FOREWORD

This wiring diagram manual has been prepared to provide information on the electrical system of the RX 300.

Applicable models: MCU15 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.
● LEXUS RX 300 Repair Manual	
Volume 1	RM785E1
Volume 2	RM785E2
● LEXUS RX 300 New Car Features	NCF187E

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.

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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.

AVANT–PROPOS

Ce manuel de schéma de câblage a été préparé pour fournir des informations concernant le système électrique de la RX 300.

Modèles concernés: Séries MCU15

Pour les procédures de réparation et les spécifications de service du modèle ci–dessus autres que celles mentionnées dans ce manuel, se référer aux manuels suivants:

Désignation du manuel	*N° de pub.*
● *Manuel de réparation de LEXUS RX 300 Volume 1*	*RE785K1*
Volume 2	*RE785K2*
● *Caractéristiques de nouveau modèle LEXUS RX 300*	*NCF187K*

Toutes les informations contenues dans ce manuel sont les plus récentes au moment de la mise sous presse. Cependant, les caractéristiques et les méthodes de travail sont susceptibles de subir des modifications sans avis préalable.

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REMARQUE

Veuillez vous conformer scrupuleusement aux instructions formulées dans les manuels de réparation qui sont mentionnés ci–dessus lors de la maniqulation des organes constitutifs du système de retenue complémentaire (au cours des travaux de dépose, repose ou de vérification, etc.) afin d'éviter tout risque d'accident, mais aussi de façon à ne pas enrayer le fonctionnement normal du système de retenue complémentaire.

PROLOGO

Estos manual de diagramas del cableado han sido preparados con la finalidad de ofrecer informaciones acerca del sistema eléctrico de los vehiculos RX 300.

Modelos a los que corresponde: Series MCU15

Para los detalles relacionados con las especificaciones de servicio y los procedimientos de reparación del vehiculo arriba mencionado que no aparezcan en este manual, vea las siguientes publicaciones:

Nombre del manual	*N.° de pub.*
● *Manual de reparaciones del LEXUS RX 300 Volumen 1*	*RM785E1*
Volumen 2	*RM785E2*
● *Características del nuevo vehículo del LEXUS RX 300*	*NCS187E*

Todas las informaciones contenidas en este manual corresponden a las informaciones del producto a la fecha de publicación.
Sin embargo, tanto las especificaciones como los procedimientos quedan sujetos a posibles cambios sin previo aviso.

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AVISO

Cuando manipule los componentes del sistema de limitación suplementario (extracción, instalación, o inspección, etc.), siga siempre las directrices dadas en los manuales de reperaciones arriba enumerados para evitar accidentes y mal funcionamiento del sistema de limitación suplementario.

VORWORT

In dieser Verdrahtungsanleitung wird das elektrische System des RX 300 erklärt.

Modelle: Series MCU15

Für Wartungsdaten und Reparaturanleitungen der obenstehenden Modelle, die nicht in dieser Anleitung aufgeführt sind, wird auf die folgenden Anleitungen verwiesen.

Deutsch

Anleitung	Pub. Nr.
● LEXUS RX 300 Werkstatthandbuch	
Band 1	RM785M1
Band 2	RM785M2
● LEXUS RX 300 Merkmale neuer Fahrzeuge	NCF187M

Alle Informationen dieser Anleitung befinden sich auf dem neuesten Stand zur Zeit der Drucklegung. Wir behalten uns jedoch das Recht vor, Änderungen ohne Vorankündigungen durchführen zu können.

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HINWEIS

Für Arbeiten am Insassen–Rückhaltesystem (Aus– und Einbau, Prüfung usw.) müssen unbedingt die Anweisungen in der Reparaturanleitung befolgt werden, um Unfälle zu vermeiden und die richtige Funktion des Rückhaltesystems zu gewährleisten.

RX 300
ELECTRICAL WIRING DIAGRAM

(English)	Section No.	Page
INTRODUCTION	A	4
HOW TO USE THIS MANUAL	B	5
TROUBLESHOOTING	C	14
ABBREVIATIONS	D	19
GLOSSARY OF TERMS AND SYMBOLS	E	20
RELAY LOCATIONS	F	76
ELECTRICAL WIRING ROUTING	G	90
SYSTEM CIRCUITS	H	126
GROUND POINT	I	442
POWER SOURCE (Current Flow Chart)	J	458
CONNECTOR LIST	K	468
PART NUMBER OF CONNECTORS	M	496
OVERALL ELECTRICAL WIRING DIAGRAM	N	500

English

Français

SCHEMA DE CABLAGE ELECTRIQUE DE LA RX 300

(Français)	*N° de section*	*Page*
INTRODUCTION	*A*	*22*
COMMENT UTILISER CE MANUEL	*B*	*23*
DEPANNAGE	*C*	*32*
ABREVIATIONS	*D*	*37*
GLOSSAIRE DES TERMES ET SYMBOLES	*E*	*38*
EMPLACEMENTS DES RELAIS	*F*	*76*
ACHEMINEMENT DES FILS ELECTRIQUES	*G*	*90*
CIRCUITS DU SYSTEME	*H*	*128*
POINT DE MISE A LA TERRE	*I*	*442*
SOURCE D'ALIMENTATION (Schéma du Courant)	*J*	*458*
LISTE DE CONNECTEUR	*K*	*468*
INFORMATIONS SUR LE CONNECTEUR	*L*	*478*
REFERENCE DES CONNECTEURS	*M*	*496*
SCHEMA GENERAL DE CABLAGE ELECTRIQUE	*N*	*502*

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RX 300
DIAGRAMA DEL CABLEADO ELECTRICO

(Español)	*Sección N.°*	*Página*
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COMO UTILIZAR ESTE MANUAL	*B*	*41*
LOCALIZACION DE AVERIAS	*C*	*50*
ABREVIATURAS	*D*	*55*
GLOSARIO DE TERMINOS Y SIMBOLOS	*E*	*56*
UBICACION DE LOS RELES	*F*	*76*
RECORRIDO DE LOS CABLES ELECTRICOS	*G*	*90*
CIRCUITOS DE SISTEMAS	*H*	*130*
PUNTO DE CONEXION A MASA	*I*	*442*
FUENTE DE ALIMENTACION (Cuadro de flujo de corriente)	*J*	*458*
LISTA DE CONECTORES	*K*	*468*
INFORMACION DE CONECTORES	*L*	*484*
NUMERO DE LAS PARTES DE CONECTORES	*M*	*496*
DIAGRAMA DE CONEXIONES ELECTRICAS GENERAL	*N*	*504*

RX 300
ELEKTRISCHE SCHALTPLÄNE

(Deutsch)	Abschnitt	Seite
EINFÜHRUNG	**A**	**58**
ANWENDUNGSHINWEISE	**B**	**59**
FEHLERSUCHE	**C**	**68**
ABKÜRZUNGEN	**D**	**73**
BEZEICHNUNGEN UND SYMBOLE	**E**	**74**
RELAISPOSITIONEN	**F**	**76**
VERKABELUNG	**G**	**90**
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A INTRODUCTION

This manual consists of the following 14 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	CONNECTOR INFORMATION	Indicates the reference page (See Page) showing the part name corresponding to the part number, and the installation position of the part in the vehicle. (For French, Spanish, German manuals only)
M	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
N	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.)

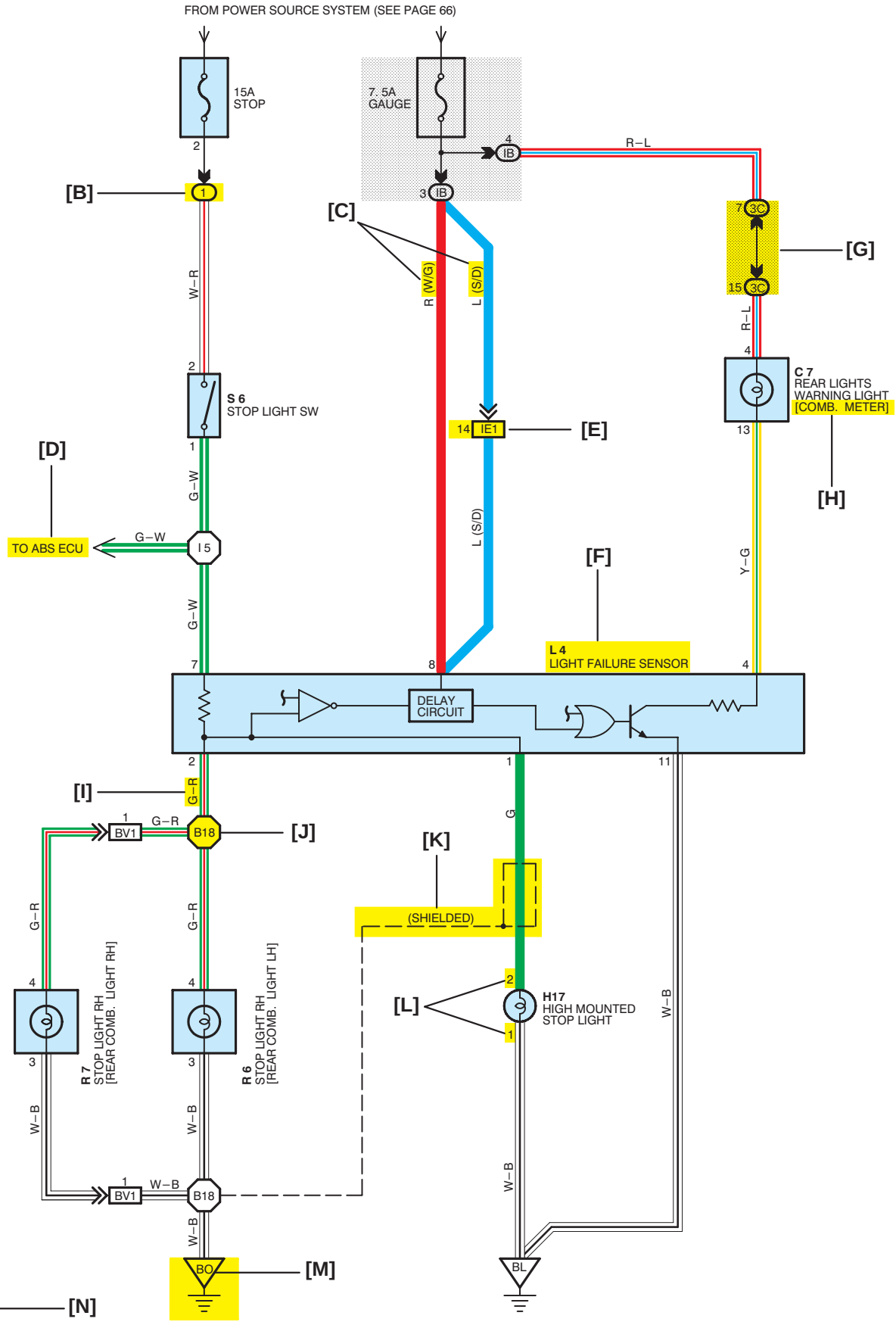
When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Point section). See the System Outline to understand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

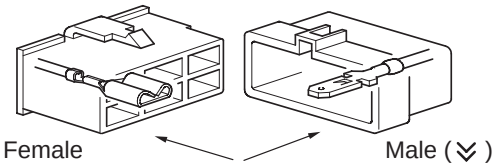
[B] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B

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.



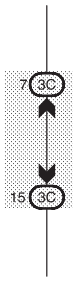
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

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 [ ].

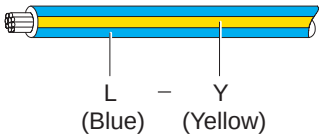
[I] : Indicates the wiring color.

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		

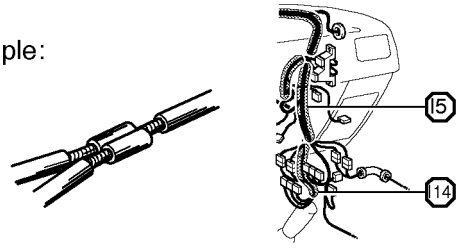
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

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).

Example:



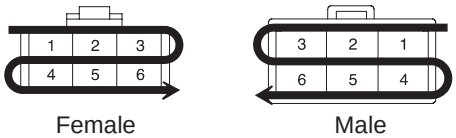
The Location of splice Point I 5 is indicated by the shaded section.

[K] : Indicates a shielded cable.



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

Example:



[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.

English

[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

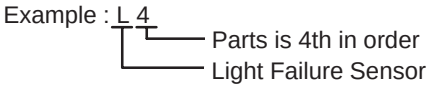
[O] : Explains the system outline.

[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.

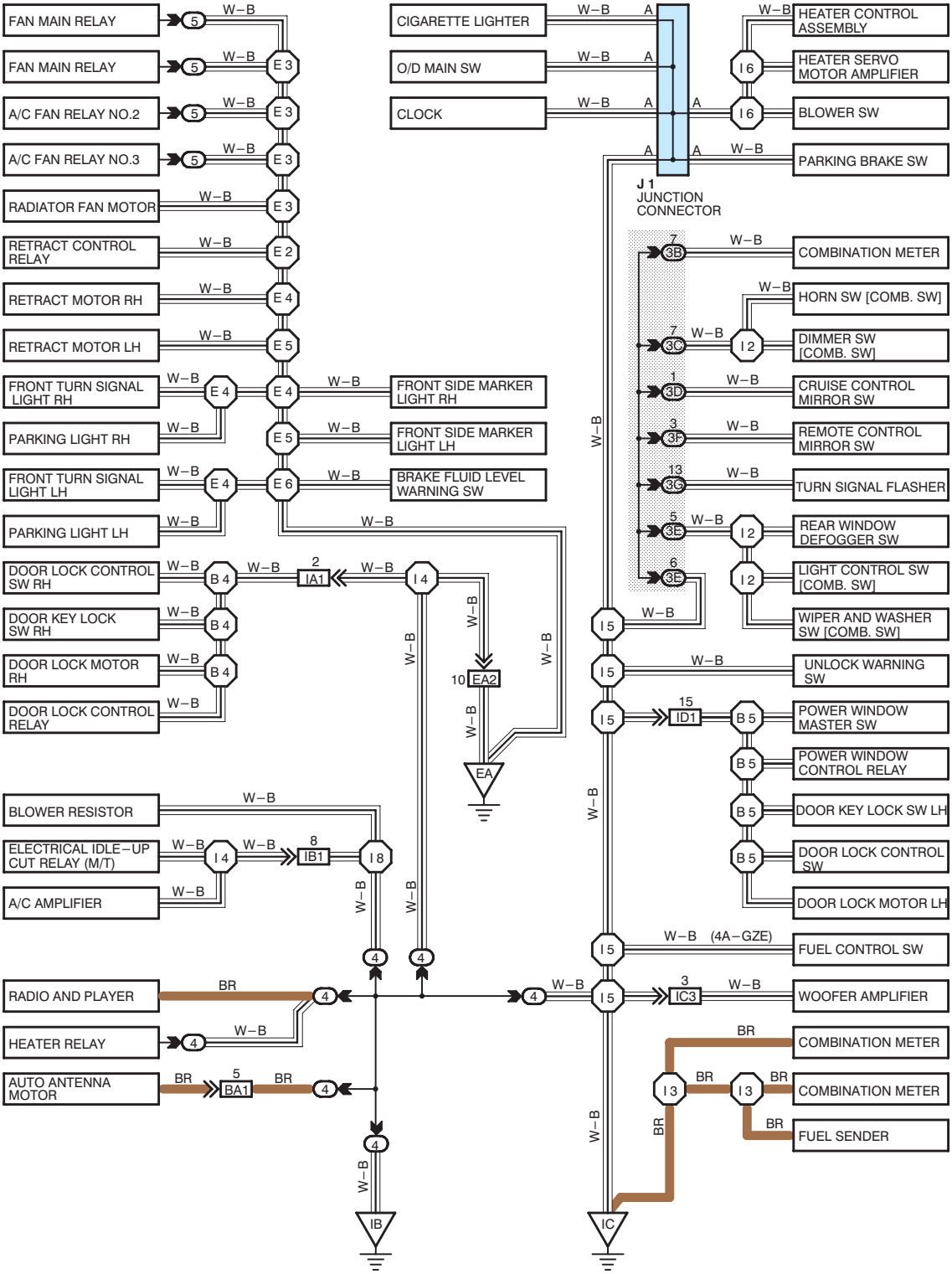
Example : Splice point ”I5” is on the Cowl Wire Harness and is described on page 44 of this manual.

English

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

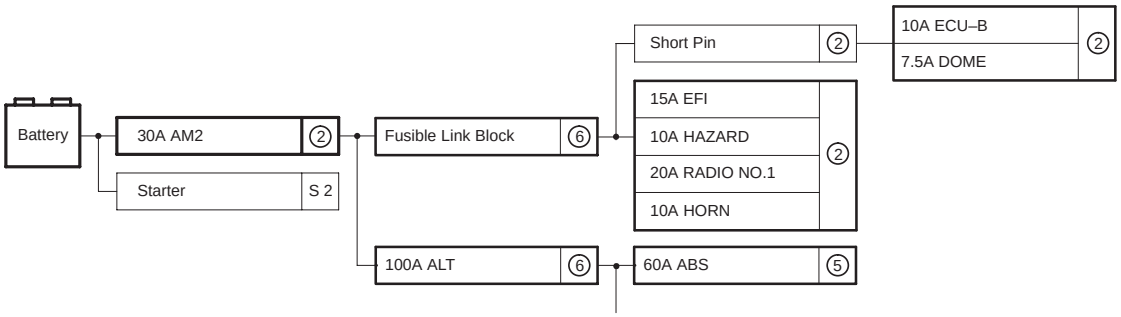


* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

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)

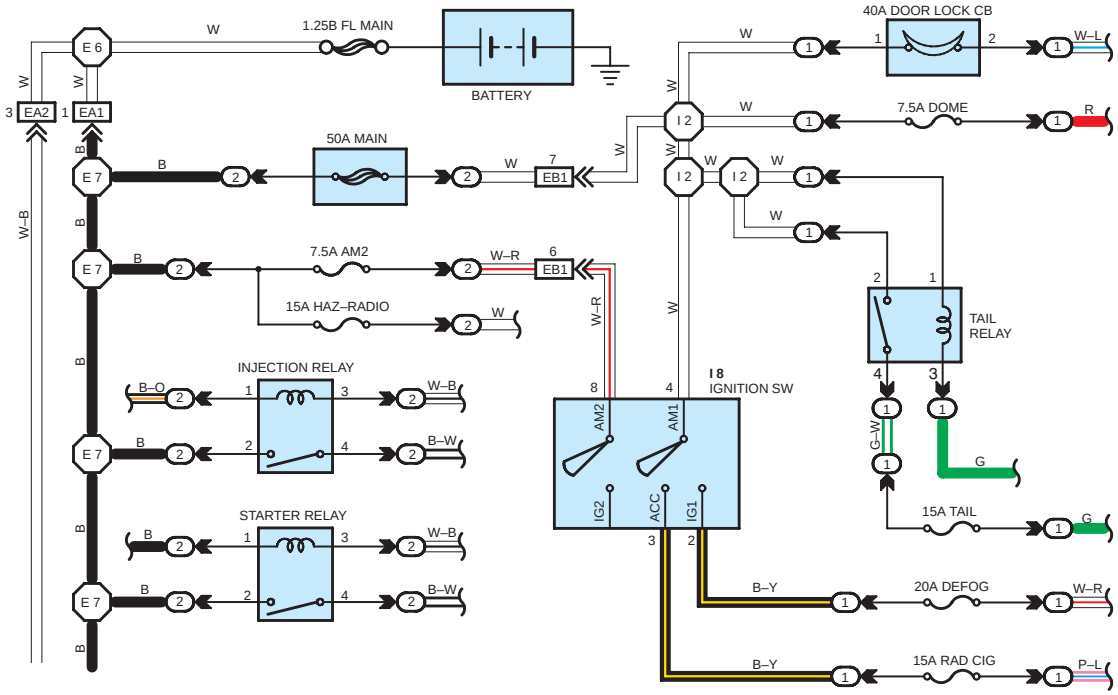
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

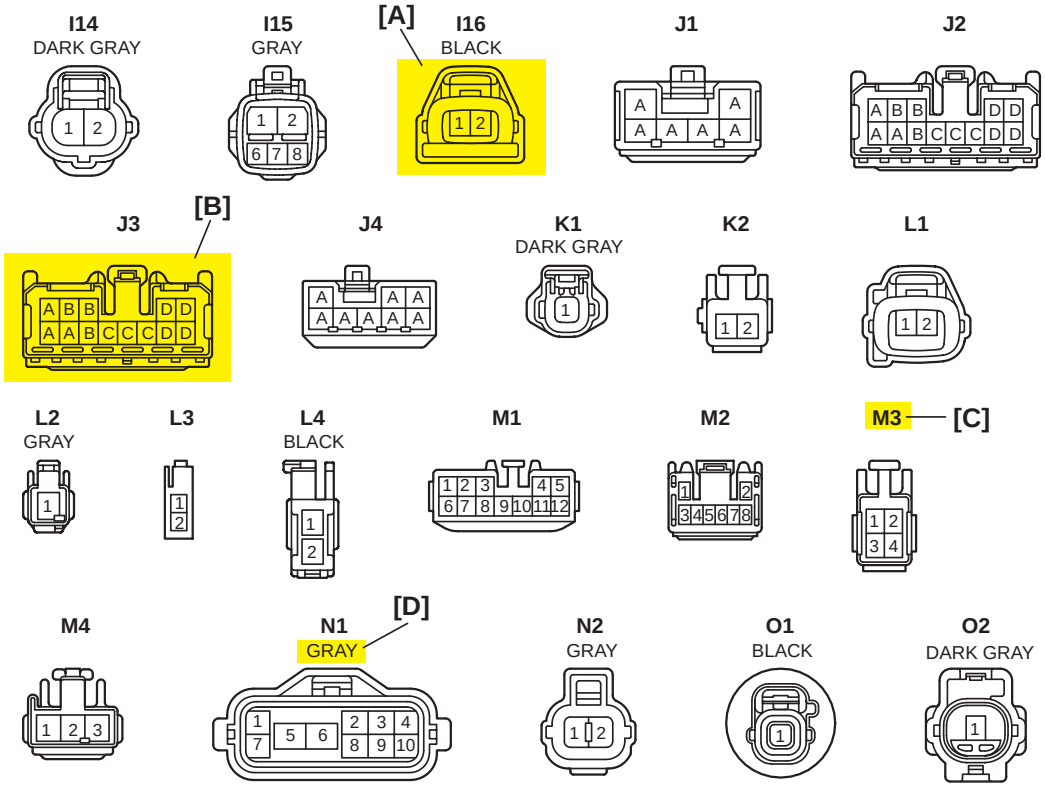
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission and A/T Indicator Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter and Clock Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto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

POWER SOURCE



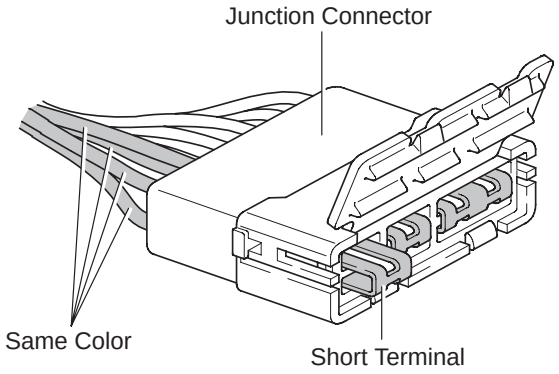
* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

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.

M 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]	909 [C] 413
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
		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] d Unlock SW LH	90980–11170
	[illegible] RH	

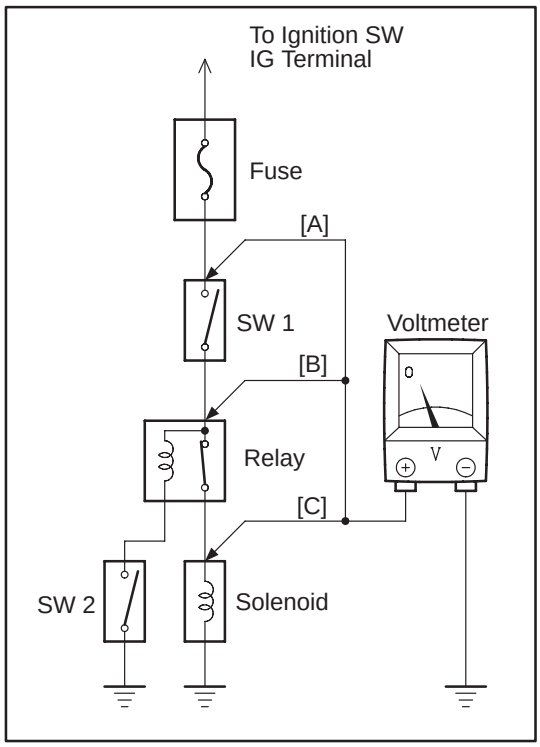
[A] : Part Code

[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.).

English

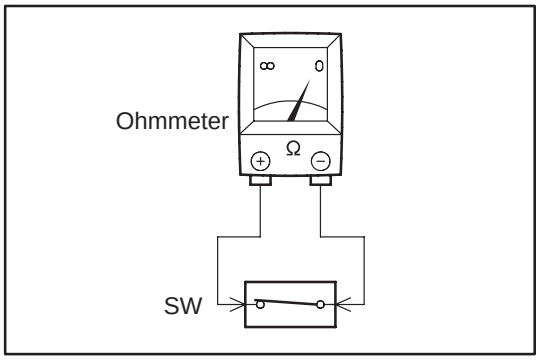


VOLTAGE CHECK

(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)

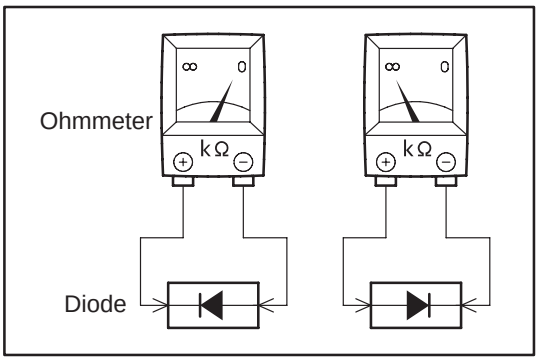
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



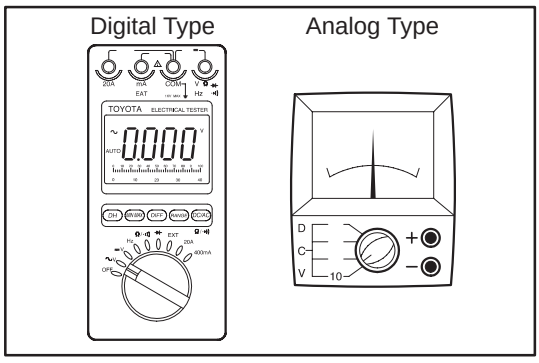
CONTINUITY AND RESISTANCE CHECK

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

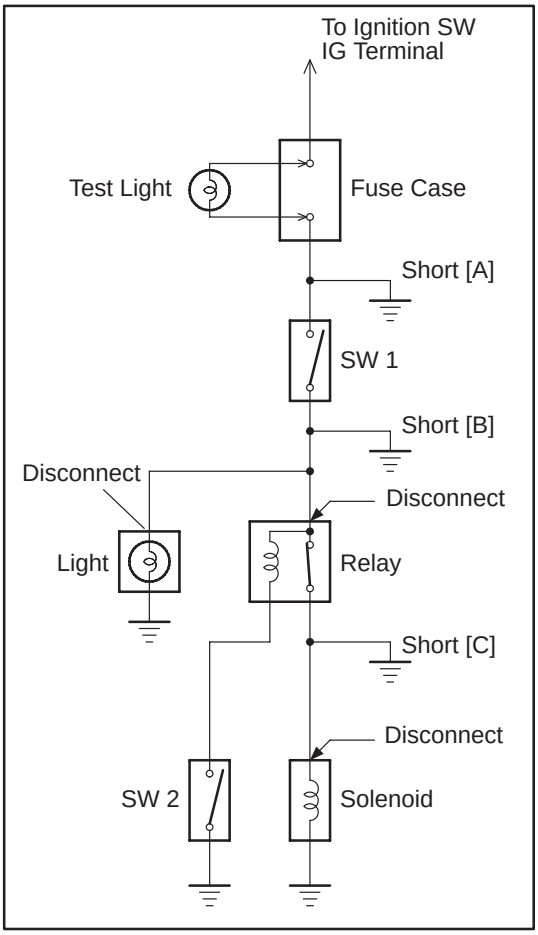
(b) Contact the two leads of an ohmmeter to each of the check points.



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:

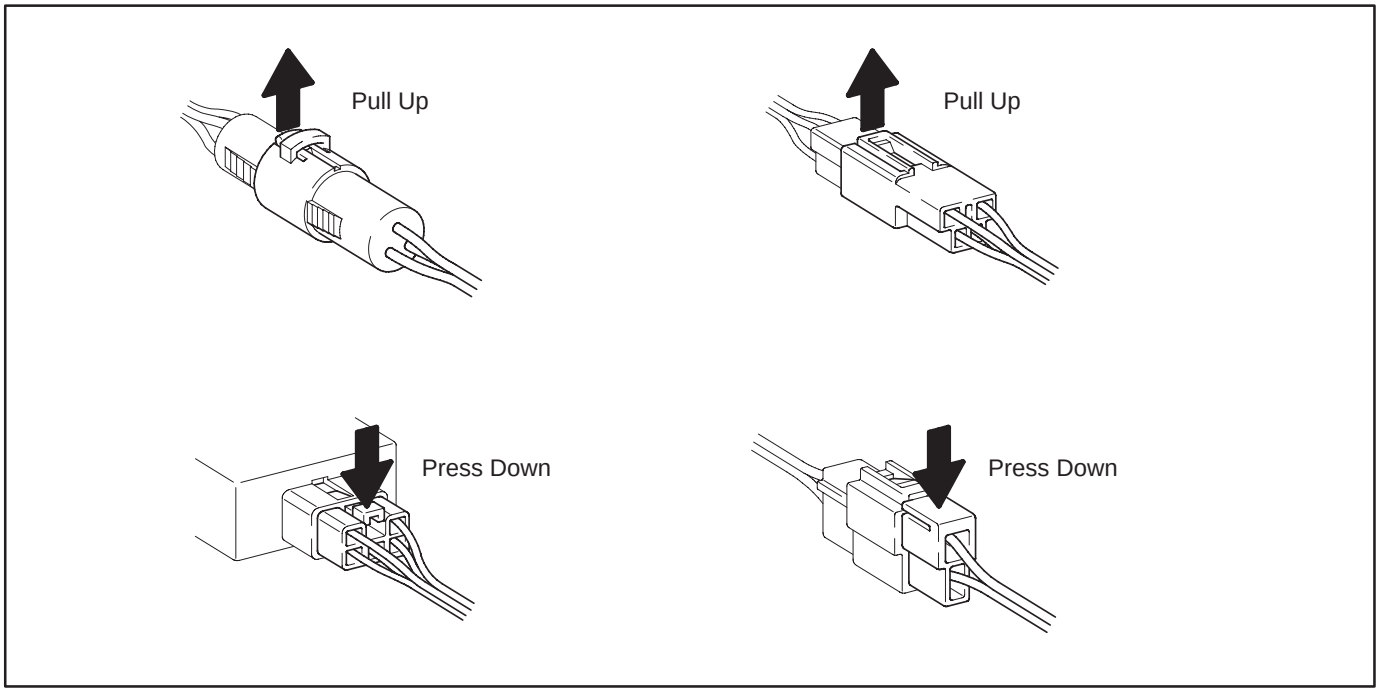
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

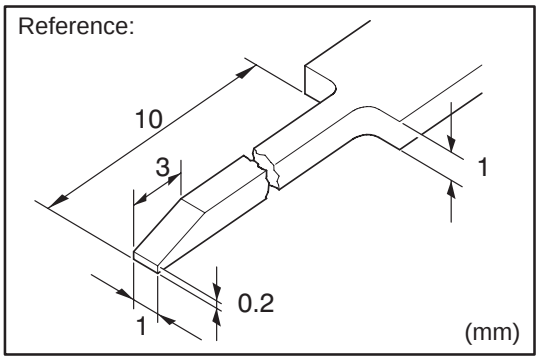
(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

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.



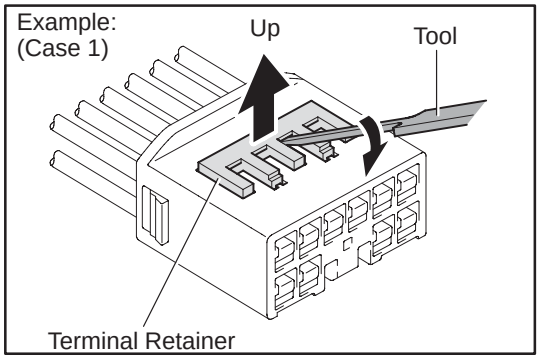


HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

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

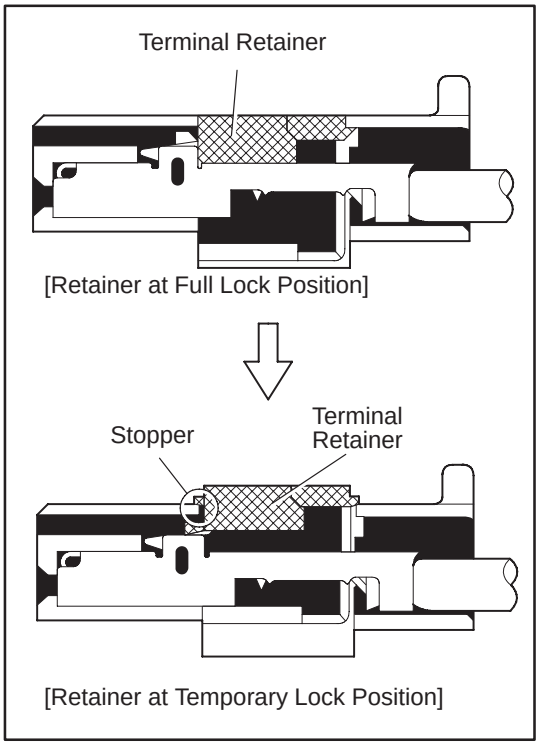


3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

   (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.

