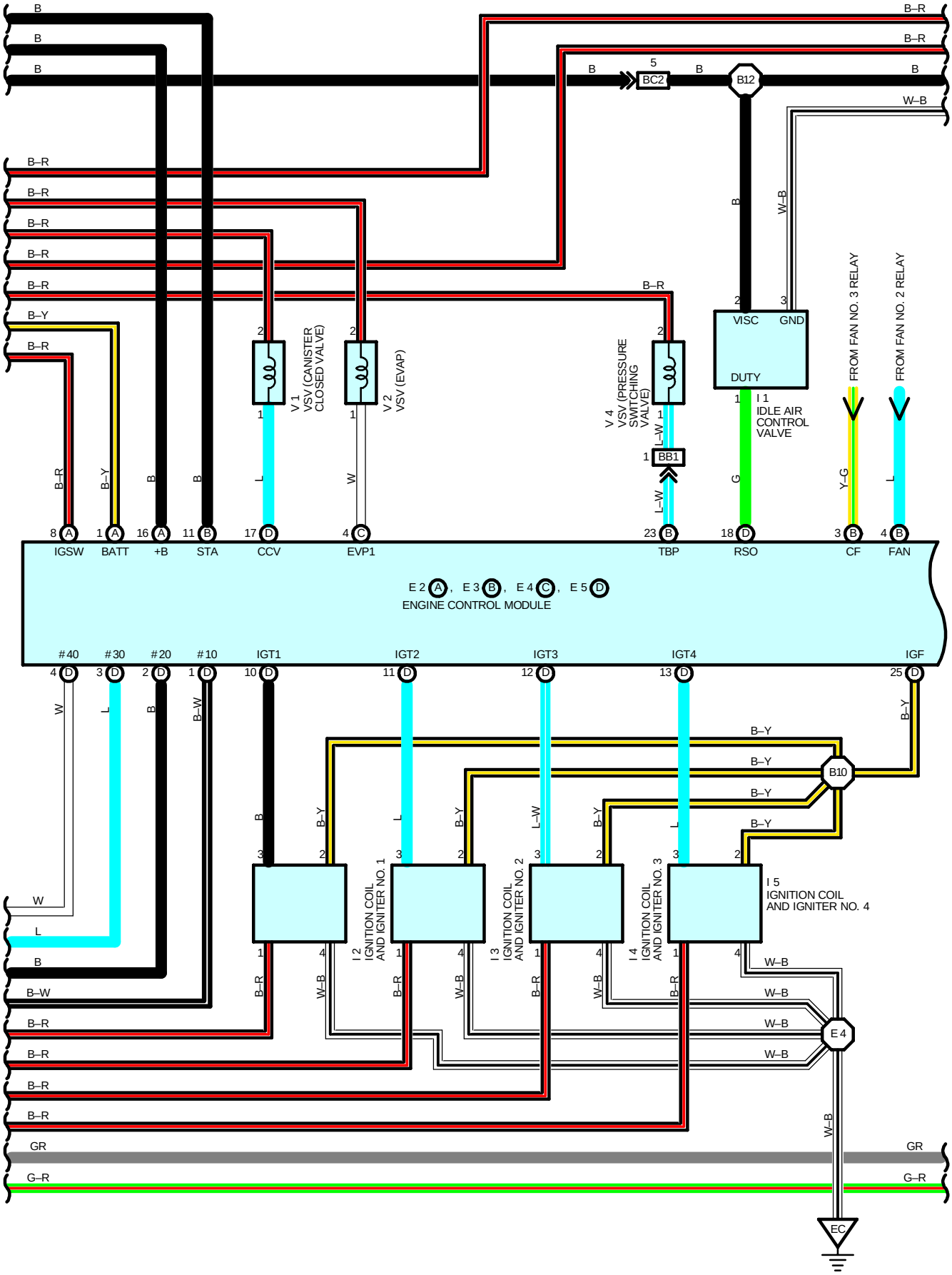
Code	See Page	Ground Points Location
IH	38	Right Kick Panel

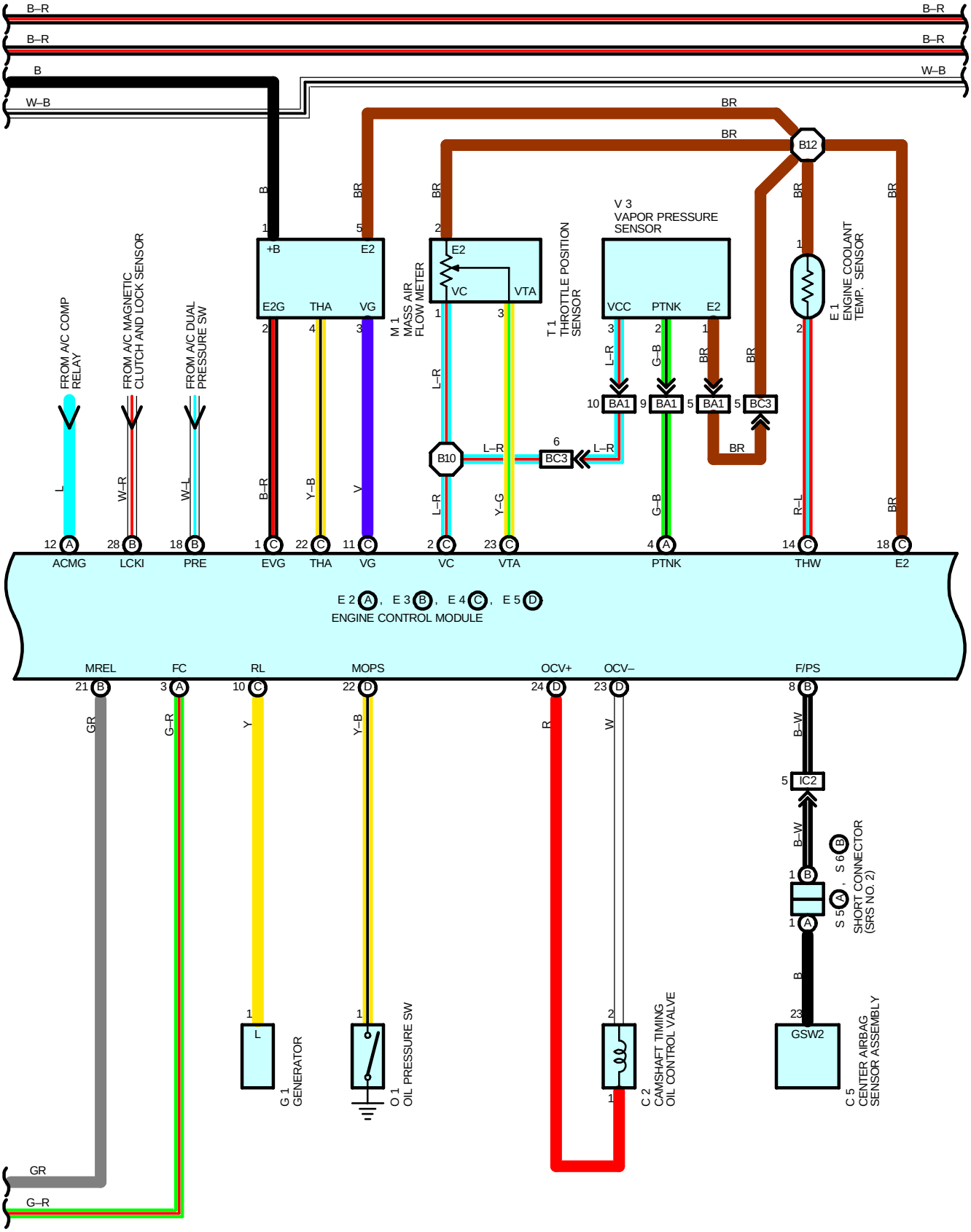
: SPLICE POINTS

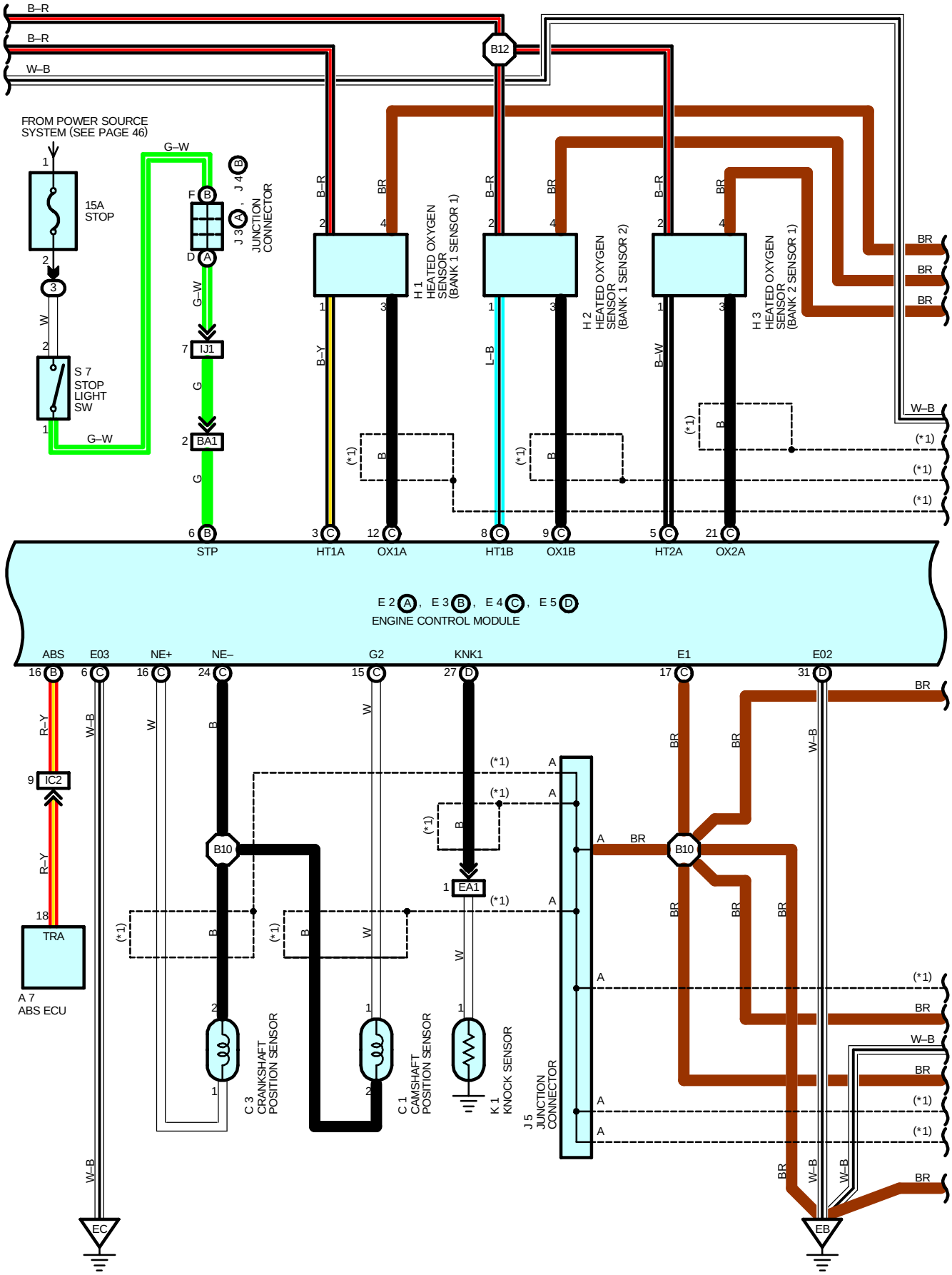
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	40	Instrument Panel Wire			

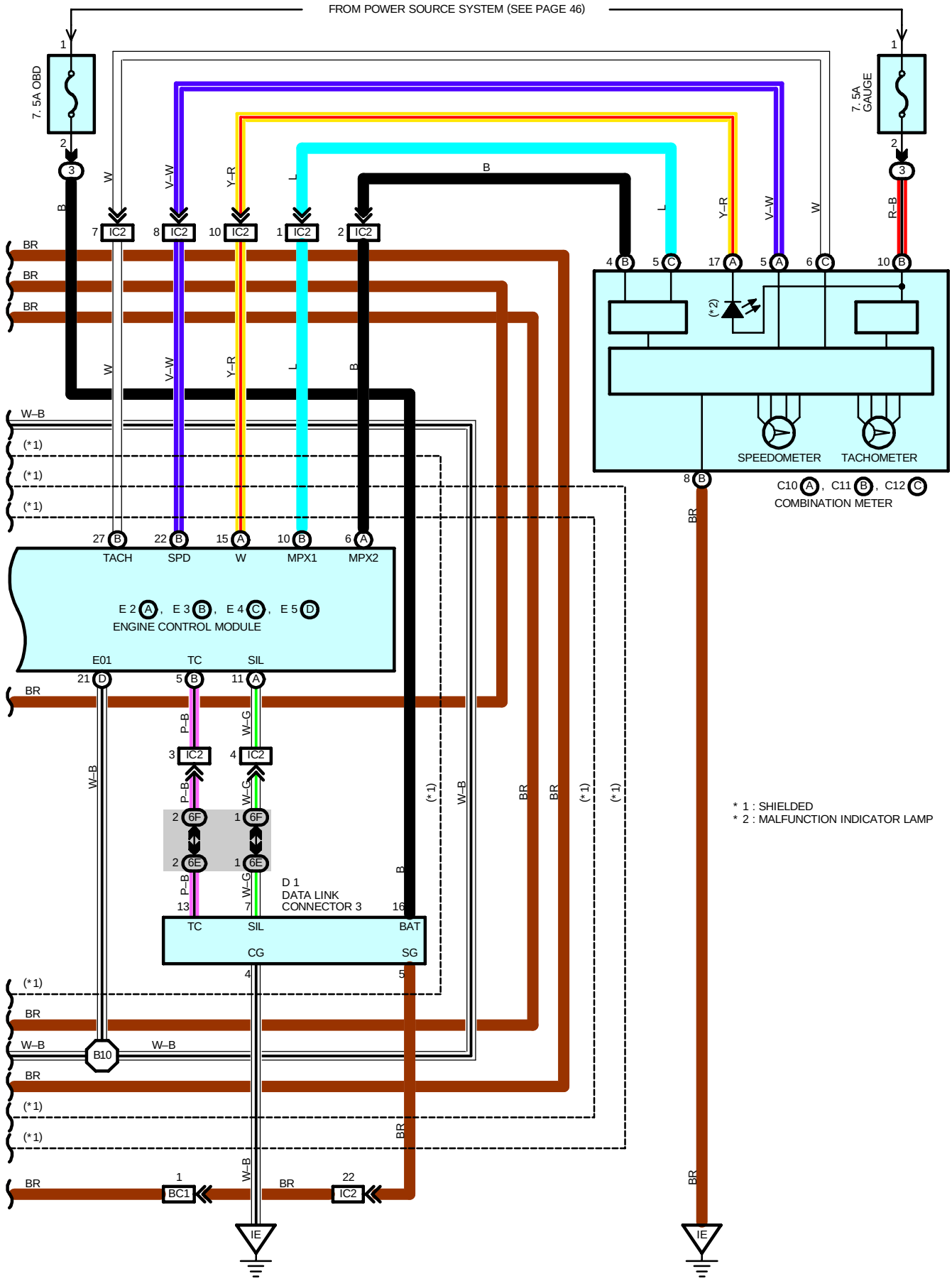

B
5
AM2
IG2
6
R–W
2
IC1
R–W
B 7
R–W
ST2
4
R
W–R
I10
IGNITION SW
10
IC1
7
IC1
W–R
L
R
B
R–W
B
1
2
15A
AM2
40A
MAIN
5
1
ST
RELAY
7. 5A
ST
C/OPN
RELAY
3
B
B–Y
B–L
10
IA1
B–R
G–R
3
BA1
B–R
1
C 9
CLUTCH START
SW
4
F12
FUEL
PUMP
M
5
FL MAIN
2. 0L
W–B
W–B
G–R
BATTERY
BI
BK


B
B 7
R–W
7. 5A
EFI2
B–R
BC1
B12
BB1
B–Y
FROM POWER SOURCE SYSTEM (SEE PAGE 46)
15A
EFI1
15A
IG2
EFI MAIN
RELAY
IG2
RELAY
B 9
BC2
E 2
E 3
INJECTOR NO. 1
INJECTOR NO. 2
INJECTOR NO. 3
INJECTOR NO. 4
W–B
GR
W
L
N 1
NOISE FILTER
(IGNITION)
G–R
EA


B
B–R
B–Y
W–B
G–R
GR
L
W
G
Y–G
BC2
B12
BB1
VISC
GND
DUTY
I 1
IDLE AIR CONTROL VALVE
V 1
VSV (CANISTER CLOSED VALVE)
V 2
VSV (EVAP)
V 4
VSV (PRESSURE SWITCHING VALVE)
FROM FAN NO. 3 RELAY
FROM FAN NO. 2 RELAY
IGSW
BATT
+B
STA
CCV
EVP1
TBP
RSO
CF
FAN
E 2 (A), E 3 (B), E 4 (C), E 5 (D)
ENGINE CONTROL MODULE
#40
#30
#20
#10
IGT1
IGT2
IGT3
IGT4
IGF
B10
E 4
I 2
IGNITION COIL AND IGNITER NO. 1
I 3
IGNITION COIL AND IGNITER NO. 2
I 4
IGNITION COIL AND IGNITER NO. 3
I 5
IGNITION COIL AND IGNITER NO. 4
EC


B–R
B–R
B–R
B–R
B
W–B
W–B
BR
BR
B12
V 3
VAPOR PRESSURE
SENSOR
M 1
MASS AIR
FLOW METER
T 1
THROTTLE POSITION
SENSOR
E 1
ENGINE COOLANT
TEMP. SENSOR
FROM A/C COMP
RELAY
FROM A/C MAGNETIC
CLUTCH AND LOCK SENSOR
FROM A/C DUAL
PRESSURE SW
+B
E2
E2G
THA
VG
E2
VC
VTA
VCC
PTNK
E2
BA1
BC3
B10
BC3
ACMG
LCKI
PRE
EVG
THA
VG
VC
VTA
PTNK
THW
E2
E 2 A , E 3 B , E 4 C , E 5 D
ENGINE CONTROL MODULE
MREL
FC
RL
MOPS
OCV+
OCV–
F/PS
IC2
S 5 A , S 6 B
SHORT CONNECTOR
(SRS NO. 2)
GSW2
G 1
GENERATOR
O 1
OIL PRESSURE SW
C 2
CAMSHAFT TIMING
OIL CONTROL VALVE
C 5
CENTER AIRBAG
SENSOR ASSEMBLY
GR
G–R


B–R
B–R
W–B
B12
FROM POWER SOURCE SYSTEM (SEE PAGE 46)
15A STOP
S 7 STOP LIGHT SW
G–W
W
G
IJ1
BA1
STP
JUNCTION CONNECTOR
H 1 HEATED OXYGEN SENSOR (BANK 1 SENSOR 1)
H 2 HEATED OXYGEN SENSOR (BANK 1 SENSOR 2)
H 3 HEATED OXYGEN SENSOR (BANK 2 SENSOR 1)
HT1A
OX1A
HT1B
OX1B
HT2A
OX2A
B–Y
L–B
B–W
BR
W–B
(*1)
E2 A, E3 B, E4 C, E5 D
ENGINE CONTROL MODULE
ABS
E03
NE+
NE–
G2
KNK1
E1
E02
R–Y
IC2
TRA
A 7 ABS ECU
EC
EB
B10
EA1
C 3 CRANKSHAFT POSITION SENSOR
C 1 CAMSHAFT POSITION SENSOR
K 1 KNOCK SENSOR
J 5 JUNCTION CONNECTOR


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
7. 5A OBD
7. 5A GAUGE
SPEEDOMETER
TACHOMETER
C10 A , C11 B , C12 C
COMBINATION METER
TACH
SPD
W
MPX1
MPX2
E 2 A , E 3 B , E 4 C , E 5 D
ENGINE CONTROL MODULE
E01
TC
SIL
D 1
DATA LINK
CONNECTOR 3
TC
SIL
BAT
CG
SG
B10
BC1
IE
IE
* 1 : SHIELDED
* 2 : MALFUNCTION INDICATOR LAMP

SYSTEM OUTLINE

This system utilizes an engine control module and maintains overall control of the engine and so on. An outline of the engine control is explained here.

1. INPUT SIGNALS

(1) Engine coolant temp. signal circuit

The engine coolant temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance which varies according to the engine coolant temp. The engine coolant temp. is input into TERMINAL THW of the engine control module as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the mass air flow meter and detects the intake air temp., which is input as a control signal to TERMINAL THA of the engine control module.

(3) Oxygen sensor signal circuit

The oxygen density in the exhaust emission is detected and is input as a control signal from the heated oxygen sensors (Bank 1 sensor 1, bank 1 sensor 2, bank 2 sensor 1) to TERMINALS OX1A, OX1B, OX2A of the engine control module.
To stabilize detection performance by the heated oxygen sensors, the heated oxygen sensors are warmed. This heater is also controlled by the engine control module (HT1A, HT1B, HT2A).

(4) RPM signal circuit

Camshaft position is detected by the camshaft position sensor and its signal is input to TERMINAL G2 of the engine control module as a control signal. Also, the engine RPM is detected by the crankshaft position sensor installed in the cylinder block and the signal is input into TERMINAL NE+ of the engine control module as a control signal.

(5) Throttle signal circuit

The throttle position sensor detects the throttle valve opening angle as a control signal, which is input into TERMINAL VTA of the engine control module.

(6) Vehicle speed circuit

The vehicle speed sensor, installed inside the transmission, detects the vehicle speed and inputs a control signal into TERMINAL SPD of the engine control module.

(7) A/C SW signal circuit

The operating voltage of the A/C magnetic clutch is detected and the signal is input into TERMINAL ACMG of the engine control module as a control signal.

(8) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine control module. With the ignition SW turned on, Voltage for engine control module start–up power supply is applied to TERMINAL +B of the engine control module via the EFI MAIN relay.

(9) Intake air volume signal circuit

Intake air volume is detected by the mass air flow meter and the signal is input to TERMINAL VG of the engine control module as a control signal.

(10) Stop light SW signal circuit

The stop light SW is used to detect whether or not the vehicle is braking and the signal is input into TERMINAL STP of the engine control module as a control signal.

(11) Starter signal circuit

To confirm whether the engine is cranking, the voltage applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine control module as a control signal.

(12) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

2. CONTROL SYSTEM

∗ SFI system

The SFI system monitors the engine condition through the signals input from each sensor (Input signals from (1) to (12) etc.) to the engine control module. The best fuel injection timing is decided based on this data and the program memorized by the engine control module, and the control signal is output to TERMINALS #10, #20, #30 and #40 of the engine control module to operate the injector (Inject the fuel). The sequential multiport fuel injection (Electronic fuel injection) system controls the fuel injection operation by the engine control module in response to the driving conditions.

∗ ESA system

The ESA system monitors the engine condition through the signals input to the engine control module from each sensor (Input signals from (1), (2), (4) to (12) etc.). The best ignition timing is decided according to this data and the memorized data in the engine control module, and the control signal is output to TERMINALS IGT1, IGT2, IGT3 and IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ Heated oxygen sensor heater control system

The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensors (Bank 1 sensor 1, bank 1 sensor 2, bank 2 sensor 1) to improve detection performance of the sensors.

The engine control module evaluates the signals from each sensor (Input signals from (1), (2), (4), (8) to (10) etc.), and outputs current to TERMINALS HT1A, HT1B, HT2A to control the heater.

3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunction in the engine control module signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. FAIL–SAFE SYSTEM

When a malfunction has occurred 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 engine control module memory or else stops the engine.