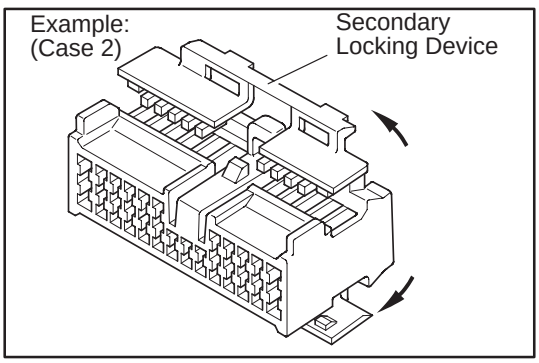


[A] For Non–Waterproof Type Connector

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

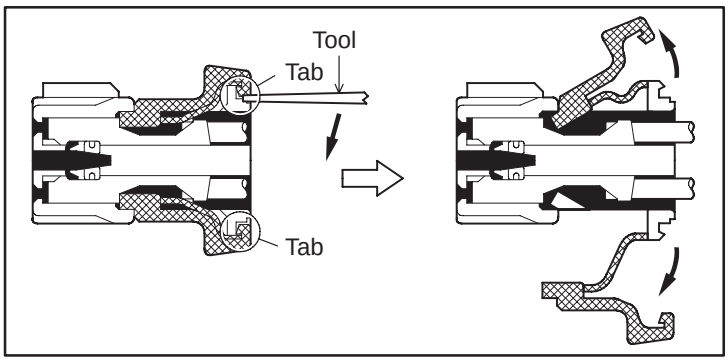
"Case 1"

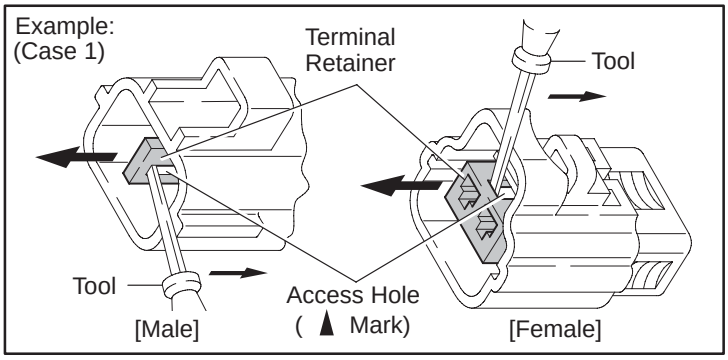
Raise the terminal retainer up to the temporary lock position.



"Case 2"

Open the secondary locking device.



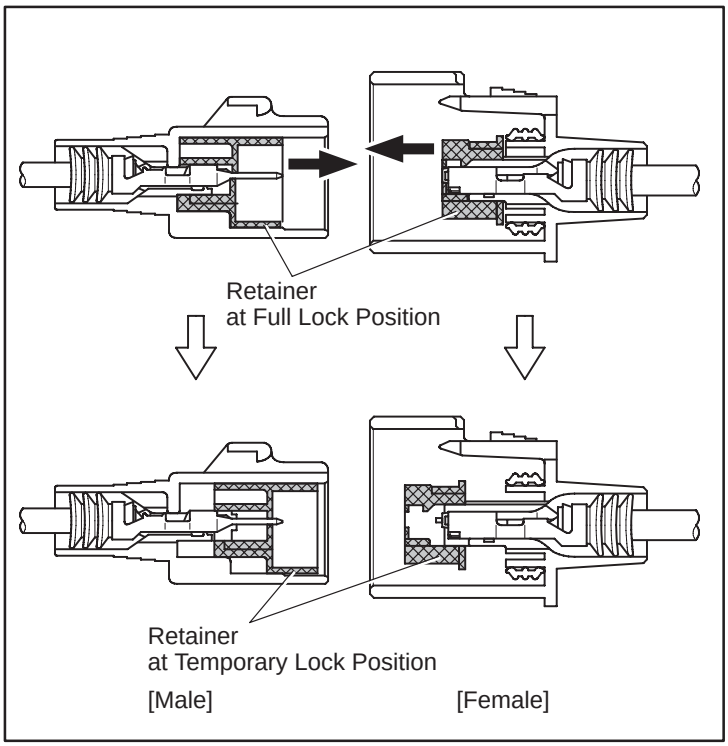


[B] For Waterproof Type Connector

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

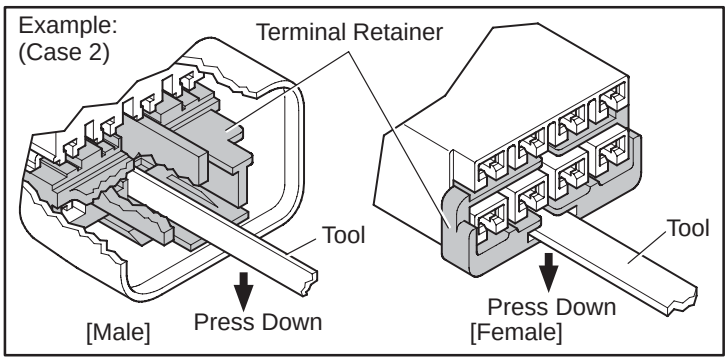


”Case 1”

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

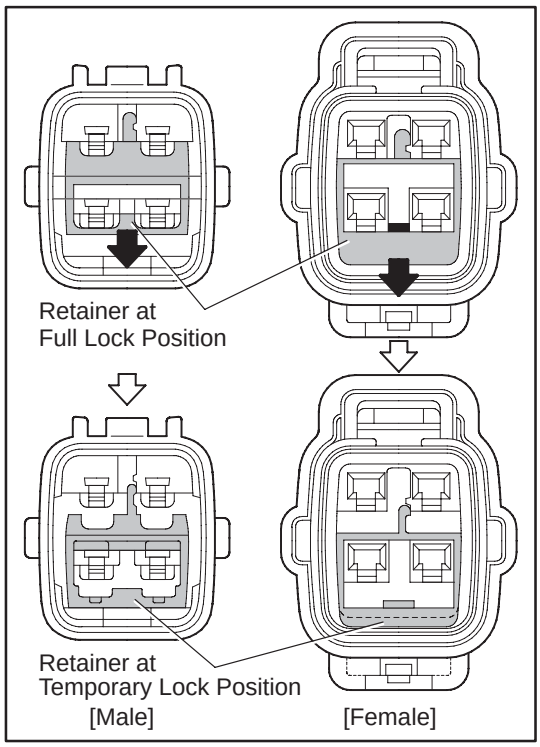
Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

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

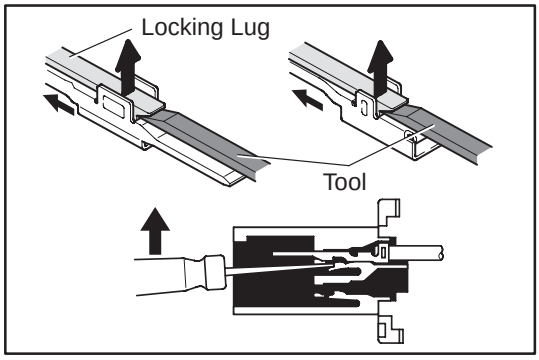


”Case 2”

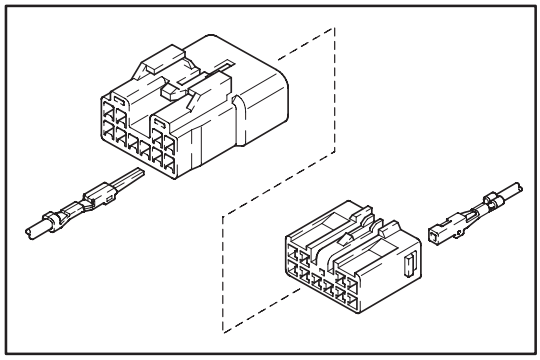
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.



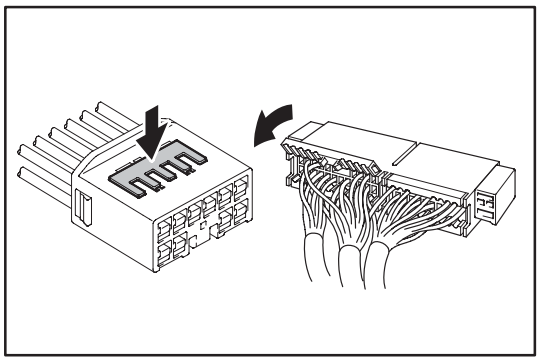
(c) Release the locking lug from terminal and pull the terminal out from rear.



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

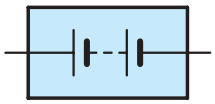
ABBREVIATIONS

The following abbreviations are used in this manual.

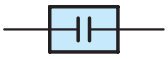
ABS	=	Anti–Lock Brake System
A/C	=	Air Conditioner
ACIS	=	Acoustic Control Induction System
ACM	=	Active Control Engine Mount
A/T	=	Automatic Transaxle
BA	=	Brake Assist
CD	=	Compact Disc
COMB.	=	Combination
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
ESA	=	Electronic Spark Advance
EVAP	=	Evaporative Emission
IC	=	Integrated Circuit
ISC	=	Idle Speed Control
J/B	=	Junction Block
LH	=	Left–Hand
LHD	=	Left–Hand Drive
O/D	=	Overdrive
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
VVT	=	Variable Valve Timing
w/	=	With
w/o	=	Without

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

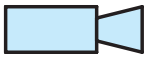
E GLOSSARY OF TERMS AND SYMBOLS



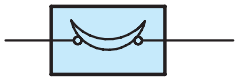
BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.



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



CIGARETTE LIGHTER
An electric resistance heating element.



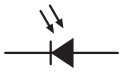
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.



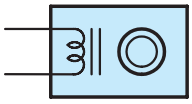
DIODE
A semiconductor which allows current flow in only one direction.



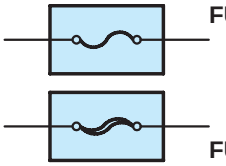
DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



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.

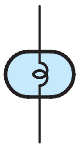
(for Medium Current Fuse)

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

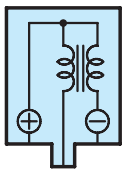


2. DOUBLE FILAMENT

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.

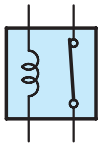


METER, DIGITAL
Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.

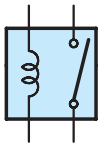


MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

RELAY



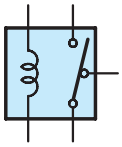
1. NORMALLY CLOSED



2. NORMALLY OPEN

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

RELAY, DOUBLE THROW



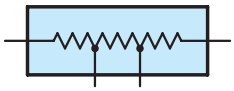
A relay which passes current through one set of contacts or the other.

RESISTOR



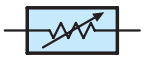
An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.

RESISTOR, TAPPED



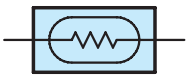
A resistor which supplies two or more different non adjustable resistance values.

RESISTOR, VARIABLE or RHEOSTAT



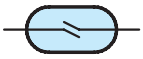
A controllable resistor with a variable rate of resistance.
Also called a potentiometer or rheostat.

SENSOR (Thermistor)



A resistor which varies its resistance with temperature.

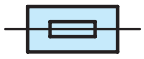
SENSOR, SPEED



(Reed Switch Type)

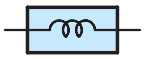
Uses magnetic impulses to open and close a switch to create a signal for activation of other components.

SHORT PIN



Used to provide an unbroken connection within a junction block.

SOLENOID



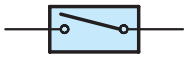
An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.

SPEAKER

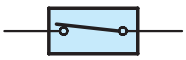


An electromechanical device which creates sound waves from current flow.

SWITCH, MANUAL



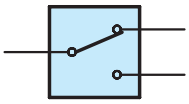
1. NORMALLY OPEN



2. NORMALLY CLOSED

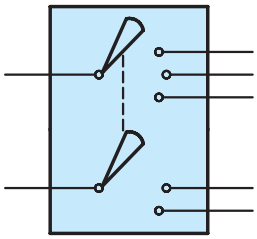
Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.

SWITCH, DOUBLE THROW



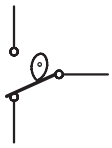
A switch which continuously passes current through one set of contacts or the other.

SWITCH, IGNITION



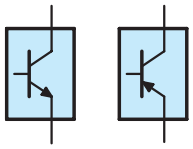
A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.

SWITCH, WIPER PARK



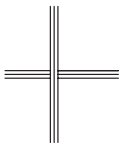
Automatically returns wipers to the stop position when the wiper switch is turned off.

TRANSISTOR

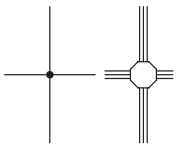


A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at "base".

WIRES



(1) NOT CONNECTED



(2) SPLICED

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

A INTRODUCTION

Ce manuel comprend les 14 sections suivantes:

N°	Section	Description
A	INDEX	Index du contenu de ce manuel.
	INTRODUCTION	Courte explication de chaque section.
B	COMMENT UTILISER CE MANUEL	Instructions sur la manière d'utiliser ce manuel.
C	DEPANNAGE	Décrit les procédures d'inspection de base pour les circuits électriques.
D	ABREVIATIONS	Définit les abréviations utilisées dans ce manuel.
E	GLOSSAIRE DES TERMES ET SYMBOLES	Définit les symboles et fonctions des pièces majeures.
F	EMPLACEMENTS DES RELAIS	Indique la position de l'Unité de Commande Electronique, les relais, les blocs de relais, etc. Cette section est étroitement liée au circuit du système.
G	ACHEMINEMENT DES FILS ELECTRIQUES	Décrit la position des connecteurs de pièces, points d'épissure, points de mise à la terre, etc. Cette section est étroitement liée au circuit du système.
H	INDEX	Index des circuits du système.
	CIRCUITS DU SYSTEME	Les circuits électriques de chaque système sont indiqués à partir de l'alimentation électrique à travers les points de mise à la terre. Les connexions de câblage et leurs positions sont indiquées et classifiées par code selon la méthode de connexion. (Se référer à la section "Comment utiliser ce manuel"). Les paragraphes "Généralités du système" et "Notes de service" utiles pour le dépannage sont également contenus dans cette section.
I	POINT DE MISE A LA TERRE	Indique les positions de mise à la terre de toutes les pièces décrites dans ce manuel.
J	SOURCE D'ALIMENTATION (Schéma du Courant)	Décrit la distribution de l'alimentation à partir de l'alimentation électrique aux diverses charges électriques.
K	LISTE DE CONNECTEUR	Décrit la forme des connecteurs pour les pièces qui apparaissent dans ce livre. Cette section est étroitement liée au circuit du système.
L	INFORMATIONS SUR LE CONNECTEUR	Pages à voir concernant les désignations des pièces et leur emplacement sur le véhicule.
M	REFERENCE DES CONNECTEURS	Indiques les références des connecteurs utilisées dans ce manuel.
N	SCHEMA GENERAL DE CABLAGE ELECTRIQUE	Fournit les diagrammes de circuit indiquant les connexions de circuit.

Ce manuel fournit des informations sur les circuits électriques installés sur les véhicules en les divisant en chaque circuit de système.

Le câblage effectif de chaque circuit de système est indiqué du point où la source d'alimentation est reçue de la batterie jusqu'à chaque point de mise à la terre. (Tous les schémas de circuit sont indiqués avec les commutateurs en position déconnectée "OFF".)

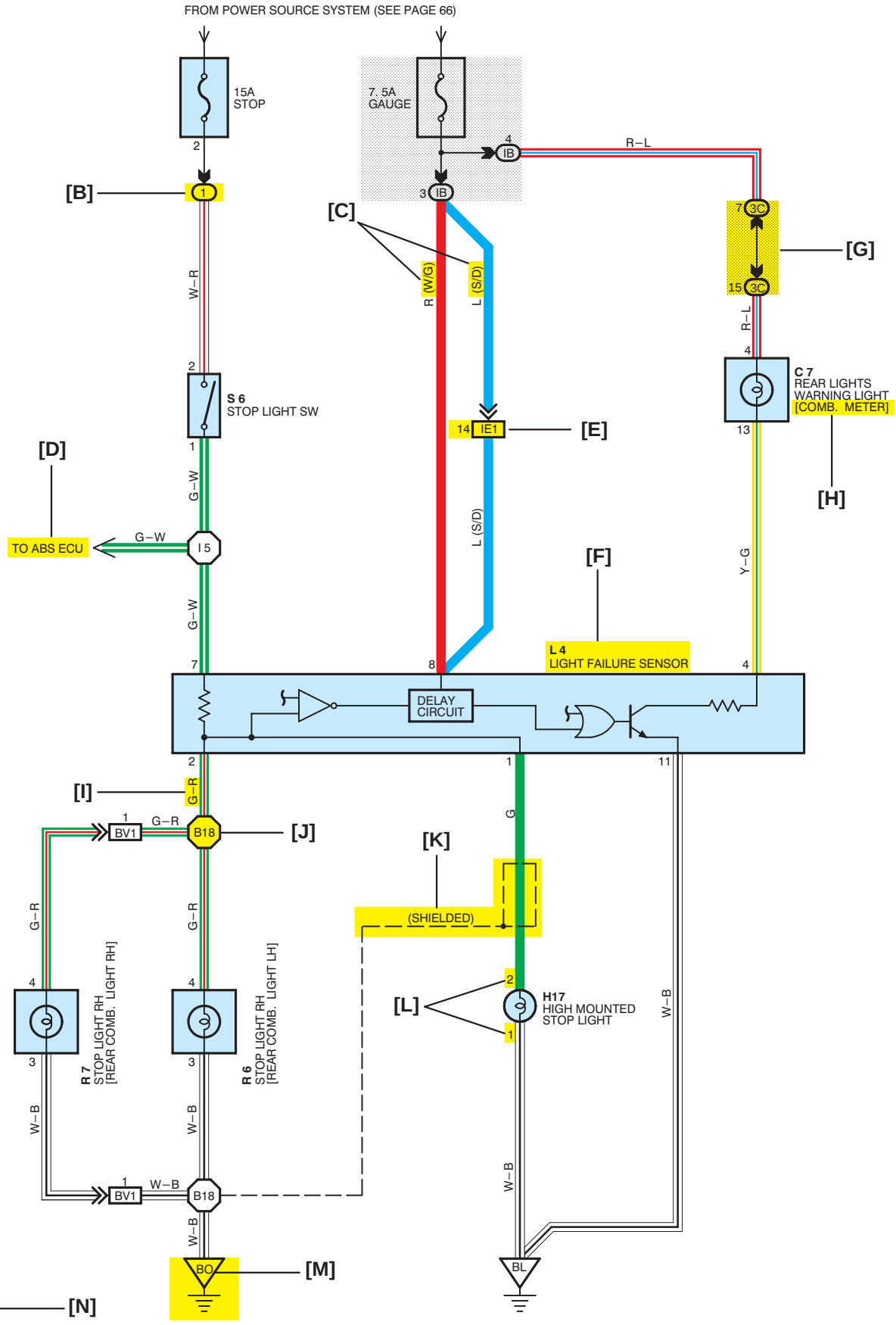
Lorsque l'on effectue un dépannage, il est nécessaire de comprendre tout d'abord le fonctionnement du circuit où le problème a été détecté (se référer à la section de Circuit du Système), l'alimentation de la source vers ledit circuit (se référer à la section de Source d'Alimentation) et les points de mise à la terre (se référer à la section de Point de Mise à la Terre). Voir les Données Générales du Système pour bien comprendre le fonctionnement du circuit.

Lorsque le fonctionnement du circuit est bien compris, commencer les travaux de dépannage du circuit présentant le problème, afin d'isoler la cause du problème. Utiliser les sections Acheminement des Fils Electriques et Emplacements des Relais pour localiser les connecteurs de chaque faisceau de câblage, boîte de dérivation et pièce, ainsi que les points de mise à la terre de chaque circuit de système. Le câblage interne de chaque boîte de dérivation est également fourni pour une meilleure compréhension de connexion dans une boîte de dérivation. Le câblage correspondant à chaque système est indiqué dans chaque circuit de système par des flèches (de__, à__). Lorsque les connexions totales sont nécessaires, voir le Schéma de Câblage Total à la fin de ce manuel.

[A]

STOP LIGHT

* *Le système qui est ici représenté NE L'EST QU'A TITRE D'EXEMPLE. Il est différent du circuit réel représenté dans la SECTION CIRCUITS DE SYSTEME.*



[A] : *Titre du système*

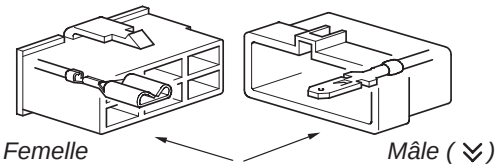
[B] : *Indique un bloc de relais. Aucune hachure n'est utilisée et seulement le N˚. du bloc de relais est indiqué pour le distinguer du J/B.*

Exemple: (1) indique le bloc de relais N˚1

[C] : *( ) s'utilisent pour indiquer différents câblages et connecteurs, etc. lorsque le modèle de véhicule, le type de moteur ou les spécifications sont différentes.*

[D] : *Indique un système correspondant.*

[E] : *Indique le connecteur de faisceau de câblage et le faisceau de câblage. Le faisceau de câblage avec la borne type mâle est indiqué par des fièches (»).*
Les chiffres externes représentent les numéros de broches.

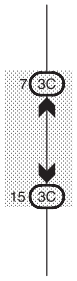


La première lettre du code pour chaque faisceau de fils et connecteur(s) de faisceau de fils indique l'emplacement du composant, p.e. "E" pour le compartiment du moteur, "I" pour le tableau de bord et zone alentour et "B" pour la carrosserie et zone alentour. Lorsque plus d'un code ont les première et deuxième lettres en commun, suivies par des chiffres (p.e. IH–1, IH–2), cela indique le même type de faisceau de fils et de connecteur de faisceau de fils.

[F] : *Représente une pièce (toutes les pièces sont indiquées en bleu ciel). Le code est identique à celui utilisé dans l'emplacement des pièces.*

[G] : *Boîte de dérivation (le numéro dans le cercle représente le N˚ J/B et le code du connecteur est indiqué à côté). Les boîtes de dérivation sont hachurées pour les séparer des autres pièces.*

Exemple:



3C indique qu'il est à l'intérieur de la boîte de dérivation N˚3.

[H] : *Lorsque les 2 pièces utilisent un connecteur en commun, la désignation de connecteur de pièse utilisée dans la section d'acheminement des fils est indiquée entre parenthèses à bouts en angle droit [ ].*

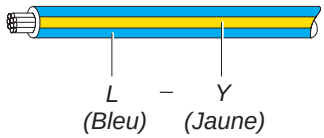
[I] : *Indique la couleur de câblage.*

Les couleurs des fils sont indiquées par un code alphabétique.

B	= *Noir*	*W*	= *Blanc*	*BR*	= *Marron*
L	= *Bleu*	*V*	= *Violet*	*SB*	= *Bleu ciel*
R	= *Rouge*	*G*	= *Vert*	*LG*	= *Vert clair*
P	= *Rose*	*Y*	= *Jaune*	*GR*	= *Gris*
O	= *Orange*				

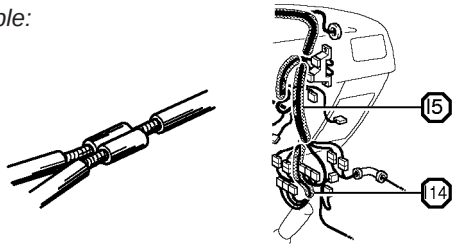
La première lettre indique la couleur de fil de base et la deuxième lettre indique la couleur de la bande.

Exemple: L – Y



[J] : *Indique un point d'épissure de câblage (les codes sont "E" pour le compartiment moteur, "I" pour le tableau de bord et "B" pour la carrosserie).*

Exemple:



L'emplacement du point d'épissure I5 est indiqué par la section hachurée.

[K] : *Indique un faisceau de câblage scellé.*



[L] : *Indique le numéro de broche du connecteur. Le système de numérotage est différente pour les connecteurs type mâles et femelles.*

Exemple: *Numéroté en ordre de la gauche supérieure vers la droite inférieure.* *Numéroté en ordre de la droite supérieure vers la gauche inférieure.*



Femelle *Mâle*

[M] : *Indique un point de mise à la terre.*

La première lettre du code pour chaque point(s) de masse indique l'emplacement du composant, p.e. "E" pour le compartiment du moteur, "I" pour le tableau de bord et zone alentour et "B" pour la carrosserie et zone alentour.

[N] : *N˚ de page*

[O] SYSTEM OUTLINE *(DONNEES GENERALES DU SYSTEME)*

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 *(NOTES DE SERVICE)*

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 *(EMPLACEMENT DES PIECES)*

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

[R] : RELAY BLOCKS *(BLOCS DE RELAIS)*

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

[S] : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR *(BOITE DE DERIVATION ET CONNECTEUR DE FAISCEAU DE CABLAGE)*

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 *(FAISCEAU DE CABLAGE DE JONCTION CONNECTEUR ET FAISCEAU DE CABLAGE)*

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 *(POINTS DE MISE A LA TERRE)*

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

[V] : SPLICE POINTS *(POINTS D'EPISSURE)*

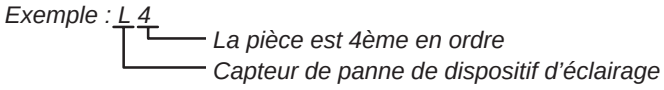
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

[O] *: Explique les données générales du système.*

[P] *: Indique les valeurs ou explique la fonction pour référence durant le dépannage.*

[Q] *: Indique la page de référence montrant la position sur le véhicule des pièces du circuit du système.*

Exemple : La pièce "L4" (capteur de panne de dispositif d'éclairage) se trouve à la page 36 du manuel.
∗ La lettre dans le code est à partir de la première lettre de la pièce, et le numéro indique son ordre en pièces commençant avec cette lettre.



[R] *: Indique la page de référence montrant la position sur le véhicule des connecteurs de bloc de relais du circuit du système.*

Exemple : Le conneteur "1" est décrit à la page 18 de ce manuel et est installé sur la gauche du tableau de bord.

[S] *: Indique la page de référence montrant la position sur le véhicule de la boîte de dérivation et du faisceau de câblage du circuit du système.*

Exemple : Le connecteur "3C" connecte le fil d'auvent et la boîte de dérivation N°3. Il est décrit à la page 22 de ce manuel, et est installé sur le tableau de bord côté gauche.

[T] *: Indique la page de référence décrivant le faisceau de câblage et le connecteur de faisceau de câblage (le faisceau de câblage type femelle est indiqué en premier, suivi du faisceau de câblage type mâle).*

Exemple : Le connecteur "IE1" connecte le fil côté droit de la porte avant (type femelle) et le fil d'auvent (type mâle). Il est décrit à la page 42 de ce manuel, et est installé sur le panneau de protection côté droit.

[U] *: Indique la page de référence montrant la position des points de mise à la terre sur le véhicule.*

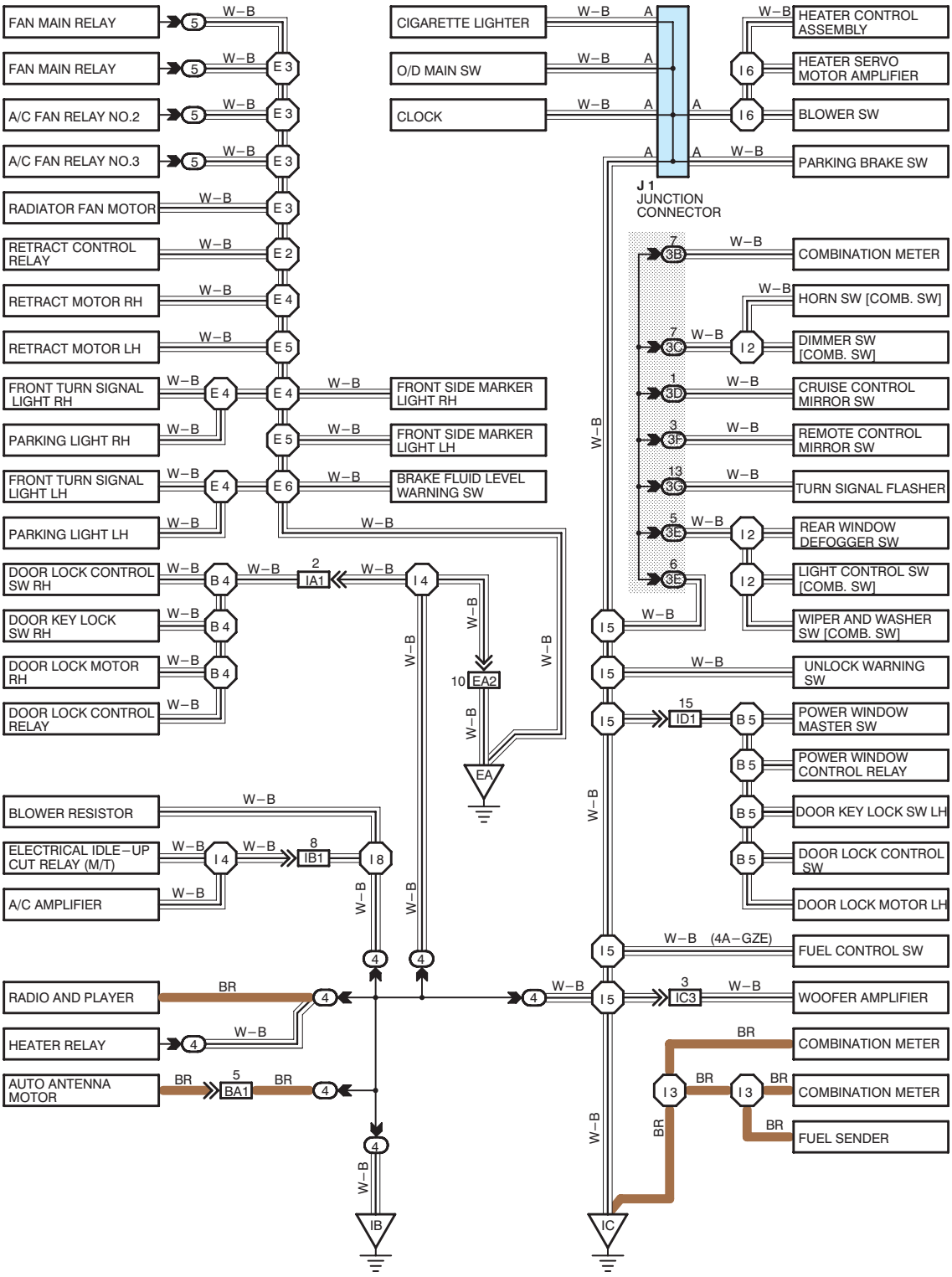
Exemple : Le point de mise à la terre "BO" est décrit à la page 50 de ce manuel et est installé sur le côté gauche de l'auvent.

[V] *: Indique la page de référence montrant la position des points d'épissure sur le véhicule.*

Exemple : Le point d'épissure "I5" se trouve sur le faisceau de câblage de l'auvent et est décrit à la page 44 de ce manuel.

Le schéma des points de mise à la terre indique les connexions à partir de toutes les pièces majeures vers les points de mise à la terre respectifs. Lorsque l'on effectue le dépannage d'un point de mise à la terre défectueux, il sera nécessaire de vérifier les circuits du système qui utilisent une mise à la terre commune pour permettre d'identifier rapidement le problème de la mise à la terre. Le rapport entre les points de mise à la terre (EA, IB *et* IC *indiqués ci–après) peut être vérifié aussi de cette manière.*

I GROUND POINT

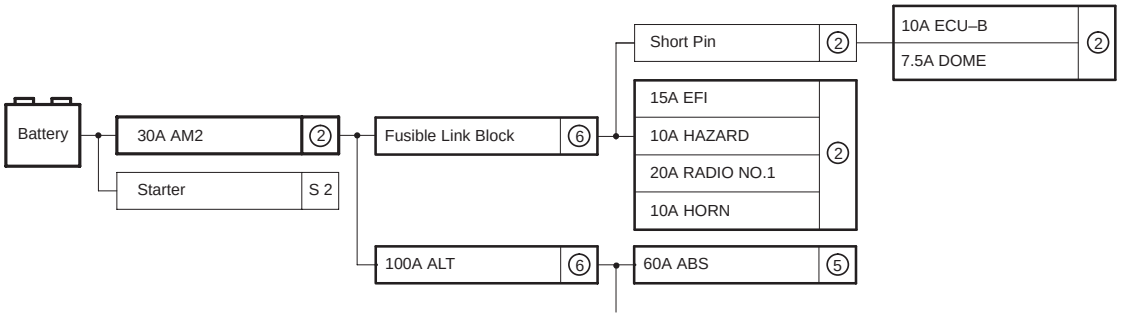


* *Le système qui est ici représenté NE L'EST QU'A TITRE D'EXEMPLE. Il est différent du circuit réel représenté dans la SECTION CIRCUITS DE SYSTEME.*

La section "Schéma du Courant" décrit les pièces auxquelles l'alimentation fournit le courant (fusibles, lames fusibles et disjoncteurs). Dans le schéma du circuit d'alimentation, une explication est donnée sur les conditions qui se présentent lorsque l'alimentation est fournie à chaque système. Comme tous les schémas de circuit du système partent de la source d'alimentation, le système d'alimentation doit être bien compris.

J POWER SOURCE (Current Flow Chart)

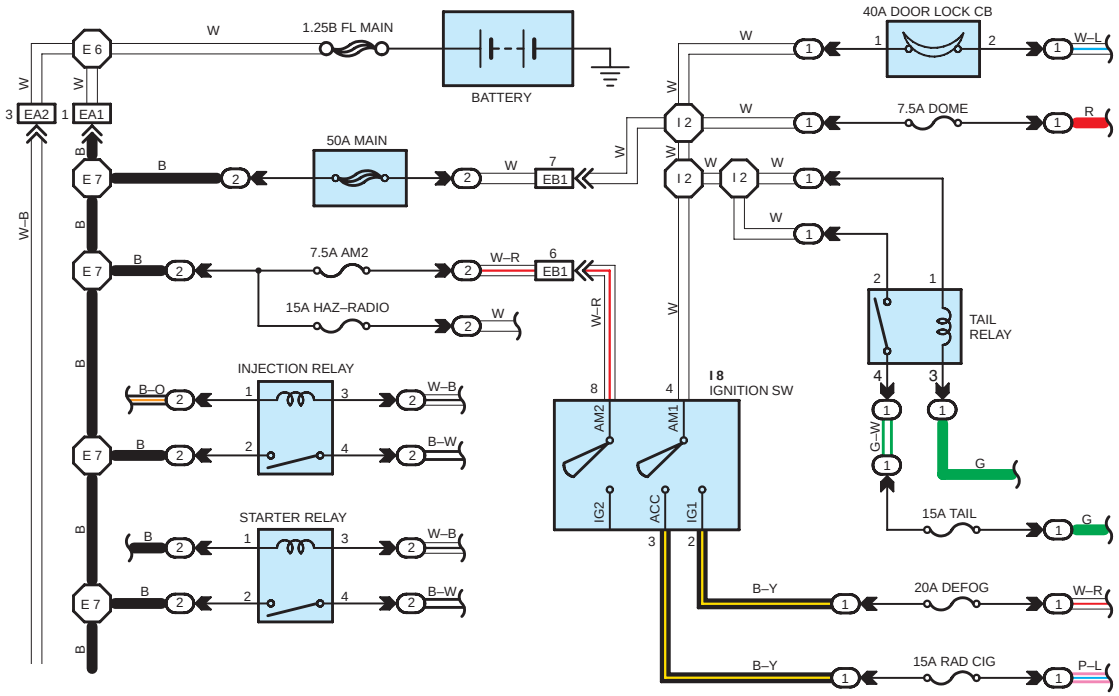
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

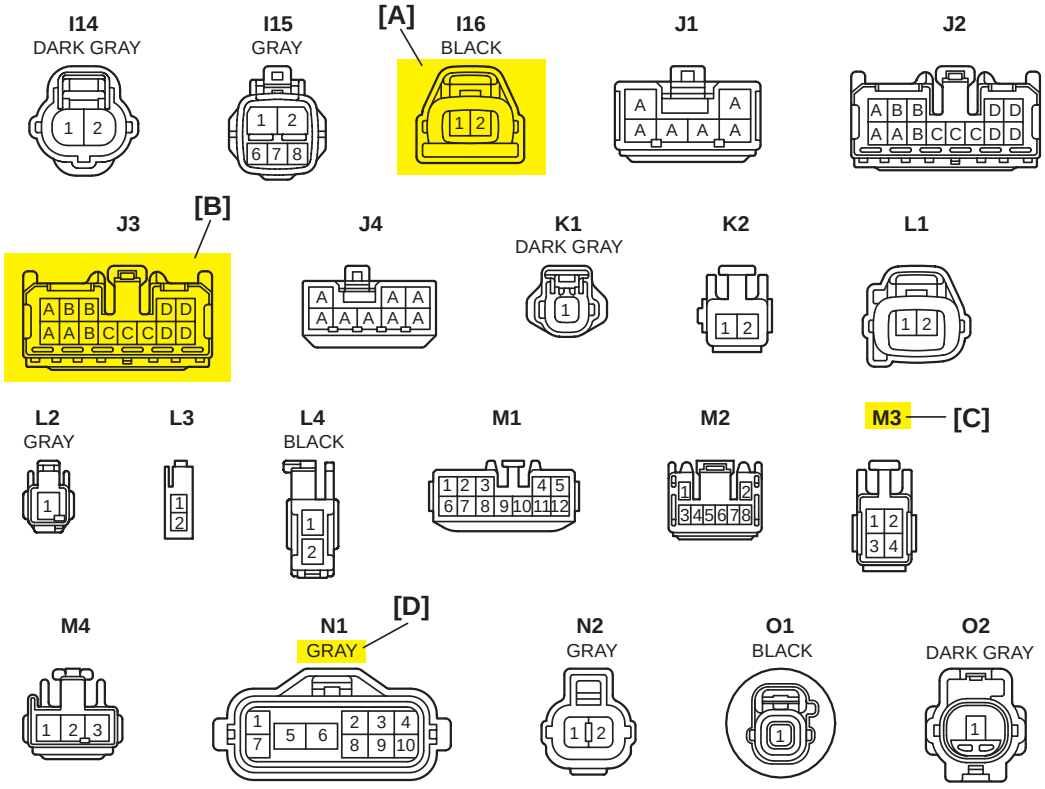
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission and A/T Indicator Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter and Clock Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto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

POWER SOURCE



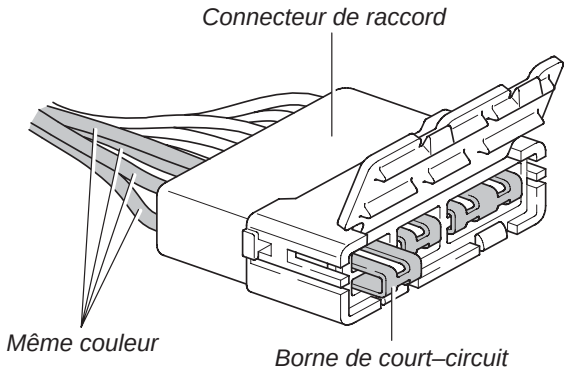
* *Le système qui est ici représenté NE L'EST QU'A TITRE D'EXEMPLE. Il est différent du circuit réel représenté dans la SECTION CIRCUITS DE SYSTEME.*

K CONNECTOR LIST



[A] : *Indique le connecteur devant être branché sur une pièce. (le chiffre indique le N° de broche)*

[B] : *Connecteur de raccord*
Indique le connecteur relié à la borne de court–circuit.



Le connecteur de raccord dans ce manuel comprend une borne de court–circuit qui est connectée à un nombre de faisceaux de fils. Vérifier toujours avec la borne de court–circuit en place.
(Lors de l'installation des faisceaux de fils, les faisceaux peuvent être connectés en toute position dans le groupement de borne de court–circuit. En conséquence, dans les autres véhicules, la même position dans la borne de court–circuit peut être connectée à un faisceau de fils d'une pièce différente).
Les faisceaux de fils partageant le même groupement de borne de court–circuit ont la même couleur.

[C] : *Code des pièces*
La première lettre du code est la première lettre de la désignation d'une pièce en question et un chiffre qui suit signifie l'ordre de cette pièce parmi celles ayant ladite première lettre.

[D] : *Couleur du connecteur*
Les connecteurs non indiqués sont en blanc laiteux.

L INFORMATIONS SUR LE CONNECTEUR

Code	Voire page	Désignation des pièces
A 1	20 (LHD 4A–FE)	Moteur de ventilateur de condenseur de A/C
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 2	20 (LHD 4A–FE)	Accouplement magnétique de A/C
	30 (RHD 4A–FE)	
A 3 [A]	20 (LHD 4A–FE) [B]	Accouplement magnétique de A/C et capteur de blocage [C]
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 4	20 (LHD 4A–FE)	Triple pressostat de A/C (double pressostat et pressostat
	22 (LHD 4E–FE)	

Code	Voire page	Désignation des pièces
D 4	24 (LHD)	Diode (O/D)
	34 (RHD)	
D 5	24 (LHD)	Récepteur de commande de porte
	34 (RHD)	
D 6	34 (RHD)	Relais de commande de condamnation de porte
D 7	24 (LHD)	Commande de condamnation de porte
	34 (RHD)	
D 8	26 (LHD S/D)	Diode (d'éclairage de courtoisie sur porte)
	28 (LHD W/G)	
	36 (RHD S/D)	
	38 (RHD W/G)	

[A] : *Code des pièces*

[B] : *Voire page*
Pages à voir concernant le circuit de système, montrant l'emplacement de la pièce sur le véhicule.

[C] : *Désignation des pièces*

M 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]	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980–10943 [C]
	A/T Oil Temp. Sensor [B]	909 413
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		90980–11194
		90980–11

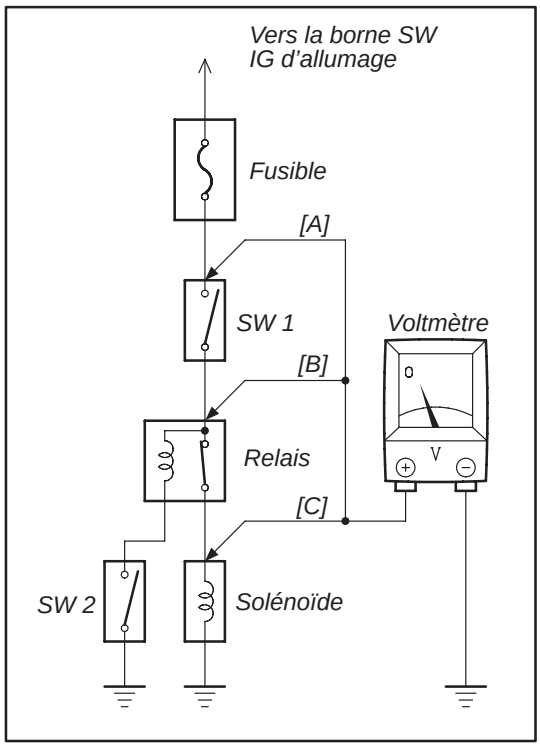
Code	Part Name	Part Number
D 4	Diode (Door Courtesy Light)	90980–11608
D 5	Diode (Key Off Operation)	90980–10962
D 6	Diode (Luggage Compartment Light)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Courtesy Light LH	90980–11148
D 9	Door Courtesy Light RH	
D10	Door Courtesy SW LH	90980–11097
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	d Unlock SW LH	90980–11170
	RH	

[A] : *Code des pièces*

[B] : *Désignation des pièces*

[C] : *Référence*
Références TOYOTA.

Toutes les références du connecteur ne sont pas définies pour la fourniture. Pour passer une commande d'un connecteur ou d'une borne avec fil, prière de vérifier préalablement si cette pièce est bien disponible en se reportant à "Parts Catalog News" (publié par le Département de la Gestion de l'Ingénierie).



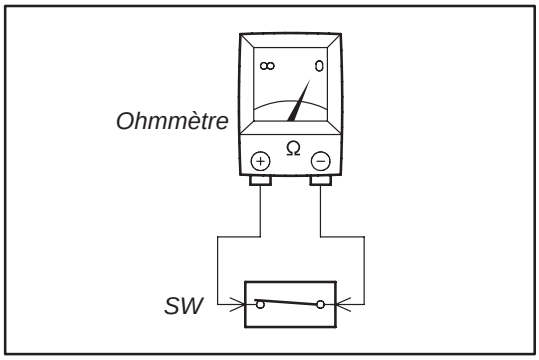
VERIFICATION DE TENSION

(a) *Etablir les conditions dans lesquelles la tension est présente au point de contrôle.*

Exemple:

[A] – CONTACTEUR d'allumage sur "ON"
[B] – CONTACTEUR d'allumage et SW 1 sur "ON"
[C] – CONTACTEUR d'allumage, SW 1 et Relais sur "ON" (SW 2 sur "OFF")

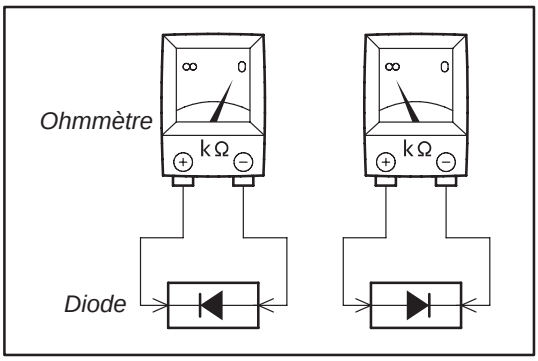
(b) *En utilisant un voltmètre, connecter le fil négatif à une point de mise à la terre approprié ou à la borne de batterie négative, et le fil positif au connecteur ou borne de composants. Cette vérification peut s'effectuer avec une lampe à mesurer au lieu du voltmètre.*



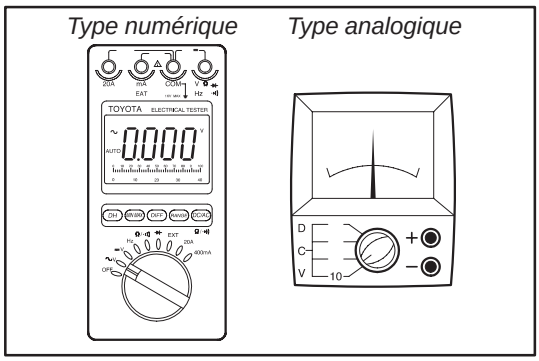
CONTROLE DE LA CONTINUITE ET RESISTANCE

(a) *Déconnecter la borne ou fil de batterie de telle manière qu'il n'y ait pas de tension entre les points de contrôle.*

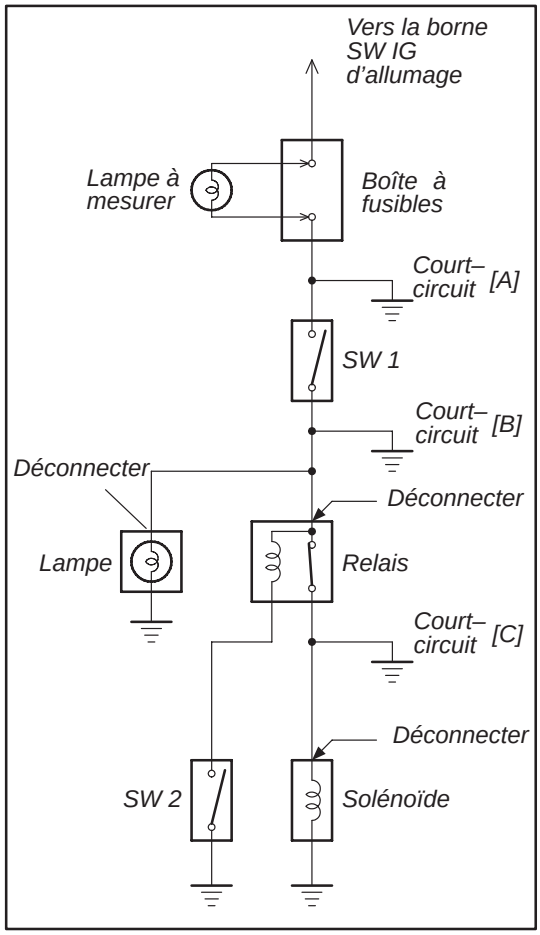
(b) *Mettre en contact les deux fils d'un ohmmètre à chaque point de contrôle.*



Si le circuit présente des diodes, inverser les deux fils et vérifier de nouveau.
Il doit y avoir une continuité lorsque l'on met en contact le fil négatif au côté positif de la diode et le fil positif au côté négatif. Lorsque l'on met en contact les deux fils en sens inverse, il ne doit pas y avoir de continuité.



(c) *Utiliser un volt/ohmmètre avec une haute impédance (10 kΩ/V minimum) pour le dépannage du circuit électrique.*



LOCALISATION DE COURT–CIRCUIT

(a) Déposer le fusible grillé et déconnecter toutes les charges du fusible.

(b) onnecter une lampe à mesurer au lieu du fusible.

(c) Etablir les conditions pour lesquelles la lampe à mesurer s'allume.

Exemple:
[A] – CONTACTEUR d'allumage sur "ON"
[B] – CONTACTEUR d'allumage et SW 1 sur "ON"
[C] – CONTACTEUR d'allumage, SW 1 et Relais sur "ON" (connecter le relais) et SW 2 sur "OFF" (ou Déconnecter SW 2).

(d) Déconnecter et reconnecter les connecteurs tout en observant la lampe à mesurer.
Le court–circuit se trouve entre le connecteur sur lequel la lampe à mesurer reste allumée et le connecteur sur lequel la lampe s'éteint.

(e) Localiser l'emplacement exact du court–circuit en secouant légèrement le fil où le problème se trouve le long de la carrosserie.

PRECAUTION:

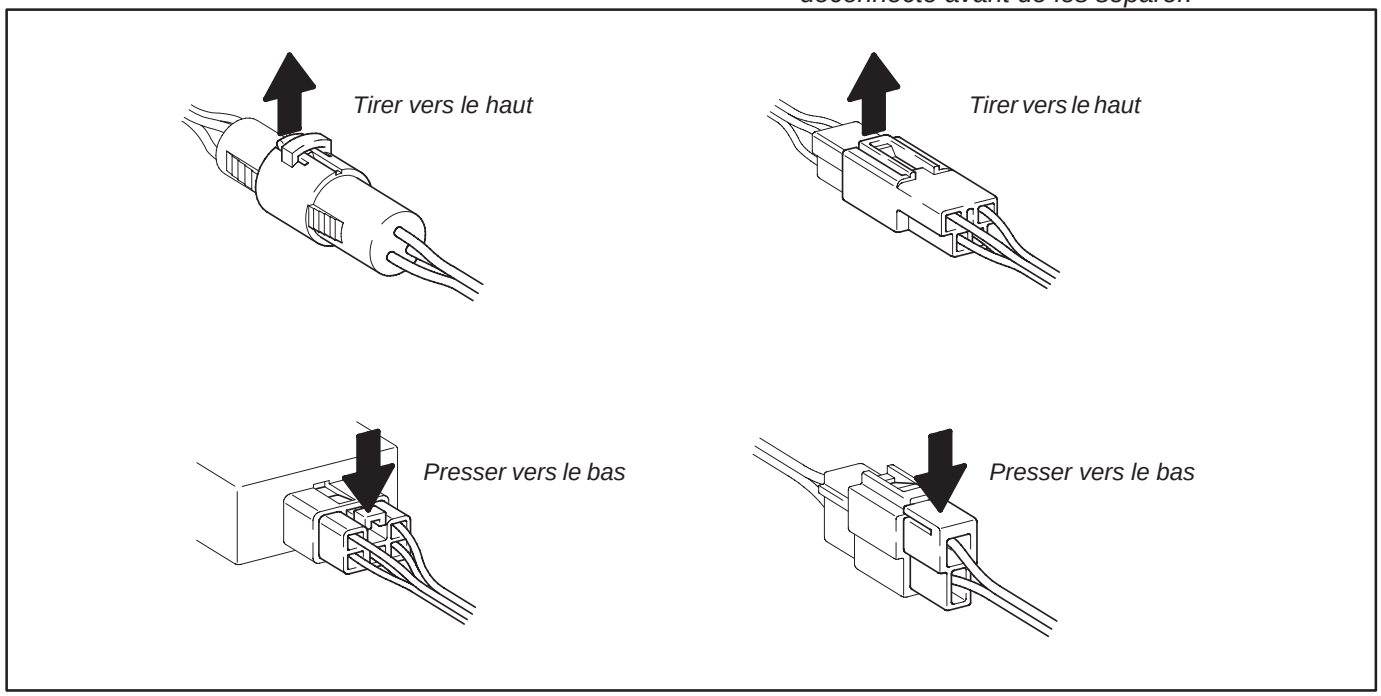
(a) Ne pas ouvrir le couvercle ou la boîte de l'ECU à moins que cela ne soit nécessaire. (Si les bornes de CI sont touchées, le CI pourrait être détruit par l'électricité statique).

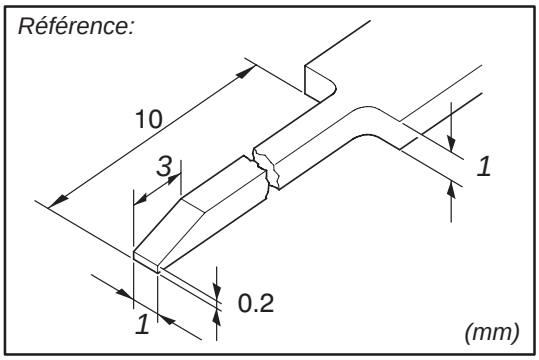
(b) Lors d'un remplacement du mécanisme intérieur (partie ECU) du compteur numérique, prenez garde de ne mettre aucune partie de votre corps ou de votre vêtement en contact avec les bornes des conducteurs en provenance de l'IC, etc. de la pièce de remplacement (pièce de rechange).

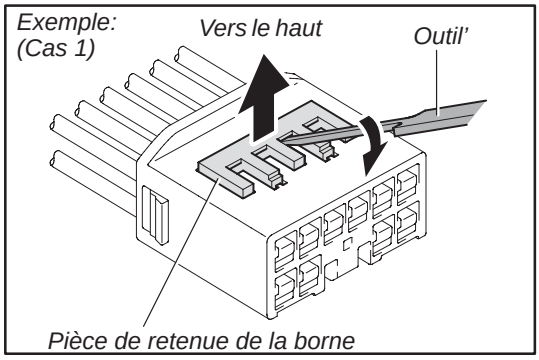
DEBRANCHEMENT DES CONNECTEURS DE TYPE MALE ET FEMELLE

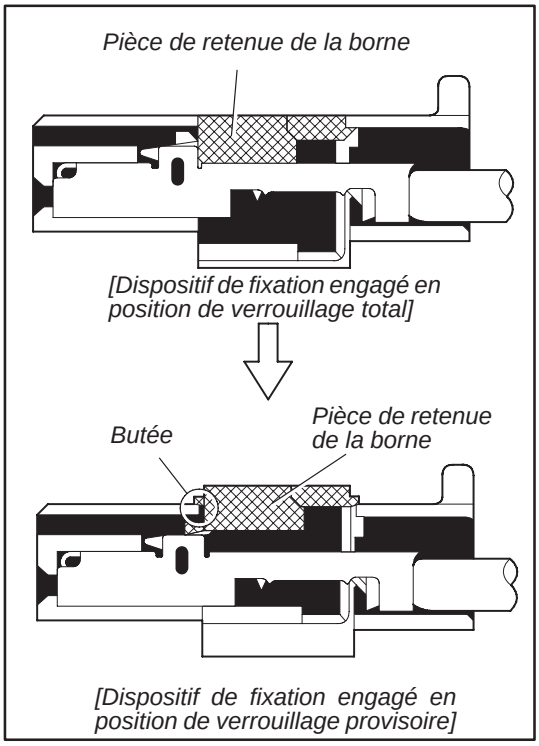
Pour séparer les connecteurs, tirer le connecteur lui–même, et non le faisceau de câblage.

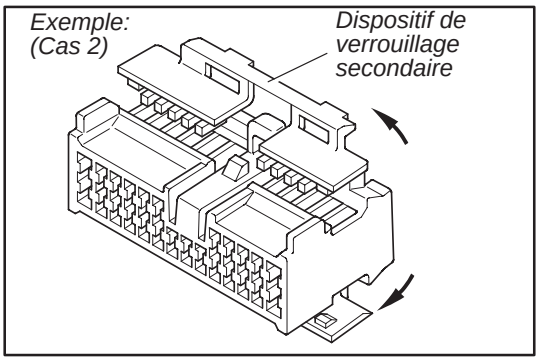
NOTE : Vérifier le type de connecteur devant être déconnecté avant de les séparer.











COMMENT REMPLACER LA BORNE (Avec le dispositif de fixation de cosses ou le dispositif de verrouillage secondaire)

1. *FABRIQUER UN OUTIL SPECIAL*

   CONSEIL : Pour pouvoir retirer une cosse du boîtier de bloc raccord de câblage,il est nécessaire de fabriquer et d'utiliser l'outil spécial ou un ustensile similaire représenté ci–contre.

2. *DEBRANCHER LE BLOC RACCORD DE CABLAGE*

3. *LIBERER LE DISPOSITIF DE VERROUILLAGE SECONDAIRE OU LE DISPOSITIF DE RETENUE DE COSSE.*

   (a) Le dispositif de verrouillage doit être retiré avant que l'attache de verrouillage de cosse puisse être libérée et la cosse retirée du bloc raccord de câblage.

   (b) Se servir de l'outil spécial ou de la pointe de cosse pour débrayer le dispositif de verrouillage secondaire ou le dispositif de fixation de cosse.

AVERTISSEMENT:
Le dispositif de fixation de cosses ne doit pas être retiré du boîtier de bloc raccord de câblage.

[A] Cas du bloc raccord de câblage non étanche

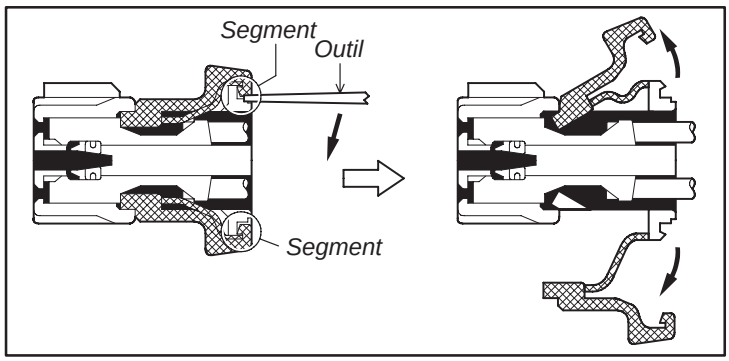
NOTE : La position d'insertion des aiguilles varie selon la forme du connecteur (nombre de bornes, etc.) et par conséquent vérifier la position avant de l'insérer.

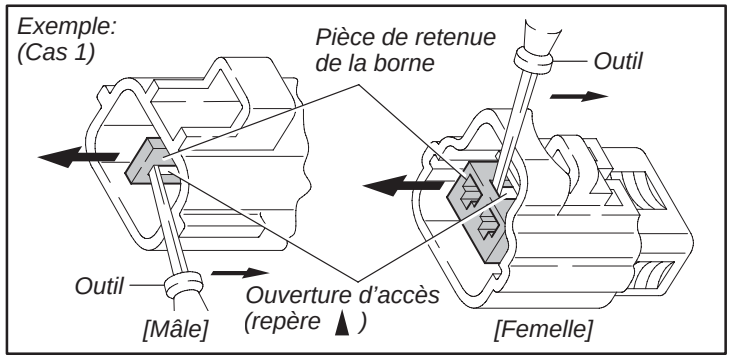
"Cas 1"

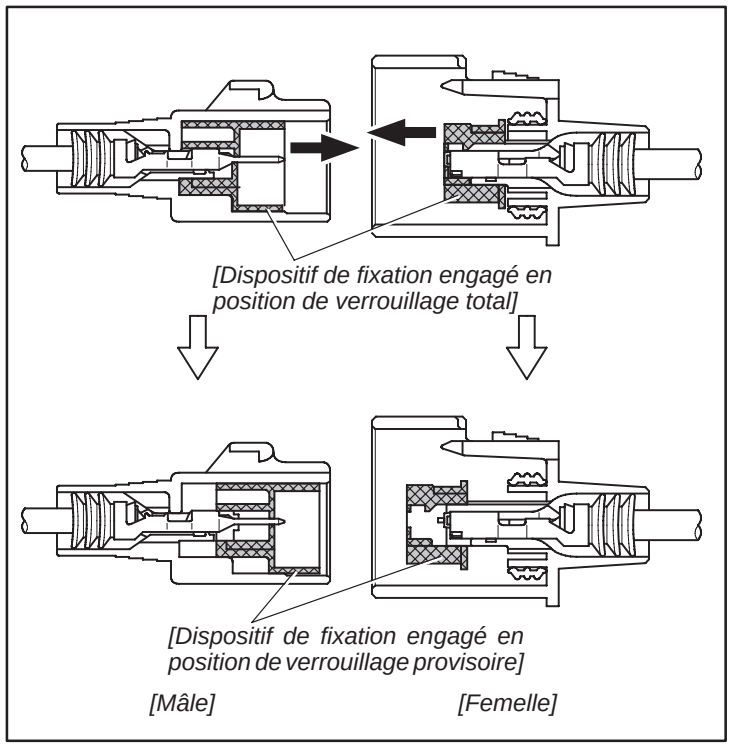
Soulever la pièce de retenue de la borne vers le haut sur la position de verrouillage provisoire.

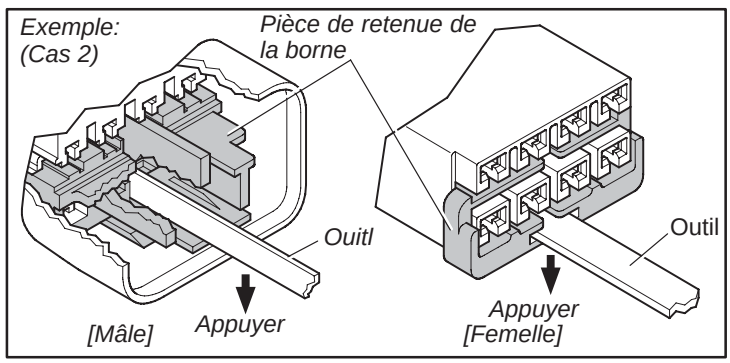
"Cas 2"

Ouvrir le dispositif de verrouillage secondaire









[B] Cas de bloc raccord de câblage étanche

NOTE : La teinte des cosses varie suivant la forme du boîtier de block raccord de câblage.

Exemple:

Dispositif de fixation de cosses	*Boîtier de bloc raccord de câblage*
Noir ou blanc	*: Gris*
Noir ou blanc	*: Gris foncé*
Gris ou blanc	*: Noir*

"Cas 1"

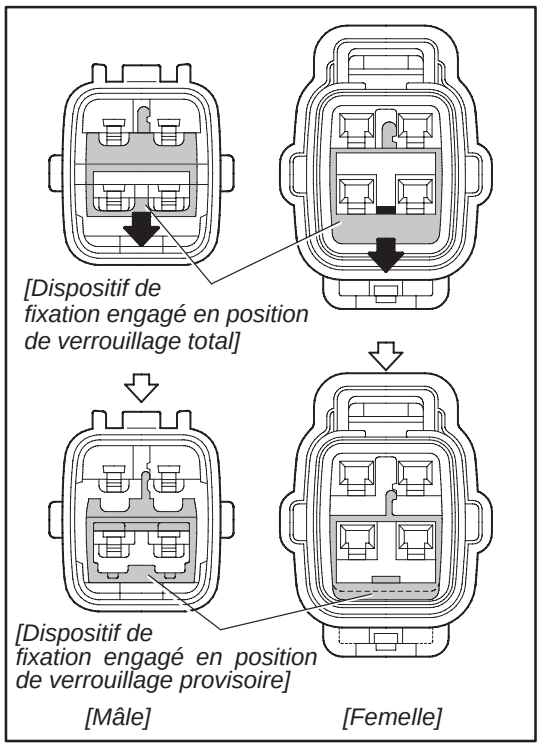
Type avec lequel le dispositif de fixation de cosses peut être relevé jusqu'à sa position de verrouillage secondaire (type à relever).

Engager l'extrémité de l'outil spécial dans l'ouverture d'accès (repère▲) de dispositif de fixation de cosses et relever ce dernier jusqu'à sa positin de verrouillage provisoire.

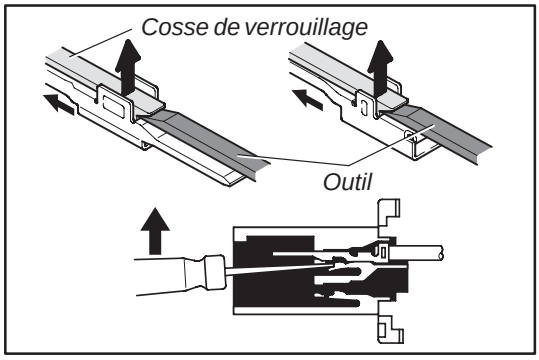
NOTE : La position d'insertion des aiguilles varie selon la forme du connecteur (nombre de bornes, etc.) et par conséquent vérifier la position avant de l'insérer.

"Cas 2"

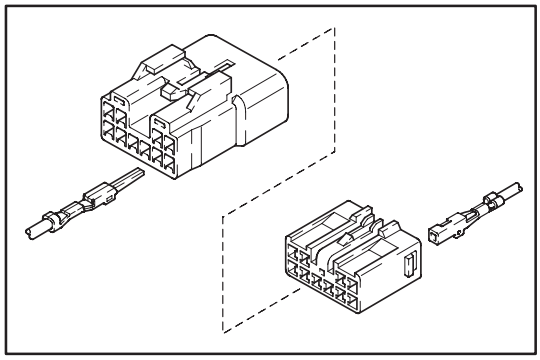
Type avec lequel il est impossible de dégager au–delà de la position de verrouillage commandée; dans ce cas, insérer l'outil directement dans l'orifice d'accès de la pièce de retenue de la borne, comme indiqué sur l'illustration.



Appuyer sur le dispositif de fixation de cosses jusqu'à sa position de verrouillage provisoire.



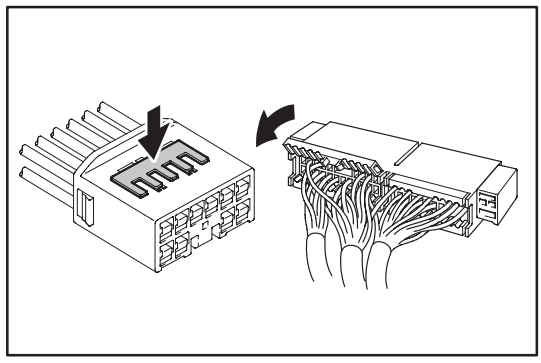
(c) Relâcher la cosse de verrouillage à partir de la borne et tirer la borne vers l'extérieur à partir de l'arrière.



4. INSTALLER LA BORNE AU CONNECTEUR

(a) Insére la borne

NOTE:
1. *Veiller à ce que la borne soit positionnée correctement.*
2. *Insérer la borne jusqu'à ce que la cosse de verrouillage soit bloquée fermement.*
3. *Insérer la borne avec la pièce de retenue de la borne sur la position de verrouillage provisoire.*



(b) Pousser la pièce de retenue de la borne vers l'intérieur sur la position de verrouillage complet.

5. BRANCHER LE CONNECTEUR

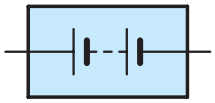
ABREVIATIONS

Les abréviations suivantes sont utilisées dans ce manuel.