SERVICE HINTS

E2 (A), E3 (B), E4 (C), E5 (D) ENGINE CONTROL MODULE

BATT–E1 : Always **9.0**–**14.0** volts
+B–E1 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
VC–E2 : **4.5**–**5.5** volts (Ignition SW at **ON** position)
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)
THA–E2 : **0.5**–**3.4** volts (Ignition SW ON and intake air temp. **20**˚C, **68**˚F)
THW–E2 : **0.2**–**1.0** volts (Ignition SW ON and coolant temp. **80**˚C, **176**˚F)
STA–E1 : **6.0**–**14.0** volts (Engine cranking)
W–E1 : **9.0**–**14.0** volts (No trouble and engine running)
STP–E1 : **9.0**–**14.0** volts (Brake pedal depress)
RSO–E1 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
IGT1, IGT2, IGT3, IGT4–E1 : **0.8**–**1.2** volts (Engine cranking or idling)
#10, #20, #30, #40–E01, E02 : **9.0**–**14.0** volts (Ignition SW at **ON** position)

RESISTANCE OF ECU WIRING CONNECTORS

(Disconnect wiring connector)
VTA–E2 : **3.3**–**10.0** kΩ (Throttle valve fully open)
0.2–**5.5** kΩ (Throttle valve fully closed)
VC–E2 : **2.0**–**7.0** kΩ
THA–E2 : **2.0**–**3.0** kΩ (Intake air temp. **20**˚C, **68**˚F)
THW–E2 : **0.2**–**0.4** kΩ (Coolant temp. **80**˚C, **176**˚F)
RSO–E1 : **19.3**–**22.3** Ω

C/OPN RELAY

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

EFI MAIN RELAY

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

E1 ENGINE COOLANT TEMP. SENSOR

1–2 : **10.0**–**20.0** kΩ (**–20**˚C, **–4**˚F)
4.0–**7.0** k Ω (**0**˚C, **32**˚F)
2.0–**3.0** kΩ (**20**˚C, **68**˚F)
0.9–**1.3** kΩ (**40**˚C, **104**˚F)
0.4–**0.7** kΩ (**60**˚C, **140**˚F)
0.2–**0.4** kΩ (**80**˚C, **176**˚F)

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
A7		32	F12	34	J3	A	33
C1		30	G1	30	J4	B	33
C2		30	H1	30	J5		35
C3		30	H2	30	K1		31
C5		32	H3	30	M1		31
C9		32	I1	30	N1		31
C10	A	32	I2	30	O1		31
C11	B	32	I3	30	S5	A	33
C12	C	32	I4	30	S6	B	33
D1		32	I5	30	S7		33
E1		30	I6	30	T1		31
E2	A	34	I7	30	V1		31
E3	B	34	I8	30	V2		31
E4	C	34	I9	30	V3		35
E5	D	34	I10	33	V4		35

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

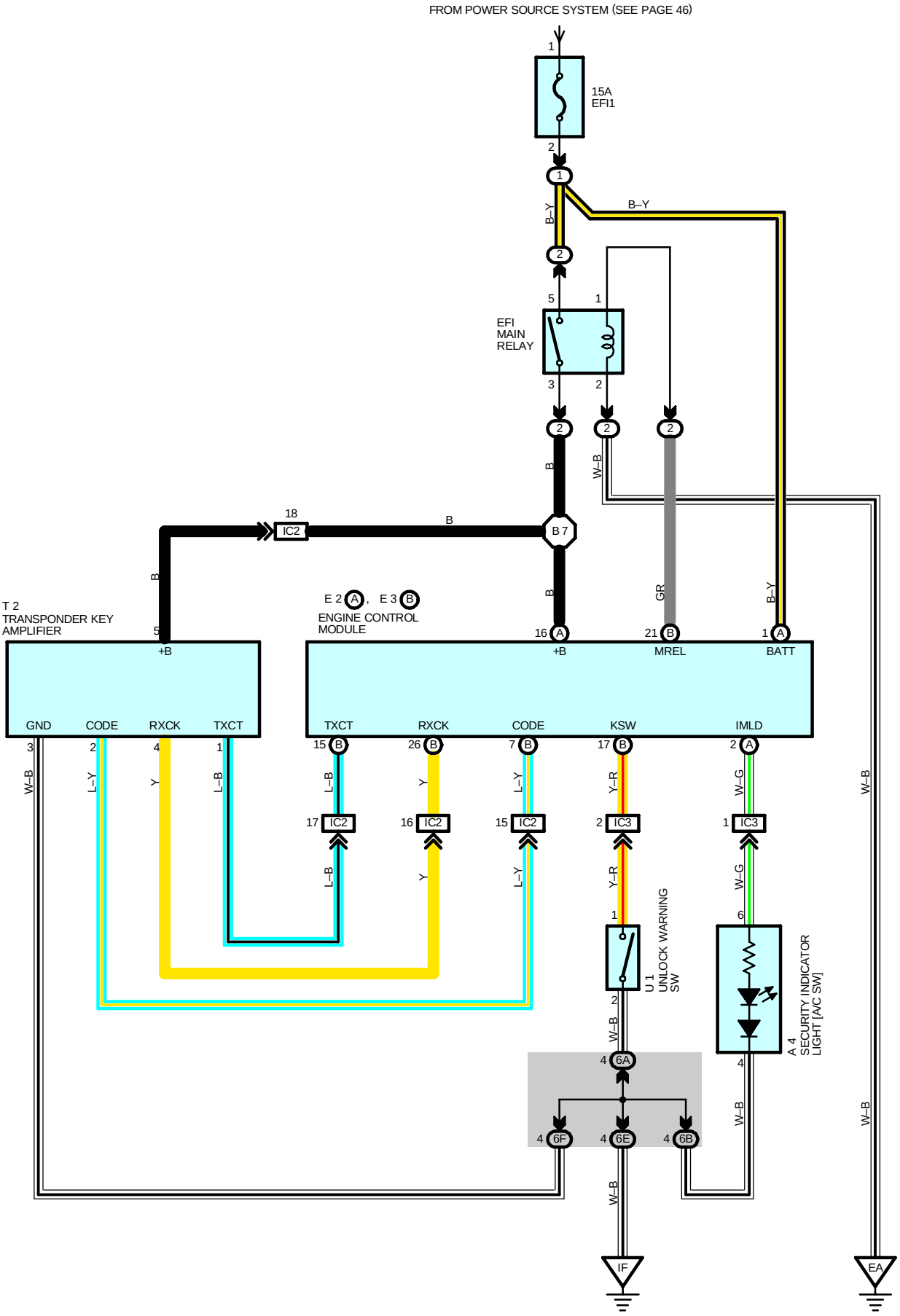
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	36	Engine No.4 Wire and Engine Wire (Near the Generator)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC2		
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)
BA1	42	Engine Room Main Wire and Floor Wire (Right Side of Room Partition Panel)
BB1	42	Engine Room No.4 Wire and Engine Room Main Wire (Left Side of Room Partition Panel)
BC1	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)
BC2		
BC3		

: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
EB	36	Engine Block LH
EC		
IE	38	Left Kick Panel
BI	42	Suspension Tower Front RH
BK	42	Under the Center Pillar RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	36	Engine Wire	B9	42	Engine Room Main Wire
E3			B10	42	Engine Wire
E4			B12		
B7	42	Engine Room Main Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
15A
EFI1
EFI
MAIN
RELAY
B–Y
W–B
B
GR
18
IC2
B 7
T 2
TRANSPONDER KEY
AMPLIFIER
E 2 A , E 3 B
ENGINE CONTROL
MODULE
+B
MREL
BATT
GND
CODE
RXCK
TXCT
KSW
IMLD
L–Y
Y
L–B
Y–R
W–G
U 1
UNLOCK WARNING
SW
A 4
SECURITY INDICATOR
LIGHT [A/C SW]
6A
6F
6E
6B
IF
EA

SERVICE HINTS

T2 TRANSPONDER KEY AMPLIFIER

3–GROUND : Always continuity

U1 UNLOCK WARNING SW

1–2 : Closed with the ignition key in cylinder

: PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
A4		32	E3	B	34	U1	33
E2	A	34	T2		33		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6A	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6B		
6E		
6F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

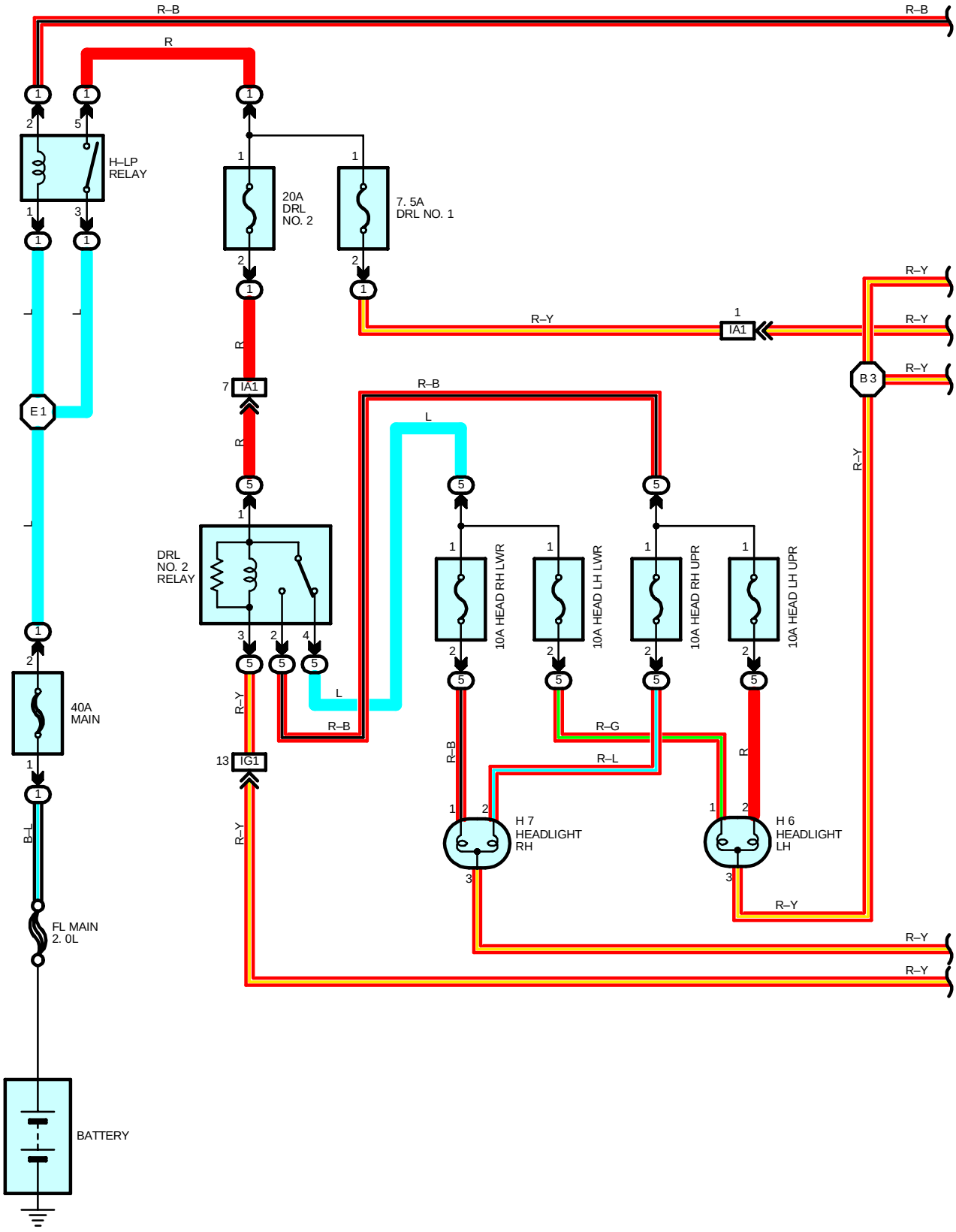
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC3		

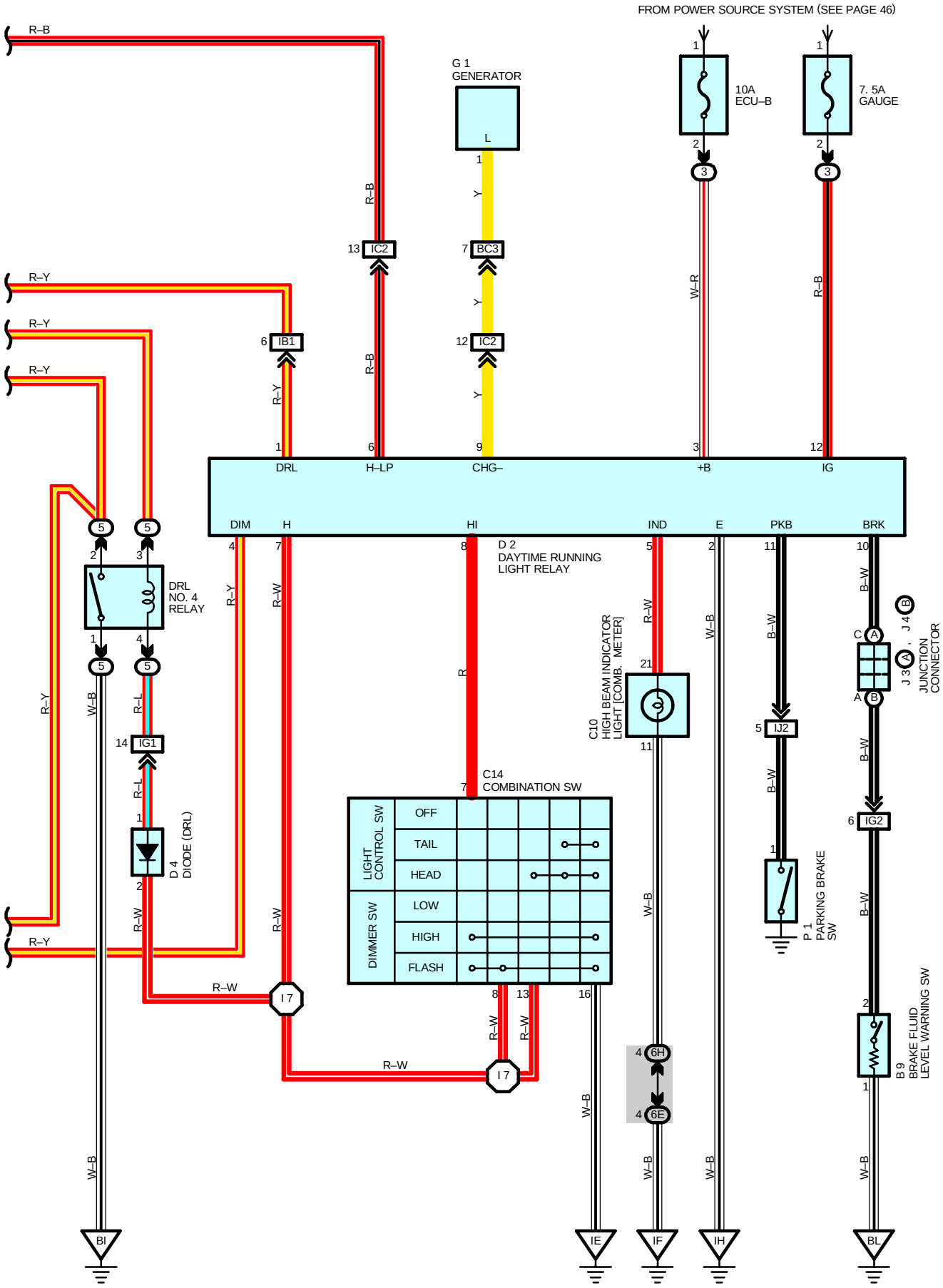
: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
IF	38	Instrument Panel Brace LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B7	42	Engine Room Main Wire			


R–B
R
H–LP RELAY
20A DRL NO. 2
7. 5A DRL NO. 1
R–Y
IA1
B 3
E 1
DRL NO. 2 RELAY
L
10A HEAD RH LWR
10A HEAD LH LWR
10A HEAD RH UPR
10A HEAD LH UPR
R–G
R–L
40A MAIN
IG1
H 7 HEADLIGHT RH
H 6 HEADLIGHT LH
B–L
FL MAIN 2. 0L
BATTERY


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
G 1
GENERATOR
L
10A
ECU–B
7. 5A
GAUGE
R–B
R–Y
W–R
Y
IC2
BC3
IB1
DRL
H–LP
CHG–
+B
IG
DIM
H
HI
IND
E
PKB
BRK
D 2
DAYTIME RUNNING
LIGHT RELAY
DRL
NO. 4
RELAY
R–L
W–B
B–W
IG1
IG2
IJ2
D 4
DIODE (DRL)
C10
HIGH BEAM INDICATOR
LIGHT [COMB. METER]
C14
COMBINATION SW
LIGHT
CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
I 7
6H
6E
P 1
PARKING BRAKE
SW
J 3 , J 4
JUNCTION
CONNECTOR
B 9
BRAKE FLUID
LEVEL WARNING SW
BI
IE
IF
IH
BL

HEADLIGHT

SYSTEM OUTLINE

When the following conditions are met while the ignition SW is ON, and if the light control SW is at OFF or TAIL position, the daytime running light is controlled.

* Parking brake lever is released (Parking brake SW is OFF)
* Input signal from the generator

If any of the following conditions are met, the daytime running light control is canceled.

* Ignition SW is turned OFF.
* Light control SW is at HEAD position.
* Dimmer SW is at FLASH position.

SERVICE HINTS

H–LP RELAY

5–3 : Closed with the light control SW at **HEAD** position or the dimmer SW at **FLASH** position
Closed with the engine running and the parking brake lever released (Parking brake SW off)

C14 COMBINATION SW

13–16 : Closed with the light control SW at **HEAD** position
8–16 : Closed with the dimmer SW at **FLASH** position
7–16 : Closed with the dimmer SW at **FLASH** or **HIGH** position

P1 PARKING BRAKE SW

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

D2 DAYTIME RUNNING LIGHT RELAY

3–GROUND : Always approx. **12** volts
12–GROUND : Approx. **12** volts with the ignition SW at **ON** position
2–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
B9	34	D4	32	J3	A	33
C10	32	G1	30	J4	B	33
C14	32	H6	35	P1		33
D2	32	H7	35			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
3	24	R/B No.3 (Left Side of Instrument Panel)
5	28	R/B No.5 (Front Compartment Right)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

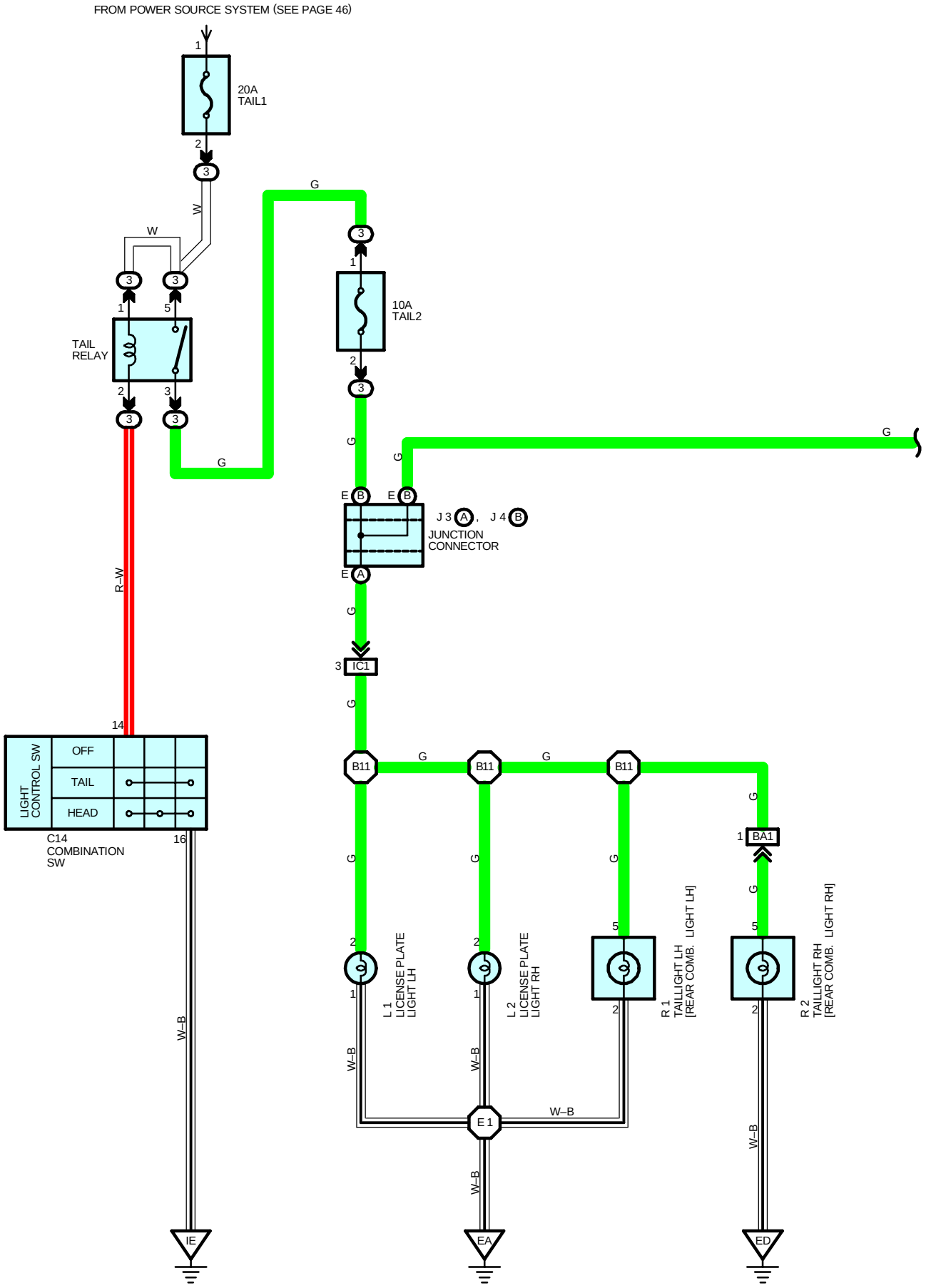
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IB1	38	Luggage Room Wire and Instrument Panel Wire (Left Kick Panel)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IG1	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
IG2		
IJ2	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)
BC3	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)

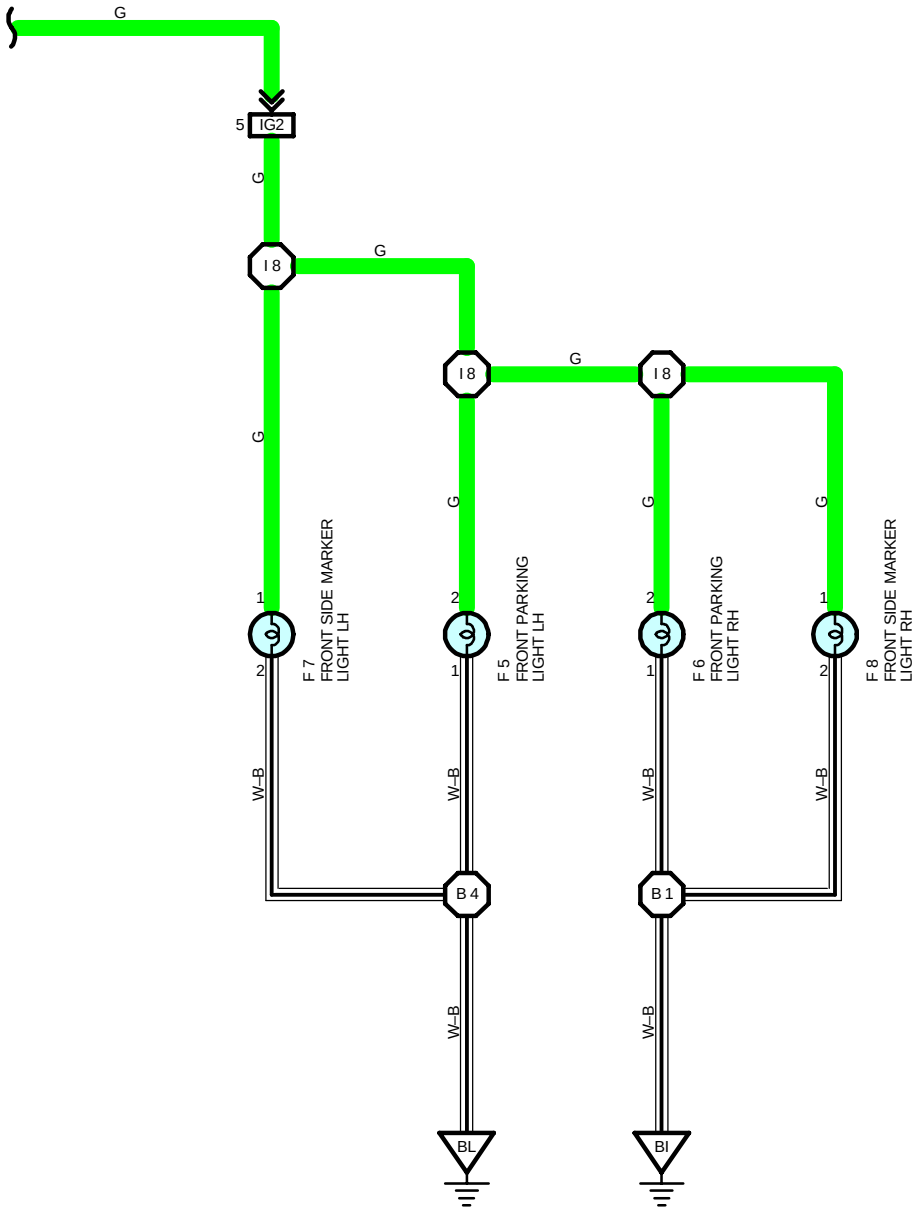
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IH	38	Right Kick Panel
BI	42	Suspension Tower Front RH
BL	42	Suspension Tower Front LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	36	Engine Room Main Wire	B3	42	Luggage Room Wire
I7	40	Instrument Panel Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
20A
TAIL1
10A
TAIL2
TAIL
RELAY
W
G
R–W
W–B
JUNCTION
CONNECTOR
J 3 A , J 4 B
IC1
LIGHT
CONTROL SW
OFF
TAIL
HEAD
C14
COMBINATION
SW
L 1
LICENSE PLATE
LIGHT LH
L 2
LICENSE PLATE
LIGHT RH
R 1
TAILLIGHT LH
[REAR COMB. LIGHT LH]
R 2
TAILLIGHT RH
[REAR COMB. LIGHT RH]
E 1
IE
EA
ED


G
5
IG2
G
I 8
G
I 8
G
I 8
G
G
G
G
1
2
F 7
FRONT SIDE MARKER
LIGHT LH
2
1
F 5
FRONT PARKING
LIGHT LH
2
1
F 6
FRONT PARKING
LIGHT RH
1
2
F 8
FRONT SIDE MARKER
LIGHT RH
W–B
W–B
W–B
W–B
B 4
B 1
W–B
W–B
BL
BI

TAILLIGHT

SERVICE HINTS

TAIL RELAY

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

C14 COMBINATION SW

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	32	F8	34	L2	31
F5	34	J3 A	33	R1	31
F6	34	J4 B	33	R2	31
F7	34	L1	31		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

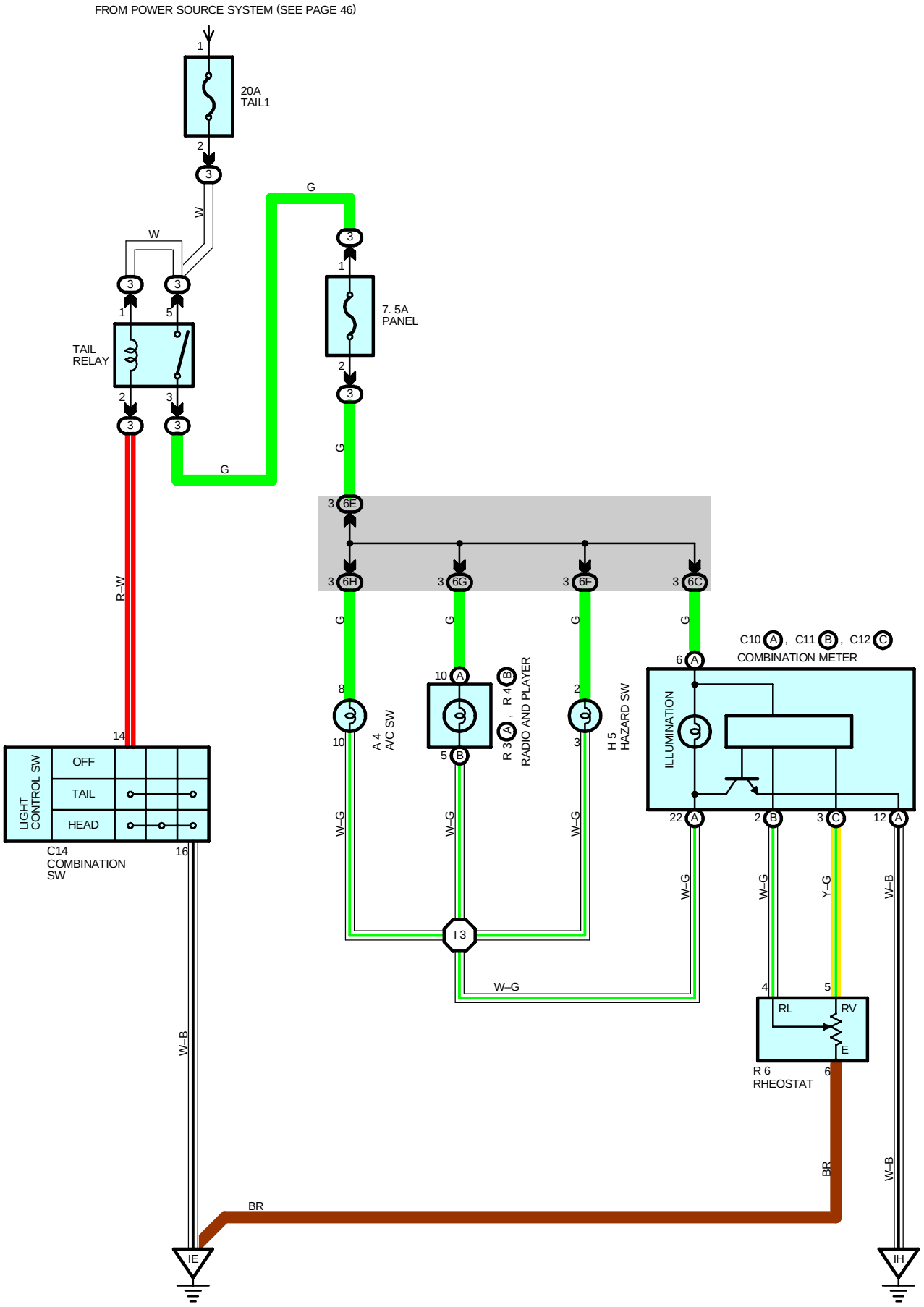
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IG2	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
BA1	42	Engine Room Main Wire and Floor Wire (Right Side of Room Partition Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
ED	36	Suspension Tower Rear RH
IE	38	Left Kick Panel
BI	42	Suspension Tower Front RH
BL	42	Suspension Tower Front LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	36	Engine Room Main Wire	B4	42	Luggage Room Wire
I8	40	Luggage Room Wire	B11	42	Engine Room Main Wire
B1	42				


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
20A
TAIL1
7. 5A
PANEL
TAIL
RELAY
G
W
R–W
W–B
BR
W–G
Y–G
LIGHT
CONTROL SW
OFF
TAIL
HEAD
C14
COMBINATION
SW
A 4
A/C SW
R 3
R 4
RADIO AND PLAYER
H 5
HAZARD SW
I 3
C10 A , C11 B , C12 C
COMBINATION METER
ILLUMINATION
RL
RV
E
R 6
RHEOSTAT
IE
IH

SERVICE HINTS

TAIL RELAY

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

C14 COMBINATION SW

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

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A4		32	C12	C	32	R3	A	33
C10	A	32	C14		32	R4	B	33
C11	B	32	H5		33	R6		33

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6C	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		
6F		
6G		
6H		

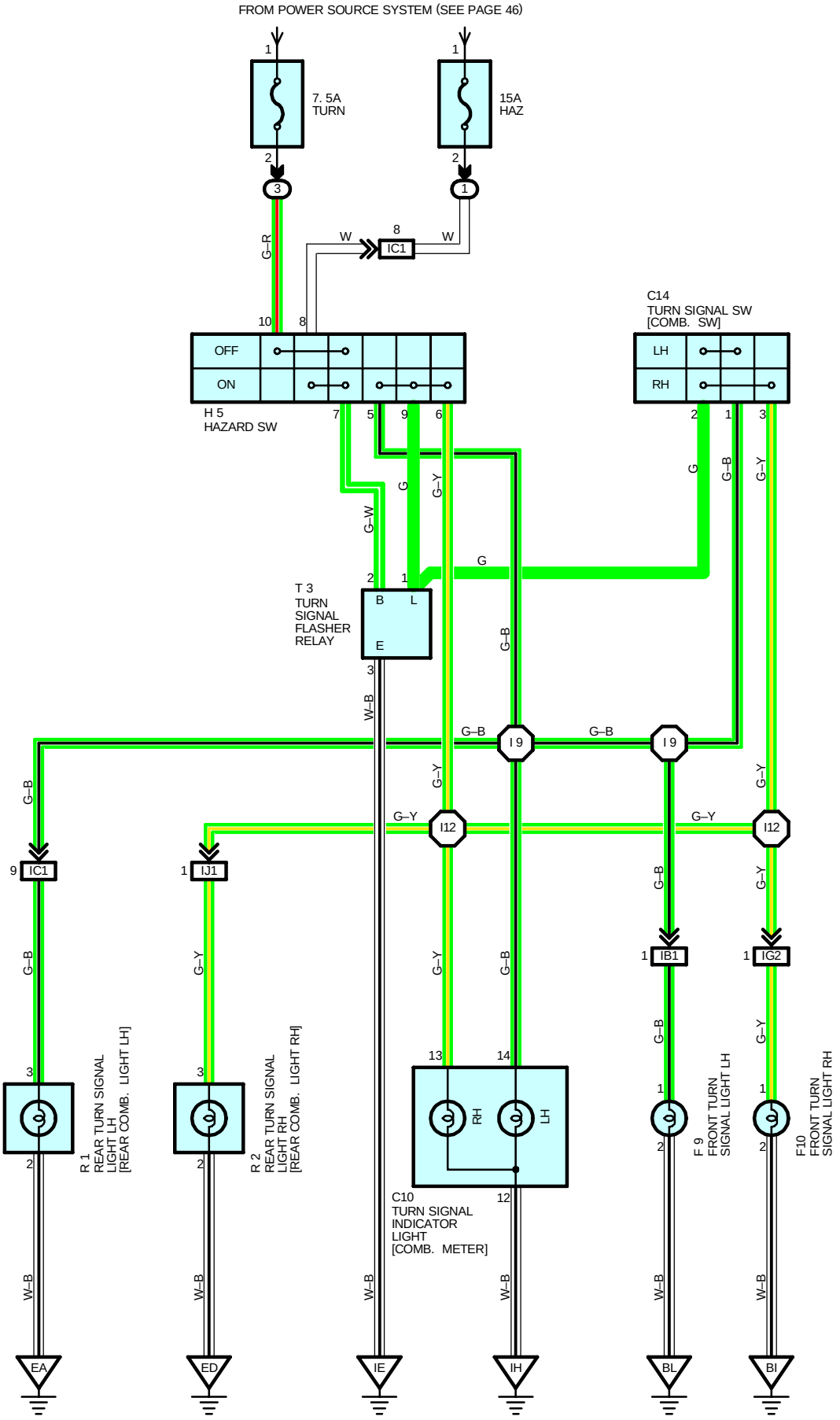
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IH	38	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	40	Instrument Panel Wire			

TURN SIGNAL AND HAZARD WARNING LIGHT



SERVICE HINTS

T3 TURN SIGNAL FLASHER RELAY

2–GROUND : Approx. **12** volts with the ignition SW on or the hazard SW on

1–GROUND : Changes from approx. **12** to **0** volts with the ignition SW on and the turn signal SW **LH** or **RH** position, and with the hazard SW on

3–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C10	32	F10	34	R2	31
C14	32	H5	33	T3	33
F9	34	R1	31		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	38	Luggage Room Wire and Instrument Panel Wire (Left Kick Panel)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IG2	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

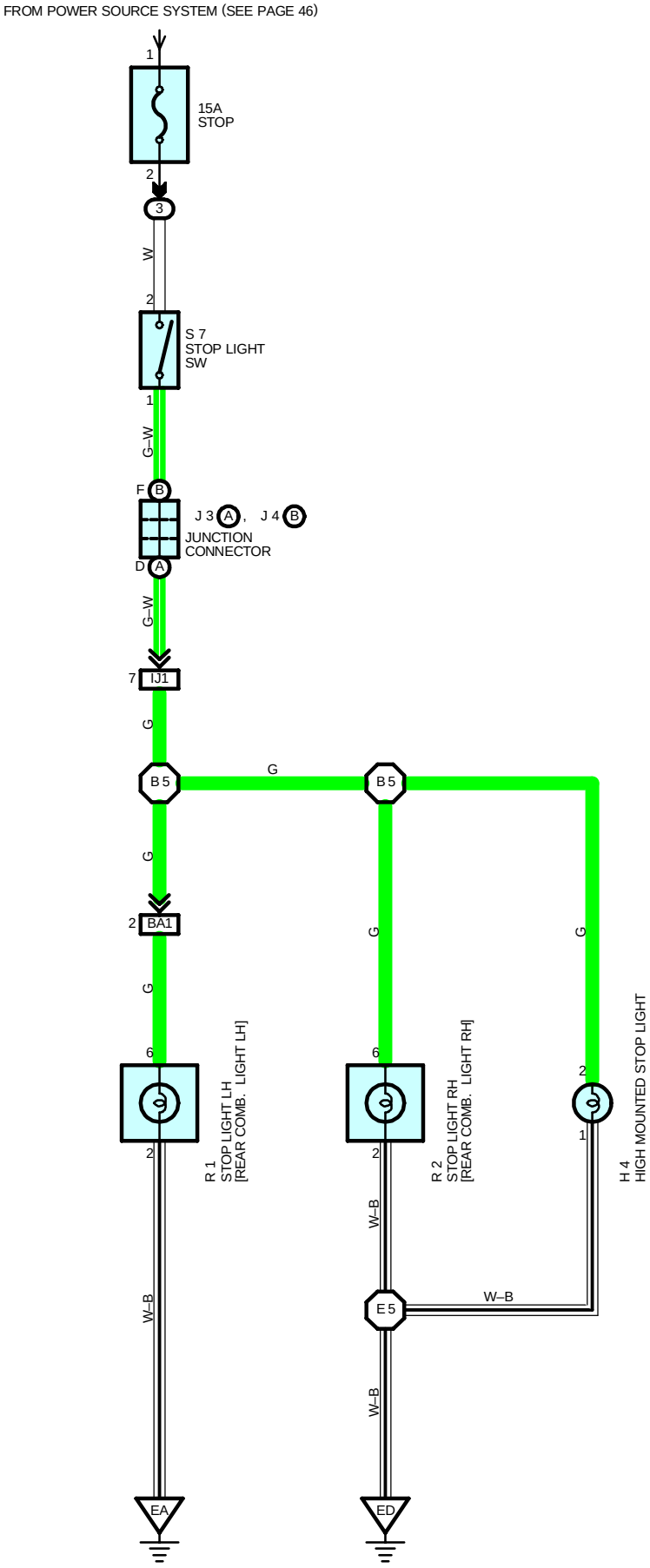
: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
ED	36	Suspension Tower Rear RH
IE	38	Left Kick Panel
IH	38	Right Kick Panel
BI	42	Suspension Tower Front RH
BL	42	Suspension Tower Front LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I9	40	Instrument Panel Wire	I12	40	Instrument Panel Wire

STOP LIGHT


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
15A
STOP
2
3
W
2
S 7
STOP LIGHT
SW
1
G–W
F B
J 3 A , J 4 B
JUNCTION
CONNECTOR
D A
G–W
7 IJ1
G
B 5
G
B 5
G
2 BA1
G
G
G
6
2
R 1
STOP LIGHT LH
[REAR COMB. LIGHT LH]
6
2
R 2
STOP LIGHT RH
[REAR COMB. LIGHT RH]
2
1
H 4
HIGH MOUNTED STOP LIGHT
W–B
W–B
E 5
W–B
W–B
EA
ED

SERVICE HINTS

S7 STOP LIGHT SW

2–1 : Closed with the brake pedal depressed

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H4	30	J4 B	33	R2	31
J3 A	33	R1	31	S7	33

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

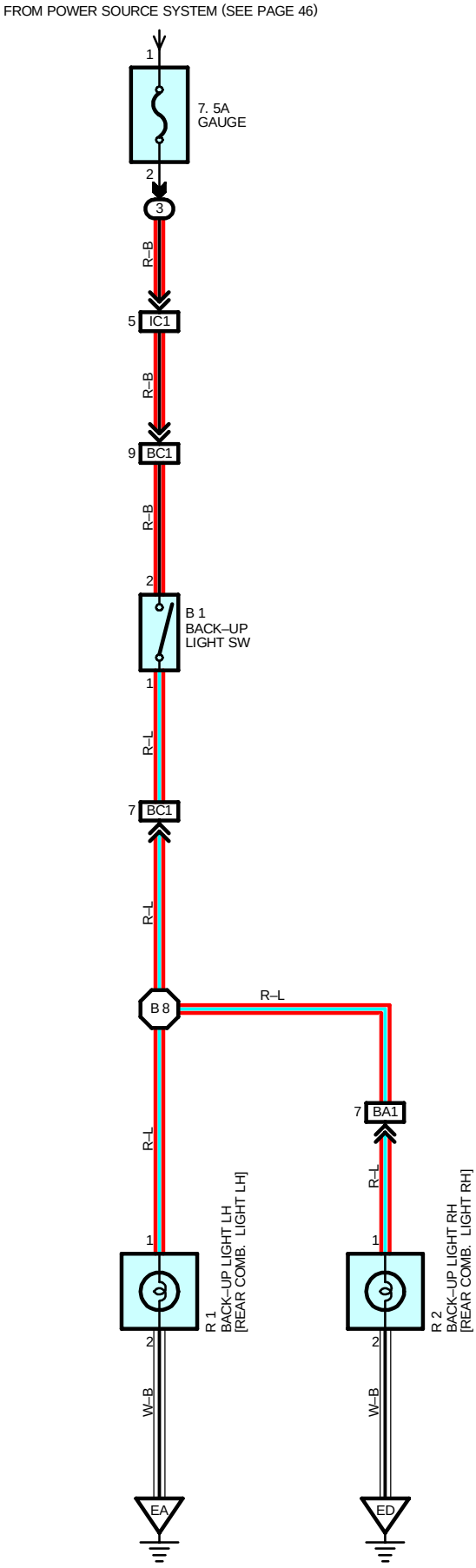
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)
BA1	42	Engine Room Main Wire and Floor Wire (Right Side of Room Partition Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
ED	36	Suspension Tower Rear RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E5	36	Floor Wire	B5	42	Floor Wire


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
7. 5A
GAUGE
2
3
R–B
5
IC1
R–B
9
BC1
R–B
2
B 1
BACK–UP
LIGHT SW
1
R–L
7
BC1
R–L
B 8
R–L
7
BA1
R–L
R–L
1
1
R 1
BACK–UP LIGHT LH
[REAR COMB. LIGHT LH]
R 2
BACK–UP LIGHT RH
[REAR COMB. LIGHT RH]
2
2
W–B
W–B
EA
ED

SERVICE HINTS

B1 BACK–UP LIGHT SW

2–1 : Closed with the shift lever in **R** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B1	30	R1	31	R2	31

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
BA1	42	Engine Room Main Wire and Floor Wire (Right Side of Room Partition Panel)
BC1	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)

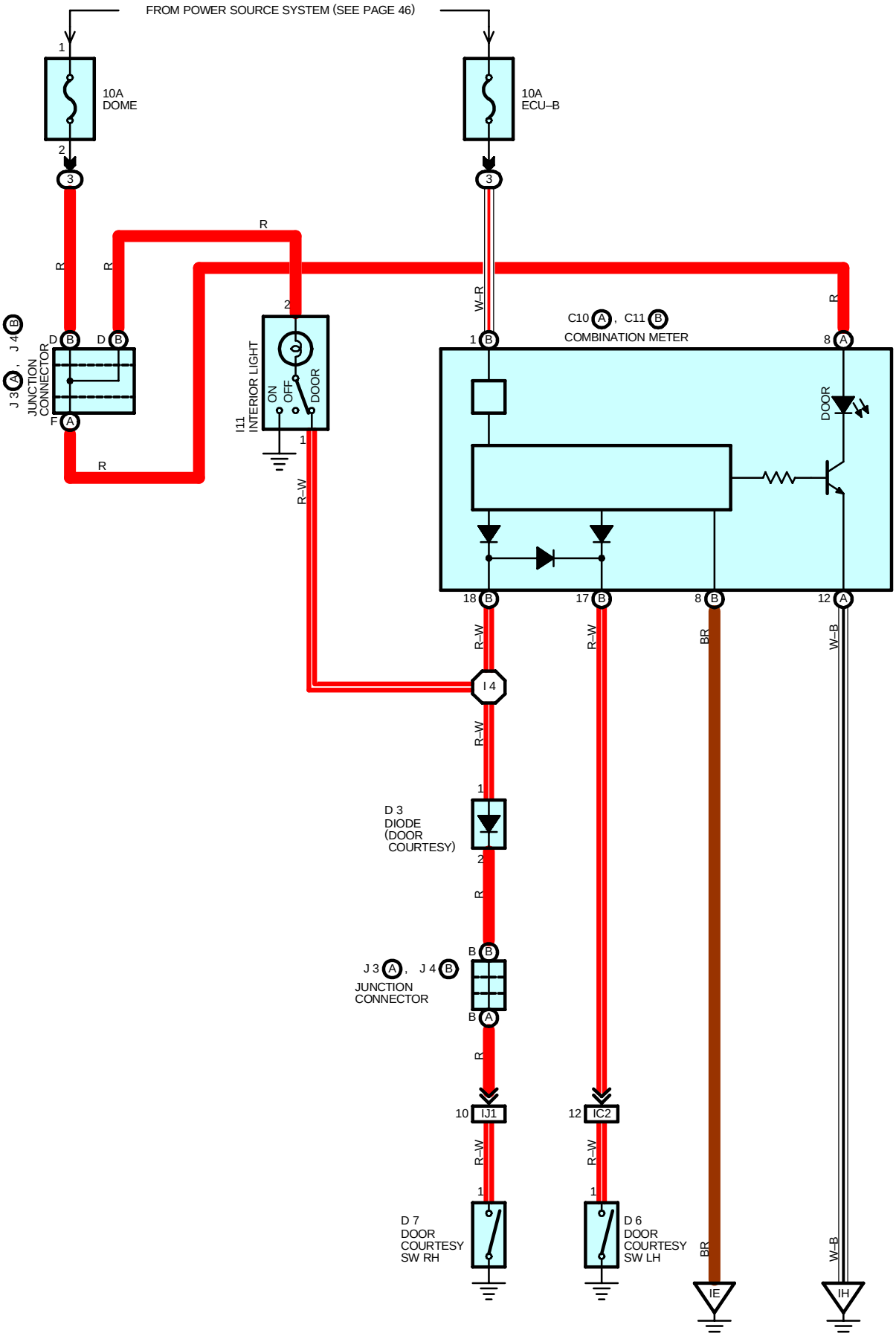
: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
ED	36	Suspension Tower Rear RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B8	42	Engine Room Main Wire			

INTERIOR LIGHT



SERVICE HINTS

I11 INTERIOR LIGHT

2–GROUND : Always approx. **12** volts

D6 DOOR COURTESY SW LH

1–GROUND : Closed with the driver's door open

D7 DOOR COURTESY SW RH

1–GROUND : Closed with the passenger's door open

: PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C10	A	32	D6	34	J3	A	33
C11	B	32	D7	34	J4	B	33
D3		32	I11	35			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

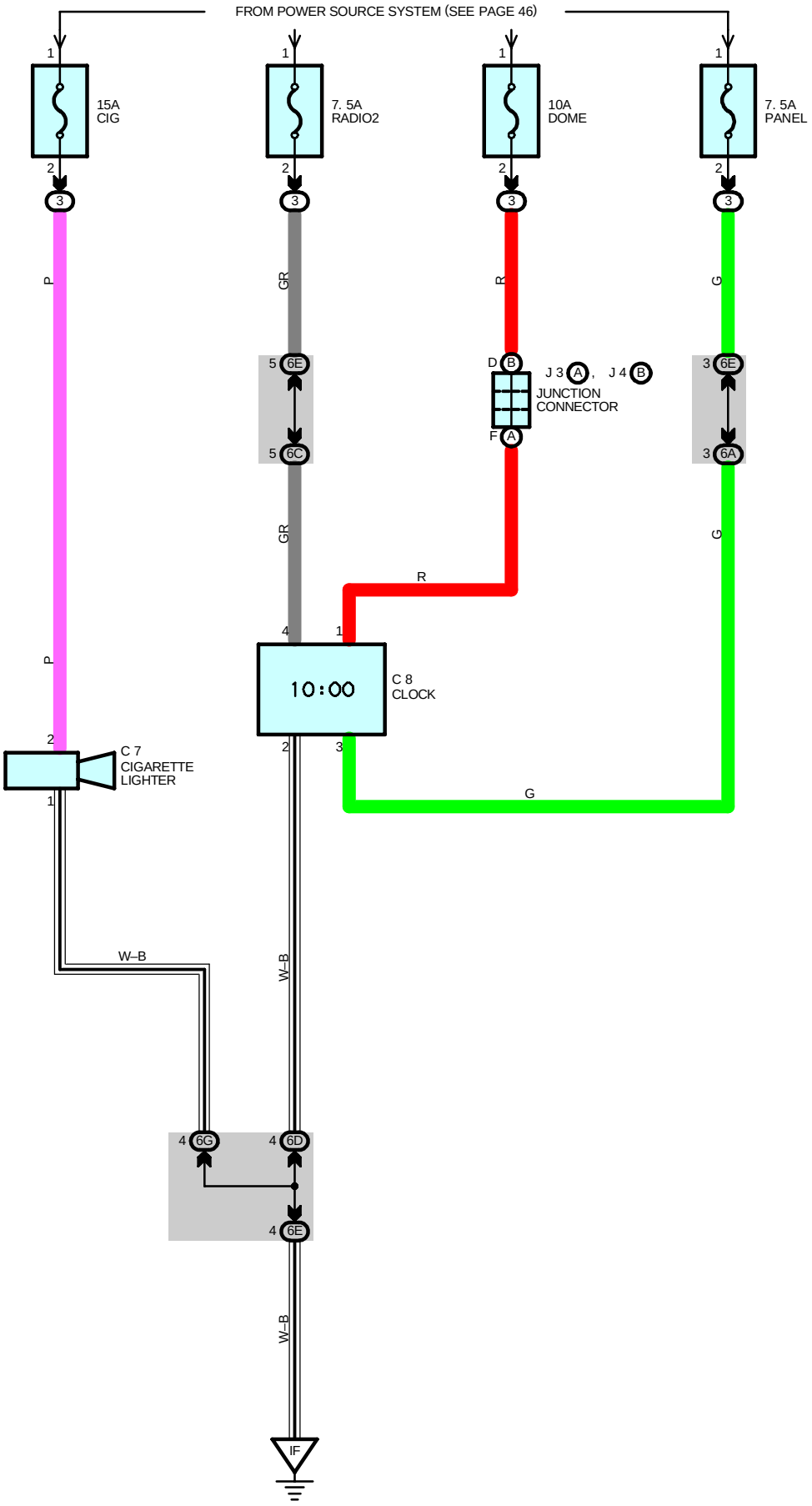
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IH	38	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	40	Instrument Panel Wire			

CIGARETTE LIGHTER AND CLOCK



SERVICE HINTS

C7 CIGARETTE LIGHTER

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

C8 CLOCK

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

: PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
C7	32	J3	A	33		
C8	32	J4	B	33		

: RELAY BLOCKS

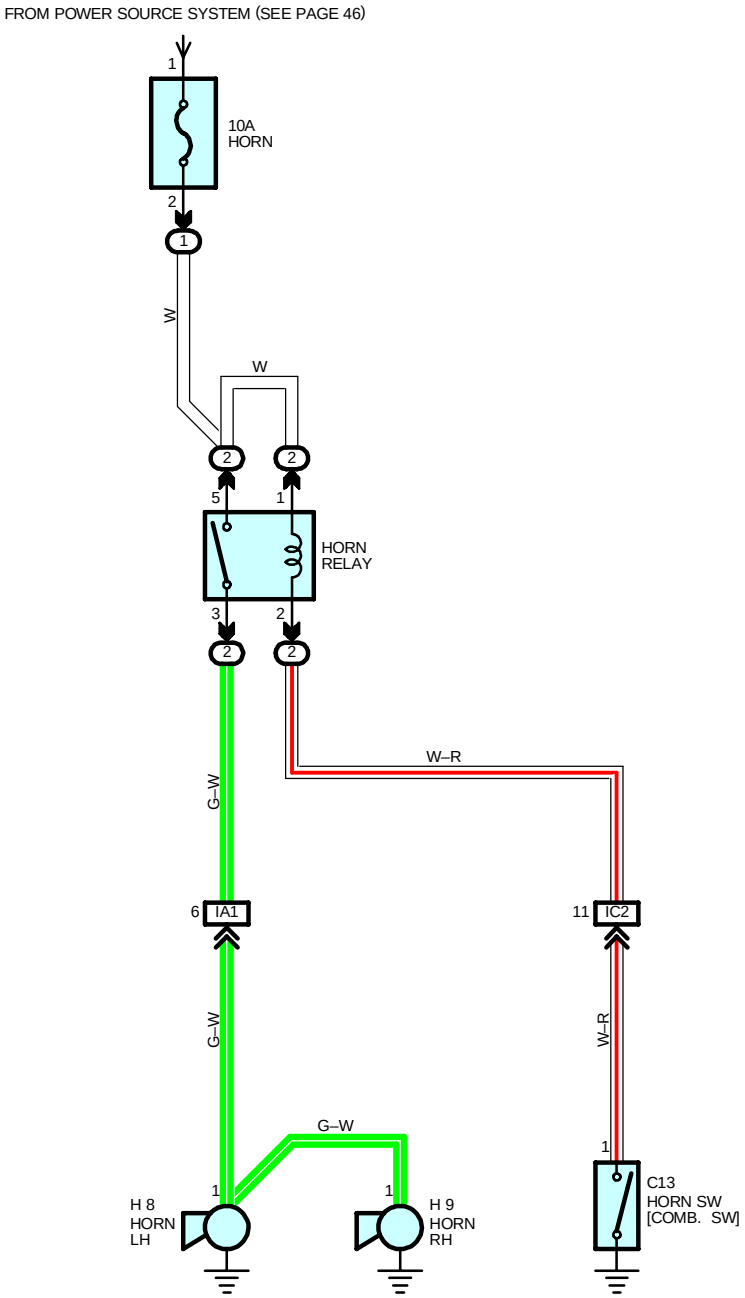
Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6A	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6C		
6D		
6E		
6G		

: GROUND POINTS

Code	See Page	Ground Points Location
IF	38	Instrument Panel Brace LH


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
10A
HORN
2
1
W
W
2
2
5
1
HORN
RELAY
3
2
2
2
W–R
G–W
6
IA1
11
IC2
G–W
W–R
G–W
1
1
1
H 8
HORN
LH
H 9
HORN
RH
C13
HORN SW
[COMB. SW]

SERVICE HINTS

HORN RELAY

5–3 : Closed with the horn SW on

: PARTS LOCATION

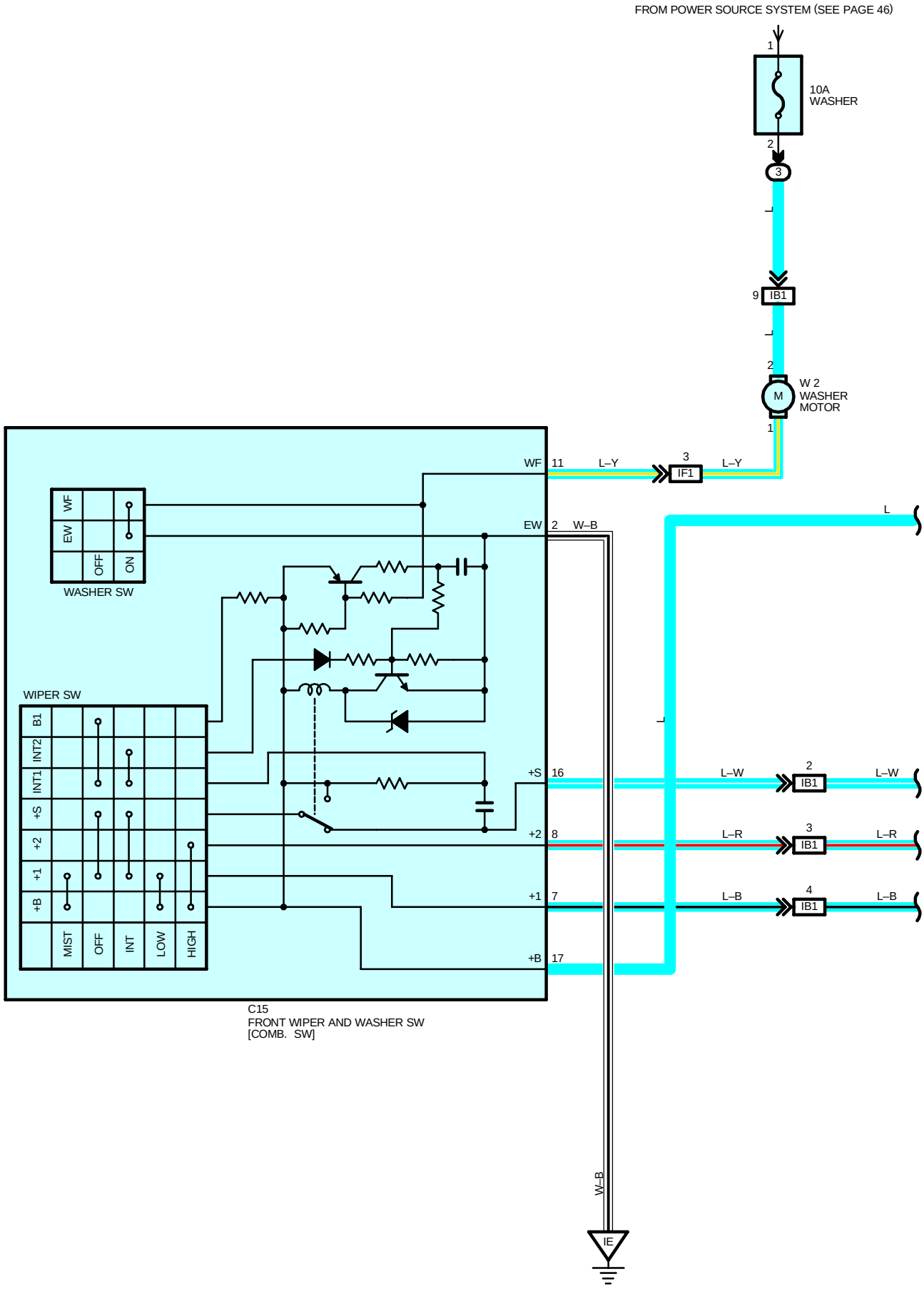
Code	See Page	Code	See Page	Code	See Page
C13	32	H8	35	H9	35