ABS	=	*Système antiblocage des freins (Anti–Lock Brake System)*
A/C	=	*Air conditionné (Air Conditioner)*
ACIS	=	*Système d'induction de commande acoustique (Acoustic Control Induction System)*
ACM	=	*Monture de commande de moteur actif (Active Control Engine Mount)*
A/T	=	*Boîte–pont automatique (Automatic Transaxle)*
BA	=	*Freins assistés (Brake Assist)*
CD	=	*Disque Compact (Compact Disc)*
COMB.	=	*Combinaison (Combination)*
DLC3	=	*Bloc raccord de câblage de liaison de données 3 (Data Link Connector 3)*
EC	=	*Electrochromique (Electrochromic)*
ECT	=	*Boîte de vitesses sous contrôle électronique (Electronic Control Transmission)*
ECU	=	*Unité de commande électronique (Electronic Control Unit)*
EFI	=	*Injection d'essence électronique (Electronic Fuel Injection)*
ESA	=	*Advance à l'allumage électronique (Electronic Spark Advance)*
EVAP	=	*Contrôle antipollution d'évaporation (Evaporative Emission)*
IC	=	*Circuit intégré (Integrated Circuit)*
ISC	=	*Contrôle de régime ralenti (Idle Speed Control)*
J/B	=	*Bloc de jonction (Junction Block)*
LH	=	*Gauche (Left–Hand)*
LHD	=	*Conduite à gauche (Left–Hand Drive)*
O/D	=	*Vitesse surmultipliée (Overdrive)*
R/B	=	*Bloc relais (Relay Block)*
RH	=	*Droite (Right–Hand)*
RHD	=	*Conduite à droite (Right–Hand Drive)*
SRS	=	*Système de retenue complémentaire (Supplemental Restraint System)*
SW	=	*Contacteur (Switch)*
TEMP.	=	*Température (Temperature)*
TRC	=	*Contrôle de traction (Traction Control)*
VSC	=	*Contrôle de stabilité de véhicule (Vehicle Stability Control)*
VSV	=	*Soupape de commutation à dépression (Vacuum Switching Valve)*
VVT	=	*Synchronisation de soupape variable (Variable Valve Timing)*
w/	=	*Avec (With)*
w/o	=	*Sans (Without)*

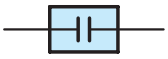
∗ *Les titres qui sont mentionnés dans les organes sont les mêmes que ceux des bornes (codes de borne) et ne doivent pas être considérés comme des abréviations.*

BATTERIE



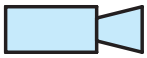
Stocke de l'énergie chimique et le convertit en énergie électrique. Fournit du courant continu pour les divers circuits électriques de la voiture.

CONDENSATEUR



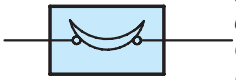
Un petit bloc de maintien pour l'accumulation provisoire de la tension électrique.

ALLUME–CIGARE



Elément à chauffage de résistance électrique.

DISJONCTEUR



Fondamentalement un fusible réutilisable, le disjoncteur se réchauffera et s'ouvrira si une quantité excessive s'écoule à travers. Certaines unités se réarment automatiquement lorsqu'elles se refroidissent, tandis que d'autres doivent être réarmées manuellement.

DIODE



Un semiconducteur qui permet le débit du courant dans une seule direction.

DIODE, ZENER



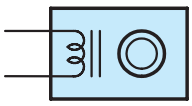
Une diode qui permet le débit du courant dans une direction mais bloque le débit inverse seulement jusqu'à une tension spécifique. Audessus de ce potentiel, il dépasse la tension d'excès. Fonctionne comme un simple régulateur de tension.

PHOTODIODE



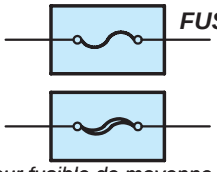
La photodiode est un semi–conducteur qui régularise le courant élélectrique en fonction de la quantité de lumière.

DISTRIBUTEUR, IIA



Achemine le courant de haute tension de la bobine d'allumage vers les bougies d'allumage individuelles.

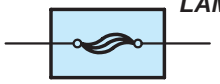
FUSIBLE



Une bande métallique mince qui grille lorsqu'une quantité excessive de courant s'écoule à travers, interrompant alors le débit du courant et protégeant le circuit contre tout endommagement.

(pour fusible de moyenne intensité)

LAME FUSIBLE



Un fil de gros calibre placé dans des circuits d'ampérage élevé qui grille en cas de surcharges, protégeant ainsi les circuit.

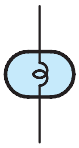
(pour fusible à haute intensité ou élément fusible)

MISE A LA TERRE



Le point sur lequel les câbles sont attachés à la carrosserie, fournissant ainsi une chemin de retour pour un circuit électrique; sans une mise à la terre, le courant ne peut pas s'écoule.

PHARES



1. UN FILAMENT

Le débit du courant cause le réchauffement du filament du phare et l'émission de lumière. Un phare peut présenter un (1) filament ou deux (2) filaments.



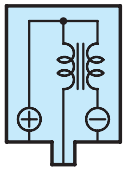
2. DEUX FILAMENTS

KLAXON



Un dispositif électrique qui produit un signal audible assez fort.

BOBINE D'ALLUMAGE



Convertit le courant continu de basse tension en courant d'allumage de haute tension pour allumer les bougies.

LAMPE



Le débit de courant à travers un filament cause le réchauffement du filament et l'émission de lumière.

DEL (DIODE ELECTROLUMINESCENTE)



Lorsque le débit du courant s'établit, ces diodes émettent de la lumière sans produire la chaleur d'une lampe comparable.

COMPTEUR ANALOGIQUE



Le débit de courant active une bobine magnétique qui cause le déplacement d'une aiguille, fournissant ainsi un affichage relatif devant un étalonnage de fond.

COMPTEUR NUMERIQUE



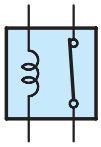
Le débit du courant active une ou plusieurs DEL, affichages à cristaux liquides, ou affichages fluorescents, qui fournissent un affichage numérique ou relatif.

MOTEUR

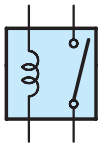


Une unité de puissance qui convertit l'énergie électrique en énergie mécanique, surtout en mouvement de rotation.

RELAIS



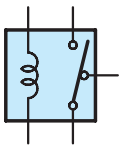
1. FERME NORMALEMENT



2. OUVERT NORMALEMENT

Fondamentalement un contacteur à actionnement électrique qui peut être normalement fermé (1) ou ouvert (2). Le débit de courant à travers une petite bobine produit un champ magnétique qui ouvre ou ferme un contacteur connecté.

RELAIS A DEUX COURSES



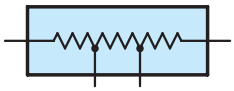
Un relais qui fait écouler le courant à travers un jeu de contacts ou l'autre.

RESISTANCE



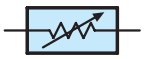
Un composant électrique avec une résistance fixe, placé dans un circuit pour réduire la tension à une valeur spécifique.

RESISTANCE A PRISES



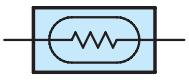
Une résistance qui fournit deux ou davantage de valeurs de résistances non réglables différentes.

RESISTANCE VARIABLE ou RHEOSTAT



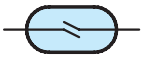
Une résistance pouvant être contrôlée avec un taux variable de résistance. S'appelle également un potentiomètre ou rhéostat.

CAPTEUR (thernmistance)



Une résistance qui varie sa valeur de résistance avec la température.

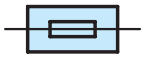
CAPTEUR DE VITESSE



(Type à commutateur à lames)

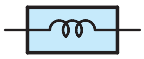
Utilise des impulsions magnétiques pour ouvrir et fermer un contacteur afin de créer un signal pour activer les autres composants.

FICHE DE COURT–CIRCUIT



S'utilise pour fournir une connexion non brisée dans une boîte de dérivation.

SOLENOIDE



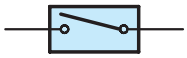
Une bobine électromagnétique qui produit un champ magnétique lorsque le courant s'écoule, pour faire déplacer un plongeur, etc.

HAUT–PARLEUR

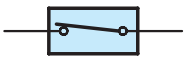


Un dispositif électromécanique qui produit des ondes sonores à partir du débit de courant.

CONTACTEUR, MANUEL



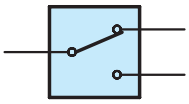
1. OUVERT NORMALEMENT



2. FERME NORMALEMENT

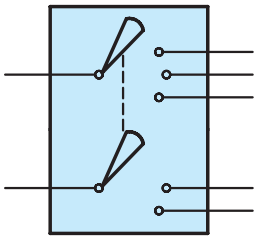
Ouvre et ferme les circuits, interrompant (1) ou permettant (2) le débit de courant.

CONTACTEUR A DEUX COURSES



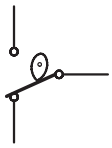
Un contacteur qui fait passer le courant de facon continue à travers un jeu de contacts ou l'autre.

CONTACTEUR D'ALLUMAGE



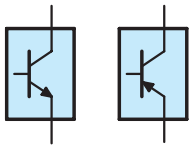
Un contacteur à actionnement pas clé avec plusieurs positions qui permettent aux divers circuits, et en particulier au circuit d'allumage primaire, de s'activer.

CONTACTEUR D'ARRET D'ESSUIE–GLACE



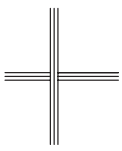
Remet les essuie–glaces sur la position d'arrêt lorsque le contacteur des essuies–glace est coupé.

TRANSISTOR

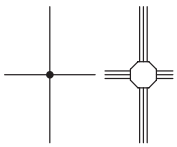


Un dispositif à état solide qui s'utilise généralement comme relais électronique; interrompt ou fait passer le courant selon la tension appliquée à la "bace".

FILS



(1) NON CONNECTES



(2) A EPISSURE

Les fils sont toujours dessinés en ligne droite sur les schéma de câblage. Les fils croisés (1) sans un point noir à la jonction ne sont pas joints. Les fils croisés (2) avec un point noir ou une marque octogonale (⬡) à la jonction sont des connexions (jointes) à épissure.

A INTRODUCCION

Este manual consta de las siguientes 14 secciones:

Número	Sección	Descripción
A	INDICE	Indice el contenido de este manual.
	INTRODUCCION	Breve axplicación de cada sección.
B	COMO UTILIZAR ESTE MANUAL	Instrucciones relacionadas con el uso este manual.
C	LOCALIZACION DE AVERIAS	Descripción de los procedimientos de inspección básicos para los circuitos eléctricos.
D	ABREVIATURAS	Definiciones de las abreviaturas utilizadas en este manual.
E	GLOSARIO DE TERMINOS Y SIMBOLOS	Definiciones de los símbolos y funciones de las partes principales.
F	UBICACION DE LOS RELES	Indicación de la Unidad de Control Electrónico, los Relés, el Bloque de Relés, etc. Esta sección está relacionada con el circuito del sistema.
G	RECORRIDO DE LOS CABLES ELECTRICOS	Descripción de los conectores de piezas, puntos de empalme, puntos de conexión a masa, etc. Esta sección está relacionada con el circuito del sistema.
H	INDICE	Indice de los circuitos de los sistemas.
	CIRCUITOS DE SISTEMAS	Circuitos eléctricos de cada sistema indicados desde la fuente de alimentación hasta los puntos de conexión a masa. Las conexiones del cableado y las respectivas posiciones se indican y clasifican según el método de conexión. (Vea la sección "COMO UTILIZAR ESTE MANUAL"). Esta sección asimismo contiene las secciones de "Descripción del sistemas" y "Consejos para el servicio" que son sumamente útiles para la localización de aveías.
I	PUNTO DE CONEXION A MASA	indicación de las conexiones a masa de todas las piezas descritas en este manual.
J	FUENTE DE ALIMENTACION (Cuadro de flujo de corriente)	Descripción de la distribución de la alimentación desde la fuente hasta las diferentes cargas eléctricas.
K	LISTA DE CONECTORES	Describe la forma de los conectores para las piezas que aparecen en este libro. Esta sección está relacionada con el circuito del sistema.
L	INFORMACION DE CONECTORES	Indica la referencia (Vea la página) sobre el nombre de las partes correspondiente a su código y la posición para montar la carrocería.
M	NUMERO DE LAS PARTES DE CONECTORES	Se indica el número de las partes de los conectores utilizados en este manual.
N	DIAGRAMA DE CONEXIONES ELECTRICAS GENERAL	Diagramas de los circuitos con indicación de las conexiones.

Este manual proporciona informaciones acerca de los circuitos eléctricos de los vehículos, divididas según los diferentes circuitos de sistemas.

El cableado específico de cada circuito de sistema aparece desde el punto de conexión a la fuente de alimentación de la batería hasta el punto de conexión a masa. (Todos los diagramas de circuito aparecen en condición de los interruptores en la posición OFF.)

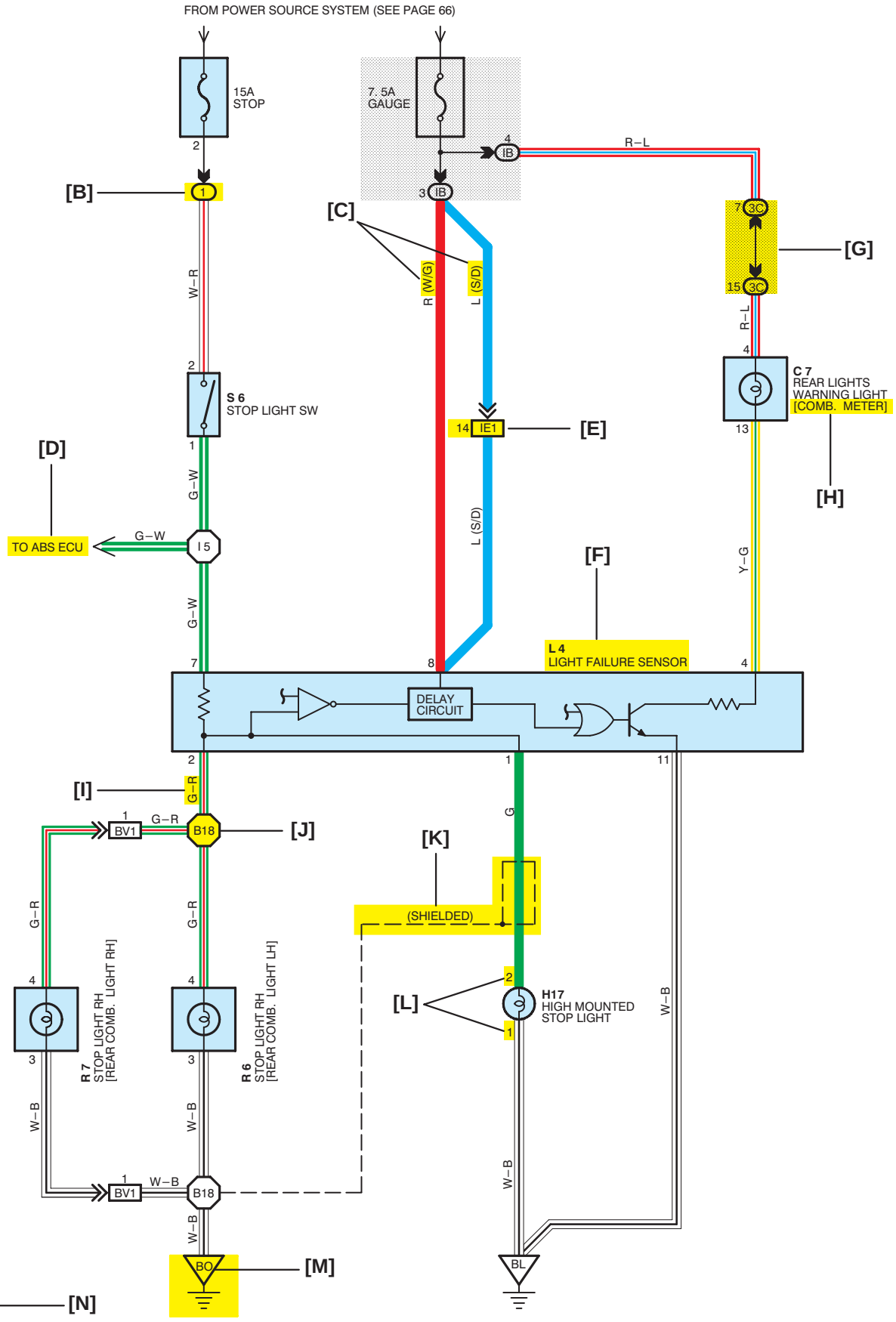
Al tratar de localizar un desperfecto, es necesario familiarizarse con el funcionamiento del circuito en el cual se ha detectado el problema (vea la sección de Circuitos de Sistemas), la fuente de alimentación del circuito (vea la sección Fuente de Alimentación) y los puntos de conexión a masa (vea la sección Punto de Conexión a Masa). Vea la descripción del sistema para comprender el funcionamiento del circuito.

Una vez familiarizado con el funcionamiento del circuito, determine le causa según los procedimientos de localización de averías especificados. Para la ubicación de cada pieza, los bloques de empalmes y los conectores de los mazos de conductores, así como los puntos de empalme y los puntos de conexión a masa de cada circuito, vea las secciones de Ubicación de los Relés y Ubicación de los Cables. Se incluye además el diagrama de cableado interior de cada bloque de empalme para facilitar la compresión de las conexiones dentro del bloque.
El cableado relacionado con cada sistema aparece indicado en cada circuito de sistema mediante flechas (de __, a__). En caso de requerirse conexiones generales, vea el Diagrama de Cableado Electrico General, en la parte final de este manual.

[A]

STOP LIGHT

* *El sistema aquí mostrado es SOLO UN EJEMPLO. Es distinto del circuito real mostrado en la SECCION DE CIRCUITOS DEL SISTEMA.*



[A] : *Título del sistema*

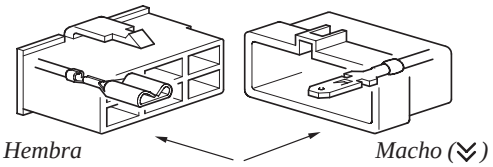
[B] : *Indica un bloque de relés. N.° se utiliza sombreado y se indica sólo el número del bloque de relés para distinguirlo del bloque de empalme*

Ejemplo: (1) *indica Bloque de Relés N.°1*

[C] : *( ) se utiliza para indicar diferentes cableados, conectores, etc. en caso de modelo de vehículo, tipo de motor o especificaciones diferentes.*

[D] : *Indica un sistema relacionado.*

[E] : *Indica el mazo de conductores y el conector del mazo de conductores. El mazo de conductores con el terminal macho es indicado mediante las flechas (»).*
Las cifras exteriores corresponden al número de clavijas.

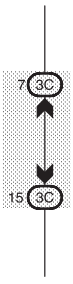


La primera letra del código para cada mazo de conductores y conectores de mazo de conductores indica la ubicación del componente, por ejemplo "E" es para el compartimiento del motor, "I" para el tablero de instrumentos y área circundante, y "B" para la carrocería y área cincurdante. Cuando más de un código tiene la primera y segunda letras en común, seguidas de números (por ej. IH1, IH2) indica el mismo tipo de mazo de conductores y conector de mazo de conductores.

[F] : *Representa una pieza (todas son indicadas en celeste). El código es el mismo que el utilizado para la ubicación de la pieza.*

[G] : *Bloque de empalme. (El número dentro del círculo es el número del bloque de empalme, y el código del conector aparece junto al mismo.) Los bloques de empalme aparecen sombreados para distinguirlos fácilmente de otras piezas.*

Ejemplo:



3C indica que está dentro del bloque de empalme N.°3

[H] : *Cuando 2 piezas utilizan el mismo conector en común, en nombre de las piezas utilizadas en la sección del cableado aparece entre paréntesis cuadrados [ ].*

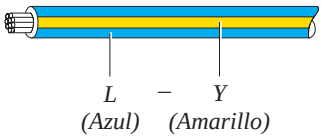
[I] : *Indica el color del cable.*

Los colores de los cables se dan según los siguientes códigos alfabéticos.

B	= *Negro*	*W*	= *Blanco*	*BR*	= *Marrón*
L	= *Azul*	*V*	= *Violeta*	*SB*	= *Azul del cielo*
R	= *Rojo*	*G*	= *Verde*	*LG*	= *Verde Claro*
P	= *Rosado*	*Y*	= *Amarillo*	*GR*	= *Gris*
O	= *Anaranjado*				

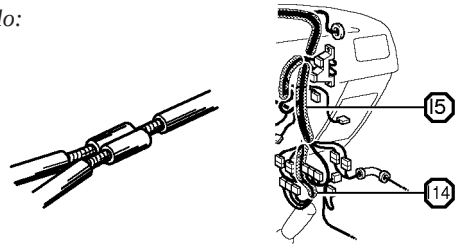
La primera letra indica el color básico del cable y la segunda letra indica el color de la banda.

Ejemplo: *L – Y*



[J] : *Indica un punto de empalme de cables (los códigos son "E" para el interior del compartimiento del motor, "I" para el tablero de instrumentos y "B" para la carrocería.)*

Ejemplo:



La ubicación del punto de empalme I 5 es indicada mediante la sección sombreada.

[K] : *Indica mazo de conductores blindado.*



[L] : *Indica el número de clavijas del conector. El sistema de numeración es diferente según se trate de un conector macho o de un conector hembra.*

Ejemplo: *Numerados de arriba a la izquierda hacia abajo a la derecha* — *Numerados de arriba a la derecha hacia abajo a la izquierda*



Hembra *Macho*

[M] : *Indica los PUNTOS de conexión a Masa.*

La primera letra del código de cada punto de tierra indica la ubicación del componente, por ejemplo "E" es para el compartimiento del motor, "I" para el tablero de instrumentos y área circundante, y "B" para la carrocería y área cincurdante.

[N] : *N.° de página*

[O] SYSTEM OUTLINE *(DESCRIPCION DEL SISTEMA)*

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 *(CONSEJOS PARA EL SERVICIO)*

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 *(UBICACION DE LAS PIEZAS)*

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

[R] : RELAY BLOCKS *(BLOQUES DE RELES)*

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

[S] : JUNCTION BLOCK AND WIRE HARNESS CONNECTON *(BLOQUE DE EMPALME Y CONECTOR DE MAZO DE CONDUCTORES)*

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 *(MAZO DE CONDUCTORES DE UNION DE CONECTORES Y MAZO DE CONDUCTORES)*

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 *(PUNTOS DE CONEXION A MASA)*

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

[V] : SPLICE POINTS *(PUNTOS DE EMPALME)*

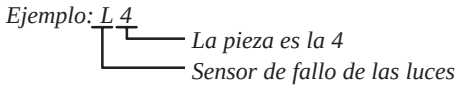
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

[O] : *Descripción del sistema.*

[P] : *Indica valores o explica la función para referencia durante la localización de averías.*

[Q] : *Indica la página de referencia en la cual aparece la ubicación en el vehículo de las piezas del circuito del sistema.*

Ejemplo : Pieza "L4" (Sensor de fallo de las luces) en la página 36 de este manual.
∗ La letra en el código es la primera letra de la pieza y el número indica el orden de las piezas que comienzan con tal letra.



[R] : *Indica la página de referencia en la cual aparece la ubicación en el vehículo de los conectores del bloque de relés en el circuito del sistema.*

Ejemplo : La descripción del conector "1" aparece en la página 18 de este manual y el mismo está instalado en la parte izquierda del tablero de instrumentos.

[S] : *Indica la página de referencia en la cual aparece la ubicación en el vehículo del bloque de empalmes y del mazo de conductores en el circuito del sistema.*

Ejemplo : El conector "3C" conecta el cable de torpedo con el bloque de empalmes N.°3. La descripción correspondiente aparece en la página 22 de este manual y el mismo está instalado en el lado izquierdo del tablero de instrumentos.

[T] : *Indica la página de referencia en la cual se describe el mazo de conductores y el conector del mismo (el conector hembra se describe primero y despues se describe el conector macho.)*

Ejemplo : El conector "IE1"conecta el cable de la puerta derecha delantera (hembra) y el cable de torpedo (macho). La descripción correspondiente aparece en la página 42 de este manual y el mismo está instalado en el lado derecho de la caja pedalera.

[U] : *Indica la página de referencia en la cual aparece la ubicación de los puntos de conexión a masa en la carrocería del vehículo.*

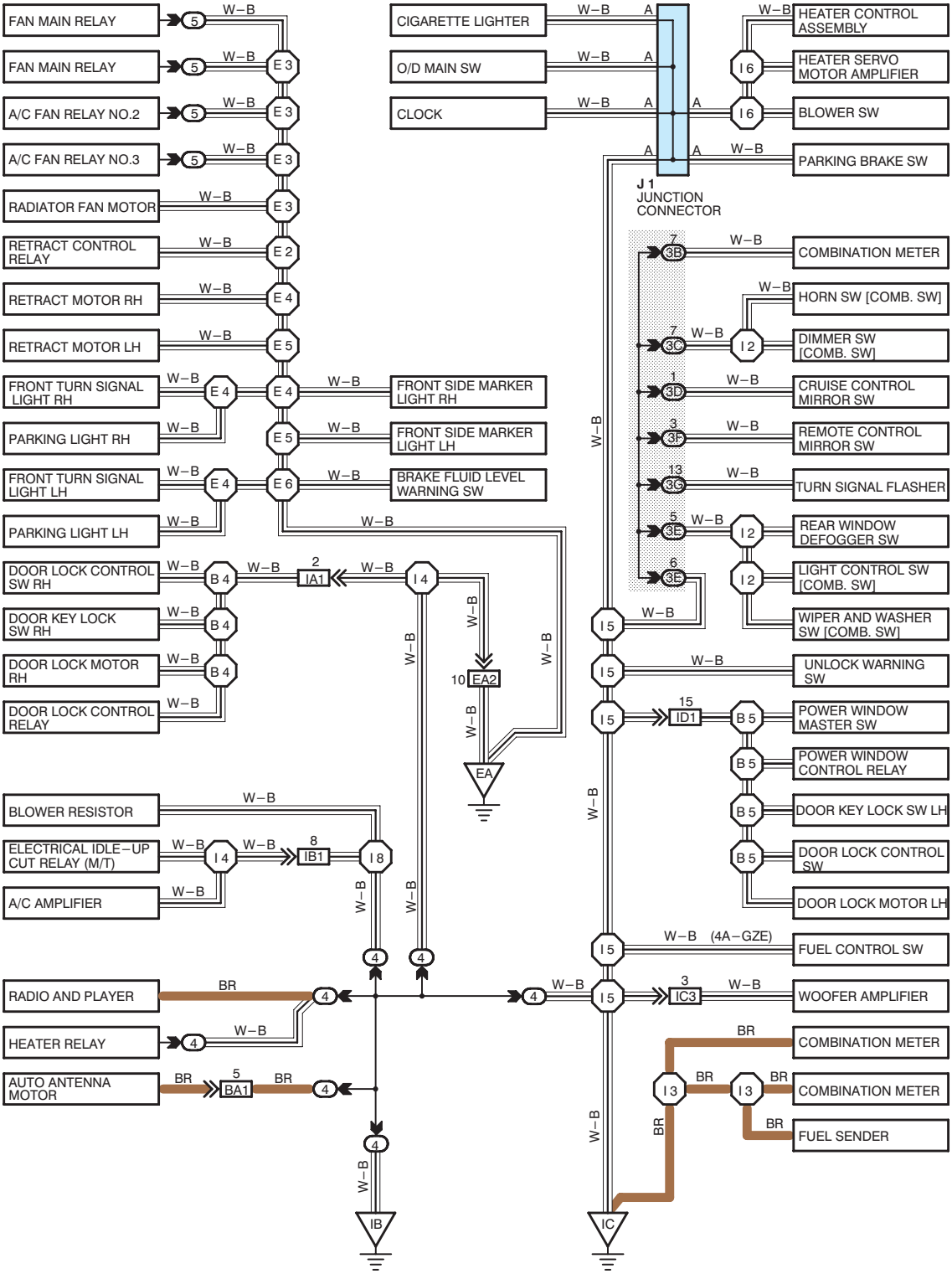
Ejemplo : La descripción del punto de conexión a masa "BO" aparece en la página 50 de este manual y el mismo está en el lado izquierdo del torpedo.

[V] : *Indica la página de referencia en la cual aparece la posición de los puntos de empalme en el vehículo.*

Ejemplo : El punto de empalme "I5"está en el mazo de conductores del torpedo y la descripción correspondiente aparece en la página 44 de este manual.

El diagrama del circuito de los puntos de conexión a masa indica las conexiones a masa de todas las piezas principales a los respectivos puntos de masa. Durante la localización de averías por fallas de conexión a masa, puede resultar útil examinar los sistemas que tienen una conexión a masa en común para identificar rápidamente el problema. La relación entre los puntos de conexión a masa (EA, IB *y* IC *indicada más abajo) asimismo puede verificarse de esta manera.*

I GROUND POINT

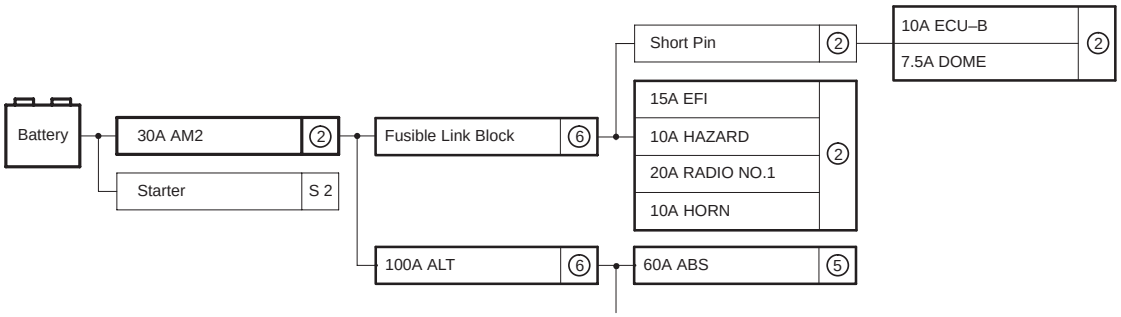


* *El sistema aquí mostrado es SOLO UN EJEMPLO. Es distinto del circuito real mostrado en la SECCION DE CIRCUITOS DEL SISTEMA.*

La sección del "Cuadro de Flujo de Corriente" describe las piezas (fusibles, eslabones fusibles y ruptores) que reciben corriente. En el diagrama del circuito de fuente de alimentación, se explican las condiciones cuando se suministra la alimentación desde la batería a cada sistema. Ya que todos los circuitos de sistema comienzan desde la fuente de alimentación, es necesario comprender perfectamente el sistema de alimentación.

J POWER SOURCE (Current Flow Chart)

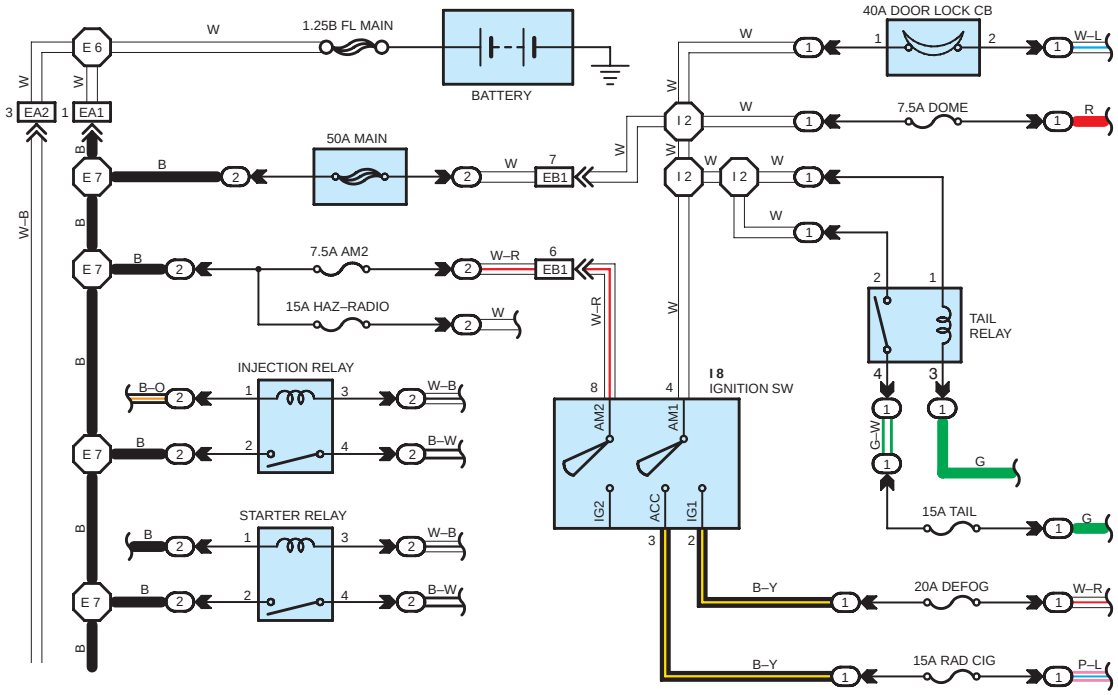
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

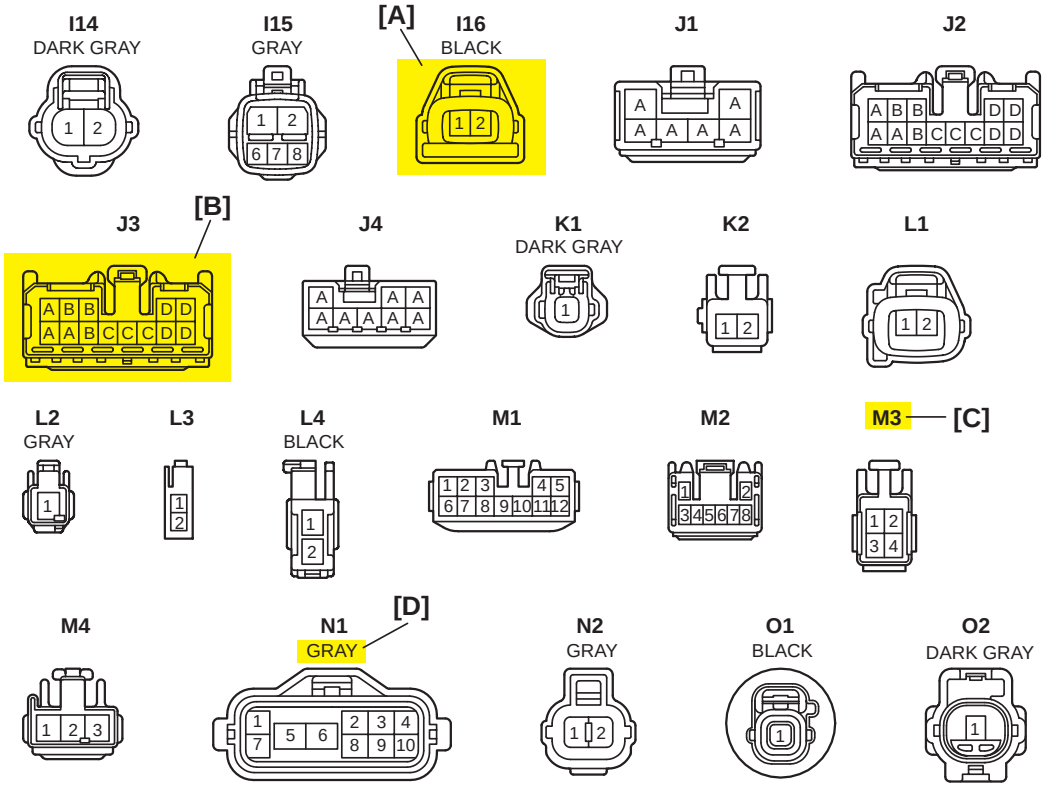
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission and A/T Indicator Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter and Clock Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto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

POWER SOURCE



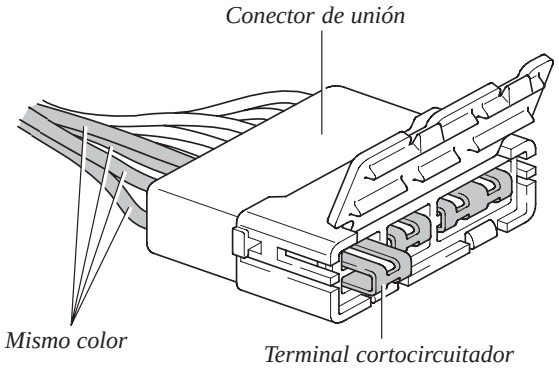
* *El sistema aquí mostrado es SOLO UN EJEMPLO. Es distinto del circuito real mostrado en la SECCION DE CIRCUITOS DEL SISTEMA.*

K CONNECTOR LIST



[A] : *Indica el conector que debe conectarse a una pieza. (la cifra indica el número de clavijas del conector)*

[B] : *Conector de unión*
Indica el conector que está conectado con el terminal cortocircuitador.