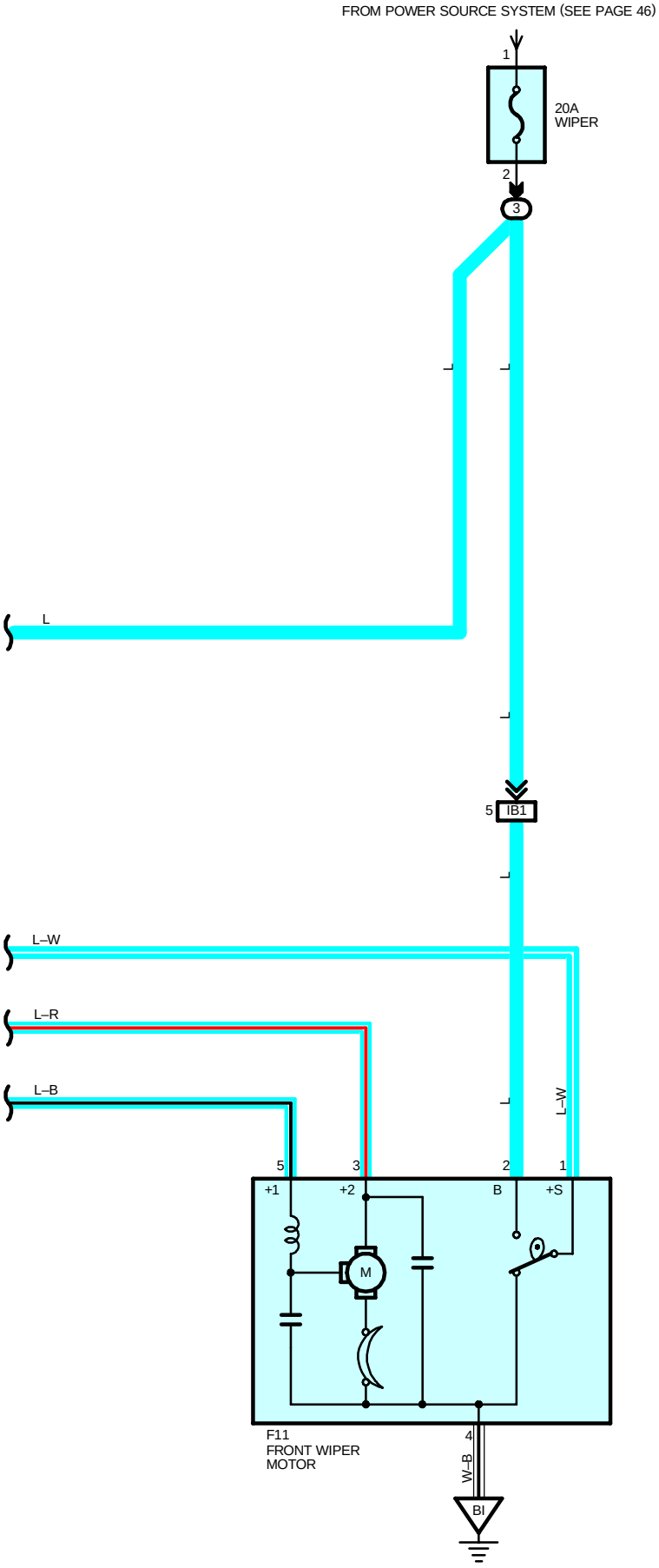
: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
10A
WASHER
2
3
L
9
IB1
2
W 2
WASHER
MOTOR
M
1
WF
11
L–Y
3
IF1
L–Y
EW
2
W–B
L
WF
EW
OFF
ON
WASHER SW
WIPER SW
B1
INT2
INT1
+S
+2
+1
+B
MIST
OFF
INT
LOW
HIGH
+S
16
L–W
2
IB1
L–W
+2
8
L–R
3
IB1
L–R
+1
7
L–B
4
IB1
L–B
+B
17
L
W–B
IE
C15
FRONT WIPER AND WASHER SW
[COMB. SW]


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
20A
WIPER
2
3
L
5
IB1
L–W
L–R
L–B
L–W
5
3
2
1
+1
+2
B
+S
M
F11
FRONT WIPER
MOTOR
4
W–B
BI

WIPER AND WASHER

SYSTEM OUTLINE

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

1. LOW SPEED POSITION

With the wiper SW turned to LOW position, current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 5 of the front wiper motor to TERMINAL 4 to GROUND, causing the front wiper motor to run at low speed.

2. HIGH SPEED POSITION

With the wiper SW turned to HIGH position, current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 8 to TERMINAL 3 of the front wiper motor to TERMINAL 4 to GROUND, causing the front wiper motor to run at high speed.

3. INT POSITION

With the 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 operates the intermittent circuit and current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 5 of the front wiper motor to TERMINAL 4 to GROUND, and operating the wiper.
The intermittent operation is controlled by a condenser's charged and discharged function installed in the relay, and the intermittent time is controlled by a time control SW to change the charging time of the condenser.

4. MIST POSITION

With the wiper SW turned to MIST position, current flows from TERMINAL 17 of the front wiper and washer SW to front wiper mist SW to TERMINAL 2 to GROUND, and current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 5 of the front wiper motor to TERMINAL 4 to GROUND, causing the front wiper motor to run at low speed.

5. WASHER CONTINUOUS OPERATION

With the washer SW pushed to on, 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, causing the washer motor to run, and the window washer emits a water spray. This causes current to flow to washer continuity operation circuit in TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 5 of the front wiper motor to TERMINAL 4 to GROUND, operating the wiper.

SERVICE HINTS

C15 FRONT WIPER AND WASHER SW [COMB. SW]

2–GROUND : Always continuity
17–GROUND : Approx. **12** volts with the ignition SW at **ON** position
7–GROUND : Approx. **12** volts with the wiper and washer SW at **LOW** or **MIST** position
Approx. **12** volts **1.6** to **10.7** seconds intermittently with the wiper and washer SW at **INT** position
15–GROUND : Approx. **12** volts with the ignition SW on unless the wiper motor at **STOP** position
8–GROUND : Approx. **12** volts with the wiper and washer SW at **HIGH** position

F11 FRONT WIPER MOTOR

1–2 : Closed unless the wiper motor at **STOP** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C15	32	F11	34	W2	35

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

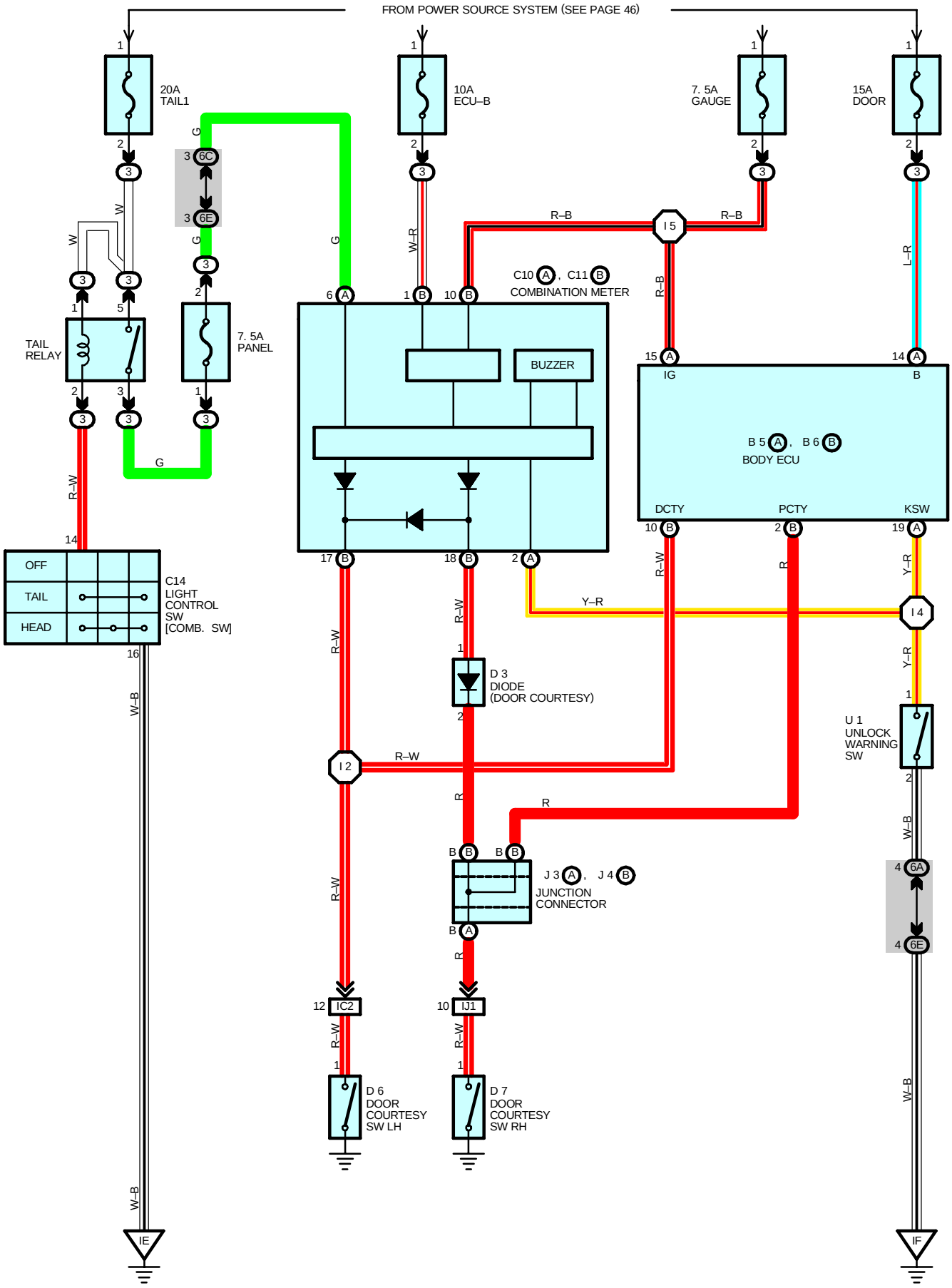
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	38	Luggage Room Wire and Instrument Panel Wire (Left Kick Panel)
IF1	40	Luggage Room Wire and Instrument Panel Wire (Instrument Panel Brace LH)

▽ **: GROUND POINTS**

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
BI	42	Suspension Tower Front RH

LIGHT REMINDER AND KEY REMINDER BUZZER



SYSTEM OUTLINE

1. LIGHT REMINDER SYSTEM

When the ignition SW is OFF and the driver's side door or passenger's side door is opened (Door courtesy SW ON) and the light control SW is at TAIL or HEAD position, the light reminder buzzer comes ON.

2. KEY REMINDER BUZZER SYSTEM

If the driver door is opened with the ignition SW set at the ACC or OFF position and the ignition key remained inserted into the key cylinder (The unlock warning SW is on), the signal from the unlock warning SW is input to TERMINAL KSW of the body ECU and the signal from the door courtesy SW LH is input to TERMINAL DCTY of body ECU. As a result, through communication control of the body ECU etc. the buzzer in the combination meter goes on to warn the driver that the ignition key is still inserted.

SERVICE HINTS

D6 DOOR COURTESY SW LH

1–GROUND : Closed with driver's door open

D7 DOOR COURTESY SW RH

1–GROUND : Closed with the passenger's door open

U1 UNLOCK WARNING SW

2–1 : Closed with the ignition key in the cylinder

: PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
B5	A	32	C14	32	J3	A	33
B6	B	32	D3	32	J4	B	33
C10	A	32	D6	34	U1		33
C11	B	32	D7	34			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6A	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6C		
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

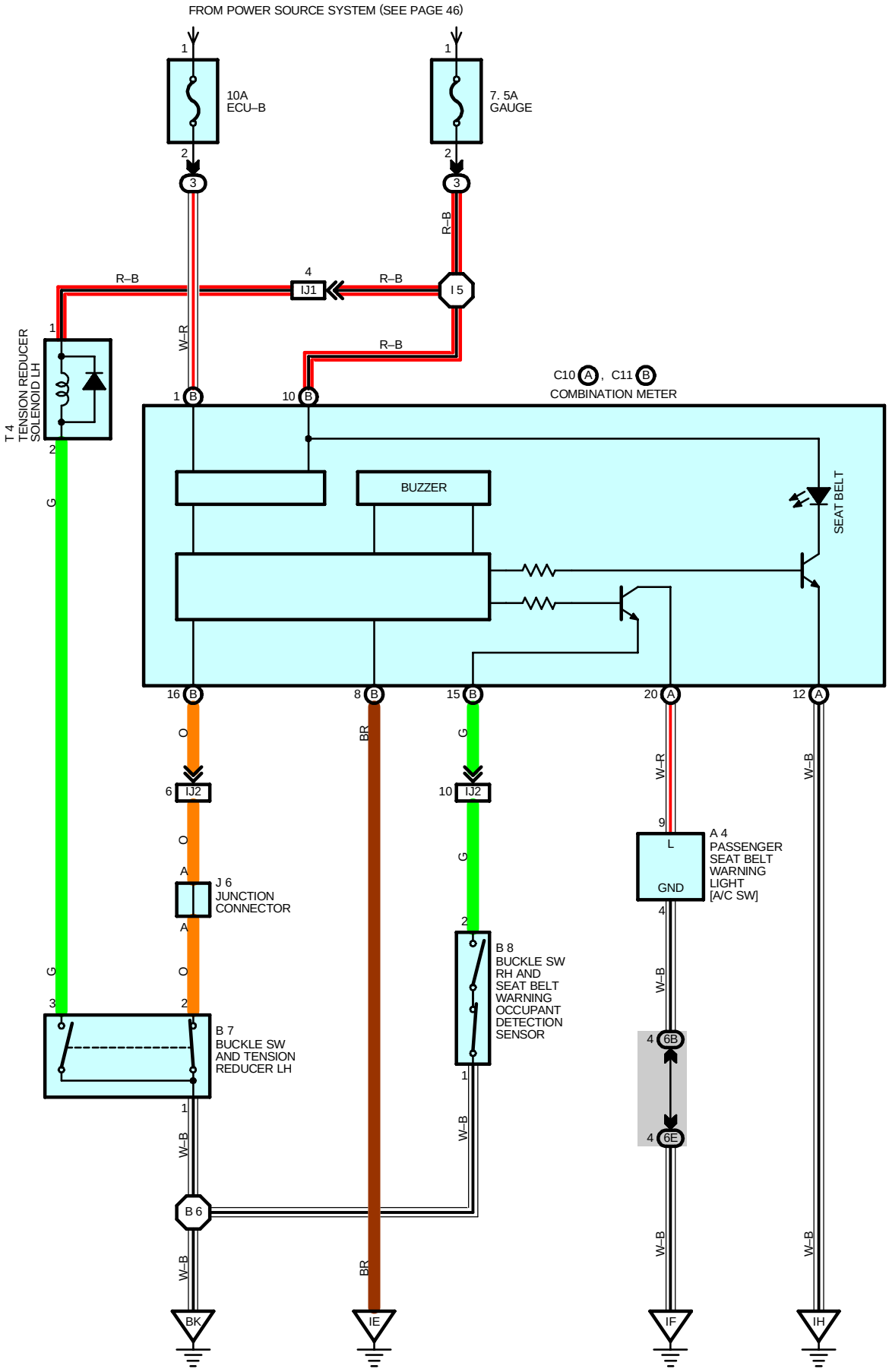
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	40	Instrument Panel Wire	I5	40	Instrument Panel Wire
I4					

SEAT BELT WARNING AND ELECTRIC TENSION REDUCER



SYSTEM OUTLINE

Current is always applied from the ECU–B fuse to comb. meter TERMINAL (B) 1.

SEAT BELT WARNING SYSTEM

When the ignition SW is turned on, the current flows from the GAUGE Fuse to comb. meter TERMINAL (B) 10. At this time, to determine whether the driver is wearing the seat belt or not, a signal is input from the buckle SW (Driver side) to comb. meter TERMINAL (A) 12. If the driver is not wearing the seat belt, the seat belt warning light in the comb. meter flashes and buzzer to inform the driver. Also, a sensor installed in the front passenger seat determines whether there is a passenger seated, and whether the seat belt is worn or not. If the seat belt is not worn, the signal from the buckle SW (Passenger side) and the sensor is input to the comb. meter TERMINAL (B) 15, and the current flows from comb. meter TERMINAL (A) 20 to passenger seat belt warning light TERMINAL 9 to TERMINAL 4 to GROUND, and the light flashes to inform.

SERVICE HINTS

B7 BUCKLE SW AND TENSION REDUCER LH

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

B8 BUCKLE SW RH AND SEAT BELT WARNING OCCUPANT DETECTION SENSOR

1–2 : Open with passenger's seat belt in use

C10 (A), C11 (B) COMBINATION METER

(A)12, (B) 8–GROUND : Always continuity
(B)15–GROUND : Continuity with the passenger's door open
(B) 1–GROUND : Always approx. **12** volts
(B)10–GROUND : Approx. **12** volts with the ignition SW at **ON** position

T4 TENSION REDUCER SOLENOID LH

1–GROUND : Approx. **12** volts with the ignition SW at **ON** position

: PARTS LOCATION

Code	See Page	Code		See Page	Code	See Page
A4	32	C10	A	32	T4	35
B7	32	C11	B	32		
B8	32	J6		35		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6B	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

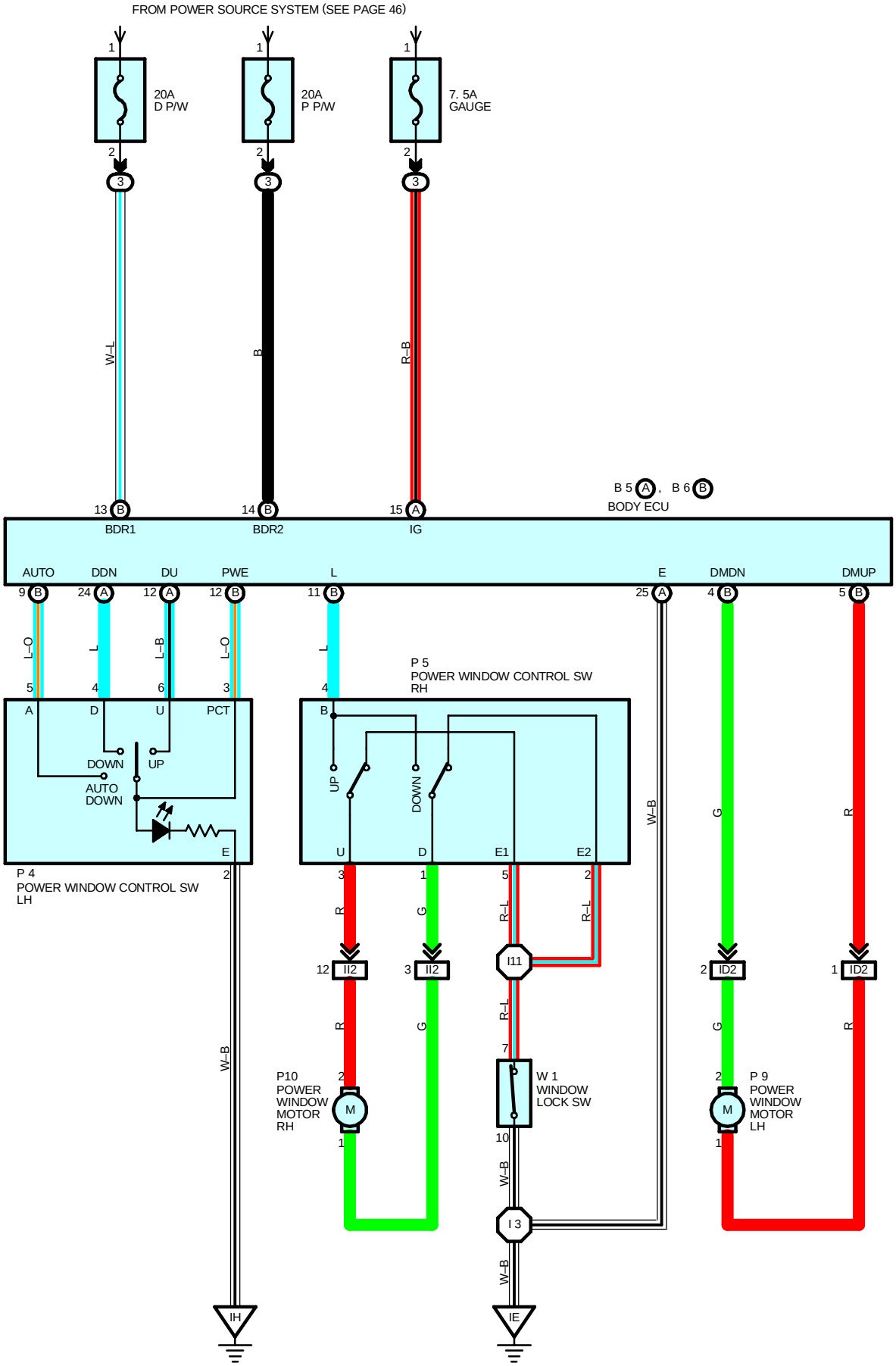
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)
IJ2		

: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IH	38	Right Kick Panel
BK	42	Under the Center Pillar RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	40	Instrument Panel Wire	B6	42	Floor Wire


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
20A
D P/W
20A
P P/W
7. 5A
GAUGE
W–L
B
R–B
BDR1
BDR2
IG
B 5 A , B 6 B
BODY ECU
AUTO
DDN
DU
PWE
L
E
DMDN
DMUP
L–O
L
L–B
L–O
L
W–B
G
R
P 4
POWER WINDOW CONTROL SW
LH
DOWN
UP
AUTO
DOWN
P 5
POWER WINDOW CONTROL SW
RH
UP
DOWN
P10
POWER
WINDOW
MOTOR
RH
W 1
WINDOW
LOCK SW
P 9
POWER
WINDOW
MOTOR
LH
I11
I 3
IH
IE

SYSTEM OUTLINE

1. MANUAL DOWN OR UP OPERATION

When the power window control SW (Driver's side) is pushed one step, the motor rotates, and the driver's side power window is opened while the switch is being pushed.
When the power window control SW (Driver's side) is pulled up one step, the motor rotates to the opposite direction from open operation, and the driver's side power window is closed while the switch is being pulled up.
The passenger side window opens/closes similarly by operating the power window control switch (Passenger side).

2. AUTO DOWN OPERATION

When the power window control SW (Driver side) is pushed two steps, the motor rotates and the driver's side window will open automatically.

SERVICE HINTS

P4 POWER WINDOW CONTROL SW LH

2–GROUND : Always continuity
5–2 : Closed with the power window control SW at **AUTO DOWN** position
4–2 : Closed with the power window control SW at **DOWN** position
6–2 : Closed with the power window control SW at **UP** position

P5 POWER WINDOW CONTROL SW RH

4–1 : Closed with the power window control SW at **DOWN** position
4–3 : Closed with the power window control SW at **UP** position

W1 WINDOW LOCK SW

7–10 : Open with the window lock SW at **LOCK** position

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
B5	A	32	P5	33	W1	33
B6	B	32	P9	35		
P4		33	P10	35		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID2	38	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
II2	40	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)

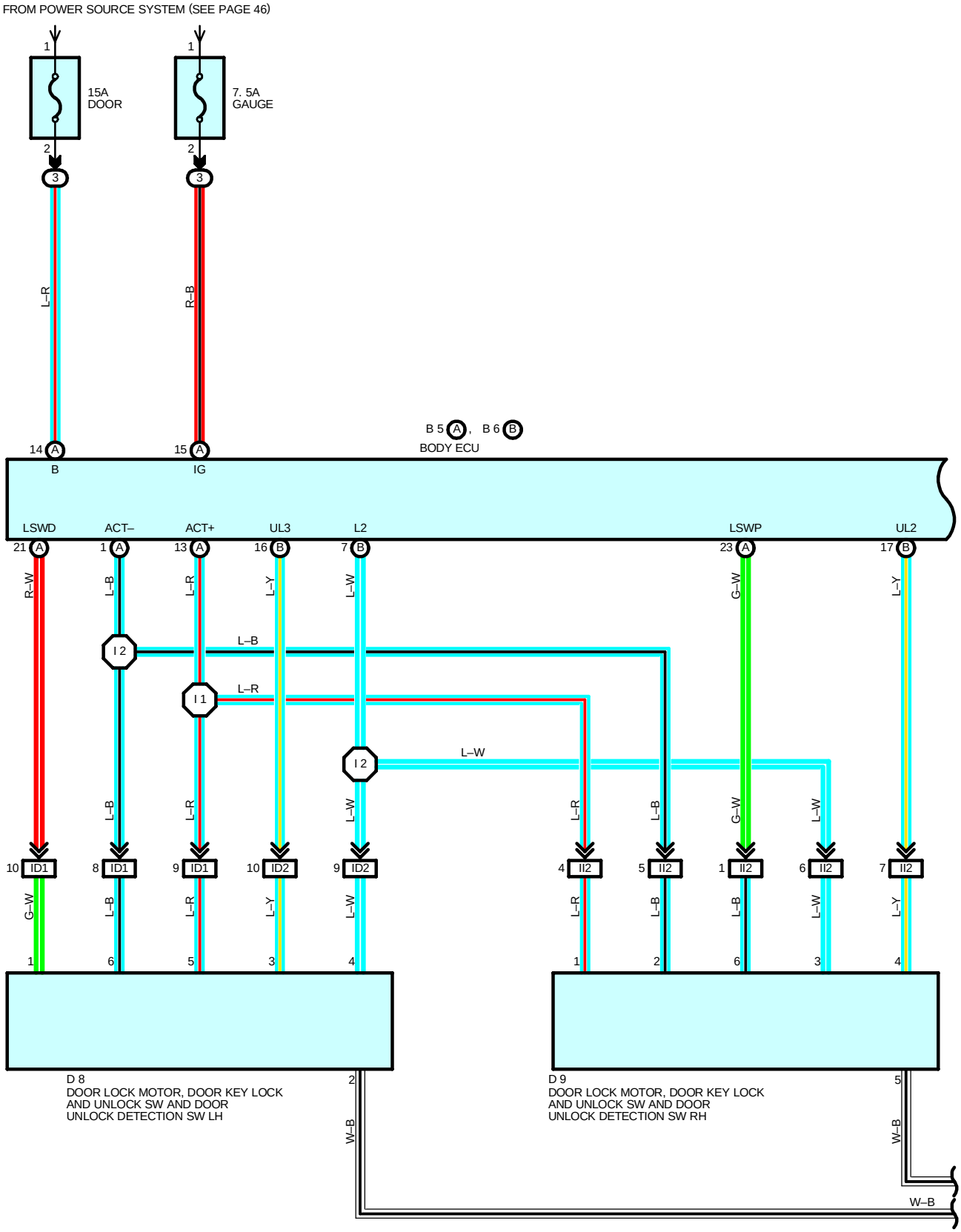
: GROUND POINTS

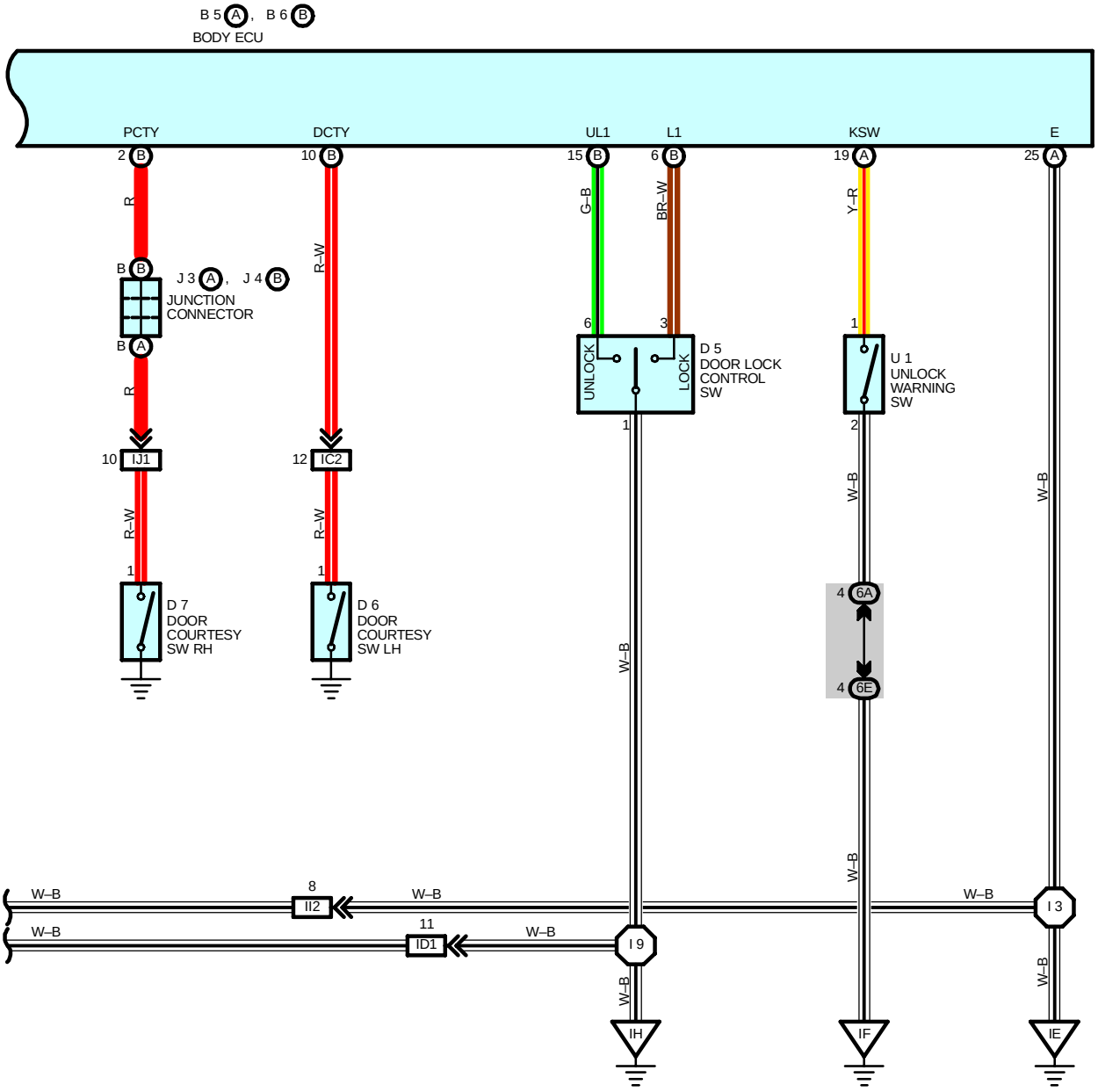
Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IH	38	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	40	Instrument Panel Wire	I11	40	Instrument Panel Wire

DOOR LOCK CONTROL




B 5 A , B 6 B
BODY ECU
PCTY
DCTY
UL1
L1
KSW
E
2 B
10 B
15 B
6 B
19 A
25 A
R
R–W
G–B
BR–W
Y–R
B B
J 3 A , J 4 B
JUNCTION CONNECTOR
B A
6
3
1
UNLOCK
LOCK
D 5 DOOR LOCK CONTROL SW
U 1 UNLOCK WARNING SW
10 IJ1
12 IC2
2
W–B
1
D 7 DOOR COURTESY SW RH
D 6 DOOR COURTESY SW LH
4 6A
4 6E
W–B
8
II2
11
ID1
I 9
I 3
IH
IF
IE

DOOR LOCK CONTROL

SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW of the driver's or passenger's side door is pushed to UNLOCK, the door lock will unlock.

2. MANUAL LOCK OPERATION

When the door lock control SW of the driver's or passenger's side door is pushed to LOCK, the door lock will lock.

3. DOOR KEY UNLOCK OPERATION

Unlock operation from driver's side door
When the driver's side door is unlocked once using the ignition key, only the driver's side door is unlocked. If this operation is repeated within 3 seconds, all the other doors are unlocked.
Unlock operation from front passenger's side door
When the passenger's side door is unlocked using the ignition key, all the other doors are unlocked, too.

4. DOOR KEY LOCK OPERATION

Lock operation from driver's side door
When the driver's side door is locked using the ignition key, all the other doors are locked.
Lock operation from front passenger's side door
When the passenger's side door is locked using the ignition key, all the other doors are locked, too.

5. IGNITION KEY REMINDER OPERATION

When the door lock operation is made using the door knob with the ignition key remained inserted in the key cylinder and the door open, unlock operation is automatically made. Additionally, if lock operation is made with the door lock control SW or door key lock and unlock SW, unlock operation is automatically made after the lock operation has been completed.

SERVICE HINTS

D6, D7 DOOR COURTESY SW LH, RH

1–GROUND : Closed with door open

D5 DOOR LOCK CONTROL SW

3–1 : Closed with **LOCK** position
6–1 : Closed with **UNLOCK** position

D8 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR UNLOCK DETECTION SW LH

5–GROUND : Approx. **12** volts with door lock motor at lock operate
6–GROUND : Approx. **12** volts with door lock motor at unlock operate
4–2 : Closed with door lock cylinder locked with key
3–2 : Closed with door lock cylinder unlocked with key

D9 DOOR LOCK MOTOR, DOOR KEY LOCK AND UNLOCK SW AND DOOR UNLOCK DETECTION SW RH

1–GROUND : Approx. **12** volts with door lock motor at lock operate
2–GROUND : Approx. **12** volts with door lock motor at unlock operate
3–5 : Closed with door lock cylinder locked with key
4–5 : Closed with door lock cylinder unlocked with key

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	32	D7	34	J4 B	33
B6 B	32	D8	34	U1	33
D5	32	D9	34		
D6	34	J3 A	33		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6A	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
ID1	38	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
ID2		
II2	40	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

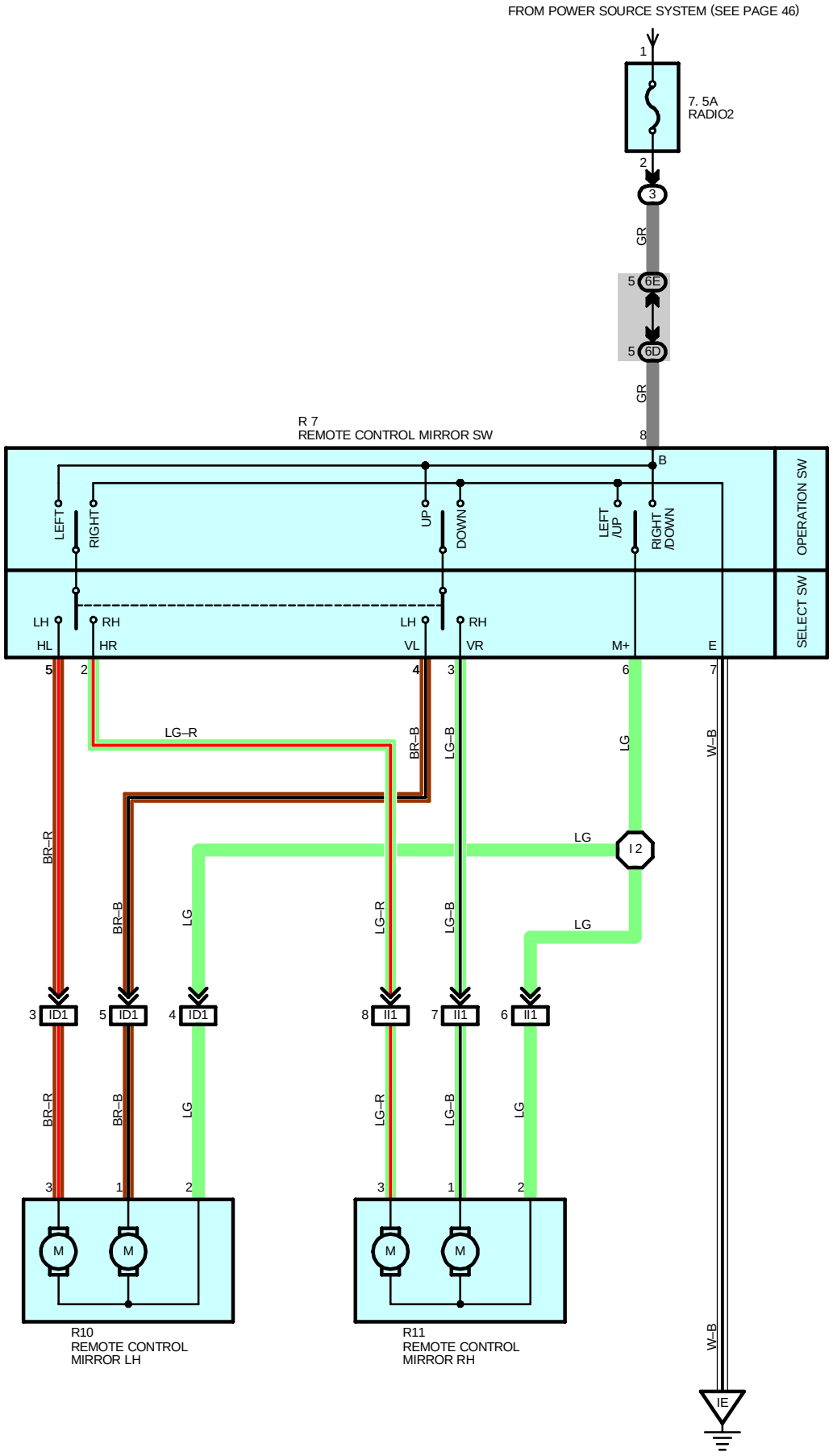
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IH	38	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	40	Instrument Panel Wire	I3	40	Instrument Panel Wire
I2			I9		

REMOTE CONTROL MIRROR



SERVICE HINTS

R7 REMOTE CONTROL MIRROR SW

8–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
6–7 : Continuity with the operation SW at **UP** or **LEFT** position
5–7 : Continuity with the operation SW at **RIGHT** position and the select SW at **LH** position
4–7 : Continuity with the operation SW at **DOWN** position and the select SW at **LH** position
2–7 : Continuity with the operation SW at **RIGHT** position and the select SW at **RH** position
3–7 : Continuity with the operation SW at **DOWN** position and the select SW at **RH** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
R7	33	R10	35	R11	35

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6D	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

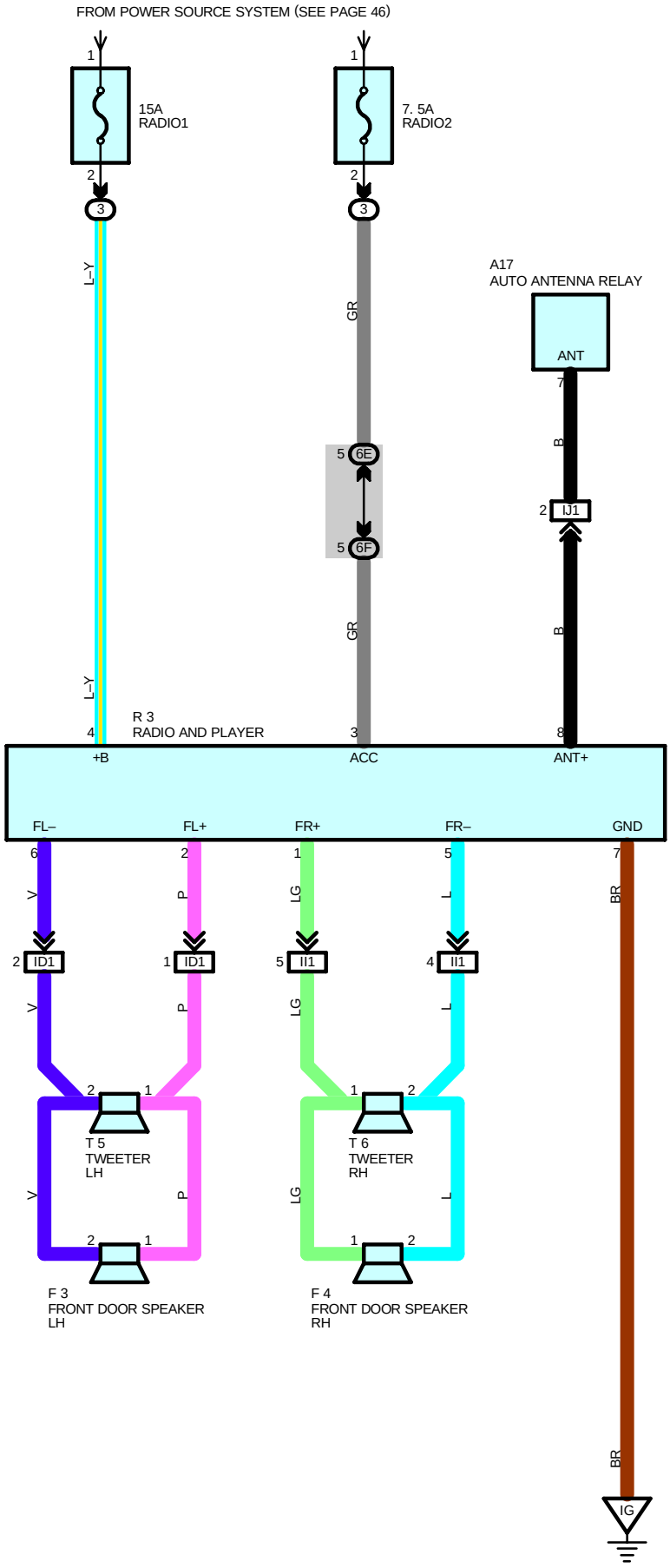
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	38	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
II1	40	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	40	Instrument Panel Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
15A
RADIO1
7. 5A
RADIO2
A17
AUTO ANTENNA RELAY
ANT
L_Y
GR
B
6E
6F
IJ1
R 3
RADIO AND PLAYER
+B
ACC
ANT+
FL–
FL+
FR+
FR–
GND
V
P
LG
L
BR
ID1
II1
T 5
TWEETER
LH
T 6
TWEETER
RH
F 3
FRONT DOOR SPEAKER
LH
F 4
FRONT DOOR SPEAKER
RH
IG

SERVICE HINTS

R3 RADIO AND PLAYER

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A17	34	F4	34	T5	35
F3	34	R3	33	T6	35

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6F		

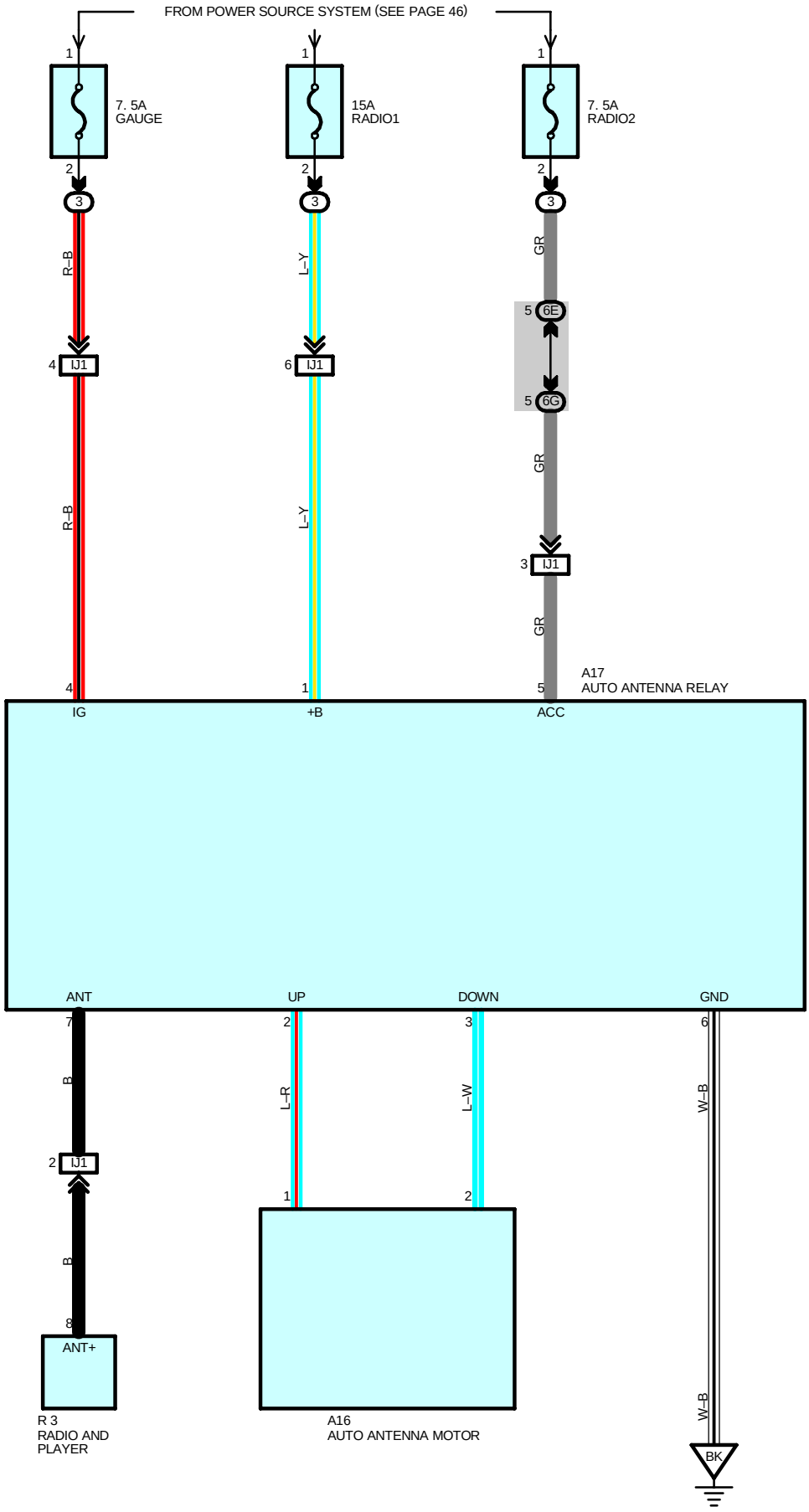
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	38	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
II1	40	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
IG	38	Instrument Panel Brace RH

AUTO ANTENNA



SERVICE HINTS

A17 AUTO ANTENNA RELAY

4–GROUND : Approx. **12** volts with the ignition SW at **ON** position
1–GROUND : Always approx. **12** volts
5–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
6–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A16	34	A17	34	R3	33

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6G		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

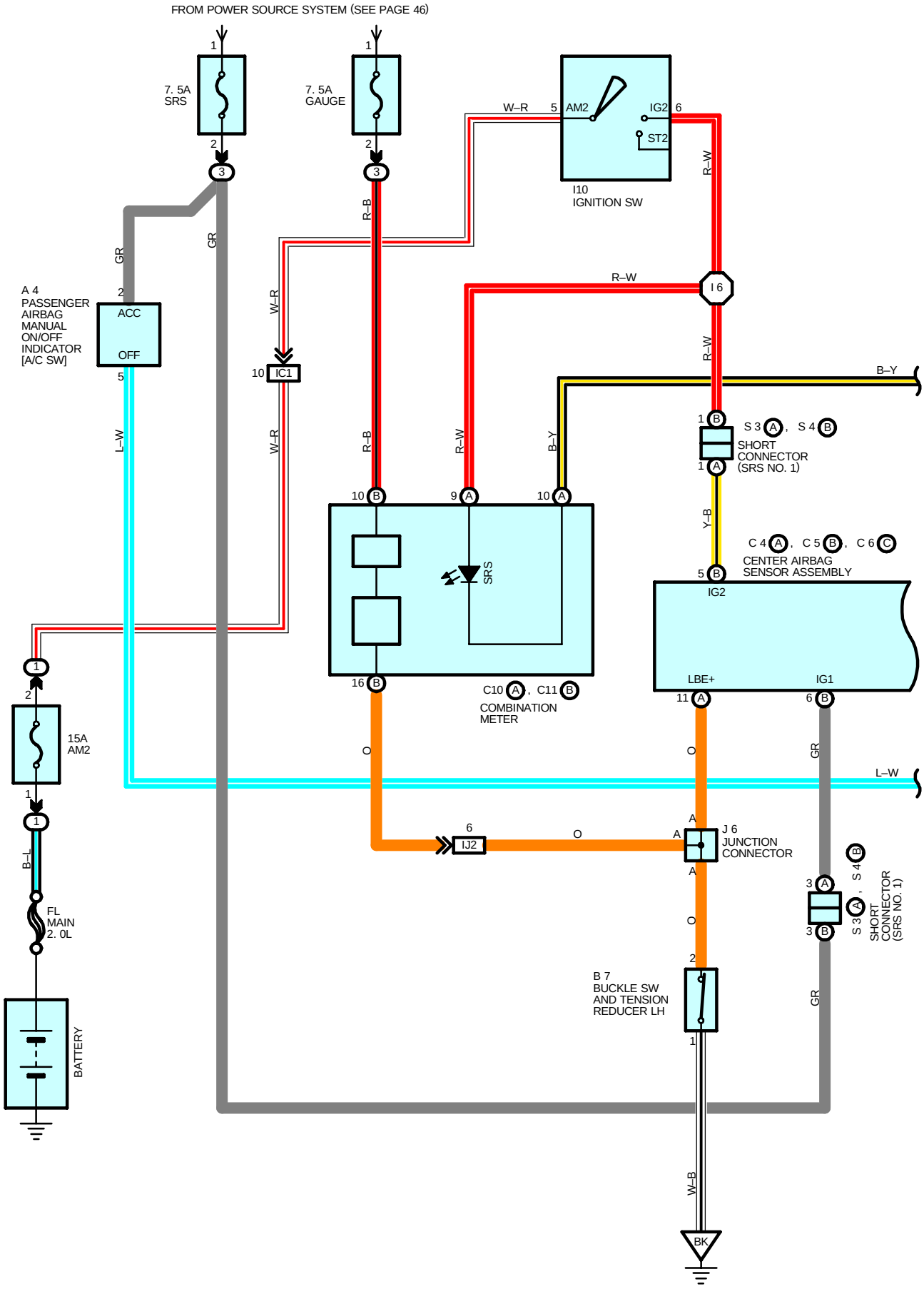
: GROUND POINTS

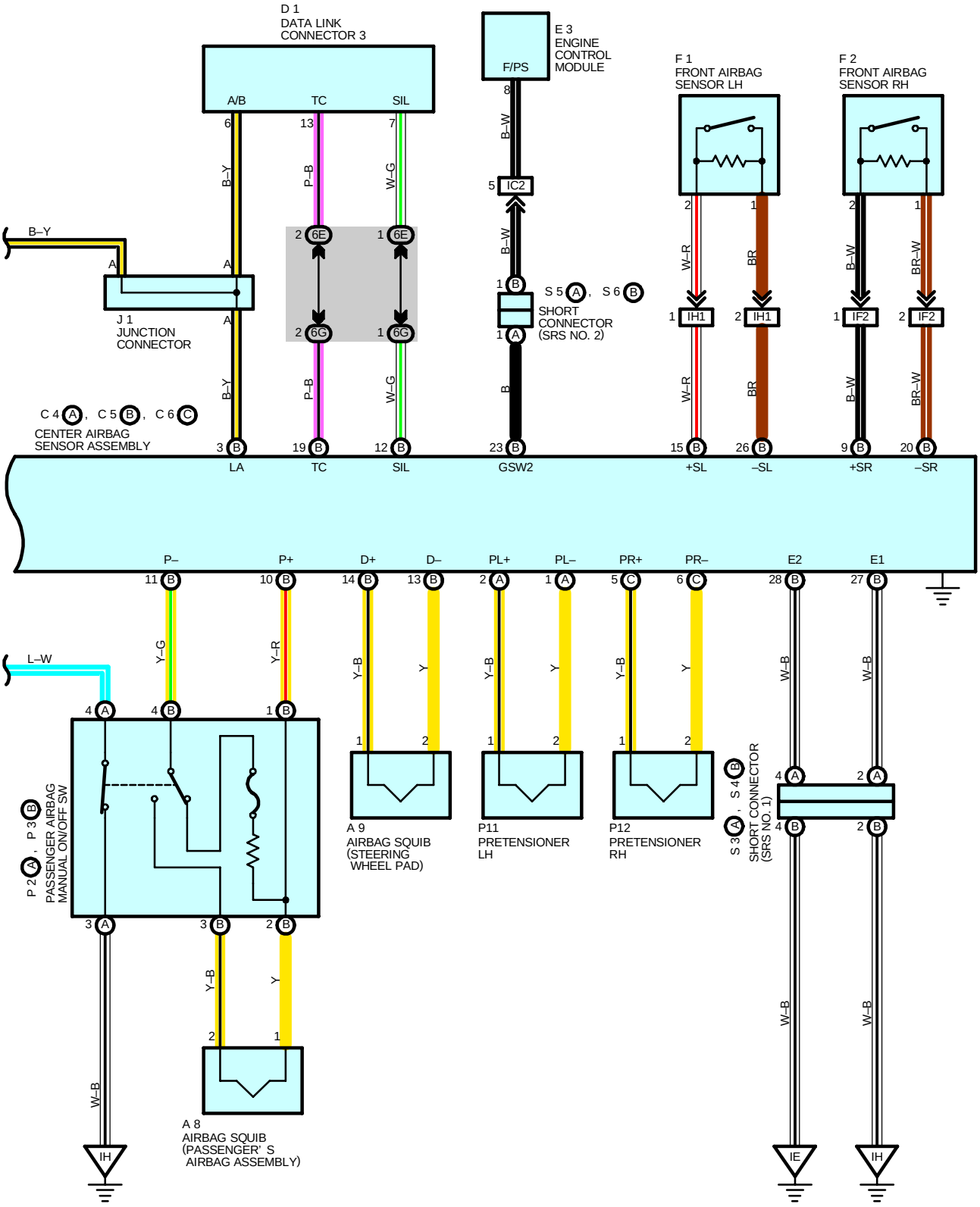
Code	See Page	Ground Points Location
BK	42	Under the Center Pillar RH

MEMO

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, passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front 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, passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front 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, passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly in order to reuse it.
- If the steering wheel pad, passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
7. 5A
SRS
7. 5A
GAUGE
W–R
5 AM2
IG2 6
ST2
I10
IGNITION SW
R–W
R–B
GR
A 4
PASSENGER
AIRBAG
MANUAL
ON/OFF
INDICATOR
[A/C SW]
ACC
OFF
W–R
10 IC1
I 6
B–Y
S 3 A , S 4 B
SHORT
CONNECTOR
(SRS NO. 1)
L–W
Y–B
C 4 A , C 5 B , C 6 C
CENTER AIRBAG
SENSOR ASSEMBLY
IG2
SRS
C10 A , C11 B
COMBINATION
METER
LBE+
IG1
15A
AM2
O
GR
L–W
IJ2
J 6
JUNCTION
CONNECTOR
B–L
FL
MAIN
2. 0L
BATTERY
B 7
BUCKLE SW
AND TENSION
REDUCER LH
W–B
BK


D 1
DATA LINK
CONNECTOR 3
A/B
TC
SIL
E 3
ENGINE
CONTROL
MODULE
F/PS
F 1
FRONT AIRBAG
SENSOR LH
F 2
FRONT AIRBAG
SENSOR RH
IC2
B–Y
B–W
P–B
W–G
W–R
BR
BR–W
J 1
JUNCTION
CONNECTOR
S 5 , S 6
SHORT
CONNECTOR
(SRS NO. 2)
C 4 , C 5 , C 6
CENTER AIRBAG
SENSOR ASSEMBLY
IH1
IF2
LA
TC
SIL
GSW2
+SL
–SL
+SR
–SR
P–
P+
D+
D–
PL+
PL–
PR+
PR–
E2
E1
L–W
Y–G
Y–R
Y–B
Y
W–B
P 2 , P 3
PASSENGER AIRBAG
MANUAL ON/OFF SW
A 9
AIRBAG SQUIB
(STEERING
WHEEL PAD)
P11
PRETENSIONER
LH
P12
PRETENSIONER
RH
S 3 , S 4
SHORT CONNECTOR
(SRS NO. 1)
A 8
AIRBAG SQUIB
(PASSENGER' S
AIRBAG ASSEMBLY)
IH
IE

SRS

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, the current from the SRS fuse flows to the center airbag sensor assembly TERMINAL (B) 6. Only when the ignition SW is ON does the current from the IGN fuse flow to center airbag sensor assembly TERMINAL (B) 5.