El conector de unión de este manual incluye un terminal de cortocircuito que está conectado a cierto número de mazos de conductores. Efectúe siempre la inspección con el terminal de cortocircuito instalado. (Cuando instale el mazo de conductores, el mazo puede conectarse en cualquier posición dentro del grupo del terminal de cortocircuito. Consecuentemente, en otros vehículos, la misma posición en el terminal de cortocircuito puede conectarse a un mazo de conductores desde una parte distinta.)
Los mazos que comparten el mismo grupo de terminal de cortocircuito tienen el mismo color.

[C] : *Código de las partes*
La primera letra del código proviene de la letra inicial de las partes, y su número significa el orden de las partes cuyo nombre empieza con la letra correspondiente.

[D] : *Color del conector*
Los conectores que no llevan indicación de color son blanquecinos.

L INFORMACION DE CONECTORES

Código	Vea la página	Nombre de las partes
A 1	20 (LHD 4A–FE)	Motor del ventilador del condensador del A/C
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 2	20 (LHD 4A–FE)	Embrague magnético del A/C
	30 (RHD 4A–FE)	
A 3 [A]	20 (LHD 4A–FE) [B]	Embrague magnético del A/C y sensor de bloqueo del A/C [C]
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 4	20 (LHD 4A–FE)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
	22 (LHD 4E–FE)	

Código	Vea la página	Nombre de las partes
D 4	24 (LHD)	Diodo (O/D)
	34 (RHD)	
D 5	24 (LHD)	Receptor de control de la puerta
	34 (RHD)	
D 6	34 (RHD)	Relés de control de bloqueo de la puerta
D 7	24 (LHD)	Interruptor de control de bloqueo de la puerta
	34 (RHD)	
D 8	26 (LHD S/D)	Diodo (cortesía de la puerta)
	28 (LHD W/G)	
	36 (RHD S/D)	
	38 (RHD W/G)	
		...iebla trasera)

[A] : *Código de las partes*

[B] : *Vea la página*
Indica la referencia sobre el circuito del sistema que señala la posición para montar la carrocería.

[C] : *Nombre de las partes*

M 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]	A/C Triple Pressure SW (A/C Dual and Single Pressure SW) [B]	90980–10943 [C]
	A/T Oil Temp. Sensor	909...413
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	...ter	90980–11194
		90980–11...

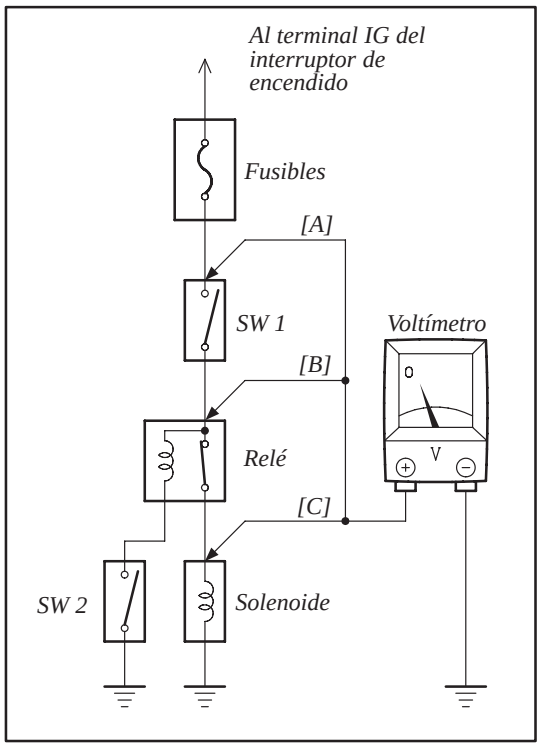
Code	Part Name	Part Number
D 4	Diode (Door Courtesy Light)	90980–11608
D 5	Diode (Key Off Operation)	90980–10962
D 6	Diode (Luggage Compartment Light)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Courtesy Light LH	90980–11148
D 9	Door Courtesy Light RH	
D10	Door Courtesy SW LH	90980–11097
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	...d Unlock SW LH	90980–11170
	...RH	

[A] : *Código de las partes*

[B] : *Nombre de las partes*

[C] : *Número de las partes*
Indica el número propio de Toyota.

No todos los números de las partes del conector indicados arriba están dispuestos para el suministro. Al pedir un conector o terminal con cable, asegúrese, de antemano, de que esté suministrado refiriéndose a "Parts Catalog News" (publicado por el Departamento Administrativo de Ingeniería de las Partes).

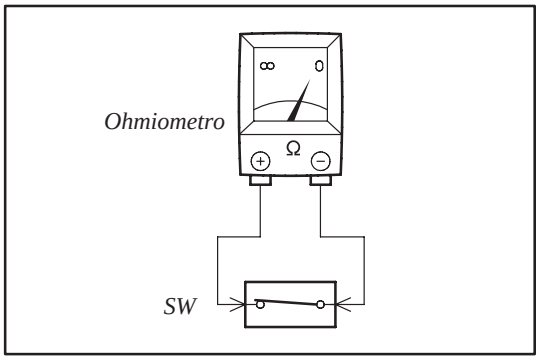


VERIFICACION DE LA TENSION

(a) *Establezca las condiciones en las cuales la tensión debe llegar al punto en el cual debe efectuar la verificación.*

Ejemplo:
- *[A] – Interruptor de encendido en la posición ON*
- *[B] – Interruptor de encendido y SW 1 en la posición ON*
- *[C] – Interruptor de encendido, SW 1 y relé en ON (SW 2 en OFF)*

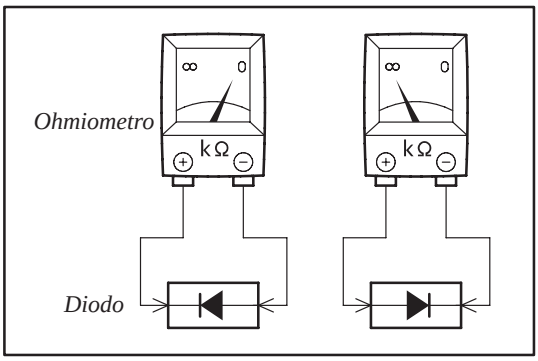
(b) *Utilizando un voltímetro, conecte el cable negativo de a un buen punto de conexión a masa o al borne negativo de la batería y el cable positivo al conector o al terminal del componente. Esta prueba puede efectuarse con una luz de prueba en lugar de un voltímetro.*



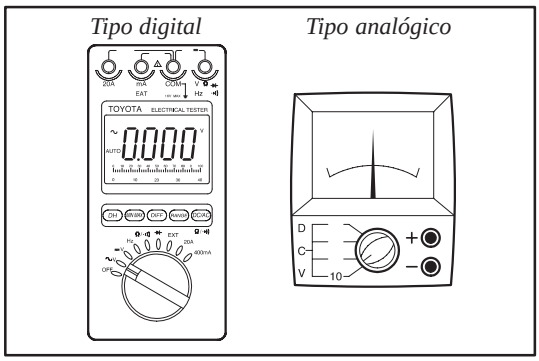
VERIFICACION DE LA CONTINUIDAD Y DE LA RESISTENCIA

(a) *Desconecte el cable del borne de la batería o el cable de manera que no haya tensión entre los puntos a verificar.*

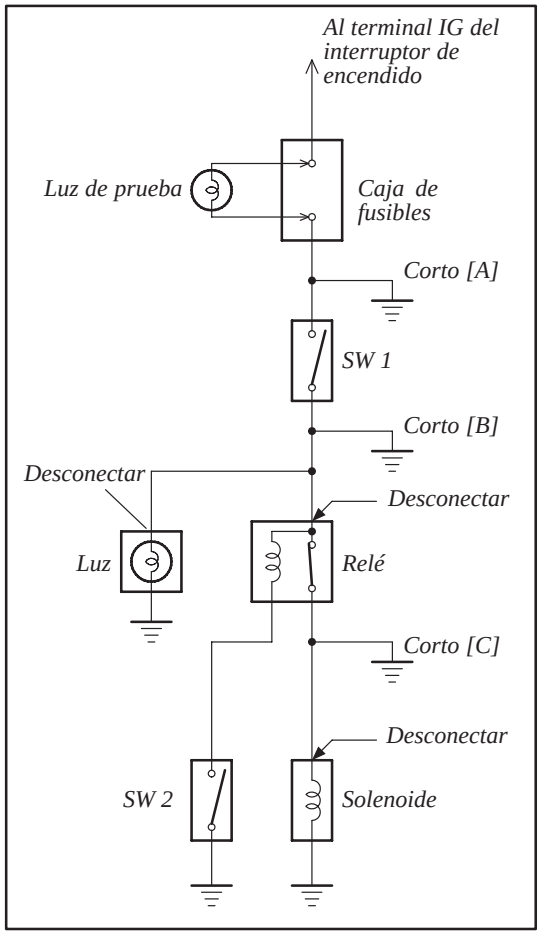
(b) *Conecte los dos cables de un ohmíometro a cada uno de los puntos a verificar.*



Si el circuito tiene diodos, conecte los cables en sentido contrario y vuelva a verificar.
Debe existir continuidad al conectar el cable negativo al lado positivo del diodo y el lado positivo al lado negativo del mismo.
No debe existir continuidad si se conectan los cables en sentido inverso.



(c) *Utilice un voltímetro/ohmíometro de alta impedancia (10k/V como mínimo) para la localización de averías en el circuito eléctrico.*



LOCALIZACION DE UN CORTOCIRCUITO

(a) Saque el fusible quemado y desconecte todas las cargas eléctricas.

(b) Conecte una luz de prueba en lugar del fusible.

(c) Establezca las condiciones necesarias para que la luz de prueba se encienda.

Ejemplo:
[A] – Interruptor de encendido en la posición ON
[B] – Interruptor de encendido y SW 1 en la posición ON
[C] – Interruptor de encendido, SW 1 y relé en ON (conecte el relé) y SW 2 en OFF (o SW 2 desconectado)

(d) Desconecte y vuelva a conector los conectores, observando la luz de prueba.
El cortocircuito está entre el conector en el cual la luz de prueba queda encendida y el conector en el cual se apaga.

(e) Para localizar la posición exacta del cortocircuito, sacuda ligeramente el cable defectuoso a lo largo de la carrocería.

PRECAUCION:

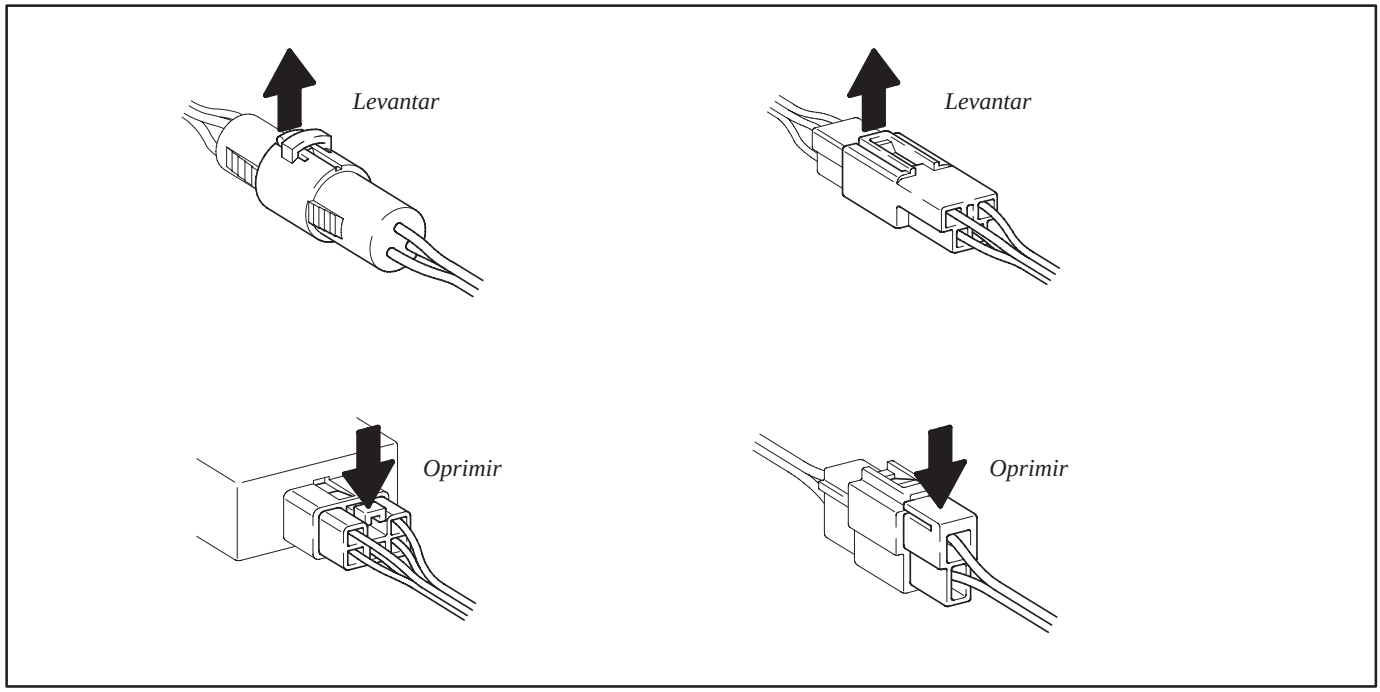
(a) Nunca abra la cubierta ni la caja de la ECU excepto en caso de que sea absolutamente necesario. (Si se tocan los terminales de los circuitos impresos, los circuitos pueden resultar dañados por la electricidad estática.)

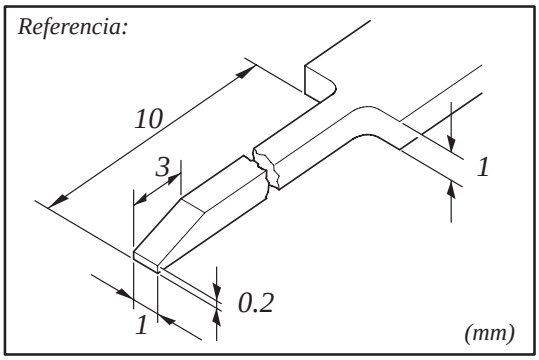
(b) Al reemplazar el mecanismo interno (parte de ECU) del medidor digital, asegúrese de que ninguna parte de su cuerpo ni ropa toque los terminales de conductores de IC, etc., de la parte de reemplazo (parte de repuesto).

DESCONEXION DE LOS CONECTORES MACHO Y HEMBRA

Para separar los conectores, tire del conector mismo y nunca del cable.

CONSEJO : Antes de separarlo, verifique el tipo de conector del que se trara.



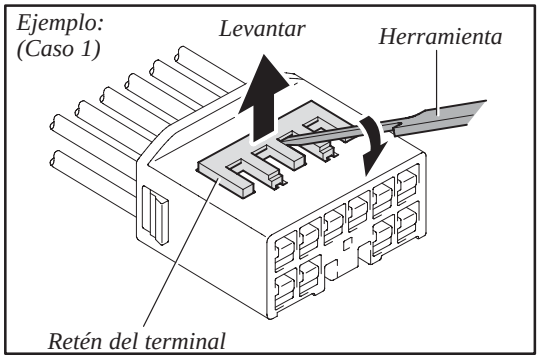


COMO REEMPLAZAR LOS TERMINALES (Con retenedor de terminal o dispositivo de bloqueo secundario)

1. PREPARE LA HERRAMIENTA ESPECIAL

   CONSEJO : Para extraer el terminal del conector, construya y utilice una herramienta especial u objeto parecido como se muestra a la izquierda.

2. DESCONECTE EL CONECTOR

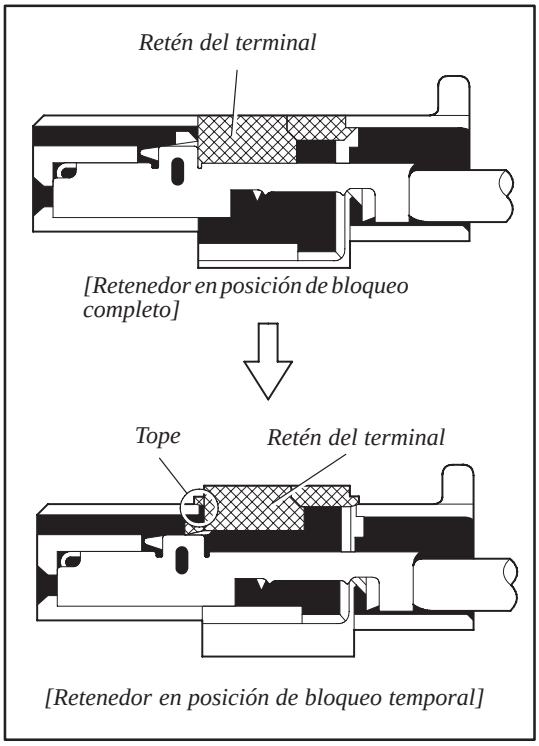


3. SEPARE EL DISPOSITIVO DE BLOQUEO SECUNDARIO O EL RETENEDOR DE TERMINAL

   (a) El dispositivo de bloqueo debe separarse antes de que el retenedor de bloqueo de terminal pueda liberarse y el terminal extraerse del conector.

   (b) Utilice una herramienta especial o el retenedor de terminal para desbloquear el dispositivo de bloqueo secundario o retenedor de terminal.

   AVISO:
   No extraiga el retenedor de terminal del cuerpo del conector.

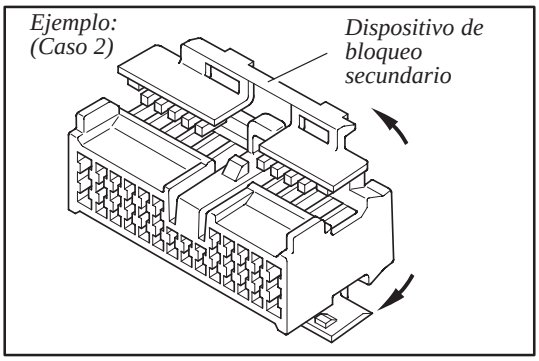


[A] Para conector de tipo no resistente al agua.

CONSEJO : La posición para introducir el agujero varía según la forma del conector (número de los terminales, etc.), por lo que asegúrese de la posición antes de introducirlo.

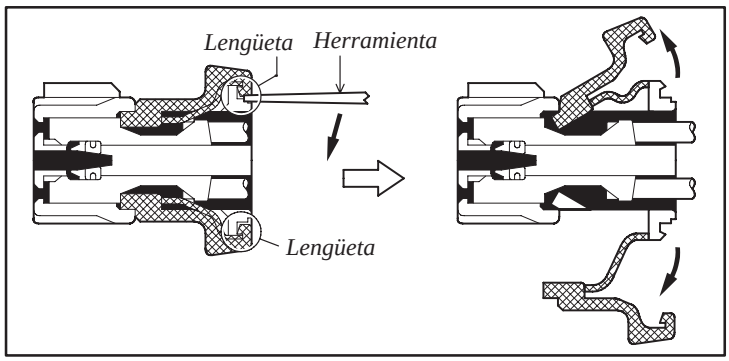
"Caso 1"

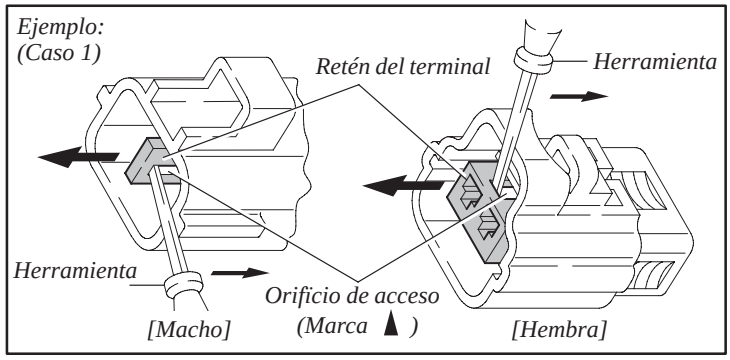
Levante el retén del terminal colocándolo provisoriamente en la posición de asegurado.

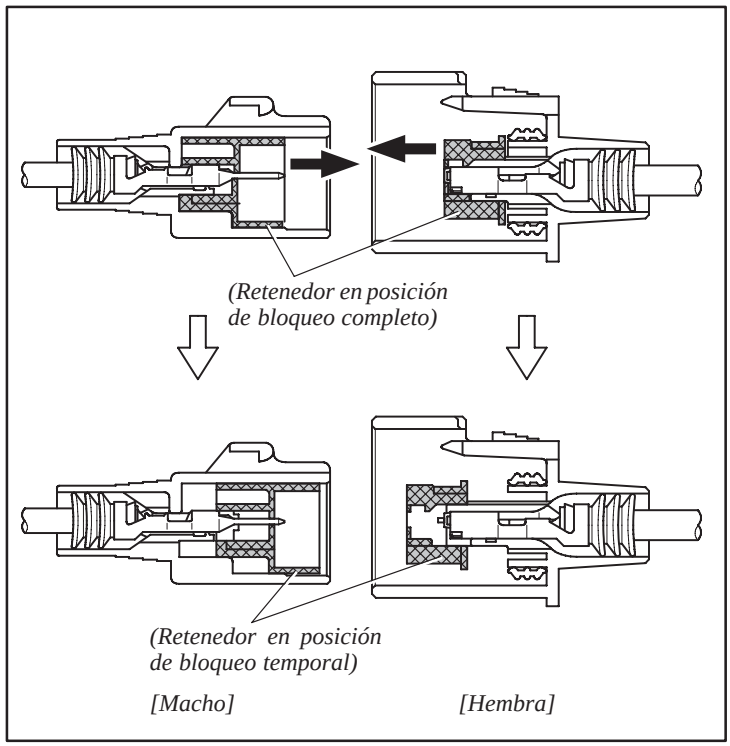


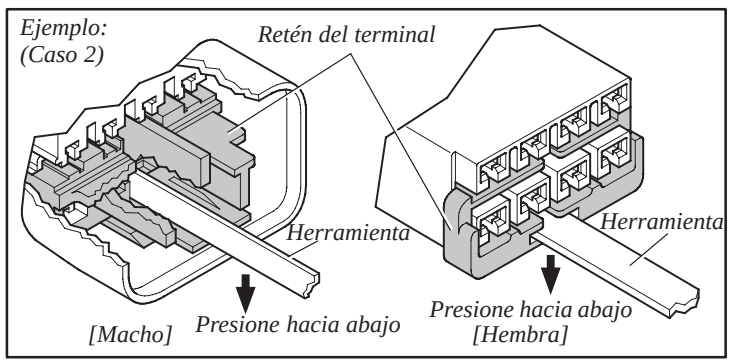
"Caso 2"

Abra el dispositivo de bloqueo secundario.









[B] Para conector de tipo resistente al agua

CONSEJO : El color del retenedor de terminal es diferente de acuerdo al cuerpo del conector.

Retenedor de terminal	*: Cuerpo del conector*
Negro o blanco	*: Gris*
Negro o blanco	*: Gris oscuro*
Gris o blanco	*: Negro*

"Caso 1"

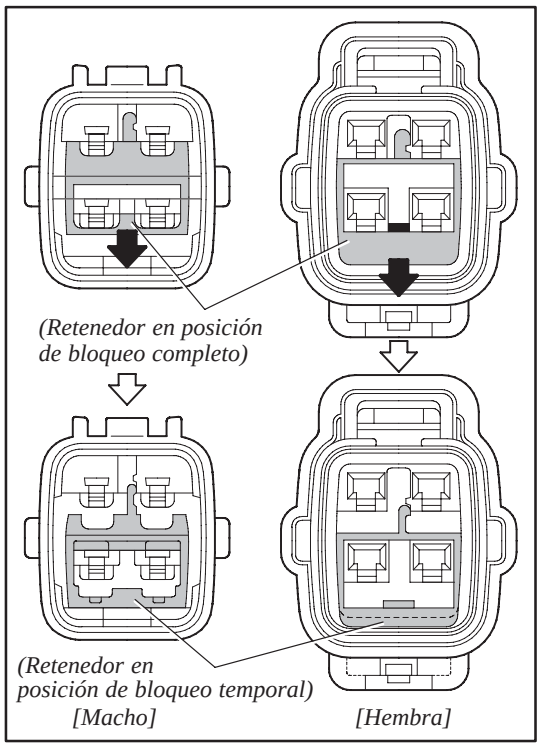
Tipo donde el retenedor de terminal se tira hacia arriba hacia la posición de bloqueo temporal (tipo de tiro).

Inserte la herramienta especial en el orificio de acceso del retenedor de terminal (marca ▲) y tire del retenedor de terminal hacia arriba hacia la posición de bloqueo temporal.

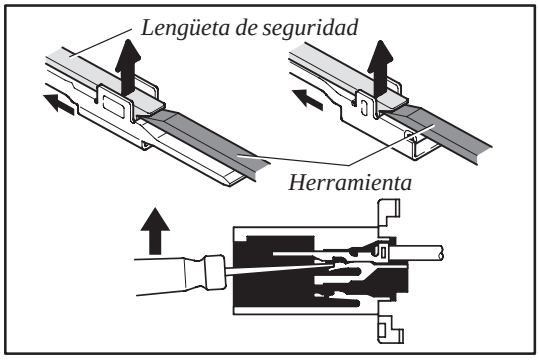
CONSEJOS : La posición de inserción de la aguja varia de acuerdo a la forma del conector (número de terminales, etc.), por eso compruebe la posición antes de insertarla.

"Caso 2"

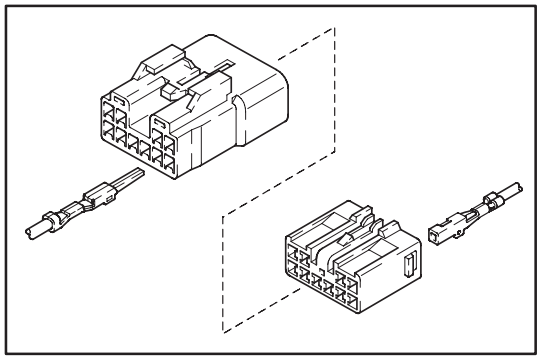
Tipo donde no se puede tirar hasta al posición de bloqueo de potencia, inserte la herramienta en el orificio de acceso del retendor terminal tal como se indica.



Presione hacia abajo del retenedor de terminal hacia la posición de bloqueo temporal.



(c) Suelte la lengüeta de segurided del terminal y extraiga el terminal por atrás.

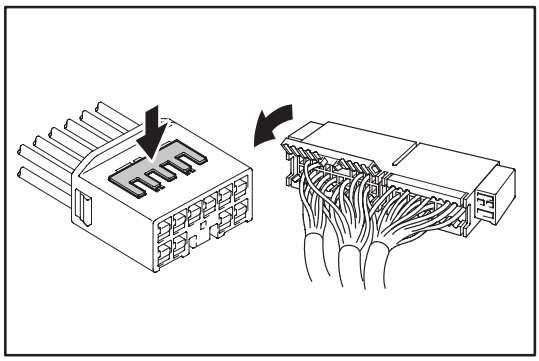


4. INSTALE EL TERMINAL EN EL CONECTOR

(a) Inserte el terminal

CONSEJOS:

1. *Verifique que el terminal quede correctamente ubicado.*
2. *Inserte el terminal hasta que la lengüeta del seguro quede trabada.*
3. *Inserte el terminal con el retén del mismo en posición de trabado provisorio.*



(b) Empuje el retén del terminal hasta que quede en la posición de completamente trabado.

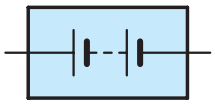
5. CONECTE EL CONECTOR

ABREVIATURAS

En este manual se utilizan las siguientes abreviaturas.

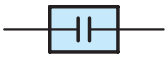
ABS	=	*Sistema de frenos antibloqueo (Anti–Lock Brake System)*
A/C	=	*Acondicionador de aire (Air Conditioner)*
ACIS	=	*Sistema de inducción de control acústico (Acoustic Control Induction System)*
ACM	=	*Soporte de control activo del motor (Active Control Engine Mount)*
A/T	=	*Transeje automático (Automatic Transaxle)*
BA	=	*Auxilio del freno (Brake Assist)*
CD	=	*Disco compacto (Compact Disc)*
COMB.	=	*Combinación (Combination)*
DLC3	=	*Conector de enlace de datos 3 (Data Link Connector 3)*
EC	=	*Electrocromático (Electrochromic)*
ECT	=	*Transmisión con control electrónico (Electronic Control Transmission)*
ECU	=	*Unidad de control electrónico (Electronic Control Unit)*
EFI	=	*Inyección de combustible electrónica (Electronic Fuel Injection)*
ESA	=	*Advance electrónico de la chispa (Electronic Spark Advance)*
EVAP	=	*Emisiones evaporativas (Evaporative Emission)*
IC	=	*Circuito integrado (Integrated Circuit)*
ISC	=	*Control de velocidad de ralentí (Idle Speed Control)*
J/B	=	*Bloque de enlaces (Junction Block)*
LH	=	*Izquierda (Left–Hand)*
LHD	=	*Vehículos con dirección a la izquierda (Left–Hand Drive)*
O/D	=	*Sobremarcha (Overdrive)*
R/B	=	*Bloque de relés (Relay Block)*
RH	=	*Derecha (Right–Hand)*
RHD	=	*Vehículos con dirección a la derecha (Right–Hand Drive)*
SRS	=	*Sistema suplementario de sujeción (Supplemental Restraint System)*
SW	=	*Interruptor (Switch)*
TEMP.	=	*Temperatura (Temperature)*
TRC	=	*Control de tracción (Traction Control)*
VSC	=	*Control de la estabilidad del vehículo (Vehicle Stability Control)*
VSV	=	*Válvula conmutadora de vacío (Vacuum Switching Valve)*
VVT	=	*Distribución de válvulas variable (Variable Valve Timing)*
w/	=	*Con (With)*
w/o	=	*Sin (Without)*

∗ *Los títulos dados dentro de los componentes son los nombres de los terminales (códigos de terminal) y no se tratan como abreviaturas.*



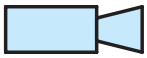
BATERIA

Almacena energía química y la convierte en energía eléctrica.
Proporciona corriente continua para los diversos circuitos eléctricos del vehículo.



CAPACITOR (Condensador)

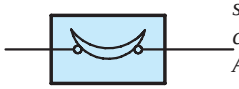
Pequeña unidad de retención que puede almacenar temporariamente una tensión électrica.



ENCENDEDOR DE CIGARRILLOS

Elemento de calentamiento con resistencia eléctrica.

RUPTOR



Básicamente un fusible reutilizable, el ruptor se calienta y se abre si un flujo excesivo de corriente fluye por el mismo.
Algunas unidades vuelven automáticamente al estado inicial una vez frías, mientras que otras deben ser reposicionadas manualmente.



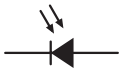
DIODO

Semiconductor que permite el flujo de corriente en un sólo sentido.



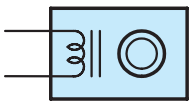
DIODO DE ZENER

Semiconductor que permite el flujo de corriente en un sólo sentido pero bloquea el flujo en sentido contrario hasta una tensión específica. Por encima de este valor, la tensión excesiva pasa por este diodo. De esta manera, actúa como un sencillo regulador de tensión.



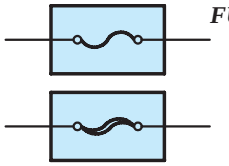
FOTODIODO

El fotodiodo es un semiconductor que controla el flujo corriente según la intensidad de la luz.



DISTRIBUIDOR, IIA

Canaliza la alta tensión de la bobina de encendido hacia las bujías individuales.



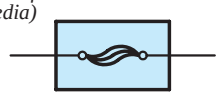
FUSIBLE

Delgada tira de metal que se quema cuando pasa un flujo de corriente excesivo por el mismo, cortando de esta manera el flujo de corriente y protegiendo el circuito de posibles daños.

(para fusible de corriento media)

ESLABON FUSIBLE

Alambre grueso colocado en circuitos de alto amperaje que se quema en caso de sobrecarga, para proteger el circuito.



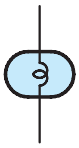
(para fusible de corriente alta o eslabón fusible)



MASA

Punto en el cual el cableado hace contacto con la carrocería del vehículo, proporcionando de esta manera una vía de retorno para el circuito eléctrico. Sin conexión a masa, la corriente no fluye.