In case an accident occurs while driving, when the frontal impact exceeds a predetermined level, the current from the center airbag sensor assembly TERMINAL (B) 14 to airbag squibs TERMINAL 1 to TERMINAL 2 to center airbag sensor assembly TERMINAL (B) 13 to TERMINAL (B) 27, (B) 28 to GROUND or BODY GROUND. The current flows to the airbag squibs, and the airbag stored in the steering wheel is expanded instantaneously to reduce the impact to the driver.

As for the passenger side seat, if the passenger airbag manual ON/OFF SW is on, the current flows from the center airbag sensor assembly TERMINAL (B) 10 to passenger airbag manual SW ON/OFF SW TERMINAL (B) 1 to TERMINAL (B) 2 to airbag squibs TERMINAL 2 to TERMINAL 1 to passenger airbag manual SW ON/OFF SW TERMINAL (B) 3 to TERMINAL (B) 4 to center airbag sensor assembly TERMINAL (B) 11 to TERMINAL (B) 27, (B) 28 to GROUND or BODY GROUND.

The airbag stored in the front passenger's instrument panel is expanded instantaneously to reduce the impact to the front passenger.

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A4	32	C11 B	32	P2 A	33
A8	32	D1	32	P3 B	33
A9	32	E3	34	P11	35
B7	32	F1	34	P12	35
C4 A	32	F2	34	S3 A	33
C5 B	32	I10	33	S4 B	33
C6 C	32	J1	33	S5 A	33
C10 A	32	J6	35	S6 B	33

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6G		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

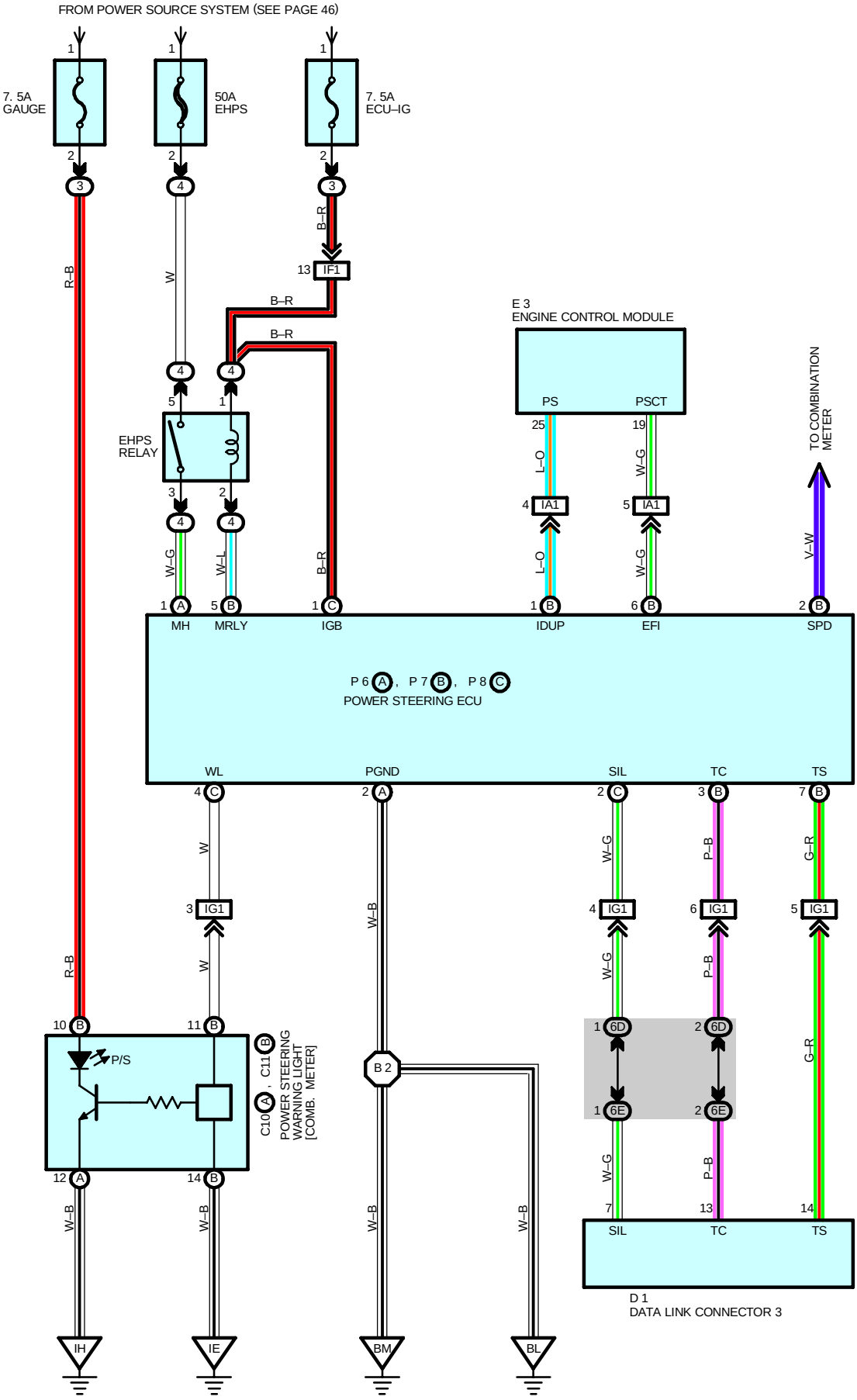
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC2		
IF2	40	Luggage Room Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IH1	40	Instrument Panel Wire and Luggage Room Wire (Under the Instrument Panel Center)
IJ2	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IH	38	Right Kick Panel
BK	42	Under the Center Pillar RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	40	Instrument Panel Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
7. 5A GAUGE
50A EHPS
7. 5A ECU–IG
R–B
W
B–R
IF1
EHPS RELAY
E 3
ENGINE CONTROL MODULE
PS
PSCT
L–O
W–G
IA1
TO COMBINATION METER
V–W
W–L
MH
MRLY
IGB
IDUP
EFI
SPD
P 6 A , P 7 B , P 8 C
POWER STEERING ECU
WL
PGND
SIL
TC
TS
IG1
P/S
C10 A , C11 B
POWER STEERING WARNING LIGHT [COMB. METER]
B 2
6D
6E
D 1
DATA LINK CONNECTOR 3
IH
IE
BM
BL

SYSTEM OUTLINE

EHPS (Electro hydraulic power steering) controls the pump motor at the appropriately, according to the power steering load condition, by monitoring the speed signal from the combination meter and the signals from the engine control module.
When the power steering load is high, idle up signal is output to the engine control module.

SERVICE HINTS

P6 (A), P7 (B), P8 (C) POWER STEERING ECU

(C) 1–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A) 2–GROUND : Always continuity

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	A	32	E3		34	P8	C	35
C11	B	32	P6	A	35			
D1		32	P7	B	35			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)
4	25	R/B No.4 (Front Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6D	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

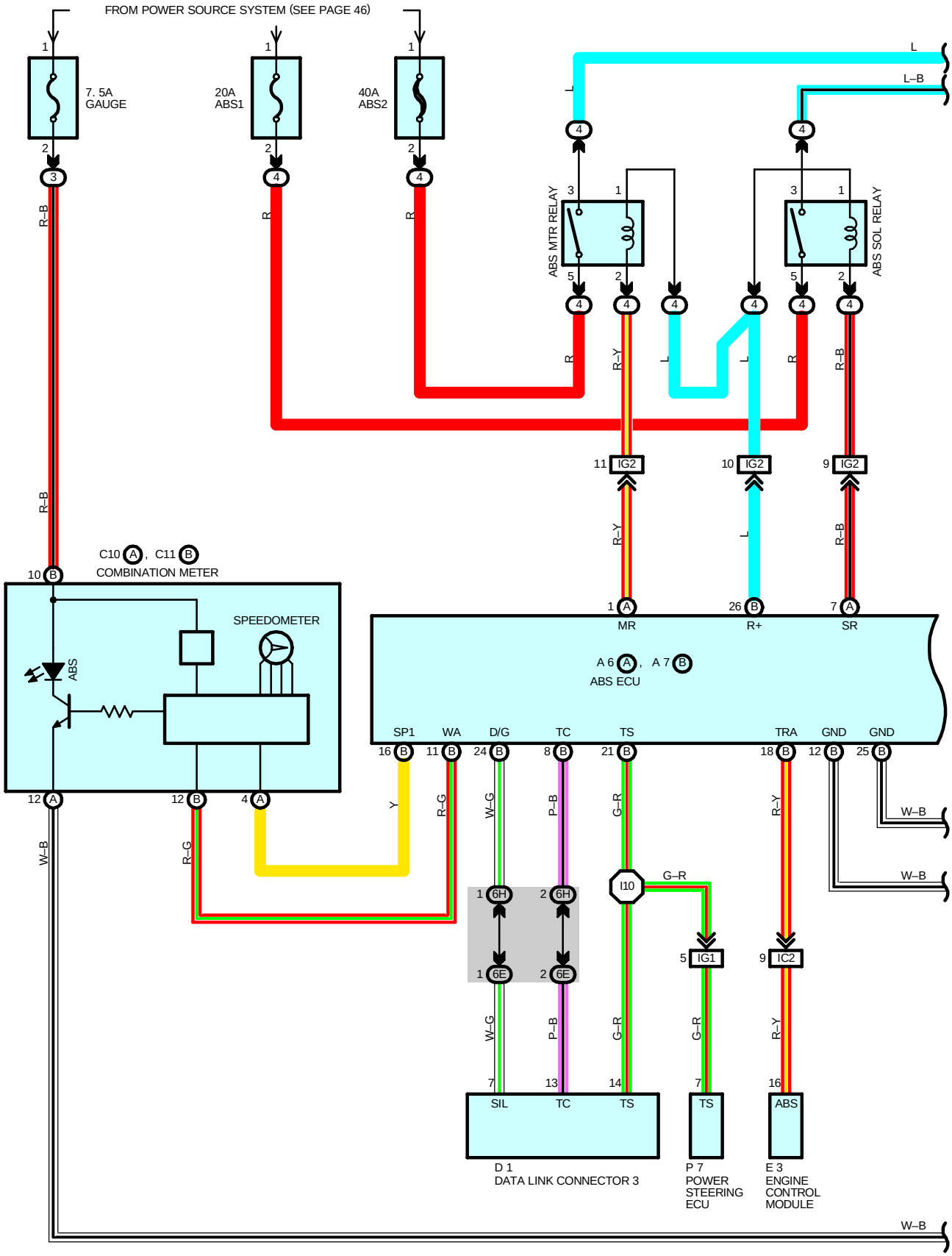
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IF1	40	Luggage Room Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IG1	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)

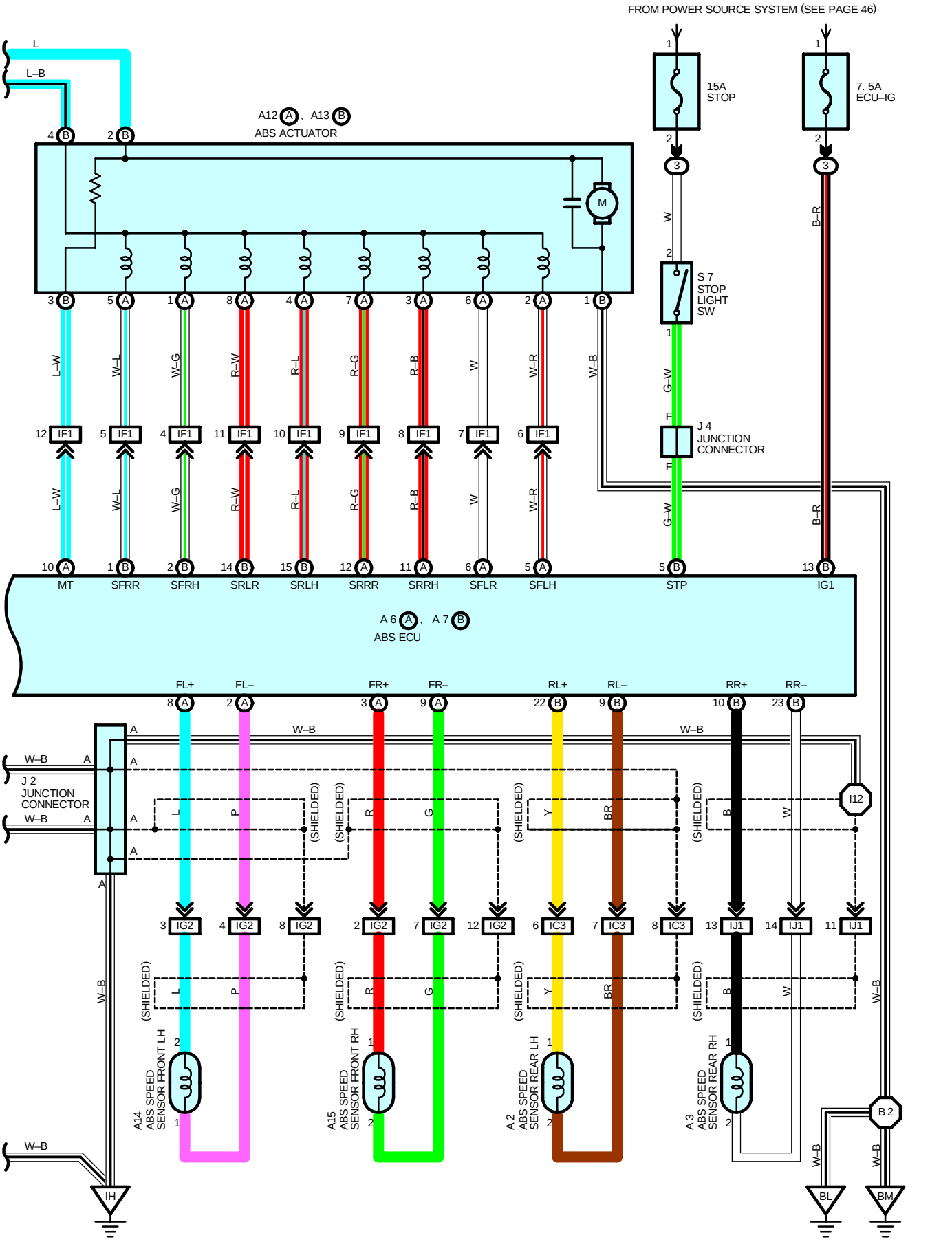
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IH	38	Right Kick Panel
BL	42	Suspension Tower Front LH
BM		

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B2	42	Luggage Room Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
7. 5A GAUGE
20A ABS1
40A ABS2
ABS MTR RELAY
ABS SOL RELAY
L
L–B
R–B
R
R–Y
L
C10 A , C11 B
COMBINATION METER
SPEEDOMETER
ABS
IG2
MR
R+
SR
A 6 A , A 7 B
ABS ECU
SP1
WA
D/G
TC
TS
TRA
GND
GND
W–B
R–G
W–G
P–B
G–R
Y
I10
IG1
IC2
SIL
ABS
D 1
DATA LINK CONNECTOR 3
P 7
POWER STEERING ECU
E 3
ENGINE CONTROL MODULE


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
15A STOP
7. 5A ECU–IG
A12 A, A13 B
ABS ACTUATOR
M
S 7 STOP LIGHT SW
J 4 JUNCTION CONNECTOR
MT
SFRR
SFRH
SRLR
SRLH
SRRR
SRRH
SFLR
SFLH
STP
IG1
A 6 A, A 7 B
ABS ECU
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
J 2 JUNCTION CONNECTOR
I12
A14 ABS SPEED SENSOR FRONT LH
A15 ABS SPEED SENSOR FRONT RH
A 2 ABS SPEED SENSOR REAR LH
A 3 ABS SPEED SENSOR REAR RH
B 2
IH
BL
BM
(SHIELDED)

SYSTEM OUTLINE

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

1. INPUT SIGNALS

(1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the ABS ECU.

(2) Stop light SW signal

A signal is input to TERMINAL STP of the ABS ECU when the brake pedal depressed.

2. SYSTEM OPERATION

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

If the ECU judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above. By repeated pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

SERVICE HINTS

A6 (A), A7 (B) ABS ECU

(B)13–GROUND : Approx. **12** volts with the ignition SW at **ON** position

(B) 5–GROUND : Approx. **12** volts with the brake pedal depressed

(B)12, (B) 25–GROUND : Always continuity

: PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
A2		30	A14		34	J2	33
A3		30	A15		34	J4	33
A6	A	32	C10	A	32	P7	35
A7	B	32	C11	B	32	S7	33
A12	A	34	D1		32		
A13	B	34	E3		34		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)
4	25	R/B No.4 (Front Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC3		
IF1	40	Luggage Room Wire and Instrument Panel Wire (Instrument Panel Brace LH)
IG1	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
IG2		
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

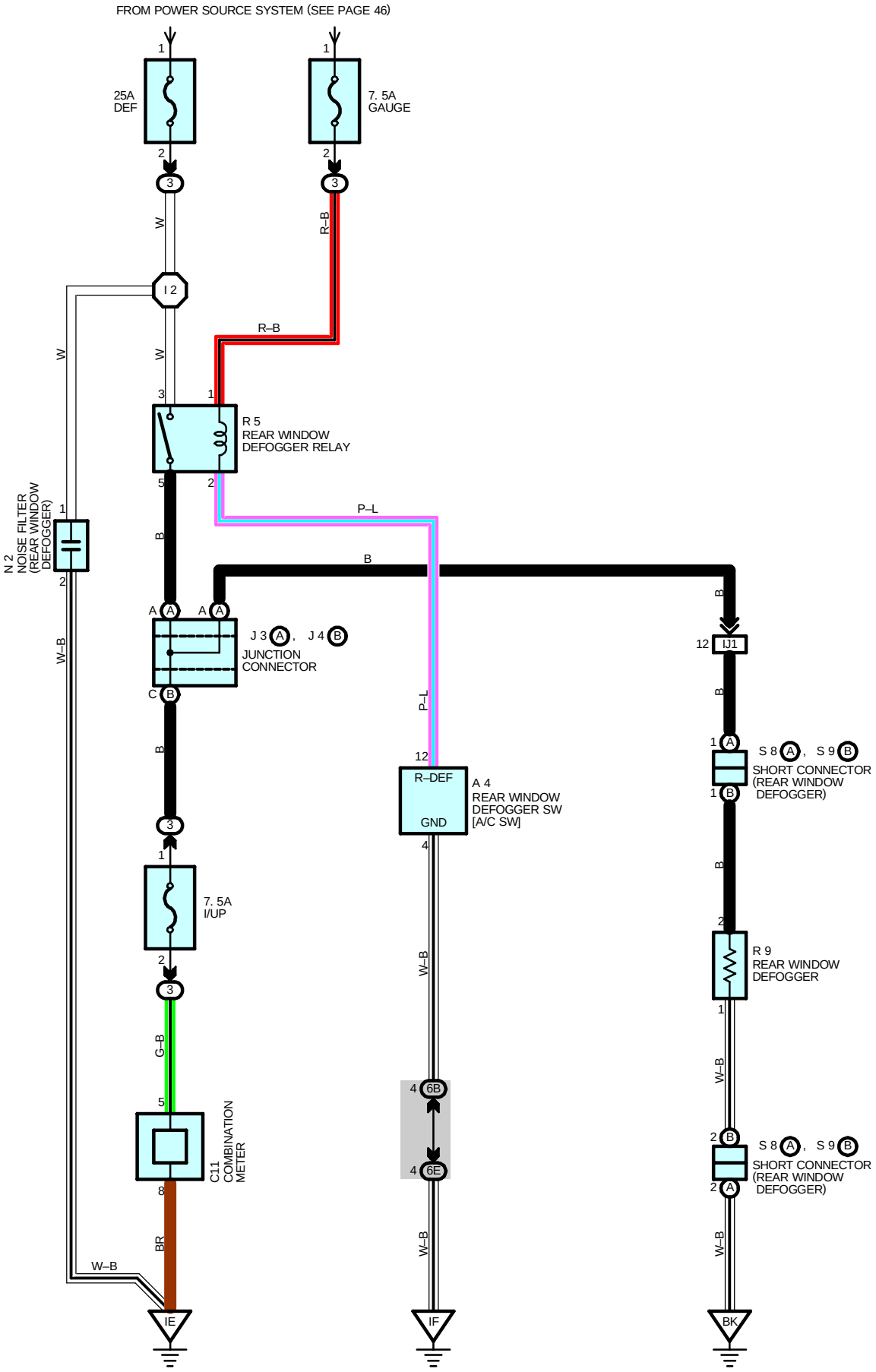
: GROUND POINTS

Code	See Page	Ground Points Location
IH	38	Right Kick Panel
BL	42	Suspension Tower Front LH
BM		

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I10	40	Instrument Panel Wire	B2	42	Luggage Room Wire
I12					

REAR WINDOW DEFOGGER



SERVICE HINTS

R5 REAR WINDOW DEFOGGER RELAY

5–3 : Closed with the ignition SW at **ON** position and the defogger SW [A/C SW] on

A4 A/C SW

4–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A4	32	J4 B	33	R9	35
C11	32	N2	33	S8 A	35
J3 A	33	R5	33	S9 B	35

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6B	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IJ1	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

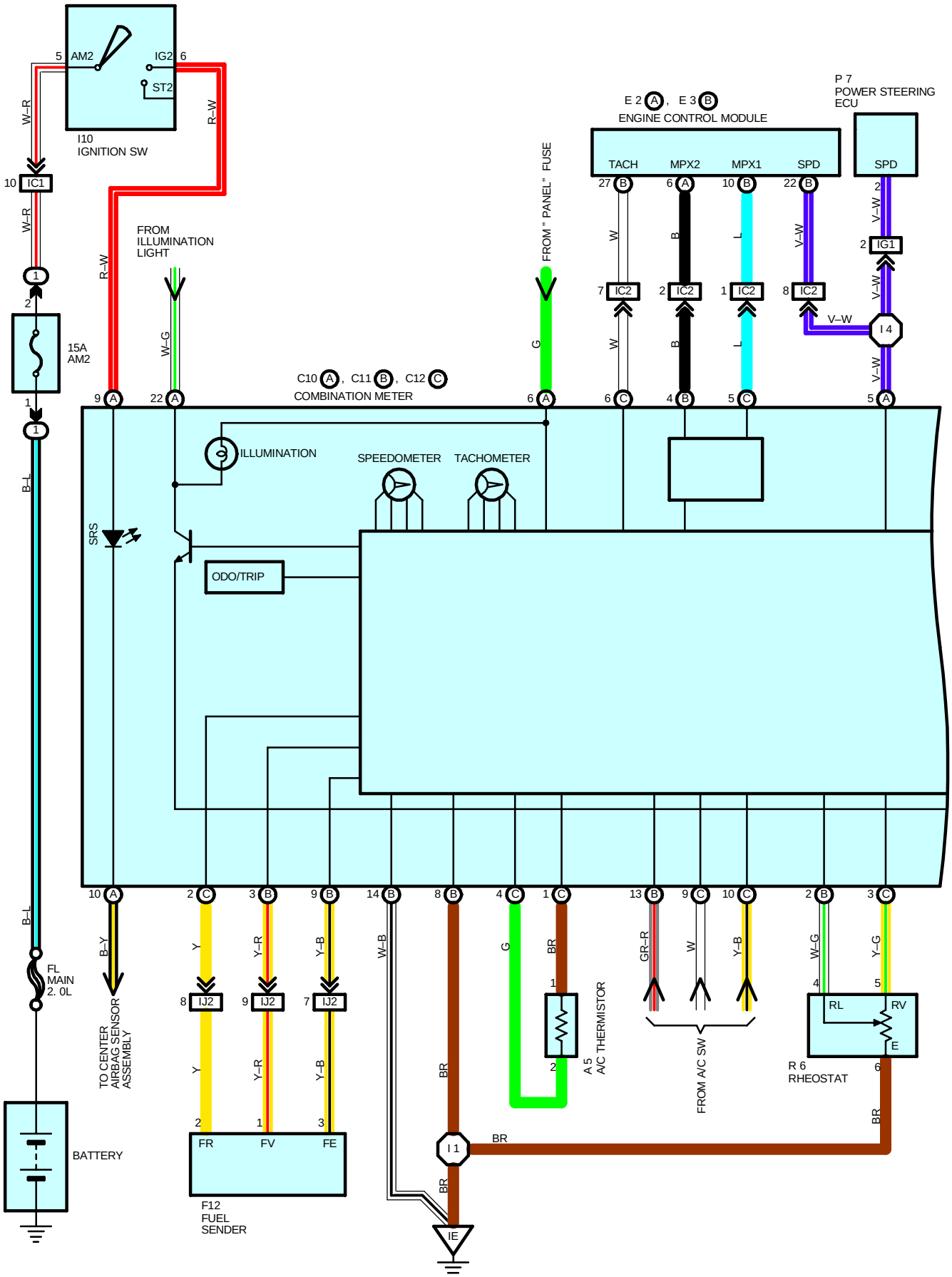
: GROUND POINTS

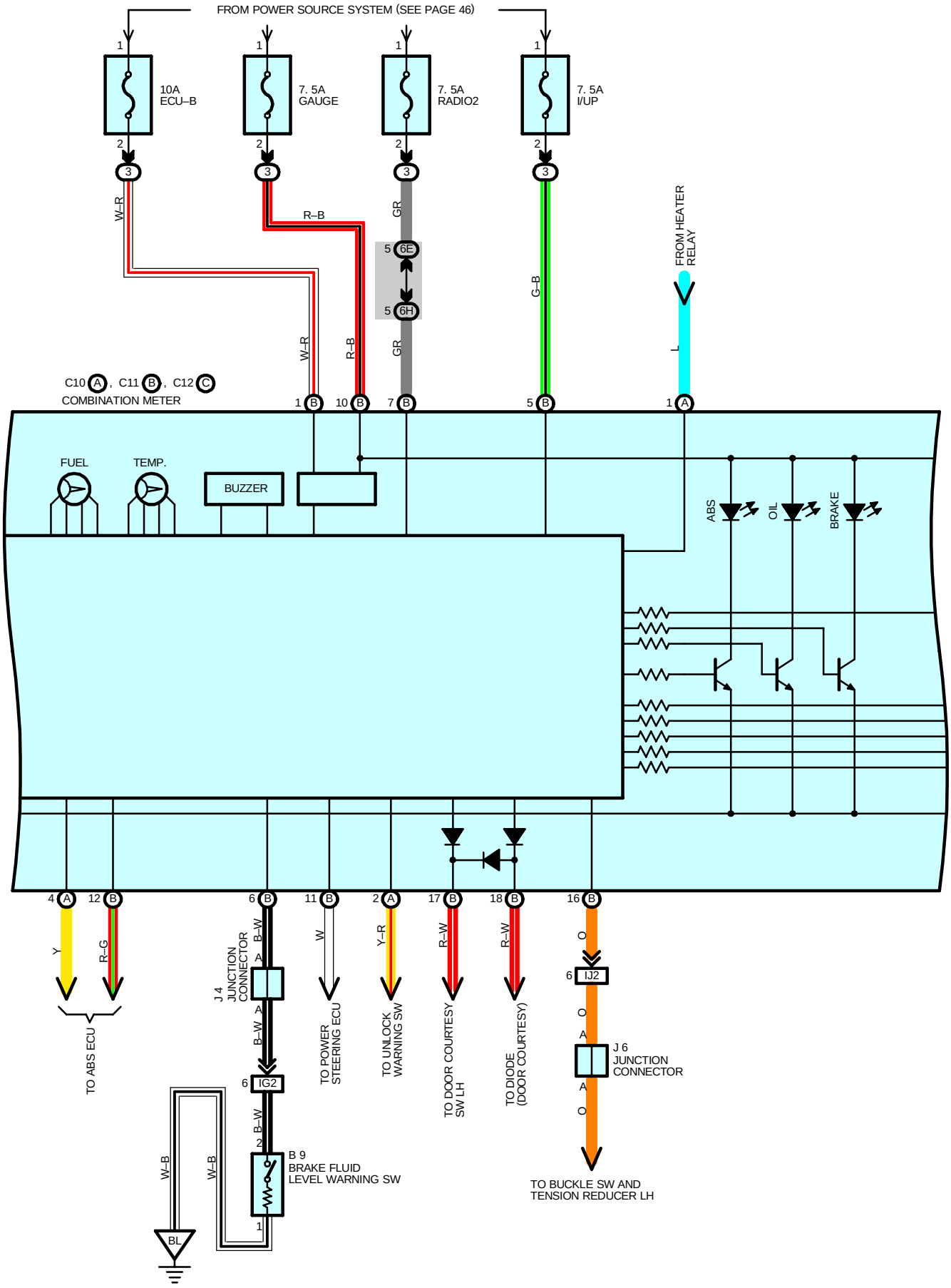
Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
BK	42	Under the Center Pillar RH