FARO



1. MONOFILAMENTO

El flujo de corriente hace que el filamento del faro se caliente y emita luz. Los faros pueden ser de tipo monofilamento (1) o de filamento doble (2).

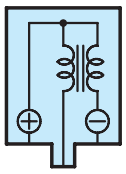


2. DE FILAMENTODOBLE



BOCINA

Dispositivo eléctrico que hace sonar una señal audible.



BOBINA DE ENCENCIDO

Convierte la corriente continua de baja tensión en corriente de encendido de alta tensión para activar las bujías.



LAMPARA

El flujo de corriente a través del filamento hace que este se caliente y emita luz



DEL (DIODO EMISOR DE LUZ)

Al pasar corriente, este diodo emite luz sin producir el calor de otras fuentes de luz.



MEDIDOR ANALOGICO

La corriente activa la bobina magnética que hace que la aguja se desplace, proporcionando de esta manera una indicación relativa contra el cuadrante ubicado detrás de la aguja.



MEDIDOR DIGITAL

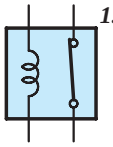
El flujo de la corriente activa uno o varios diodos emisores de luz, de cristal líquido o indicadores fluorescentes, que proporcionan una indicación relativa o digital.



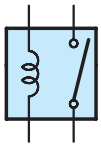
MOTOR

Unidad de potencia que convierte energía eléctrica en energía mecánica, en especial, en movimiento de rotación.

RELE



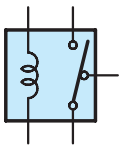
1. NORMALMENTE CERRADO



2. NORMALMENTE ABIERTO

Básicamente, un interruptor operado eléctricamente que puede estar normalmente cerrado (1) o bien normalmente abierto (2). El flujo de la corriente a través de una pequeña bobina crea un campo magnético que abre o cierra el interrupntor correspondiente.

RELE DE DOS DIRECCIONES



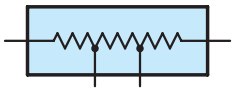
Un relé que permite que la corriente pase por un juego de contactos o por el otro.

RESISTENCIA



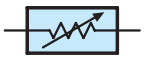
Componente eléctrico con resistencia fija colocado en un circuito para reducir la tensión hasta un valor específico.

RESISTENCIA, CON TOMAS



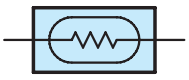
Resistencia que suministra dos o más valores de resistencia diferentes no ajustables.

RESISTENCIA VARIABLE o REOSTATO



Resistencia cuyo valor puede controlarse. Asimismo denominado potenciometro o reostato.

SENSOR (Termistor)



Resistencia cuyo valor varía según la temperatura.

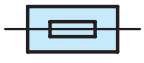
SENSOR, VELOCIDAD



(Tipo de interruptor de lámioas)

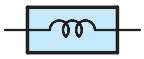
Utilizando impulsos magnéticos para abrir y cerrar un interruptor con la finalidad de crear una señal de activación de otros componentes.

PASADOR CORTO



Utilizado para proporcionar una conexión continua dentro del bloque de empalmes.

SOLENOIDE



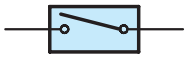
Bobina electromagnética que forma un campo magnético cuando fluye corriente por la misma para mover un émbolo, etc.

ALTAVOZ

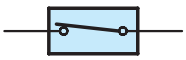


Dispositivo electromecánico que crea ondas de sonido a partir de un flujo de corriente.

INTERRUPTOR, MANUAL



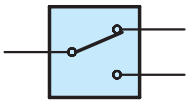
1. NORMALMENTE ABIERTO



2. NORMALMENTE CERRADO

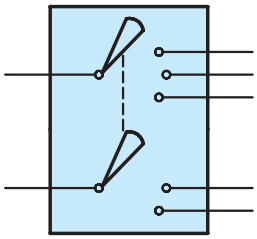
Abre o cierra los circuitos, cortando (1) o permitiendo (2) el flujo de la corriente.

INTERRUPTOR DE DOS DIRECCIONES



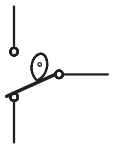
Interruptor que hace pasar la corriente de manera continua por uno de los dos grupos de contactos o por el otro.

INTERRUPTOR DE ENCENDIDO



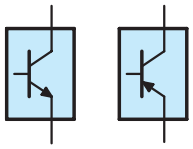
Interruptor accionado mediante una llave con varias posiciones que permiten que varios circuitos, en especial, el circuito de encendido primario, se activen.

INTERRUPTOR DE DETENCION DEL LIMPIAPARABRISAS



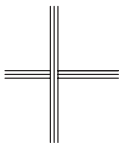
Hace que las hojas del limpiaparabrisas retornen automáticamente a la posición de detenidos al colocar el interruptor del limpiaparabrisas en la posición OFF.

TRANSISTOR

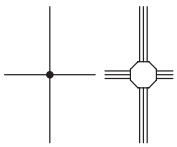


Dispositivo de estado sólido utilizado típicamente como relé electrónico que interrumpe o permite el paso de la corriente aplicada a la "base" del mismo.

CABLES



(1) NO CONECTADOS



(2) EMPALMADOS

Los cables se representan siempre mediante líneas rectas en los diagramas de cableado. Los cables cruzados (1) sin un punto negro en la intersección no están conectados; los cables cruzados (2) con un punto negro o una marca octogonal (⬡) en la intersección están conectados (empalmados).

A EINFÜHRUNG

Diese Anleitung besteht aus den folgenden 14 Abschnitten:

Nr.	Abschnitt	Beschreibung
A	INDEX	Inhaltsverzeichnis dieser Anleitung.
	EINFÜHRUNG	Kurze Erklärung der einzelnen Abschnitte.
B	ANWENDUNGS–HINWEISE	Hinweise für die Benutzung dieser Anleitung.
C	FEHLERSUCHE	Beshreibung der Schaltkreisprüfungen.
D	ABKÜRZUNGEN	Erklärung der verwendeten Abkürzungen.
E	BEZEICHNUNGEN UND SYMBOLE	Erklärung der Symbole und von Teilefunktionen.
F	RELAISPOSITIONEN	Zeigt die Einbauposition der Steuergeräte, Relais, Relaiskasten usw.. Dieser Abschnitt bezieht sich auf die Systemschaltkreise.
G	VERKABELUNG	Beschreibt die Stecker, Verzweigungs–, Massestellen usw.. Dieser Abschnitt bezieht sich auf die Systemschaltkreise.
H	INDEX	Index der Systemschaltkreise.
	SYSTEM–SCHALTKREISE	Die betreffenden Schaltungen sind von der Stromversorgung bis zur Masse gezeigt. Die Anschlüsse und ihre Position sind mit Codes entsprechend des Auschlußtypes gezeigt. (Siehe Abschnitt ”Anwendungshinweise”.) Die ”Systembeschreibung” und die ”Wartungshinweise” befinden sich ebenfalls in diesem Abschnitt.
I	MASSENPUNKT	Positionen der beschriebenen Massepunkte.
J	STROMQUELLE (Stromflußschema)	Beschreibt die Stromzufuhr zu den verschiedenen elektrischen Verbrauchern.
K	STECKERLISTE	Beschreibung der Steckerform für die in dieser Anleitung aufgeführten Teile. Dieser Abschnitt bezieht sich auf die Systemschaltkreise.
L	STECKER–INFORMATION	Beschreibt die Seitennummer (siehe Seite), die die dem Teile–Code enstprechende Teile–Benennung sowie Einbaustelle im Fahrzeug darstellt.
M	TEILE–NUMMER DER STECKER	Zeigt die Teile–nummer der in dieser Anleitung verwendeten Stecker.
N	GESAMTVERKABE–LUNGSPLAN	Beschreibt die Schaltkreise mit ihren Verbindungen.

In dieser Anleitung sind die Angaben für die einzelnen im Fahrzeug befindlichen Systemschaltkreise zusammengefaßt.

Die Verkabelung der einzelnen Schaltkreise ist von der Stromversorgung über die Batterie bis zum betreffenden Massepunkt gezeigt. Die Schaltschemen sind mit ausgeschalteten Schaltern dargestellt.

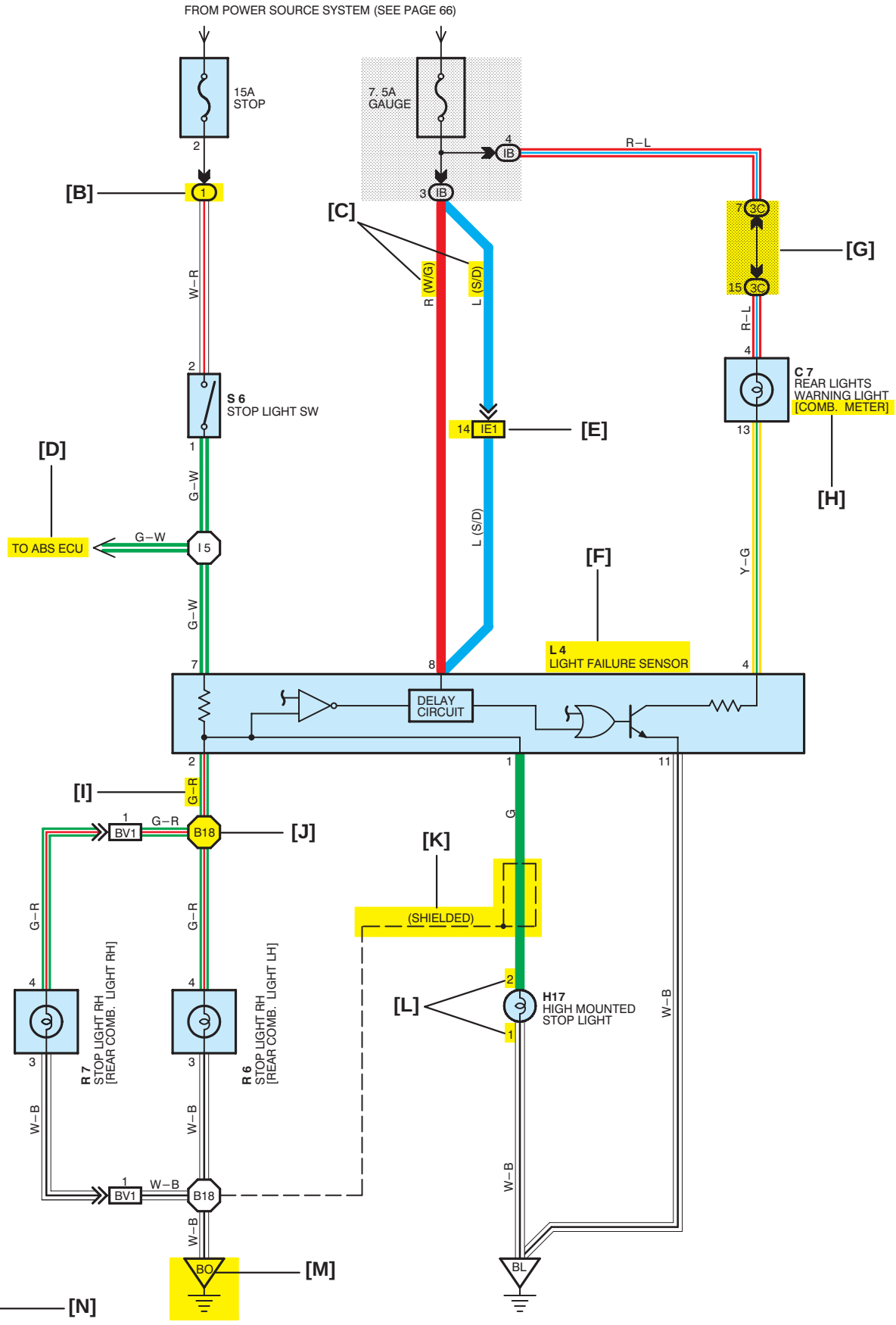
Bei der Fehlersuche muß zuerst die Funktionsweise des Schaltkreises, in dem die Störung aufgetreten ist, (siehe Systemschaltkreise), die Stromversorgung (siehe Stromlaufpläne und die Massenanschlüsse (siehe Massepunkt) richtig verstanden werden. Für die Funktion wird auf die Systembeschreibung verwiesen.

Danach muß die Störungsursache anhand der Relaispositionen, Verkabelung und Stromlaufpläne eingekreist und die Anschlußkasten, Kabelstecker, Kabelbäume, Verzweigungen und Massenanschlüsse zur genauen Lokalisierung des Fehlers geprüft werden. Zum besseren Verständnis ist auch die innere Verkabelung der Anschlußkasten gezeigt.
Die Verkabelung der einzelnen Systeme ist mit Pfeilen (von __, zu __) bezeichnet. Für einen Gesamtüberblick der Anschlüsse wird auf den Verdrahtungsplan am Ende dieser Anleitung verwiesen.

[A]

STOP LIGHT

∗ Hier ist nur ein Beispiel aufgeführt, das sich vom Schaltschema im kapitel ”Verdrahtungsanleitung” unterscheidet.



[A] : Systembezeichnung

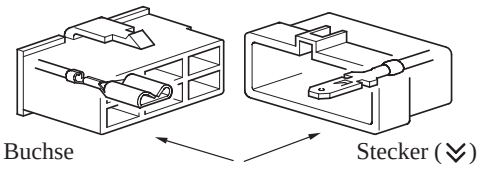
[B] : Bezeichnet den Relaiskasten. Falls nur die Relaiskastennr. zur Unterscheidung von einem Anschlußkasten gezeigt wird, wird keine Schraffierung verwendet.

Beispiel: (1) Bezeichnet Relaiskasten Nr.1

[C] : Eingeklammerte kabel– und Steckerbezeichnungen etc. ( ) sind für unterschiedliche Fahrzeugmodelle, Motortypen oder andere Spezifikationen.

[D] : Bezeichnet ein in Verbindung stehendes System.

[E] : Bezeichnet den Kabelbaum und den Stecker. Die Steckerseite wird mit Pfeilen bezeichnet (⩔).
Mit außenstehenden Zahlen wird die Stiftnummer bezeichnet.



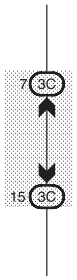
Mit dem ersten Buchstaben des Kabelbaumbzw. Steckercodes wird die Einbauposition bezeichnet, wie z.B. ”E” für Motorraum, ”I” für Armaturenbrett und ”B” für Karosserie.

Falls bei mehreren Codes die ersten beiden Buchstaben gleich sind, werden die kabelbäume bzw. Stecker numeriert, z.B. H1, H2.

[F] : Bezeichnet ein Teil (alle Teile werden hellblau bezeichnet). Der gleiche Code wird auch für die Teileposition verwendet.

[G] : Anschlußkasten. Die eingekreiste Zahl bezeichnet die Anschlußkastennummer und der Stecker wird daneben gezeigt. Die Anschlußkasten sind auf schraffiertem Untergrund gezeigt, um sie deutlich von anderen Teilen unterscheiden zu können.

Beispiel:



3C ist im Anschlußkasten Nr.3 vorhanden.

[H] : Wenn für zwei Teile der gleiche Stecker verwendet wird, ist die Steckerbezeichnung im Abschnitt Verkabelung in eckige Klammern [ ] gesetzt.

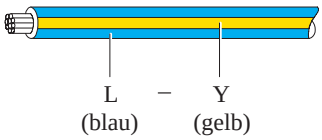
[I] : Bezeichnet die Kabelfarbe.

Die Farben werden mit Buchstabensymbolen bezeichnet.

B	= Schwarz	W	= Weiß	BR	= Braun
L	= Blau	V	= Violet	SB	= Himmelblau
R	= Rot	G	= Grün	LG	= Hellgrün
P	= Rosa	Y	= Gelb	GR	= Grau
O	= Orange				

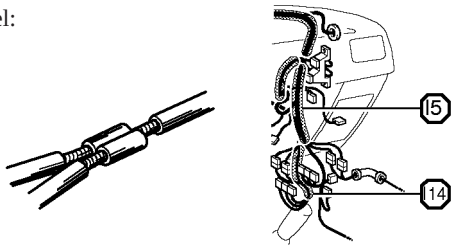
Mit dem ersten Buchstaben wird die Kabelfarbe und mit dem zweiten Buchstaben die Farbe des Streifens bezeichnet.

Beispiel: L – Y



[J] : Bezeichnet die Verzweigungsstelle und die Position wird wie z.B. mit ”E” für Motorraum (engine room), ”I” für Instrumentenbrett (instrument Panel) oder ”B” für Karosserie (body) bezeichnet.

Beispiel:



Die Position der Verzweigungsstelle TS wird durch eine Schraffierung bezeichnet.

[K] : Bezeichnet Kabel mit Abschirmung.



[L] : Bezeichnet die Stiftnummer eines Steckers. Die Numerierung ist für Stecker und Buchsen verschieden.

Beispiel: Numerierung von oben links nach unten rechts. Numerierung von oben rechts nach unten links.



Buchse Stecker

[M] : Bezeichnet Massenpunkte.

Mit dem ersten Buchstaben im Code für die Masseanschlüsse wird die Position bezeichnet, wie z.B. ”E” für Motorraum, ”I” für Armaturenbrett und ”B” für die Karosserie.

[N] : Seitennummer

[O] SYSTEM OUTLINE (SYSTEMBESCHREIBUNG)

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 (WARTUNGSHINWEISE)

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 (TEILEPOSITION)

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

[R] : RELAY BLOCKS (RELAISKASTEN)

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

[S] : JUNCTION BLOCK AND WIRE HARNESS CONNECTON (ANSCHLUSSKASTEN UND KABELBAUMSTECKER)

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 (KABELBAUMSTECKER)

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 (MASSEANSCHLÜSSE)

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

[V] : SPLICE POINTS (VERBINDUNGSSTELLEN)

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] : Bezeichnet die Systembeschreibung.

[P] : Bezeichnet Werte oder erklärt Funktionen für die Fehlersuche.

[Q] : Bezeichnet Referenzseite für die Schaltkreisteile.

Beispiel : Teile ”L4” (Leuchtenausfallsensor) befindet sich auf Seite 36 dieser Anleitung.
* Der Buchstabencode ist der erste Buchstabe des Teil und die Zahl ist fortlaufend.
Beispiel: L 4
Viertes Teil
Leuchtenausfallsensor

[R] : Bezeichnet die Referenzseite für die Schaltkreisrelaiskastenstecker.

Beispiel : Der Stecker ”1” ist auf Seite 18 beschrieben und befindet sich auf der linken Seite des Instrumentenbretts.

[S] : Bezeichnet die Referenzseite für die Anschlußkasten und Kabelbäume.

Beispiel : Der Stecker ”3C” verbindet das Spritzwandkabel mit dem Anschlußkasten Nr.3. Die Beschreibung befindet sich auf Seite 22 dieser Anleitung und der Kasten befindet sich auf der linken Seite des Instrumentenbretts.

[T] : Bezeichnet die Referenzseite für die Kabelbäume und Kabelstecker. Zuerst ist der Buchsenkabelbaum und dann der Steckerkabelbaum aufgeführt.

Beispiel : Der Stecker ”IE1” verbindet den rechten Vordertürkabelbaum (Buchse) mit dem Spritzwandkabel (Stecker). Er wird auf Seite 42 dieser Anleitung beschrieben und befindet sich auf der rechten Seite der Spritzwand.

[U] : Bezeichnet die Referenzseite für die Massenpunkte.

Beispiel : Der Massepunkt ”BO” wird auf der Seite 50 dieser Anleitung beschrieben und befindet sich auf der linken Spritzwandseite.

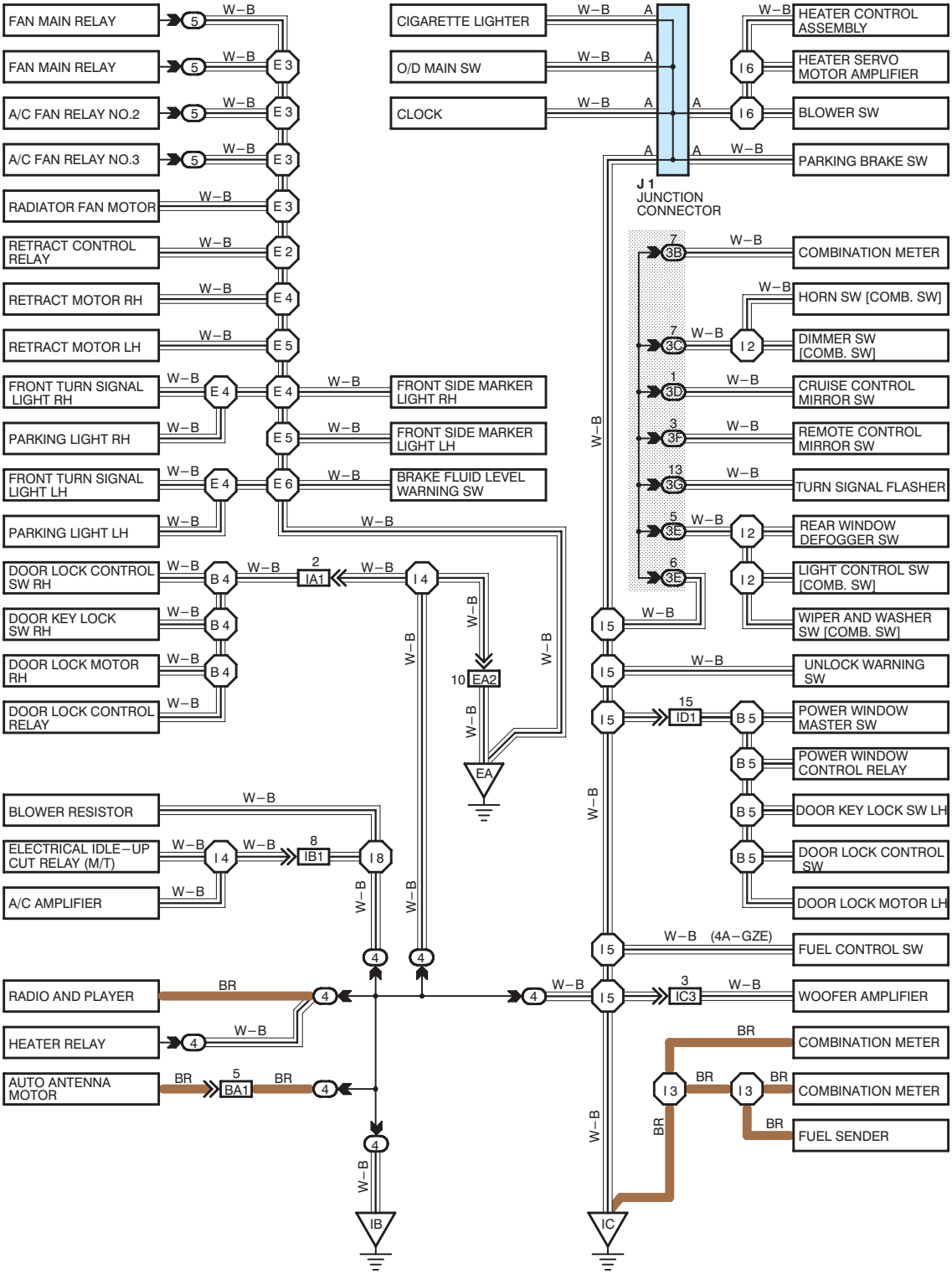
[V] : Bezeichnet die Referenzseite für die Kabelverzweigungsstellen.

Beispiel : Die Verzweigungsstelle ”I5” des Spritzwandkabelbaums wird auf Seite 44 dieser Anleitung beschrieben.

B ANWENDUNGSHINWEISE

Im Massepunktschema werden die Anschlüsse der einzelnen Teile an die entsprechenden Massepunkte gezeigt.
Bei der Fehlersuche eines fehlerhaften Massepunkts wird zur einfacheren Lokalisierung der Fehlers empfohlen, alle Schaltkreise, die einen gemeinsamen Massepunkt verwenden, zu prüfen. Der Zusammenhang einzelner Massepunkte (EA, IB und IC) kann auf die gleiche Weise überprüft werden.)

I GROUND POINT

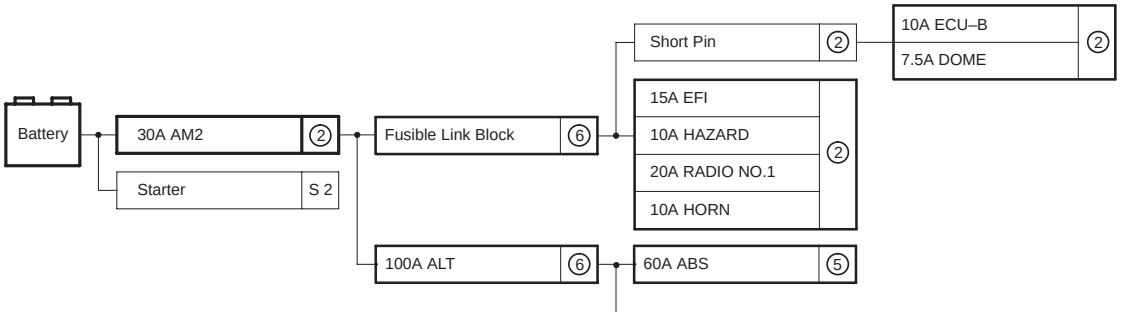


* Hier ist nur ein Beispiel aufgeführt, das sich vom Schaltschema im Kapitel ”Verdrahtungsanleitung” unterscheidet.

Im Abschnitt ”Stromlaufpläne” werden die Teile bezeichnet (Sicherungen, Schmelzsicherungen und Unterbrecher), die von der Stromquelle mit Strom versorgt werden. Im Stromquellenschema wird der Zustand gezeigt, wenn alle Teile mit Strom versorgt werden. Für die Schaltkreise ist ein gutes Verständnis der Stromversorgung eine Voraussetzung.

J POWER SOURCE (Current Flow Chart)

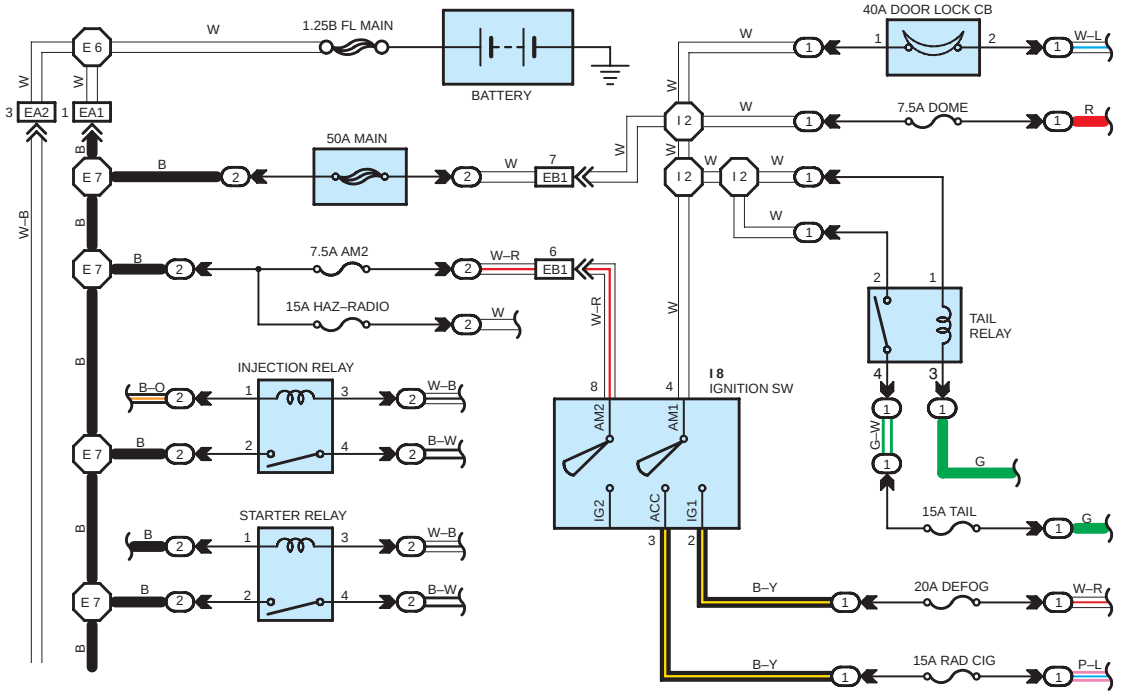
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

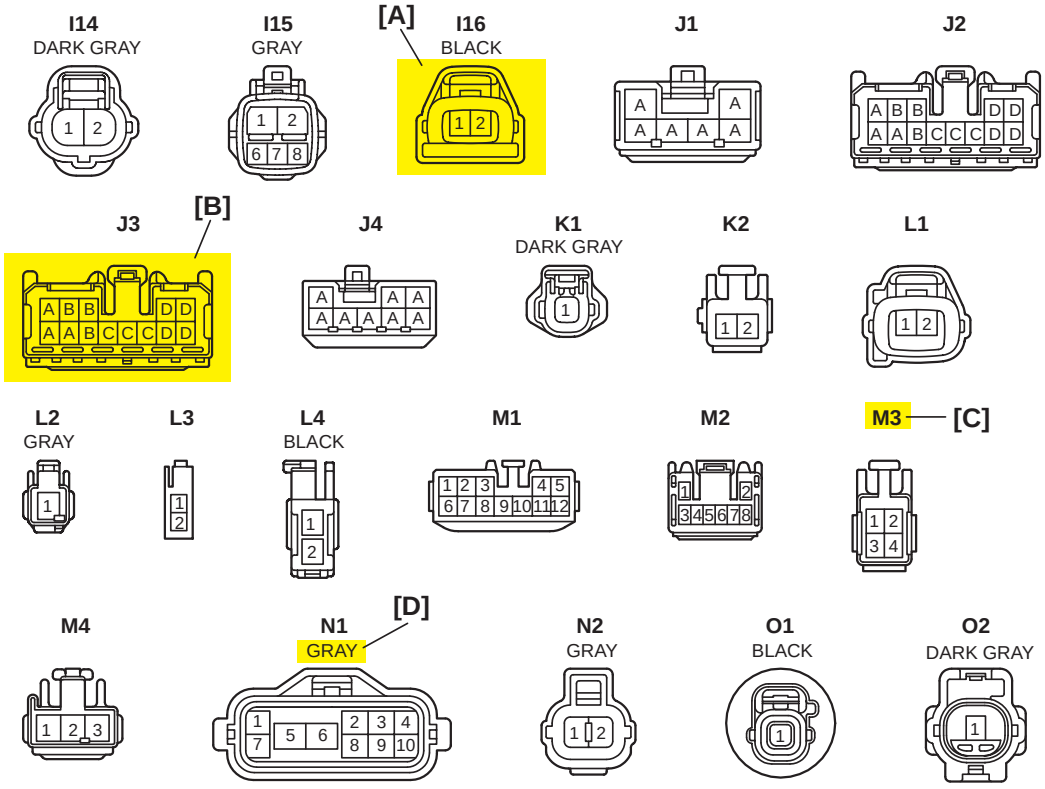
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission and A/T Indicator Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter and Clock Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto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

POWER SOURCE



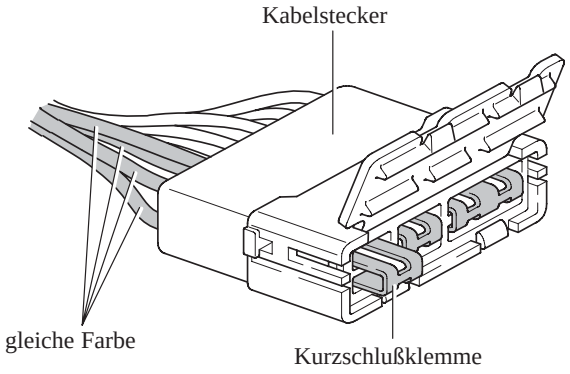
＊ Hier ist nur ein Beispiel aufgeführt, das sich vom Schaltschema im Kapitel ”Verdrahtungsanleitung” unterscheidet.

K CONNECTOR LIST



[A] : Bezeichnet den Anschlußstecker, die Stifte werden mit einer Zahl bezeichnet.

[B] : Kabelstecker
Zeigt den an die Kurzschlußklemme angeschlossenen Kabelstecker.



Die Kabelstecker besitzen einen Kurzschlußklemme, der an verschiedenen Kabeln angeschlossen ist. Die Prüfungen müssen immer mit eingestecktem Kurzschlußklemme durchgeführt werden. (Die Kabel können an jeder Position der durch den Kurzschlußklemme kurzgeschlossenen Kabel angeschlossen werden. Je nach Fahrzeug können an einer Kurzschlußklemmeposition Kabel von anderen Vorrichtugen angeschlossen sein.)
Die Kabel des gleichen Kurzschlußklemmes sind mit der gleichen Farbe gekennzeichnet.

[C] : Teile–Code
Da erste Buchstabe eines Codes aus der Anfangsbuchstabe eines Teils stammt, zeigt eine Ziffer die Reihenfolge des mit entsprechenden Buchstabe beginnenden Teils an.

[D] : Steckerfarbe
Die nicht bezeichneten Stecker sind weiß.

L STECKERINFORMATION

Code	siehe Seite	Teile–Benennung
A 1	20 (LHD 4A–FE)	A/C–Kondensatorlüftermotor
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 2	20 (LHD 4A–FE)	A/C–Magnetkupplung
	30 (RHD 4A–FE)	
A 3 [A]	20 (LHD 4A–FE) [B]	A/C–Magnetkupplung und Blockiersensor [C]
	22 (LHD 4E–FE)	
	30 (RHD 4A–FE)	
	32 (RHD 4E–FE)	
A 4	20 (LHD 4A–FE)	A/C–Dreifachdruckschalter (A/C–Doppel–und Einfachdruckschalter)
	22 (LHD 4E–FE)	

Code	siehe Seite	Teile–Benennung
D 4	24 (LHD)	Diode (O/D)
	34 (RHD)	
D 5	24 (LHD)	Türsteuerempfänger
	34 (RHD)	
D 6	34 (RHD)	Türverriegelungssteuerrelais
D 7	24 (LHD)	Türverriegelungssteuerschalter
	34 (RHD)	
D 8	26 (LHD S/D)	Diode (Türleuchte)
	28 (LHD W/G)	
	36 (RHD S/D)	
	38 (RHD W/G)	
	26 (LHD S/D)	de (Nebelschlußleuchte)

[A] : Teile–Code

[B] : siehe Seite
Beschreibt die Seitennummer des Systemschaltkreises, die die Einbaustelle im Fahrzeug zeigt.

[C] : Teile–Benennung

M 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]	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980–10943 [C]
	A/T Oil Temp. Sensor [B]	909 413
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		90980–11194
		90980–11

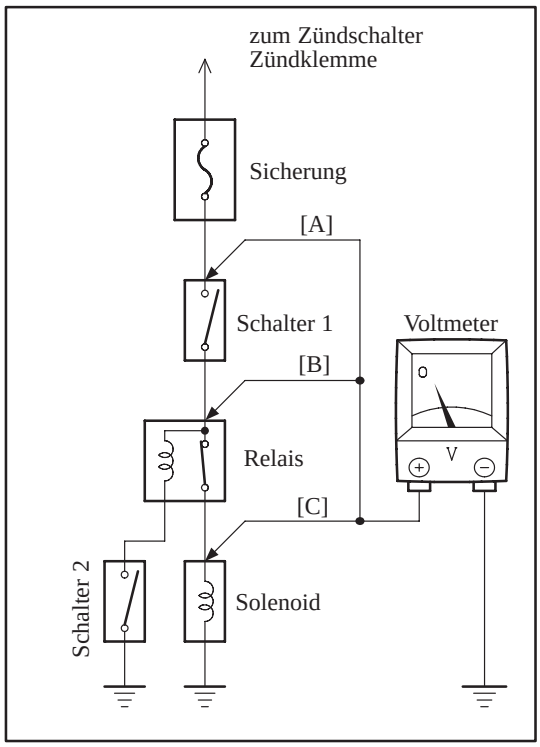
Code	Part Name	Part Number
D 4	Diode (Door Courtesy Light)	90980–11608
D 5	Diode (Key Off Operation)	90980–10962
D 6	Diode (Luggage Compartment Light)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Courtesy Light LH	90980–11148
D 9	Door Courtesy Light RH	
D10	Door Courtesy SW LH	90980–11097
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	d Unlock SW LH	90980–11170
	RH	

[A] : Teile–Code

[B] : Teile–Benennung

[C] : Teile–Nummer
Beschreibt die TOYOTA–Teile–Nummer.

Nicht alle der obenerwähnten Teile–Nummern der Stecker werden für die Lieferung etabliert. Im Falle der Bestellung von Stecker oder Anschlußklemme mit Draht bestätigen Sie bitte unter Verwendung der ”Teile–Prospekt–Nachtrichten” (herausgegeben durch die Teile–Engineering–Verwaltungsabteilung) im voraus, ob es entsprechende Lieferung gibt.

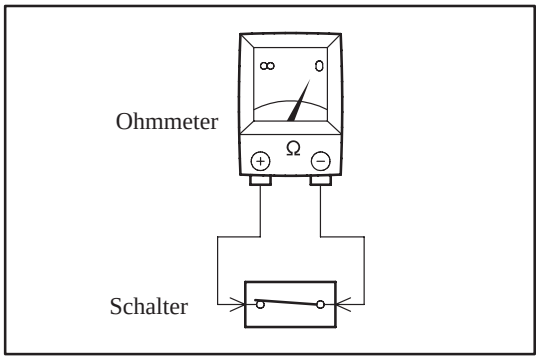


SPANNUNGSPRÜFUNG

(a) Die entsprechenden Schalter so einstellen, daß an der Prüfstelle Spannung vorhanden ist.

Beispiel:
[A] – Zündschalter eingeschaltet
[B] – Zündschalter und Schalter 1 eingeschaltet.
[C] – Zündschalter, Schalter 1 und Relais eingeschalteter (Schalter 2 ausgeschaltet)

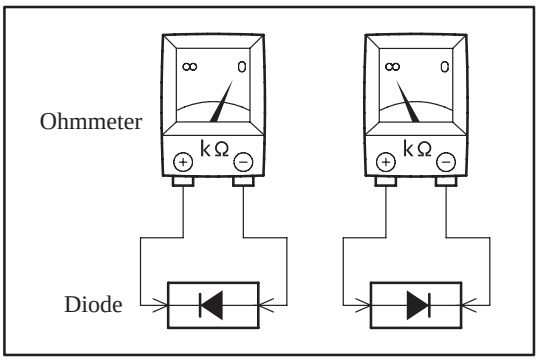
(b) Die negative Prüfspritze eines Voltmeters mit der Masse oder der negativen Batterieklemme und die positive Prüfspitze mit dem Stecker bzw. der Klemme verbinden. Zur Prüfung kann anstelle eines Voltmeters auch eine Prüflampe verwendet werden.



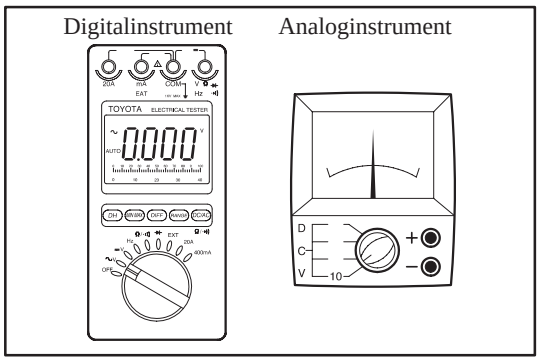
STROMDURCHGANGS– UND WIDERSTANDSPRÜFUNG

(a) Die Batterieklemme oder das betreffende Kabel lösen, so daß zwischen den Prüfpunkten keine Spannung vorhanden ist.

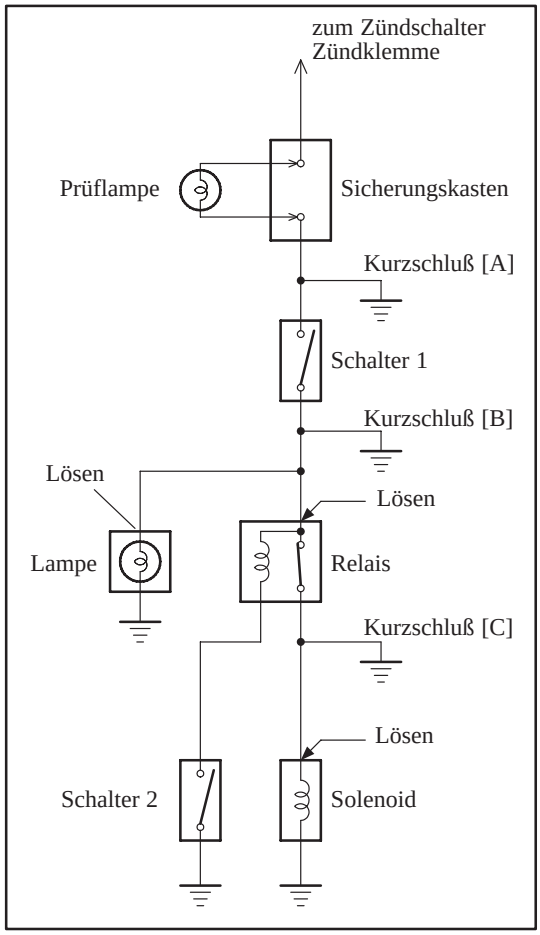
(b) Die Prüfspitzen eines Ohmmeter mit den beiden Prüfstellen verbinden.



Falls im Schaltkreis Dioden vorhanden sind, die Prüfspitzen umgekehrt anbringen und nochmals prüfen.
Wenn die negative Prüfspitze mit der positiven Diodenseite und die positive Prüfspitze mit der negativen Diodenseite verbunden wird, muß Stromdurchgang vorhanden sein.
Falls die Prüfspitzen umgekehrt angeschlossen werden, darf kein Stromdurchgang vorhanden sein.



(c) Für die Fehlersuche eines Schaltkreises muß ein Volt/Ohmmeter mit einer Impedanz von mindestens 10kΩ/V verwendet werden.



AUFFINDEN EINER KURZSCHLUSSSTELLE

(a) Die durchgebrannte Sicherung entfernen und alle elektrischen Verbraucher von der Sicherung lösen.

(b) Anstelle der Sicherung eine Prüflampe anschließen.

(c) Die entsprechenden Schalter so stellen, daß die Prüflampe aufleuchtet.

Beispiel:
[A] – Zündschalter eingeschaltet
[B] – Zündschalter und Schalter 1 eingeschaltet
[C] – Zündschalter, Schalter 1 und Relais eingeschaltet (Relais anschließen) und Schalter 2 ausgeschaltet (bzw. Schalter 2 lösen)

(d) Die Stecker lösen und anschließen und dabei die Prüflampe beobachten.
Der Kurzschluß befindet sich zwischen dem Stecker bei dem die Prüflampe leuchtet und dem Stecker bei dem sie erlischt.

(e) Die Kurzschlußstelle durch leichtes Bewegen des Kabels auffinden.

VORSICHT:

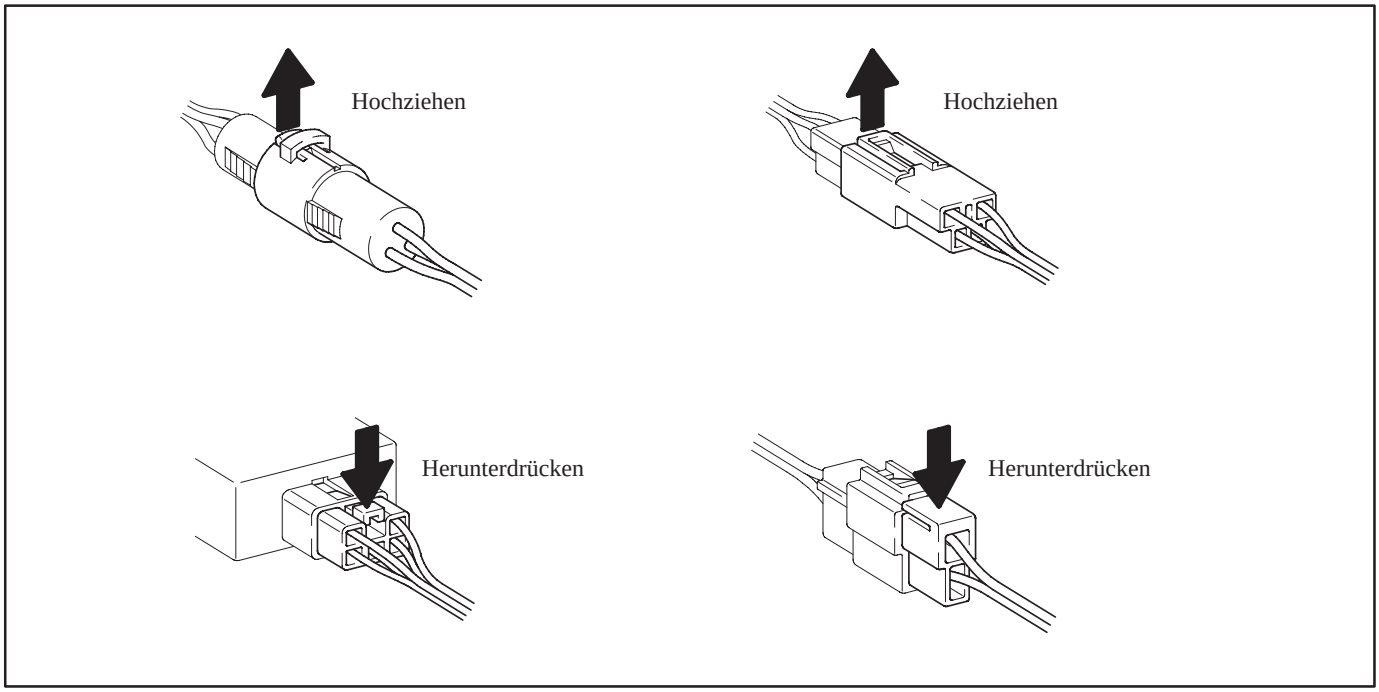
(a) Die Abdeckung des Steuergeräts deft nur wenn unbedingt notwendig geöffnet werden.
(Falls die elektronischen Schaltungen berührt werden, können sie durch die statische Aufladung beschädigt werden.)

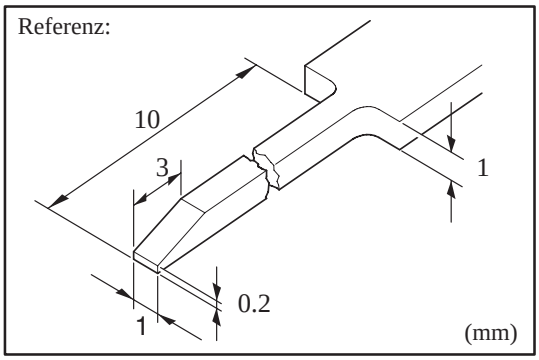
(b) Beim Auswechseln des innen Mechanismus (ECU–Teil) des digitalen Messers sollte man sich darauf achten, daß lhr Körper oder Kleidung nicht mit den Anschlußklemmen der Zuführungsdrähte aus IC, usw. des Auswechselteiles (Ersatzteil) in Berührung kommt.

LÖSEN VON STECKERN

Beim Lösen von Steckverbindungen immer die Stecker selbst festhalten, nie am Kabelbaum ziehen.

HINWEIS : Vor dem Lösen zuerst feststellen, um welche Art von Stecker es sich handelt.



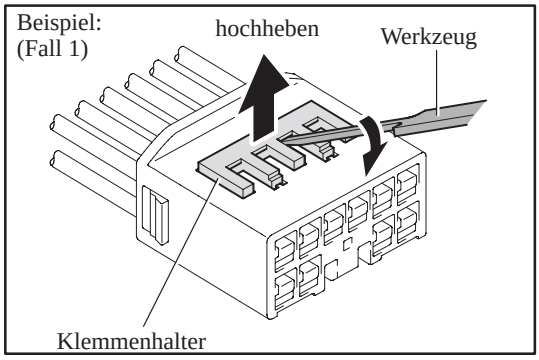


ERSETZEN VON KLEMMEN (mit Klemmenhalter oder Sekundärsicherung)

1. EIN SPEZIALWERKZEUG VORBEREITEN.

   HINWEIS : Zum Lösen der Klemme vom Stecker das Spezialwerkzeug oder ein ähnliches Werkzeug wie links abgebildet verwenden.

2. DEN STECKER LÖSEN.

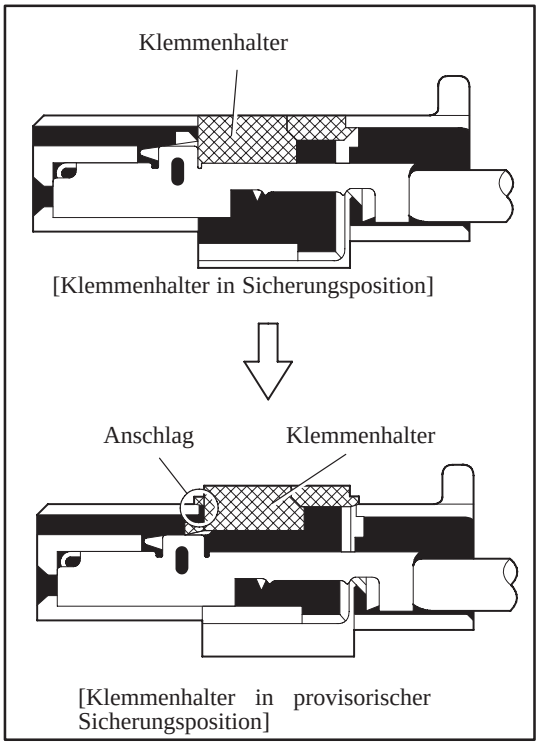


3. DIE SEKUNDÄRSICHERUNG BZW. DEN KLEMMENHALTER LÖSEN.

   (a) Die Steckersicherung muß zuerst gelöst werden, bevor die Sicherungsklammer abgenommen und die Klemme vom Stecker entfernt wird.

   (b) Zum Lösen der Sekundärsicherung oder des Klemmenhalters ein Spezialwerkzeug oder eine Klemmenzange verwenden.

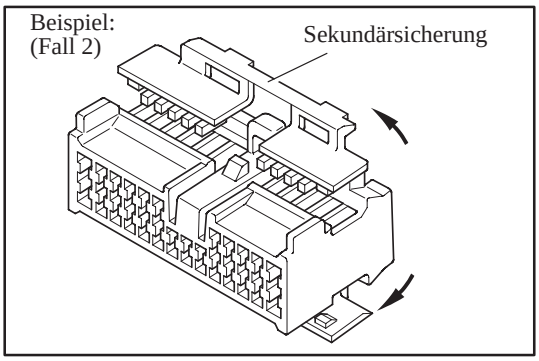
   HINWEIS:
   Die Klemmenhalterung darf nicht vom Stecker abgenommen werden.



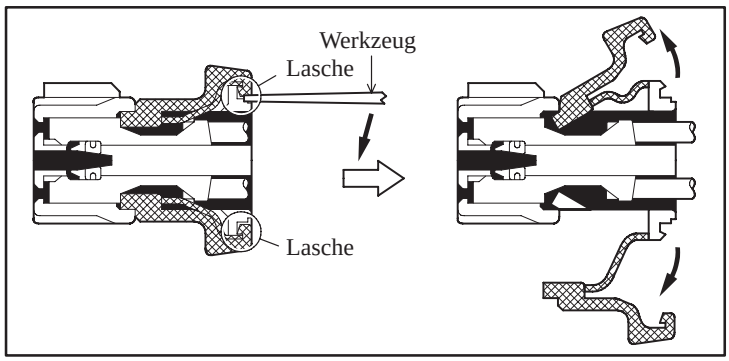
[A] Nicht wasserdichte Stecker

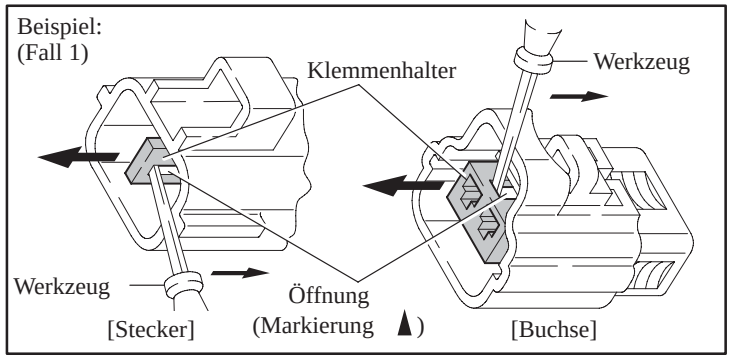
HINWEIS : Die Stelle, an der die Nadel eingeführt wird, hängt vom Stecker (Klemmenzahl usw.) ab; daher muß diese Stelle vor dem Einführen genau kontrolliert werden.

Fall 1 : Den Klemmenhalter bis zur provisorischen Sicherungsposition hochheben.



Fall 2 : Die Sekundärsicherung öffnen.



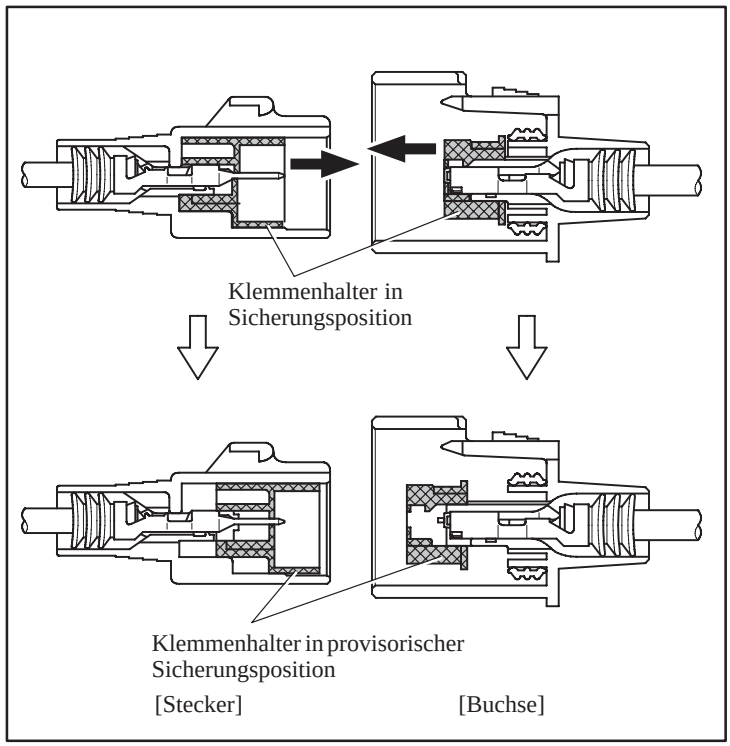


[B] Wasserdichte Stecker

HINWEIS : Die Farbe des Klemmenhalters hängt vom Stecker ab.

Beispiel:

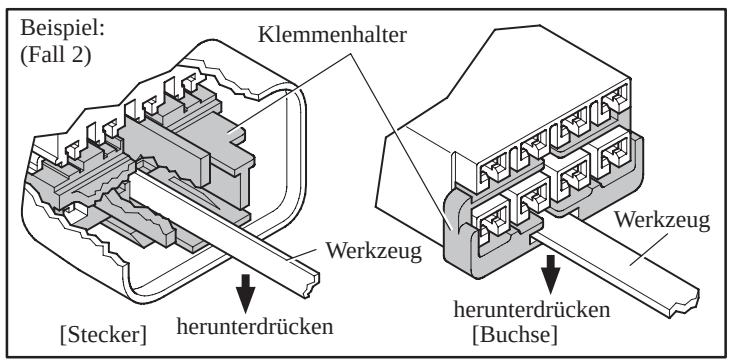
Klemmenhalter	: Stecker
schwarz oder weiß	: grau
schwarz oder weiß	: dunkelgrau
grau oder weiß	: schwarz



”Fall 1:”

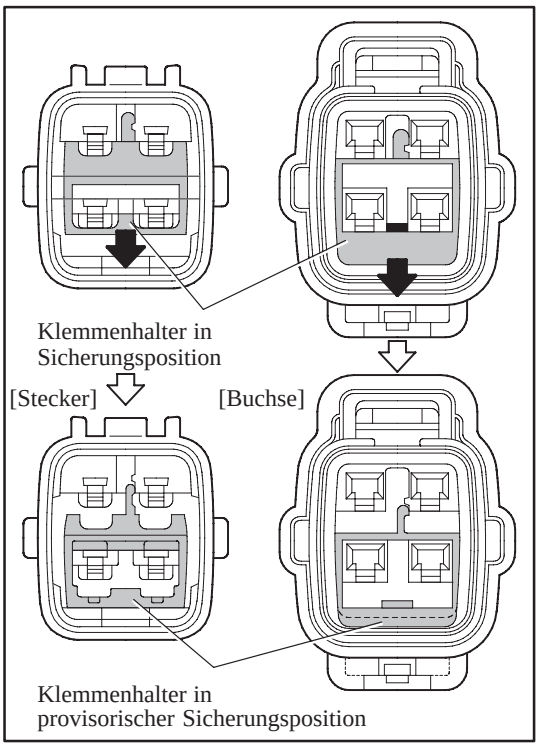
Ausführung bei der Klemmenhalter bis zur provisorischen Sicherungsposition angehoben werden kann (Ziehausführung).
Das Spezialwerkzeug in die Klemmenöffnung (Markierung ▲) stecken und den klemmenhalter bis in die provisorische Sicherungsposition anheben.

HINWEIS : Die Stelle, an der die Nabel eingeführt wird, hängt vom Stecker (Klemmenzahl usw.) ab; daher muß diese Stelle vor dem Einführen genau kontrolliert werden.

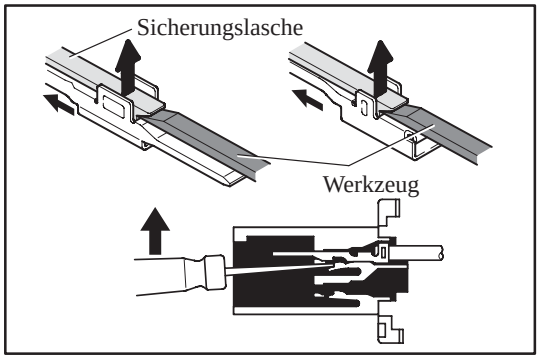


”Fall 2:”

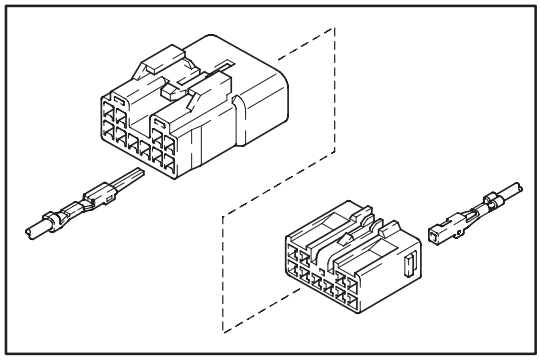
Bei der Ausführung bei der klemmenhalter nicht bis zur sicherung gezogen werden kann, das Werkzeug gerade in die klemmenhalteröffnung hineinstecken.



Den klemmenhalter nach unten in die provisorische Sicherungsposition drücken.



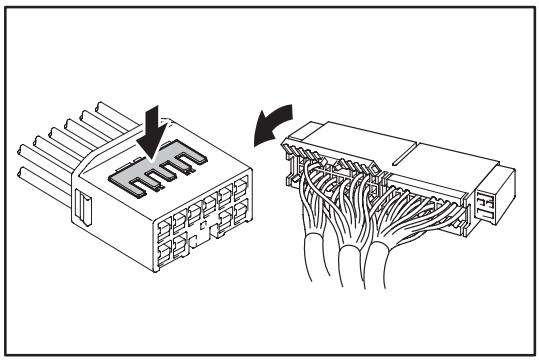
(c) Die Sicherungslasche der klemme lösen und die Klemme nach hinten herausziehen.



4. DIE KLEMME IN DEN STECKER EINBAUEN.

(a) Die Klemme einführen.

HINWEIS:
1. Kontrollieren, ob die Klemme richtig positioniert ist.
2. Die Klemme hineinstecken, so daß sie durch die Sicherungslaschen richtig gesichert ist.
3. Die Klemme mit dem Klemmenhalter in die provisorische Sicherungsposition einführen.



(b) Die Sekundärsicherung oder der Klemmenhalter in die richtige Sicherungsposition drücken.

5. DEN STECKER ANSCHLIEßEN.

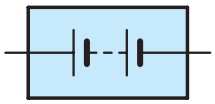
ABKÜRZUNGEN

In dieser Anleitung werden die folgenden Abkürzen gen verwendet.

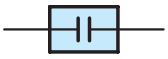
ABS	=	Antiblockierbremsen (Anti–Lock Brake System)
A/C	=	Klimaanlage (Air Conditioner)
ACIS	=	Akustisches Induktionssystem (Acoustic Control Induction System)
ACM	=	Aktive Motorsteuerungsmontage (Active Control Engine Mount)
A/T	=	Automatikgetriebe (Automatic Transaxle)
BA	=	Bremseunterstützung (Brake Assist)
CD	=	Scheiben Kompakt (Compact Disc)
COMB.	=	Kombination (Combination)
DLC3	=	Datenübertragungsstecker 3 (Data Link Connector 3)
EC	=	Elektrochrom (Electrochromic)
ECT	=	Elektronisch gesteuertes Getriebe (Electronic Control Transmission)
ECU	=	Steuergerät (Electronic Control Unit)
EFI	=	Elektronische Kraftstoffeinspritzung (Electronic Fuel Injection)
ESA	=	Elektronische Zündvorverstellung (Electronic Spark Advance)
EVAP	=	Kraftstoffdampfsystem (Evaporative Emission)
IC	=	Integrierter Schaltkreis (Integrated Circuit)
ISC	=	Leerlaufdrehzahlregler (Idle Speed Control)
J/B	=	Anschlußkasten (Junction Block)
LH	=	Links (Left–Hand)
LHD	=	Linkslenker (Left–Hand Drive)
O/D	=	Overdrive (Overdrive)
R/B	=	Relaiskasten (Relay Block)
RH	=	Rechts (Right–Hand)
RHD	=	Rechtslenker (Right–Hand Drive)
SRS	=	Insassenrückhaltesystem (Supplemental Restraint System)
SW	=	Schalter (Switch)
TEMP.	=	Temperatur (Temperature)
TRC	=	Antriebsschlupfregelung (Traction Control)
VSC	=	Fahrzeugstabilitätssteuerung (Vehicle Stability Control)
VSV	=	Unterdruckschaltventil (Vacuum Switching Valve)
VVT	=	Veränderlicher Ventilzündzeitpunkt (Variable Valve Timing)
w/	=	Mit (With)
w/o	=	Ohne (Without)

* Die in den Bauteilen aufgeführten Bezeichnungen sind Klemmenbezeichnungen und keine Abkürzungen.

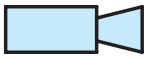
E BEZEICHNUNGEN UND SYMBOLE



BATTERIE
Wandelt chemische in elektrische Energie um elektrische Verbraucher mit Gleichstrom zu versorgen.

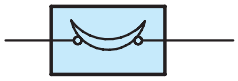


KONDENSATOR
Speichert kurzzeitig eine elektrische Spannung.



ZIGARETTENANZÜNDER
Verwendet ein elektrisches Wiederstandsheizelement.

UNTERBRECHER



Grundsätzlich eine wiederverwendbare Sicherung. Bei zu großem Stromfluß wird der Kontakt durch die entstehende Hitze unterbrochen. Bei einigen Typen wird der Kontakt automatisch beim Abkühlen geschlossen während er bei anderen Typen von Hand zurückgestellt werden muß.

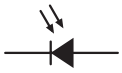


DIODE
Ein Halbleiter, der den Stromfluß in nur einer Richtung zuläßt.

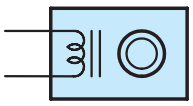
ZENERDIODE



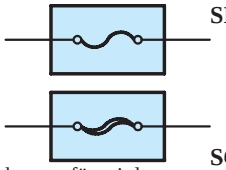
Eine Diode, die den Stromfluß in nur einer Richtung zuläßt, aber in der anderen Richtung der Stromfluß nur bis zu einer gewissen Spannung verhindert, und darüber durchläßt. Die Wirkung gleicht daher einem einfachen Spannungsregler.



FOTODIODE
Die Fotodiode ist ein Halbleiter, der den Stromfluß entsprechend der Lichtmenge steuert.



ZÜNDVERTEILER, IIA
Führt die Hochspannung von der Zündspule zu den einzelnen Zündkerzen.



SICHERUNG
Ein dünner Metallstreifen schmilzt bei einer Überlastung um den Stromfluß zu unterbrechen und damit die Schaltkreise vor Beschädigung zu schützen.

(Sicherung für mittlere Ströme)

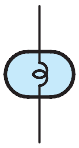
SCHMELZSICHERUNG
Ein dicker Draht in den Schaltungen mit hohem Stromfluß, der bei Überlastung durchbrennt um die Schaltkreise zu schützen. Die Zahlen geben die Querschnittsfläche der Kabel an.

(Sicherung für hohe Ströme oder Schmelzsicherung)



MASSE
Der Anschlußpunkt an die Karosserie, Ohne Masseanschluß kann kein Strom fließen.

SCHEINWERFER



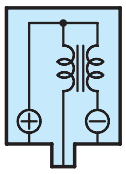
1. EINFACHER GLÜHDRAHT
Durch den Stromfluß erhitzt sich der Glühdraht und erzeugt Licht. Die Scheinwerferglühbirne kann entweder einen oder zwei Glühdrähte enthalten.



2. ZWEI GLÜHDRÄHTE.



HUPE
Ein Gerät zur Erzeugung eines lauten akustischen Signals.



ZÜNDSPULE
Wandelt für den Zündfunken der Zündkerzen die Niederspannung in einen Hochspannungs–Gleichstrom.



GLÜHBIRNE
Der Stromfluß erhitzt den Glühdraht zur Erzeugung von Licht.



LEUCHTDIODE
Der Stromfluß erzeugt ein Licht ohne Wärme.



ANALOGINSTRUMENT
Die Anzeigenadel bewegt sich durch den durch die Magnetspule fließenden Strom um einen Wert relativ zur Kalibrierung anzuzeigen.

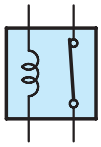


DIGITALINSTRUMENT
Die Leuchtdioden, Flüssigkristallelemente oder Fluoreszenzanzeige werden durch den Stromfluß betätigt um einen Wert anzuzeigen.

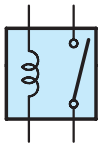


MOTOR
Wandelt elektrische in mechanische Energie, vorwiegend in eine Drehbewegung.

RELAIS



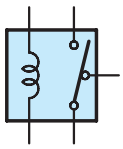
1. GESCHLOSSENER KONTAKT IN RUHESTELLUNG.



2. UNTERBROCHENER KONTAKT IN RUHESTELLUNG

Grundsätzlich ein elektrisch betätiger Schalter dessen Kontakt in Ruhestellung entweder geschlossen (1) oder unterbrochen (2) ist. Ein durch die kleine Spule fließender Strom erzeugt zum Betätigen des Schalters ein Magnetfeld.

ZWEIWEGRELAIS



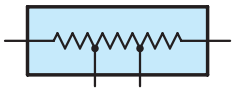
Ein Relais, das den Stromfluß über zwei verschiedene Kontakte leitet.

WIDERSTAND



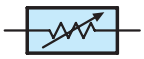
Ein fester widerstand in einem Schaltkreis zur Herabsetzung der Spannung.

MEHRFACHWIDERSTAND



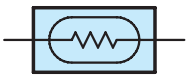
Ein Widerstand mit zwei oder mehr festen Widerstandswerten.

REGELWIDERSTAND ODER RHEOSTAT



Ein Widerstand mit veränderlichem Widerstandswert, auch Potentiometer oder Rheostat genannt.

SENSOR (HEISSLEITER)



Ein Widerstand, dessen Widerstandswert sich abhängig von der Temperatur ändert.

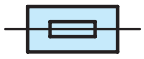
MAGNETSENSOR



(Reedschaltertyp)

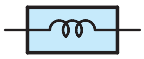
Ein Schalter wird zur Betätigung anderer Komponenten durch Magnetimpulse ein– bzw. ausgeschaltet.

KURZSCHLUSSSTIFT



Für eine elektrische Verbindung in einem Anschlußkasten verwendet.