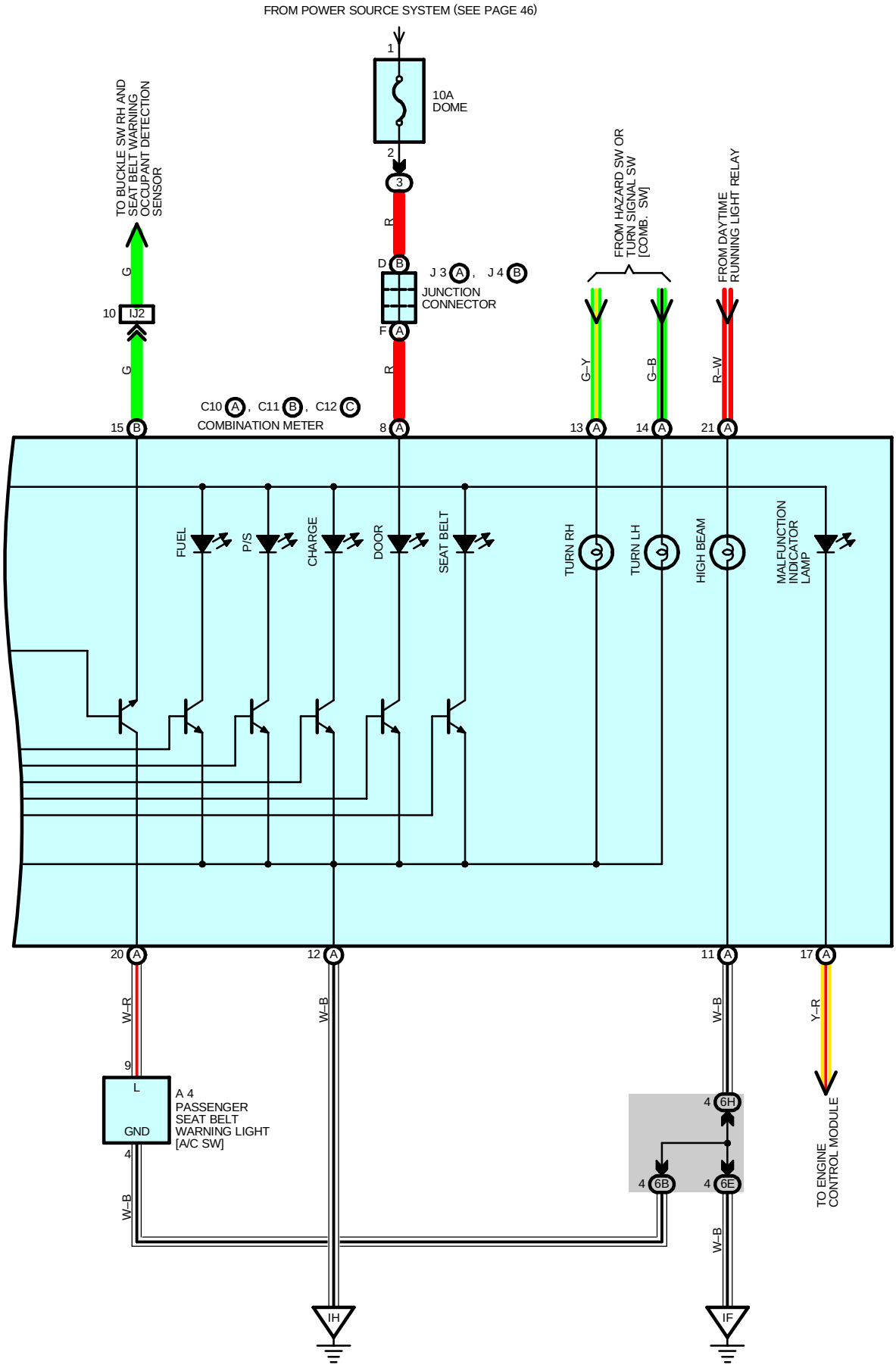
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	40	Instrument Panel Wire			

COMBINATION METER




FROM POWER SOURCE SYSTEM (SEE PAGE 46)
10A ECU–B
7. 5A GAUGE
7. 5A RADIO2
7. 5A I/UP
W–R
R–B
GR
G–B
L
FROM HEATER RELAY
C10 A , C11 B , C12 C
COMBINATION METER
FUEL
TEMP.
BUZZER
ABS
OIL
BRAKE
Y
R–G
TO ABS ECU
J 4 JUNCTION CONNECTOR
B–W
W
TO POWER STEERING ECU
Y–R
TO UNLOCK WARNING SW
R–W
TO DOOR COURTESY SW LH
TO DIODE (DOOR COURTESY)
O
IJ2
J 6 JUNCTION CONNECTOR
TO BUCKLE SW AND TENSION REDUCER LH
IG2
B 9
BRAKE FLUID LEVEL WARNING SW
W–B
BL


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
1
10A
DOME
2
3
R
D B
J 3 A , J 4 B
JUNCTION
CONNECTOR
F A
R
TO BUCKLE SW RH AND
SEAT BELT WARNING
OCCUPANT DETECTION
SENSOR
G
10 IJ2
G
15 B
C10 A , C11 B , C12 C
COMBINATION METER
8 A
FROM HAZARD SW OR
TURN SIGNAL SW
[COMB. SW]
FROM DAYTIME
RUNNING LIGHT RELAY
G–Y
G–B
R–W
13 A
14 A
21 A
FUEL
P/S
CHARGE
DOOR
SEAT BELT
TURN RH
TURN LH
HIGH BEAM
MALFUNCTION
INDICATOR
LAMP
20 A
12 A
11 A
17 A
W–R
W–B
W–B
Y–R
9
L
GND
A 4
PASSENGER
SEAT BELT
WARNING LIGHT
[A/C SW]
4
W–B
4 6H
4 6B
4 6E
W–B
TO ENGINE
CONTROL MODULE
IH
IF

SERVICE HINTS

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

(B) 5–GROUND : Approx. **12** volts with the **ON** position and the defogger SW [A/C SW] on
(A) 8, (A) 9, (B) 1–GROUND : Always approx. **12** volts
(B)10–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(B) 7–GROUND : Approx. **12** volts with the ignition SW at **ACC** position
(B) 8, (B) 14, (A) 12, (A) 11–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A4	32	E2 A	34	J4 B	33
A5	32	E3 B	34	J6	35
B9	34	F12	34	P7	35
C10 A	32	I10	33	R6	33
C11 B	32	J3 A	33		
C12 C	32	J4	33		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6B	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		
6H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IC2		
IG1	40	Luggage Room Wire and Instrument Panel Wire (Under the Instrument Panel Center)
IG2		
IJ2	40	Floor Wire and Instrument Panel Wire (Right Kick Panel)

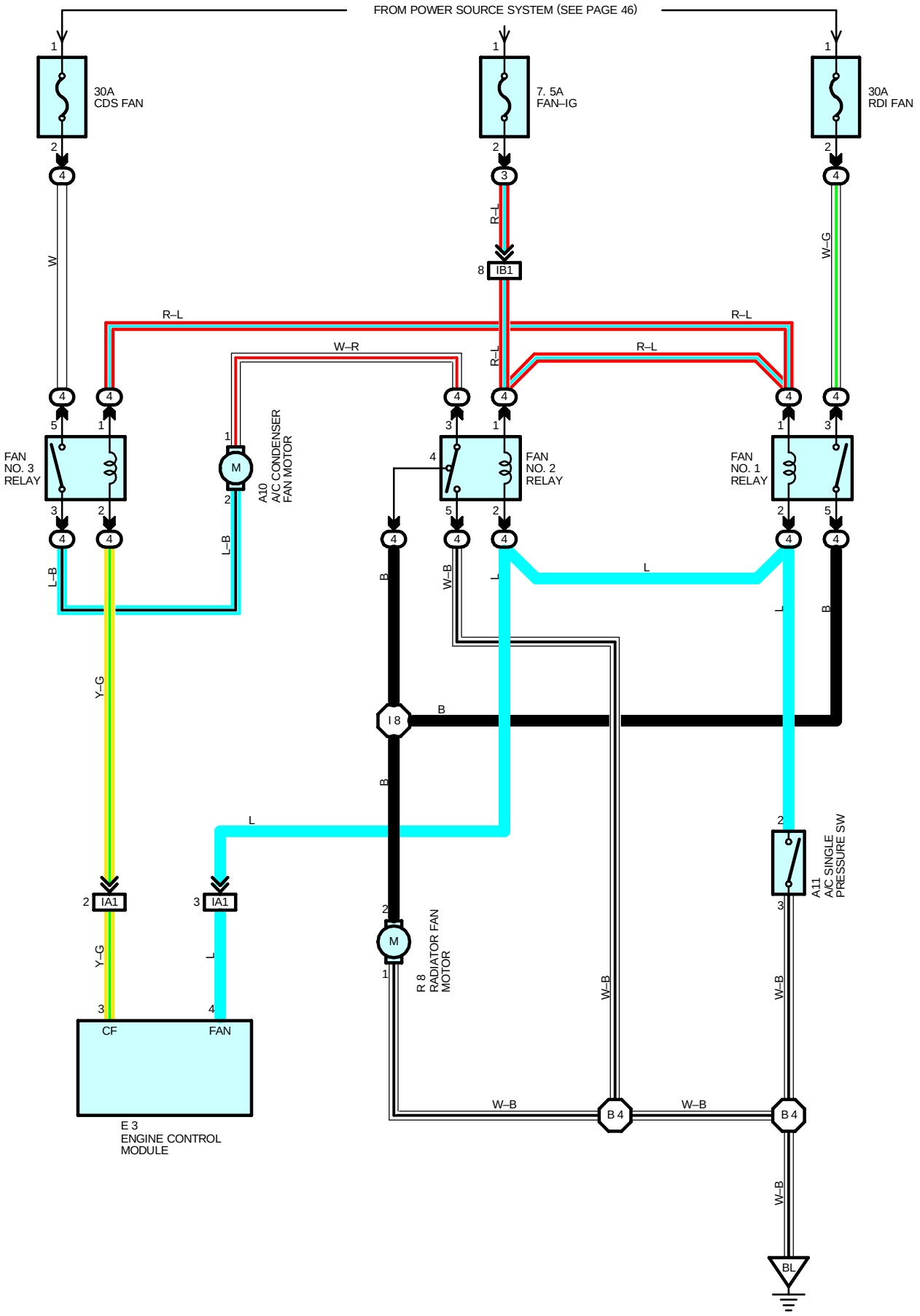
: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IH	38	Right Kick Panel
BL	42	Suspension Tower Front LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	40	Instrument Panel Wire	I4	40	Instrument Panel Wire

RADIATOR FAN AND CONDENSER FAN



SYSTEM OUTLINE

The radiator fan motor and A/C condenser fan motor is rotated according to the condition of the engine temperature, and the A/C system. The FAN NO.1 relay, FAN NO.2 relay and FAN NO.3 relay are turned ON or OFF to rotate the two fan motors at low speed (Serial) or at high speed (Parallel).

SERVICE HINTS

A11 A/C SINGLE PRESSURE SW

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A10	34	E3	34		
A11	34	R8	35		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	24	R/B No.3 (Left Side of Instrument Panel)
4	25	R/B No.4 (Front Compartment Left)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

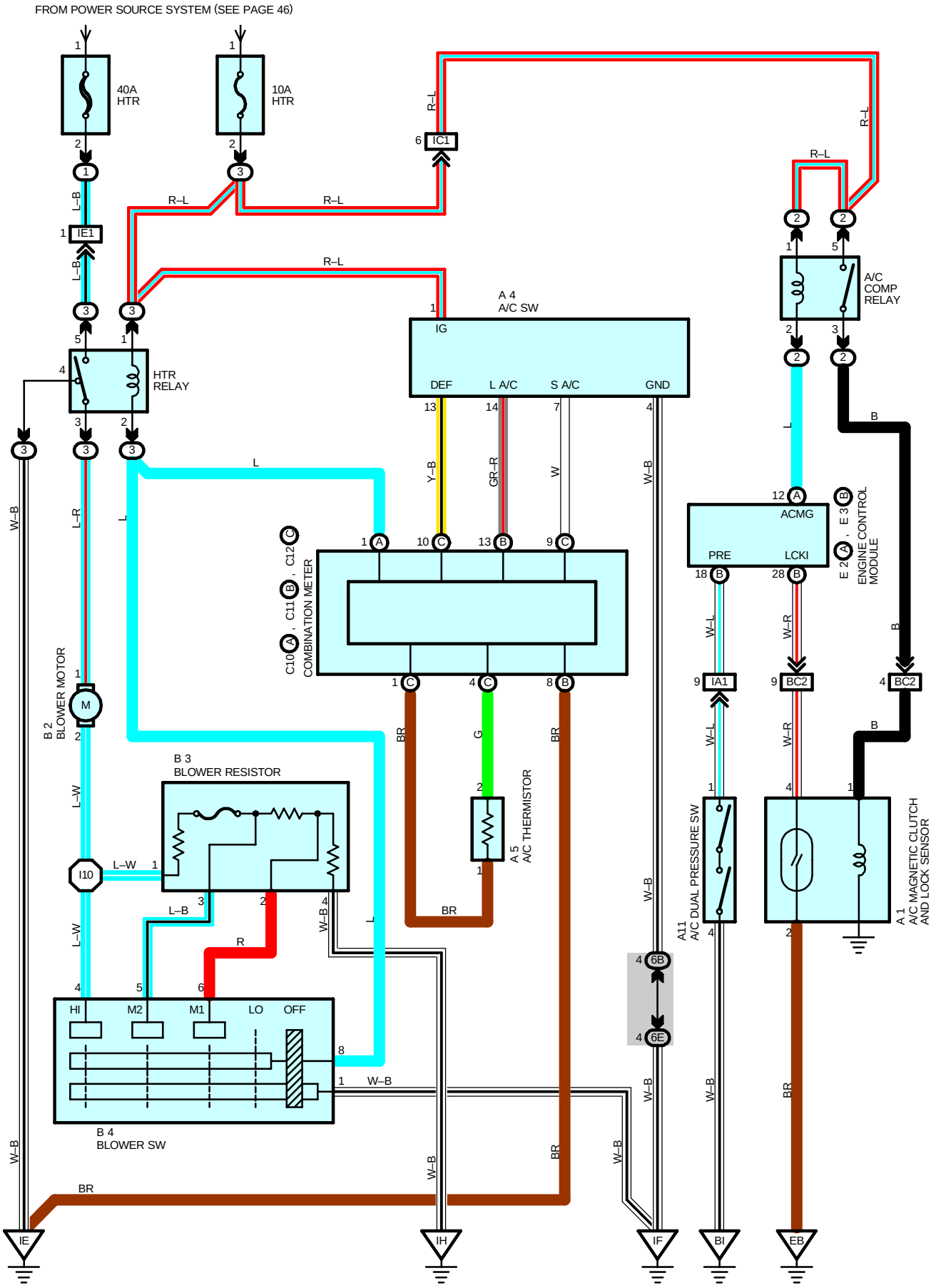
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IB1	38	Luggage Room Wire and Instrument Panel Wire (Left Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
BM	42	Suspension Tower Front LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I8	40	Luggage Room Wire	B4	42	Luggage Room Wire


FROM POWER SOURCE SYSTEM (SEE PAGE 46)
40A HTR
10A HTR
IC1
IE1
HTR RELAY
A/C COMP RELAY
A 4 A/C SW
IG
DEF
L A/C
S A/C
GND
B 2 BLOWER MOTOR
B 3 BLOWER RESISTOR
B 4 BLOWER SW
HI
M2
M1
LO
OFF
I10
C10 , C11 , C12 COMBINATION METER
A 5 A/C THERMISTOR
ACMG
PRE
LCKI
E 2 , E 3 ENGINE CONTROL MODULE
IA1
BC2
A11 A/C DUAL PRESSURE SW
A 1 A/C MAGNETIC CLUTCH AND LOCK SENSOR
6B
6E
IE
IH
IF
BI
EB
R–L
L–B
L–R
L–W
W–B
Y–B
GR–R
W
G
BR
L
B
W–L
W–R

SYSTEM OUTLINE

1. HEATER BLOWER MOTOR OPERATION

Current is applied at all times through the HTR fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, the current flows through HTR fuse to TERMINAL 1 of the HTR relay to TERMINAL 2 to TERMINAL 8 of the blower SW.

* Low speed operation
  When the blower SW is moved to LO position, the current flows the to TERMINAL 8 of the blower SW to TERMINAL 1 to GROUND, causing the HTR relay to turn on. This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 4 to GROUND, rotating the blower motor at low speed.

* Medium speed operation (Operation at M1, M2)
  When the blower SW is moved to M1 position, the current flows to TERMINAL 8 of the blower SW to TERMINAL 1 to GROUND, causing the HTR relay to turn on. This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 2 to TERMINAL 6 of the blower SW to TERMINAL 1 to GROUND. At this time, the blower resistance of the blower resistor is smaller than at low speed, so the blower motor rotates at medium low speed.
  When the blower SW is moved to M2 position, the current through the motor flows from TERMINAL 1 of the blower resistor to TERMINAL 3 to TERMINAL 5 of the blower SW to TERMINAL 1 to GROUND. At this time, resistance of the blower resistor is smaller than at M1 position, so the blower motor rotates at medium high speed.

* High speed operation
  When the blower SW is moved to HI position, the current flows to TERMINAL 8 of the blower SW to TERMINAL 1 to GROUND, causing the HTR relay to turn on.
  This causes the current to flow from the HTR fuse to TERMINAL 5 of the heater relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 3 of the blower SW to TERMINAL 1 to GROUND, rotating the blower motor at high speed.

SERVICE HINTS

HTR RELAY

3–5 : Closed with the ignition SW at **ON** position and the blower SW on

A11 A/C DUAL PRESSURE SW

1–4 : Open with the refrigerant pressure at less than approx. **196** Kpa (**2.0** kgf/cm^2, **28.4** psi) or more than approx. **3140** Kpa (**32** kgf/cm^2, **455** psi)

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	30	B2	32	C11 B	32
A4	32	B3	32	C12 C	32
A5	32	B4	32	E2 A	34
A11	34	C10 A	32	E3 B	34

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	22	Fusible Link Block (Engine Compartment Left)
2	23	Engine Room R/B (Left Side of Room Partition Panel)
3	24	R/B No.3 (Left Side of Instrument Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6B	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	38	Engine Room Main Wire and Luggage Room Wire (Left Kick Panel)
IC1	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IE1	38	Engine Room Main Wire and Instrument Panel Wire (Left Side of Instrument Panel)
BC2	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)

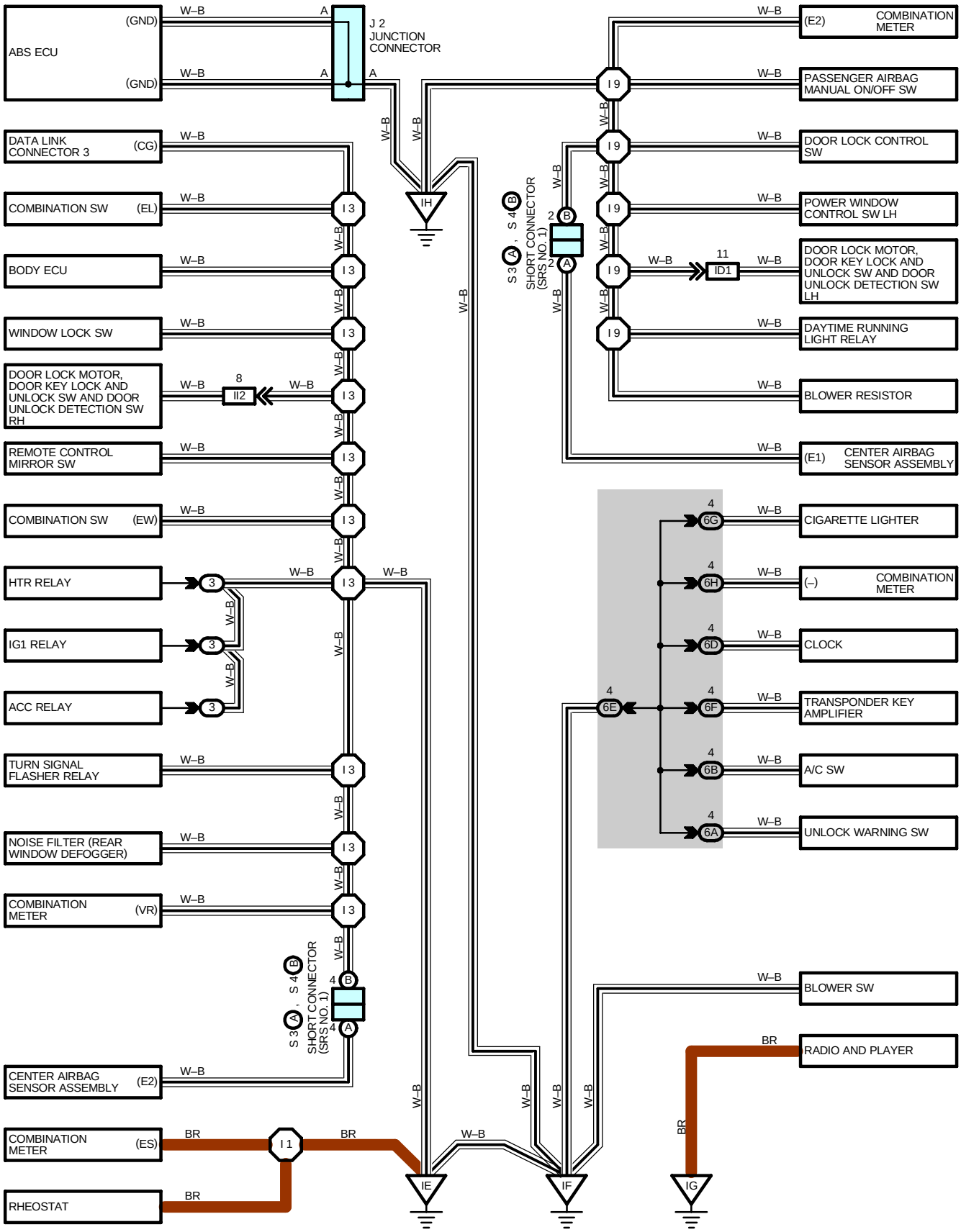
: GROUND POINTS

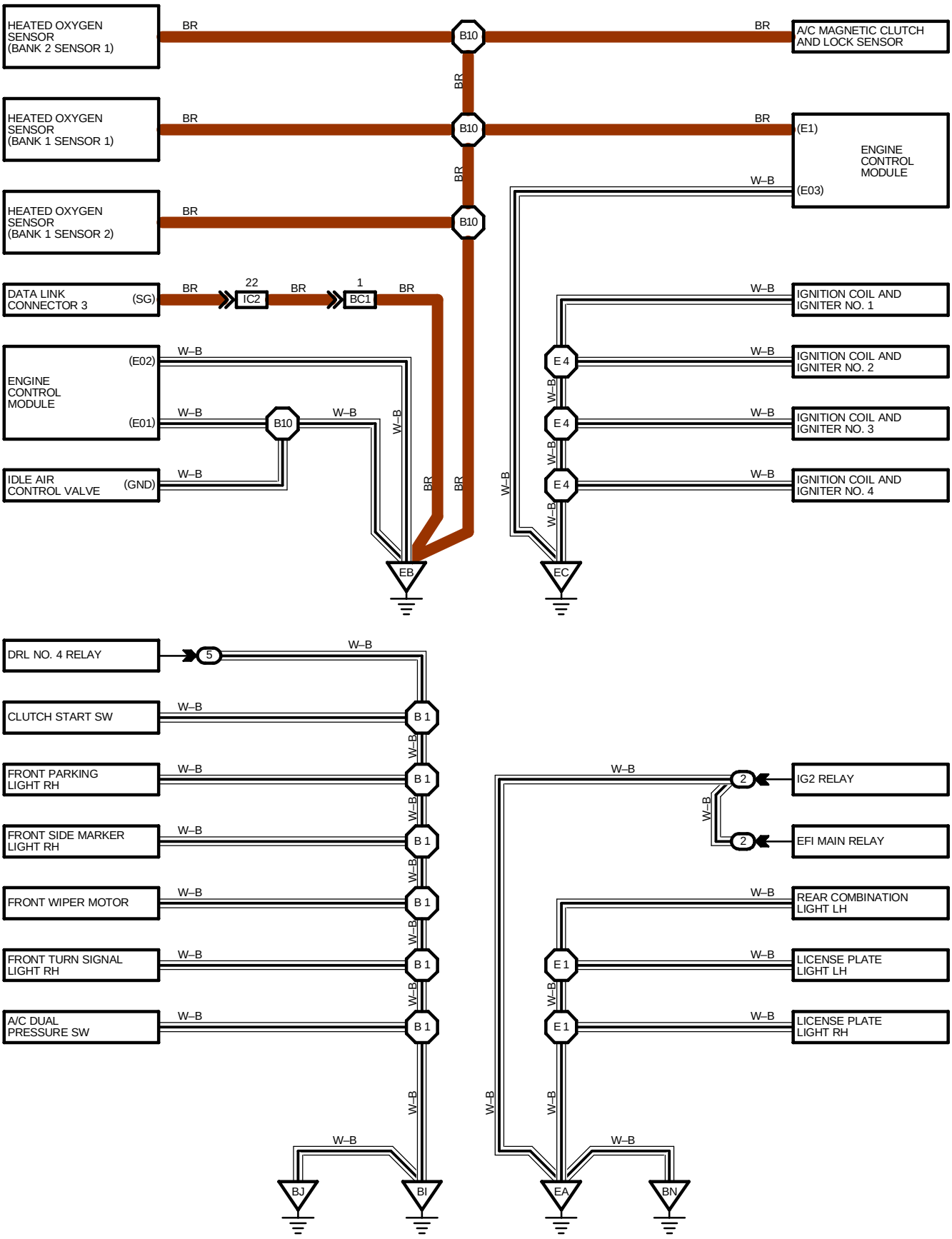
Code	See Page	Ground Points Location
EB	36	Engine Block LH
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IH	38	Right Kick Panel
BI	42	Suspension Tower Front RH

: SPLICE POINTS

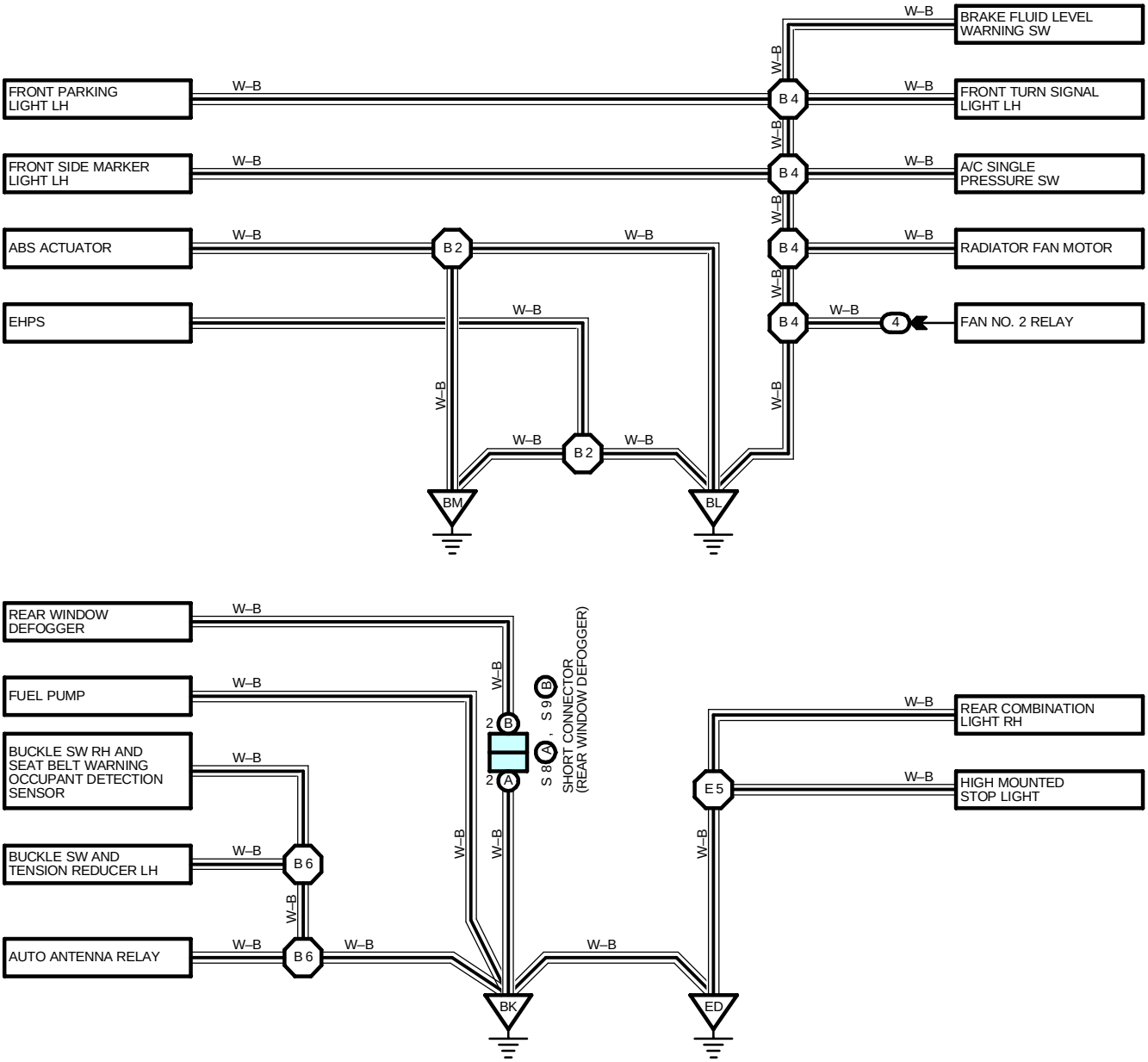
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I10	40	Instrument Panel Wire			

I GROUND POINT




HEATED OXYGEN SENSOR (BANK 2 SENSOR 1)
HEATED OXYGEN SENSOR (BANK 1 SENSOR 1)
HEATED OXYGEN SENSOR (BANK 1 SENSOR 2)
DATA LINK CONNECTOR 3
(SG)
ENGINE CONTROL MODULE
(E02)
(E01)
IDLE AIR CONTROL VALVE
(GND)
BR
W–B
B10
IC2
BC1
22
1
EB
EC
A/C MAGNETIC CLUTCH AND LOCK SENSOR
(E1)
ENGINE CONTROL MODULE
(E03)
IGNITION COIL AND IGNITER NO. 1
IGNITION COIL AND IGNITER NO. 2
IGNITION COIL AND IGNITER NO. 3
IGNITION COIL AND IGNITER NO. 4
E 4
DRL NO. 4 RELAY
CLUTCH START SW
FRONT PARKING LIGHT RH
FRONT SIDE MARKER LIGHT RH
FRONT WIPER MOTOR
FRONT TURN SIGNAL LIGHT RH
A/C DUAL PRESSURE SW
5
B 1
BJ
BI
IG2 RELAY
EFI MAIN RELAY
2
REAR COMBINATION LIGHT LH
LICENSE PLATE LIGHT LH
LICENSE PLATE LIGHT RH
E 1
EA
BN

I GROUND POINT



: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
J2		33	S4	B	33	S9	B	35
S3	A	33	S8	A	35			

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	23	Engine Room R/B (Left Side of Room Partition Panel)
3	24	R/B No.3 (Left Side of Instrument Panel)
4	25	R/B No.4 (Front Compartment Left)
5	28	R/B No.5 (Front Compartment Right)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
6A	26	Instrument Panel Wire and J/B No.6 (Instrument Panel Brace LH)
6B		
6D		
6E		
6F		
6G		
6H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	38	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
ID1	38	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
II2	40	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
BC1	42	Engine Wire and Engine Room Main Wire (Quarter Panel LH)

: GROUND POINTS

Code	See Page	Ground Points Location
EA	36	Suspension Tower Rear LH
EB	36	Engine Block LH
EC		
ED	36	Suspension Tower Rear RH
IE	38	Left Kick Panel
IF	38	Instrument Panel Brace LH
IG	38	Instrument Panel Brace RH
IH	38	Right Kick Panel
BI	42	Suspension Tower Front RH
BJ		
BK	42	Under the Center Pillar RH
BL	42	Suspension Tower Front LH
BM		
BN	42	Under the Center Pillar LH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	36	Engine Room Main Wire	B1	42	Luggage Room Wire
E4	36	Engine Wire	B2		
E5	36	Floor Wire	B4		
I1	40	Instrument Panel Wire	B6	42	Floor Wire
I3			B10	42	Engine Wire
I9					

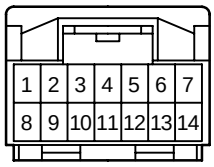
K CONNECTOR LIST

A1
GRAY

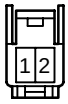
A2
GRAY

A3
GRAY

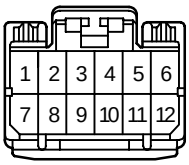
A4



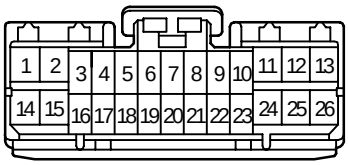
A5



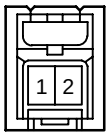
A6



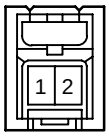
A7



A8
YELLOW

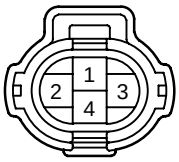


A9
YELLOW



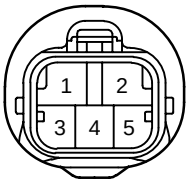
A10
BLACK

A11
DARK GRAY



A12
GRAY

A13
BLACK

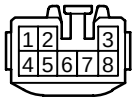


A14
GRAY

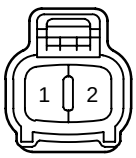
A15
GRAY

A16
GRAY

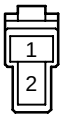
A17
GRAY



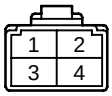
B1
GRAY



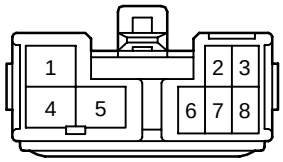
B2
BLACK



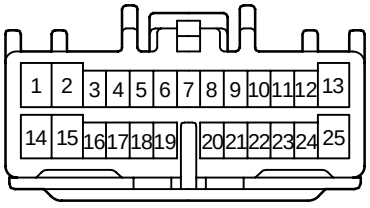
B3
BLACK



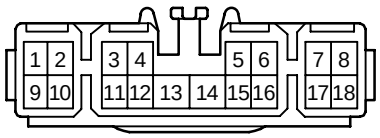
B4



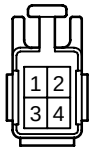
B5



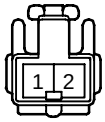
B6



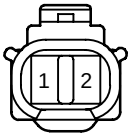
B7



B8



B9
GRAY

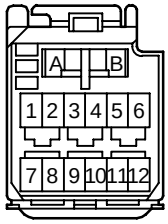


C1
BLACK

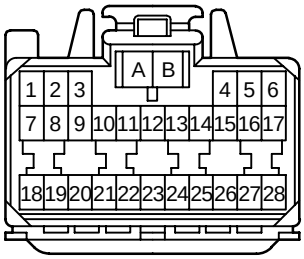
C2
BLACK

C3
BLACK

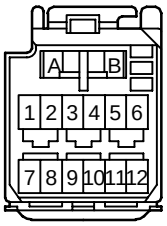
C4
YELLOW



C5
YELLOW

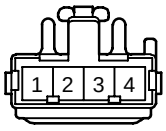


C6
YELLOW

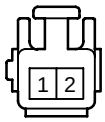


C7

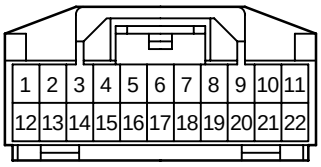
C8



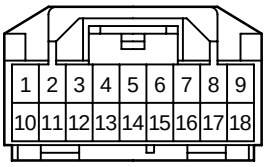
C9



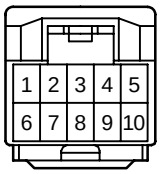
C10



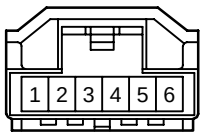
C11
BLUE



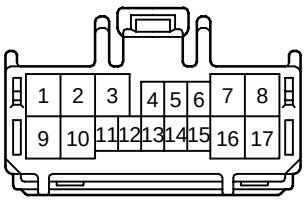
C12



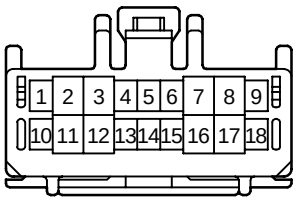
C13
BLACK



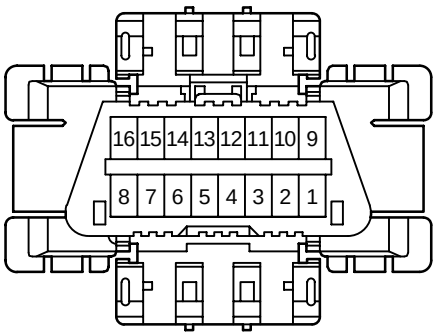
C14



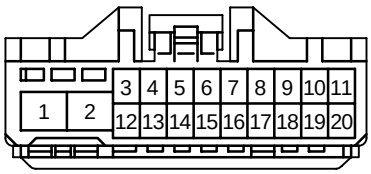
C15
BLACK



D1



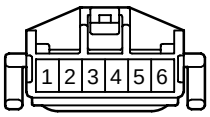
D2



D3
BLACK

D4
BLACK

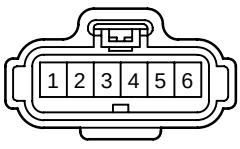
D5



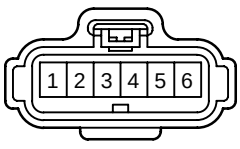
D6

D7

D8
BLACK



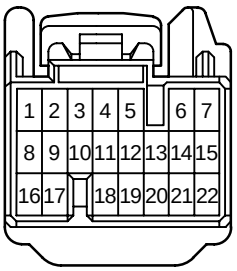
D9
BLACK



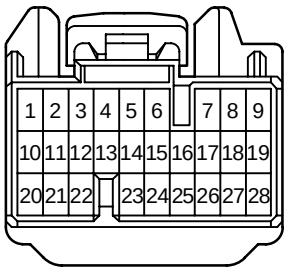
E1
DARK GRAY

K CONNECTOR LIST

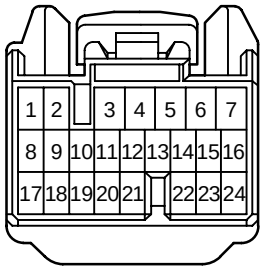
E2
BLACK



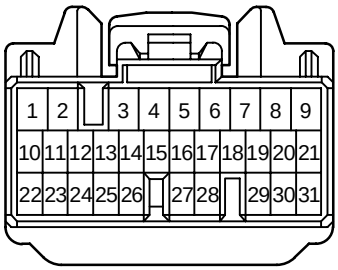
E3



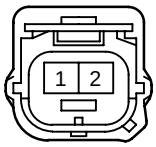
E4
BLACK



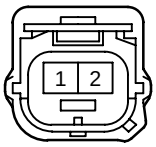
E5



F1
YELLOW



F2
YELLOW



F3

F4

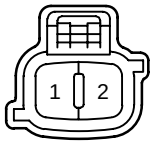
F5

F6

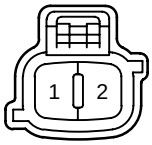
F7

F8

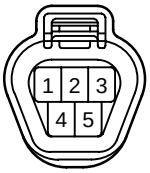
F9



F10

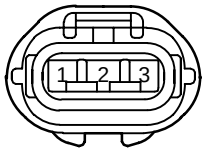


F11
BLACK

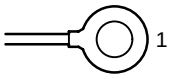


F12

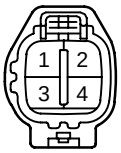
G1
BLACK



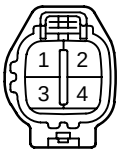
G2



H1
DARK GRAY



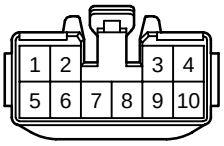
H2
DARK GRAY



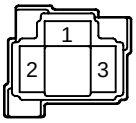
H3
DARK GRAY

H4

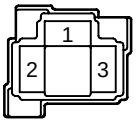
H5
BLACK



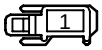
H6
BLACK



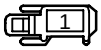
H7
BLACK



H8
BLACK

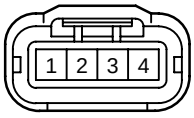


H9
BLACK

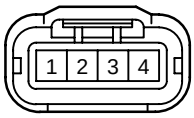


I1
GRAY

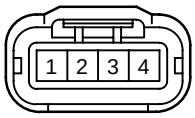
I2
BLACK



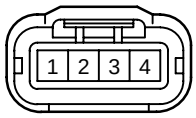
I3
GRAY



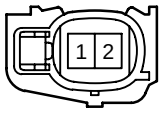
I4
BLACK



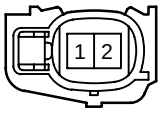
I5
GRAY



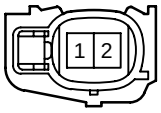
I6
BLACK



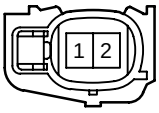
I7
GRAY



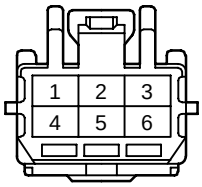
I8
BLACK



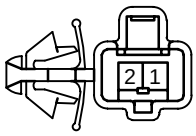
I9
GRAY



I10

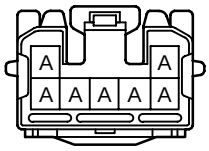


I11

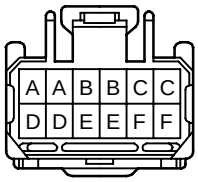


J1
BLACK

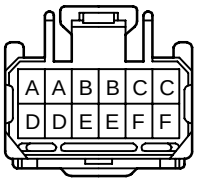
J2



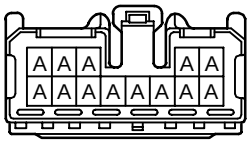
J3



J4



J5



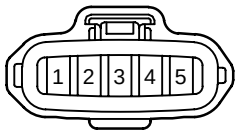
J6
BLACK

K1
DARK GRAY

L1
BLACK

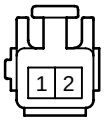
L2
BLACK

M1
BLACK



N1
GRAY

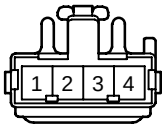
N2



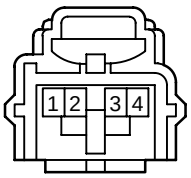
O1
BLACK

P1

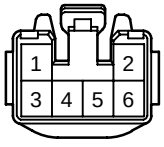
P2



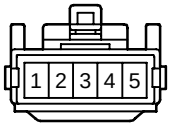
P3
YELLOW



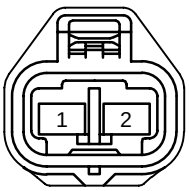
P4



P5
BLACK



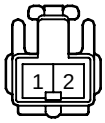
P6
GRAY



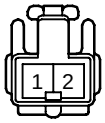
P7
GRAY

P8
GRAY

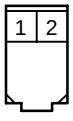
P9



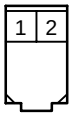
P10



P11
YELLOW



P12
YELLOW

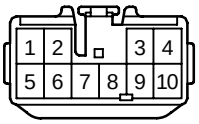


R1

R2

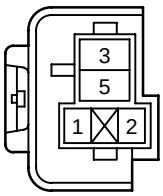
K CONNECTOR LIST

R3

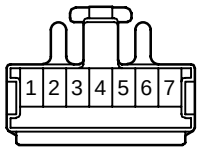


R4

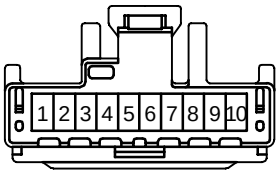
R5



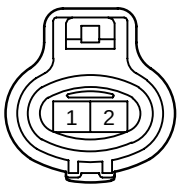
R6
BLACK



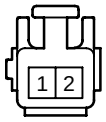
R7



R8
GRAY



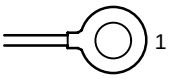
R9



R10

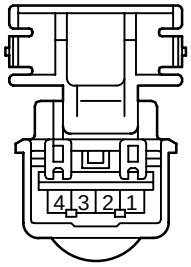
R11

S1

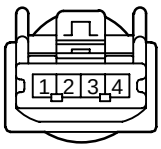


S2
BLACK

S3
YELLOW



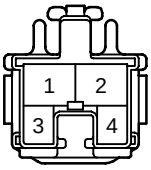
S4
YELLOW



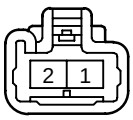
S5

S6

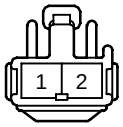
S7
BLUE



S8
BLACK

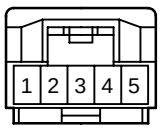


S9
BLACK

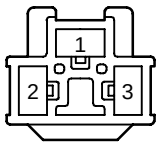


T1
BLACK

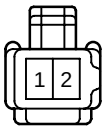
T2



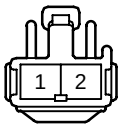
T3



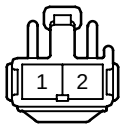
T4



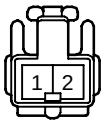
T5



T6

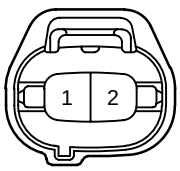


U1



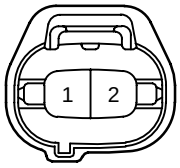
V1
BLACK

V2
BLUE

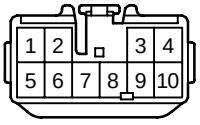


V3
BLACK

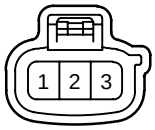
V4
BLUE



W1
BLACK



W2
BLACK



L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Magnetic Clutch and Lock Sensor	90980–10942
A 2	ABS Speed Sensor Rear LH	90980–11002
A 3	ABS Speed Sensor Rear RH	
A 4	A/C SW	90980–11911
A 5	A/C Thermistor	90980–11918
A 6	ABS ECU	90980–11424
A 7	ABS ECU	90980–11390
A 8	Airbag Squib (Passenger's Airbag Assembly)	90980–11886
A 9	Airbag Squib (Steering Wheel Pad)	
A10	A/C Condenser Fan Motor	90980–11410
A11	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980–10943
A12	ABS Actuator	90980–10891
A13	ABS Actuator	90980–11413
A14	ABS Speed Sensor Front LH	90980–11003
A15	ABS Speed Sensor Front RH	90980–11074
A16	Auto Antenna Motor	90980–11003
A17	Auto Antenna Relay	90980–10779
B 1	Back–Up Light SW	90980–11051
B 2	Blower Motor	90980–10214
B 3	Blower Resistor	90980–10171
B 4	Blower SW	90980–10877
B 5	Body ECU	90980–11877
B 6	Body ECU	90980–10819
B 7	Buckle SW and Tension Reducer LH	90980–10795
B 8	Buckle SW RH and Seat Belt Warning Occupant Detection Sensor	90980–10860
B 9	Brake Fluid Level Warning SW	90980–11207
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Crankshaft Position Sensor	90980–10947
C 4	Center Airbag Sensor Assembly	90980–11869
C 5	Center Airbag Sensor Assembly	90980–11872
C 6	Center Airbag Sensor Assembly	90980–11867
C 7	Cigarette Light	90980–10760
C 8	Clock	90980–11013
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11915
C11	Combination Meter	90980–11913
C12	Combination Meter	90980–11923
C13	Combination SW	90980–11986
C14	Combination SW	90980–11672
C15	Combination SW	90980–11594
D 1	Data Link Connector 3	90980–11665
D 2	Daytime Running Light Relay	90980–12034

Code	Part Name	Part Number
D 3	Diode (Door Courtesy)	90980–10962
D 4	Diode (DRL)	
D 5	Door Lock Control SW	90980–10964
D 6	Door Courtesy SW LH	90980–10871
D 7	Door Courtesy SW RH	
D 8	Door Lock Motor, Door Key Lock and Unlock SW and Door Unlock Detection SW LH	90980–11858
D 9	Door Lock Motor, Door Key Lock and Unlock SW and Door Unlock Detection SW RH	
E 1	Engine Coolant Temp. Sensor	90980–10737
E 2	Engine Control Module	90980–11638
E 3	Engine Control Module	90980–11637
E 4	Engine Control Module	90980–11476
E 5	Engine Control Module	90980–11421
F 1	Front Airbag Sensor LH	90980–11856
F 2	Front Airbag Sensor RH	
F 3	Front Door Speaker LH	90980–10935
F 4	Front Door Speaker RH	
F 5	Front Parking Light LH	90980–11162
F 6	Front Parking Light RH	
F 7	Front Side Marker Light LH	90980–11074
F 8	Front Side Marker Light RH	
F 9	Front Turn Signal Light LH	90980–11019
F10	Front Turn Signal Light RH	
F11	Front Wiper Motor	90980–11599
F12	Fuel Pump and Fuel Sender	90980–11077
G 1	Generator	90980–11349
G 2	Generator	90980–09200
H 1	Heated Oxygen Sensor (Bank 1 Sensor 1)	90980–11028
H 2	Heated Oxygen Sensor (Bank 1 Sensor 2)	
H 3	Heated Oxygen Sensor (Bank 2 Sensor 1)	
H 4	High Mounted Stop Light	90980–11002
H 5	Hazard SW	90980–10801
H 6	Headlight LH	90980–11314
H 7	Headlight RH	
H 8	Horn LH	90980–10619
H 9	Horn RH	
I 1	Idle Air Control Valve	90980–11145
I 2	Ignition Coil and Igniter No.1	90980–11885
I 3	Ignition Coil and Igniter No.2	
I 4	Ignition Coil and Igniter No.3	
I 5	Ignition Coil and Igniter No.4	

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

Code	Part Name	Part Number
I 6	Injector No.1	90980–11875
I 7	Injector No.2	
I 8	Injector No.3	
I 9	Injector No.4	
I10	Ignition SW	90980–11778
I11	Interior Light	90980–11724
J 1	Junction Connector	90980–11398
J 2	Junction Connector	90980–11529
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11398
K 1	Knock Sensor	90980–11166
L 1	License Plate Light LH	90980–11002
L 2	License Plate Light RH	
M 1	Mass Air Flow Meter	90980–11317
N 1	Noise Filter (Ignition)	90980–10843
N 2	Noise Filter (Rear Window Defogger)	90980–10825
O 1	Oil Pressure SW	90980–11363
P 1	Parking Brake SW	90980–10871
P 2	Passenger Airbag Manual ON/OFF SW	90980–11013
P 3	Passenger Airbag Manual ON/OFF SW	90980–12017
P 4	Power Window Control SW LH	90980–10797
P 5	Power Window Control SW RH	90980–10789
P 6	Power Steering ECU	90980–12068
P 7	Power Steering ECU	90980–10897
P 8	Power Steering ECU	90980–10942
P 9	Power Window Motor LH	90980–10860
P10	Power Window Motor RH	
P11	Pretensioner LH	90980–11862
P12	Pretensioner RH	
R 1	Rear Combination Light LH	90980–10988
R 2	Rear Combination Light RH	

Code	Part Name	Part Number
R 3	Radio and Player	90980–10997
R 4	Radio and Player	90980–10996
R 5	Rear Window Defogger Relay	82660–20340
R 6	Rheostat	90980–11165
R 7	Remote Control Mirror SW	90980–11657
R 8	Radiator Fan Motor	90980–10928
R 9	Rear Window Defogger	90980–10825
R10	Remote Control Mirror LH	90980–10907
R11	Remote Control MIrror RH	
S 1	Starter	90980–09506
S 2	Starter	90980–11400
S 3	Short Connector (SRS No.1)	90980–11023
S 4	Short Connector (SRS No.1)	90980–11904
S 5	Short Connector (SRS No.2)	90980–10871
S 6	Short Connector (SRS No.2)	90980–10870
S 7	Stop Light SW	90980–11118
S 8	Short Connector (Rear Window Defogger)	90980–10915
S 9	Short Connector (Rear Window Defogger)	90980–10916
T 1	Throttle Position Sensor	90980–11261
T 2	Transponder Key Amplifier	90980–11909
T 3	Turn Signal Flasher Relay	90980–10704
T 4	Tension Reducer Solenoid LH	90980–11369
T 5	Tweeter LH	90980–10916
T 6	Tweeter RH	
U 1	Unlock Warning SW	90980–10860
V 1	VSV (Canister Closed Valve)	90980–11162
V 2	VSV (EVAP)	90980–11156
V 3	Vapor Pressure Sensor	90980–11143
V 4	VSV(Pressure Switching Valve)	90980–11156
W 1	Window Lock SW	90980–10997
W 2	Washer Motor	90980–10981