SOLENOID



Eine elektromagnetische Spule die zur Betätigung eines Stiftes usw. durch den Stromfluß ein Magnetfeld erzeugt.

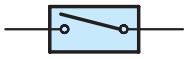
LAUTSPRECHER



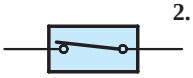
Erzeugt akustische Signale durch den Stromfluß.

SCHALTER

1. GESCHLOSSENER KONTAKT IN RUHESTELLUNG

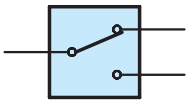


2. UNTERBROCHENER KONTAKT IN RUHESTELLUNG



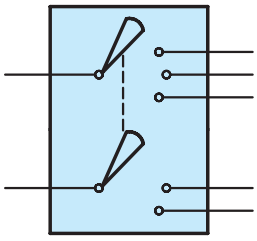
Steuert den Stromfluß im Schaltkreis durch Schließen (1) bzw. Unterbrechen des Kontakts.

ZWEIWEGSCHALTER



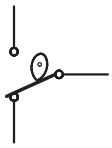
Ein Schalter der den Stromfluß zu zwei verschiedenen Kontakten steuert.

ZÜNDSCHALTER



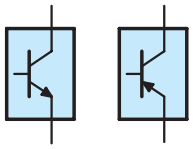
Ein durch den Zündschlüssel betätigten Schalter um den Primärzündschaltkreis ein– und auszuschalten.

SCHEIBENWISCHER–ANSCHLAGSSCHALTER



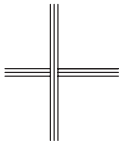
Stellt die Scheibenwischer nach dem Ausschalten automatisch in die Anschlagsposition zurück.

TRANSISTOR

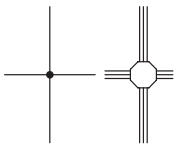


Wird normalerweise in elekronischen Relais verwendet, um den Stromfluß, abhängig von der Basisspannung ein– oder auszuschalten.

KABEL



(1) NICHT VERBUNDEN

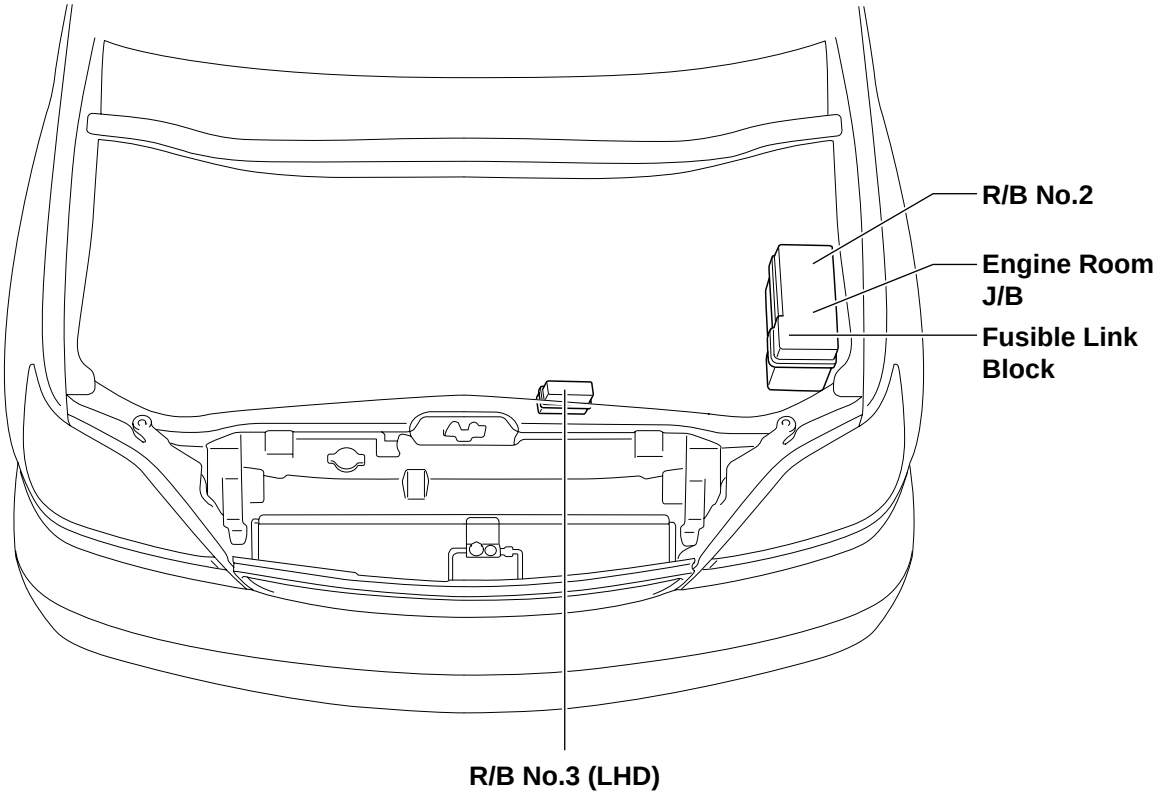


(2) VERZWEIGT

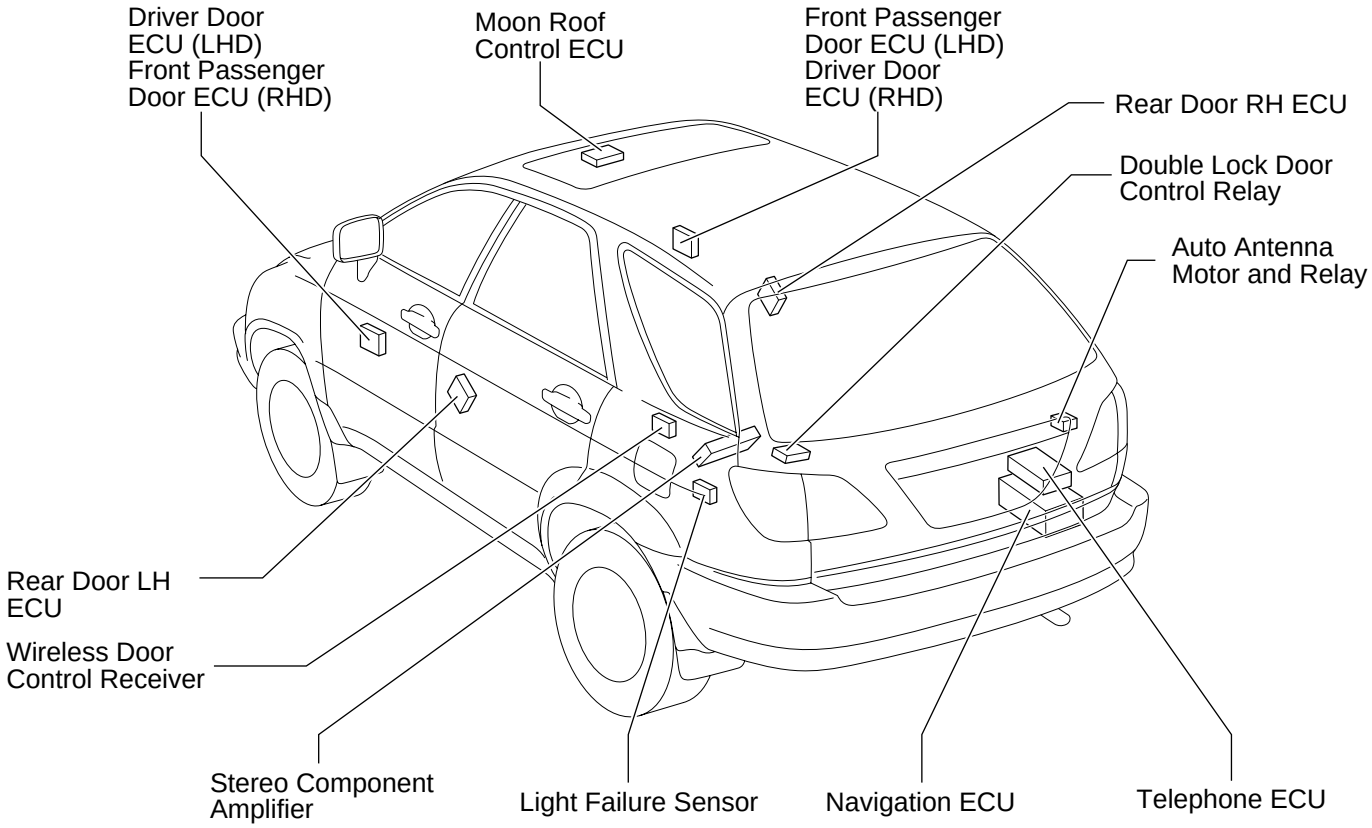
Kabel sind im Schema immer mit geraden Linien bezeichnet. Wenn an der Kreuzungsstelle kein Punkt vorhanden ist, sind die Kabel nicht verbunden (1), bei einem Punkt (0) sind die Kabel an der Kreuzungsstelle verzweigt (2).

F RELAY LOCATIONS

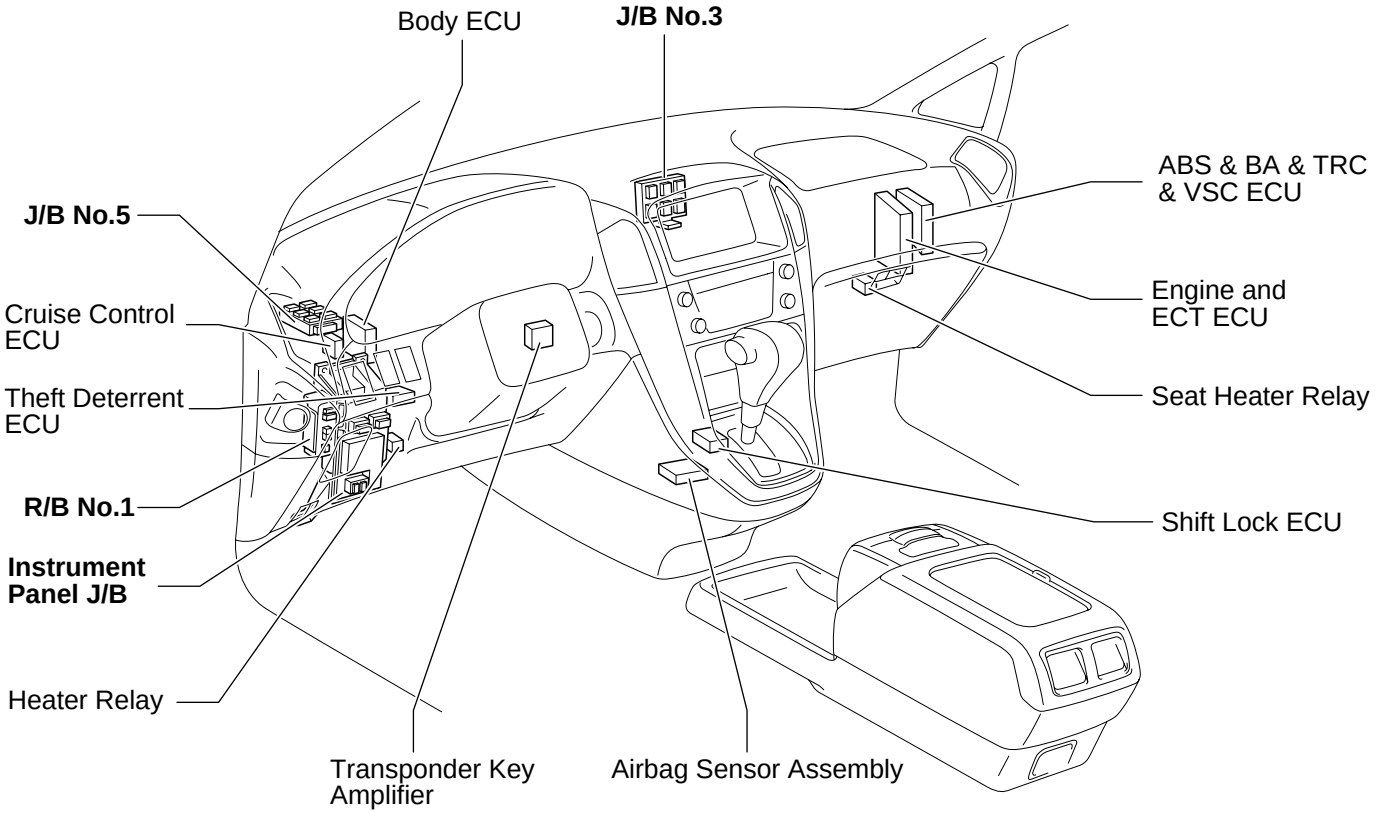
[Engine Compartment]



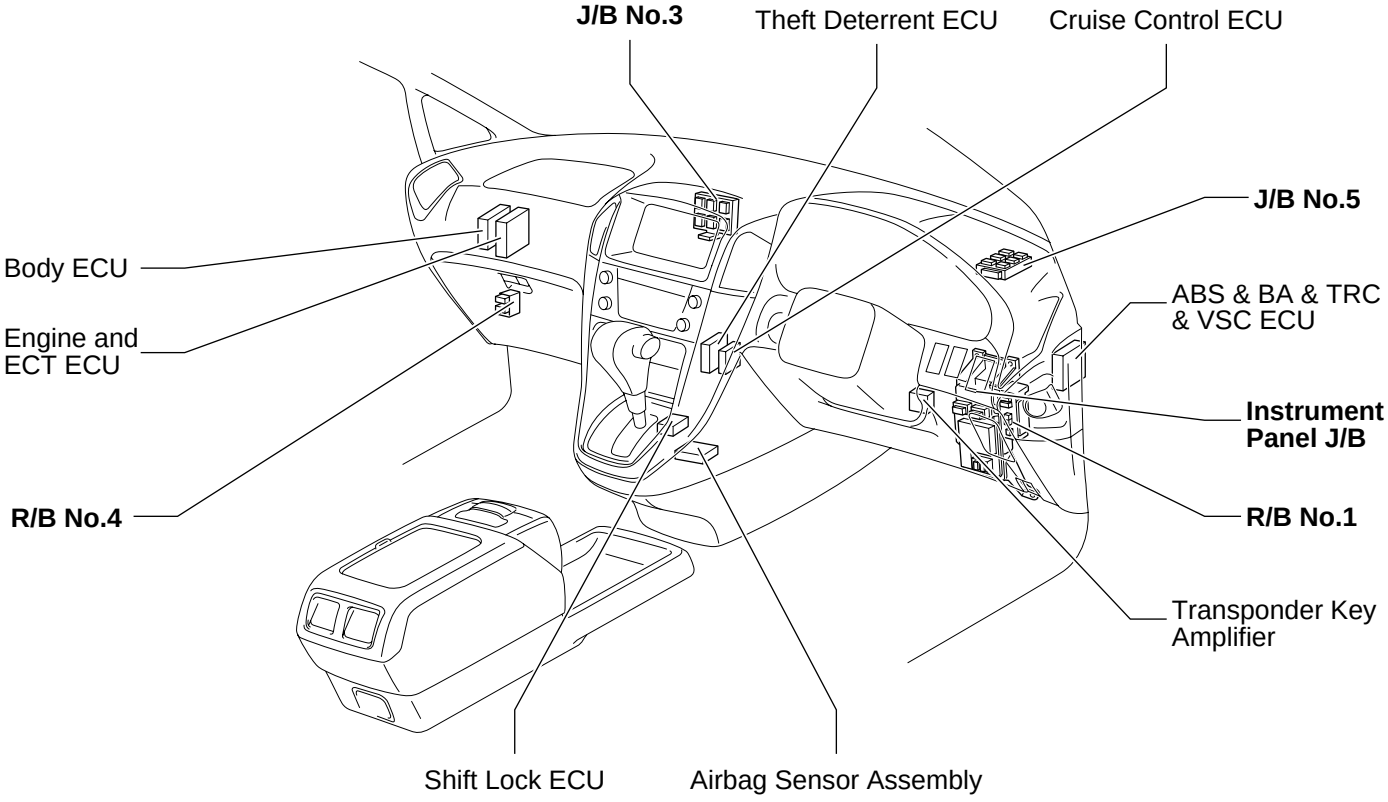
[Body]



[Instrument Panel]
(LHD)



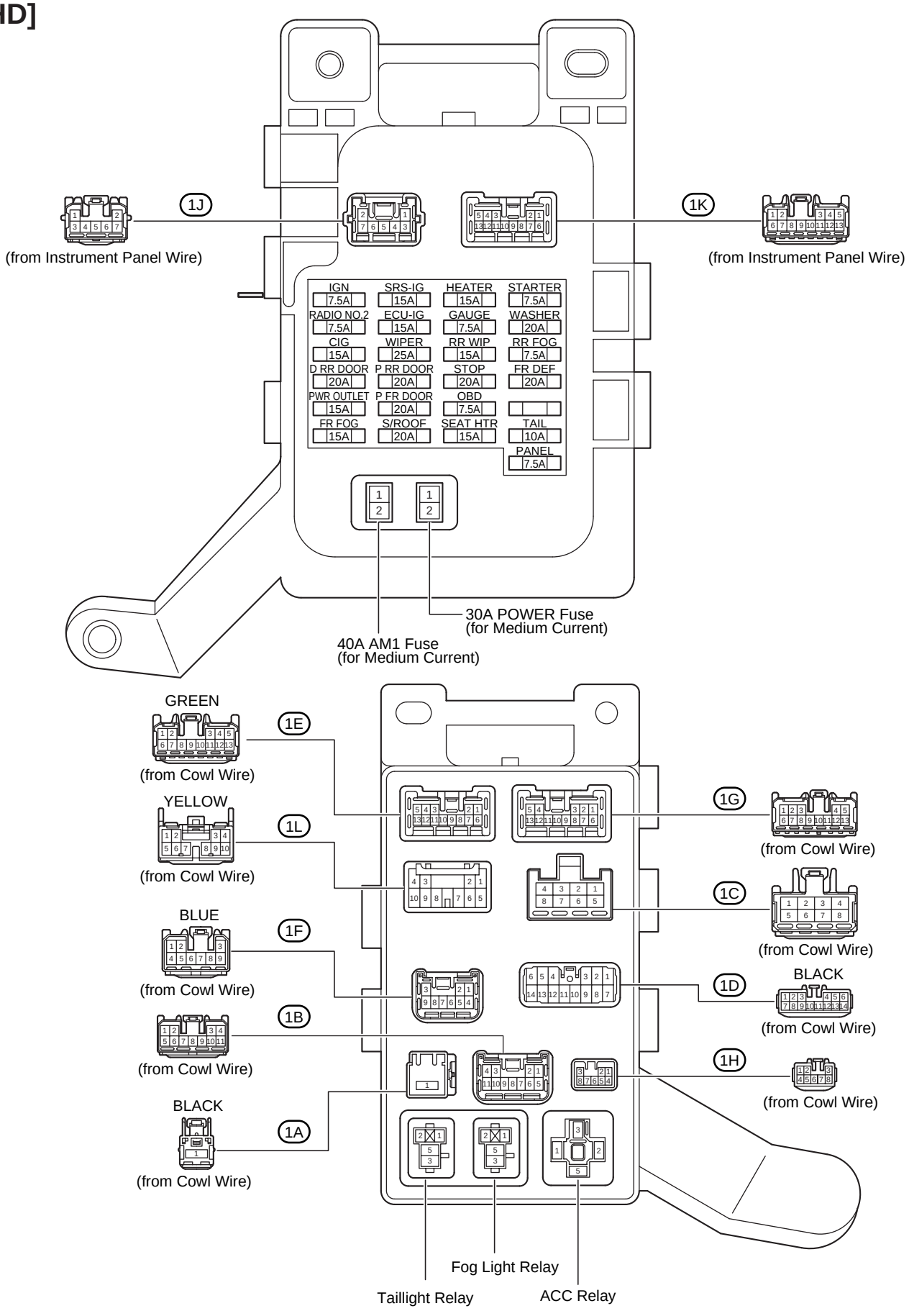
(RHD)



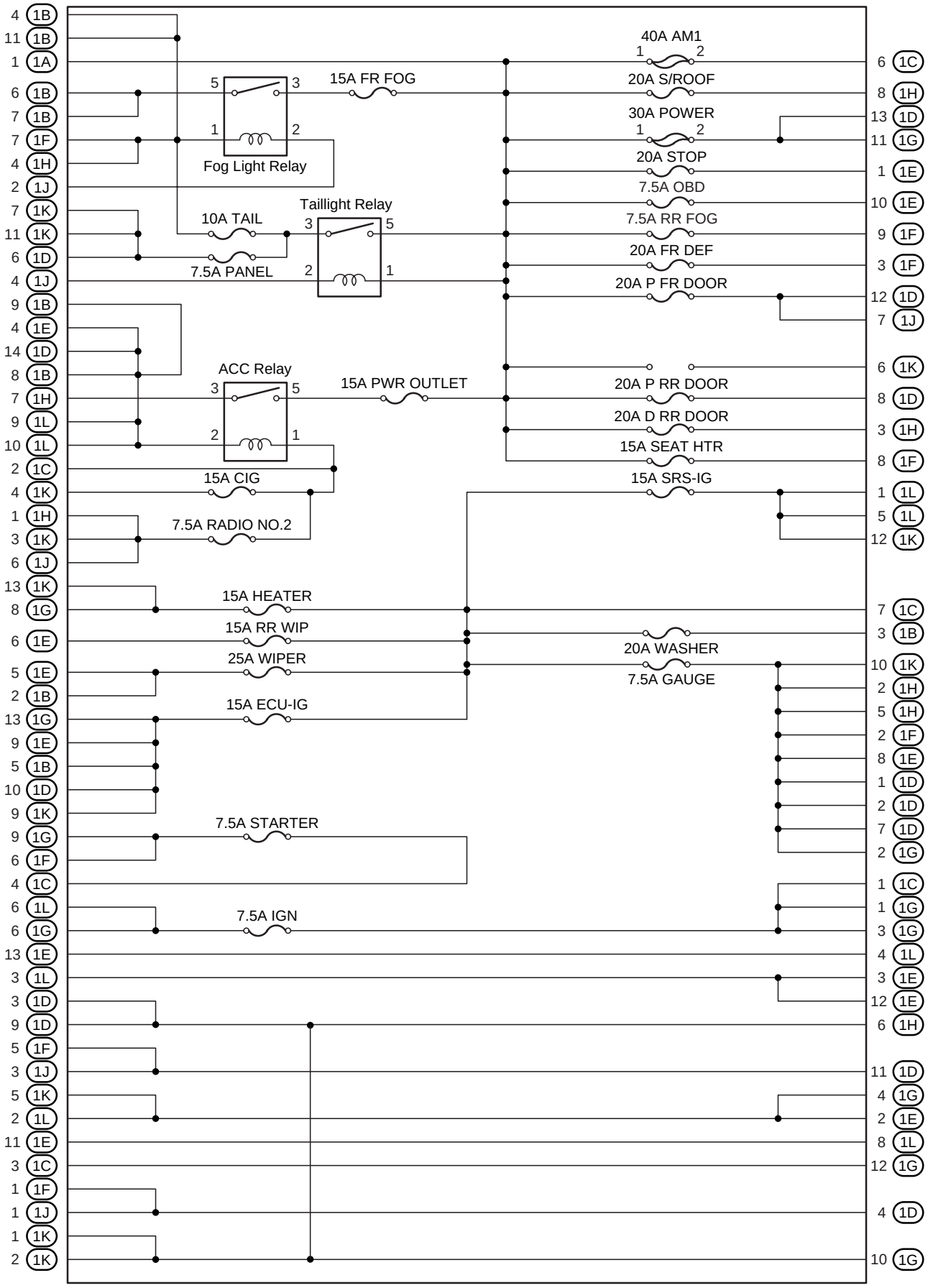
F RELAY LOCATIONS

: Instrument Panel J/B	Lower Finish Panel (See Page 77)

[LHD]



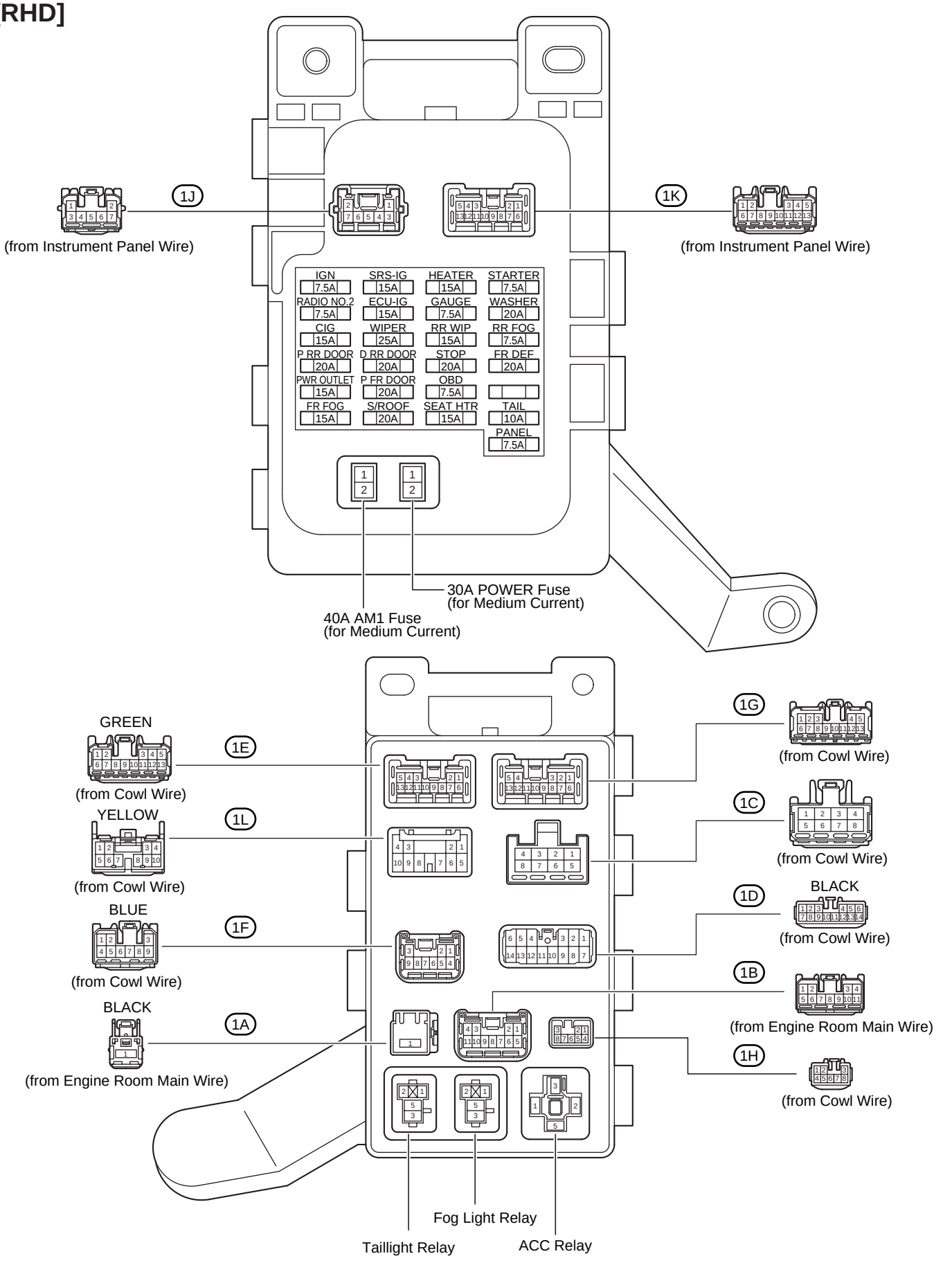
[Instrument Panel J/B Inner Circuit]



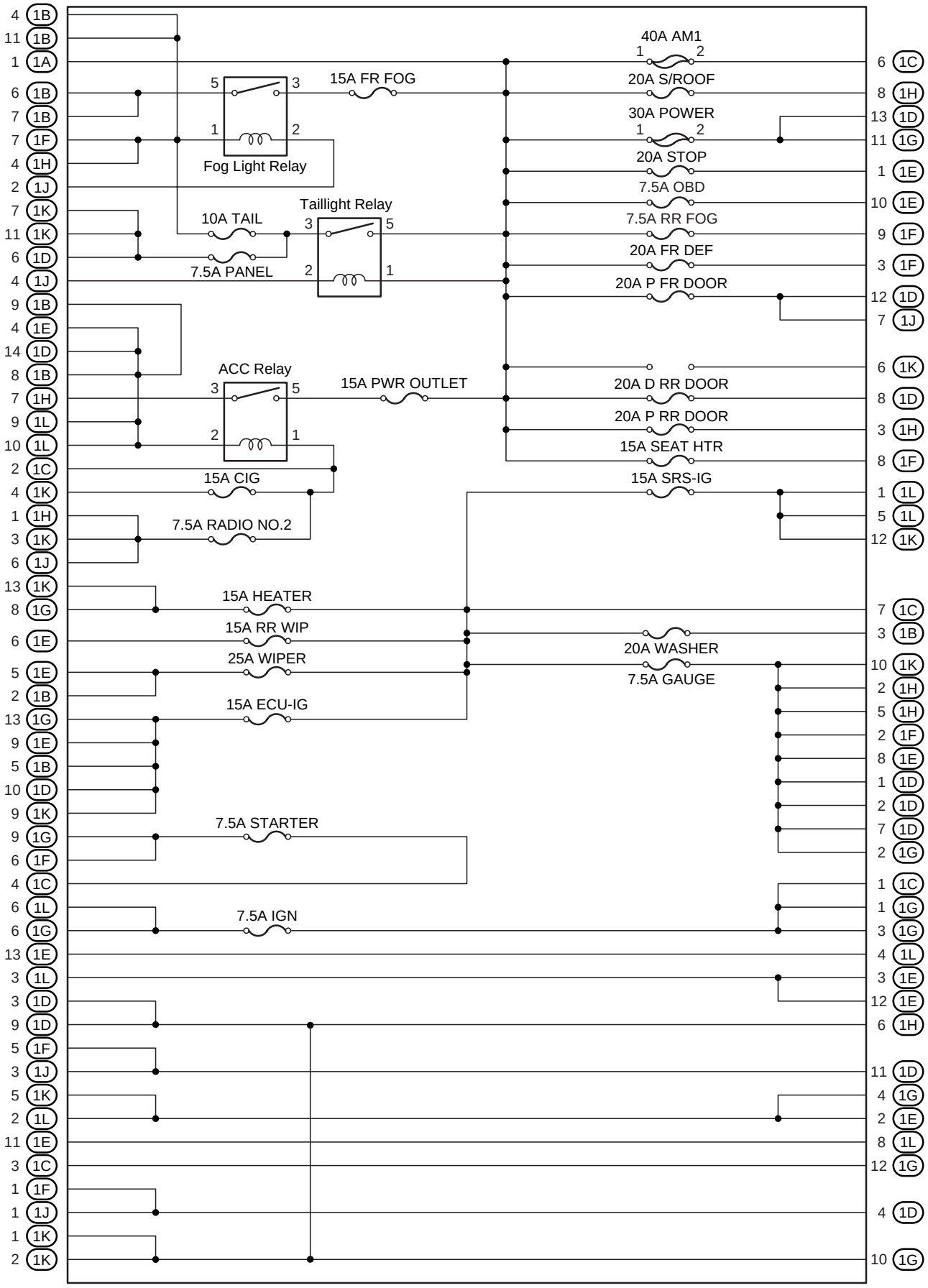
F RELAY LOCATIONS

: Instrument Panel J/B	Lower Finish Panel (See Page 77)

[RHD]

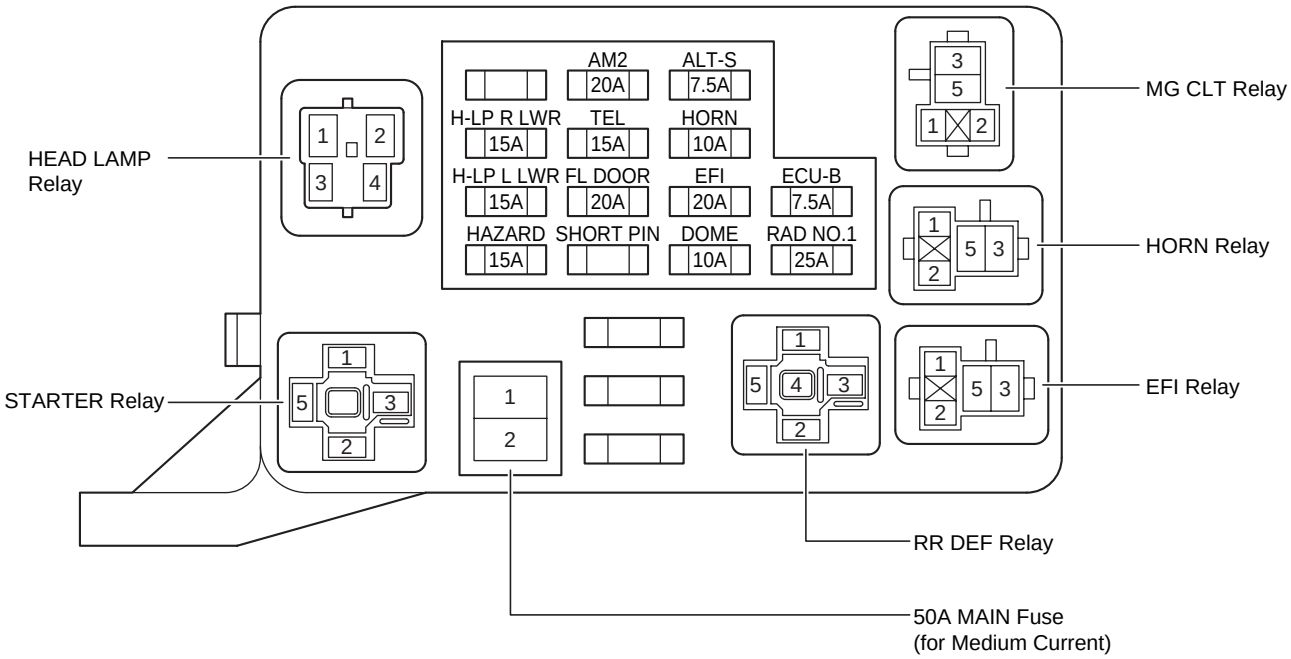


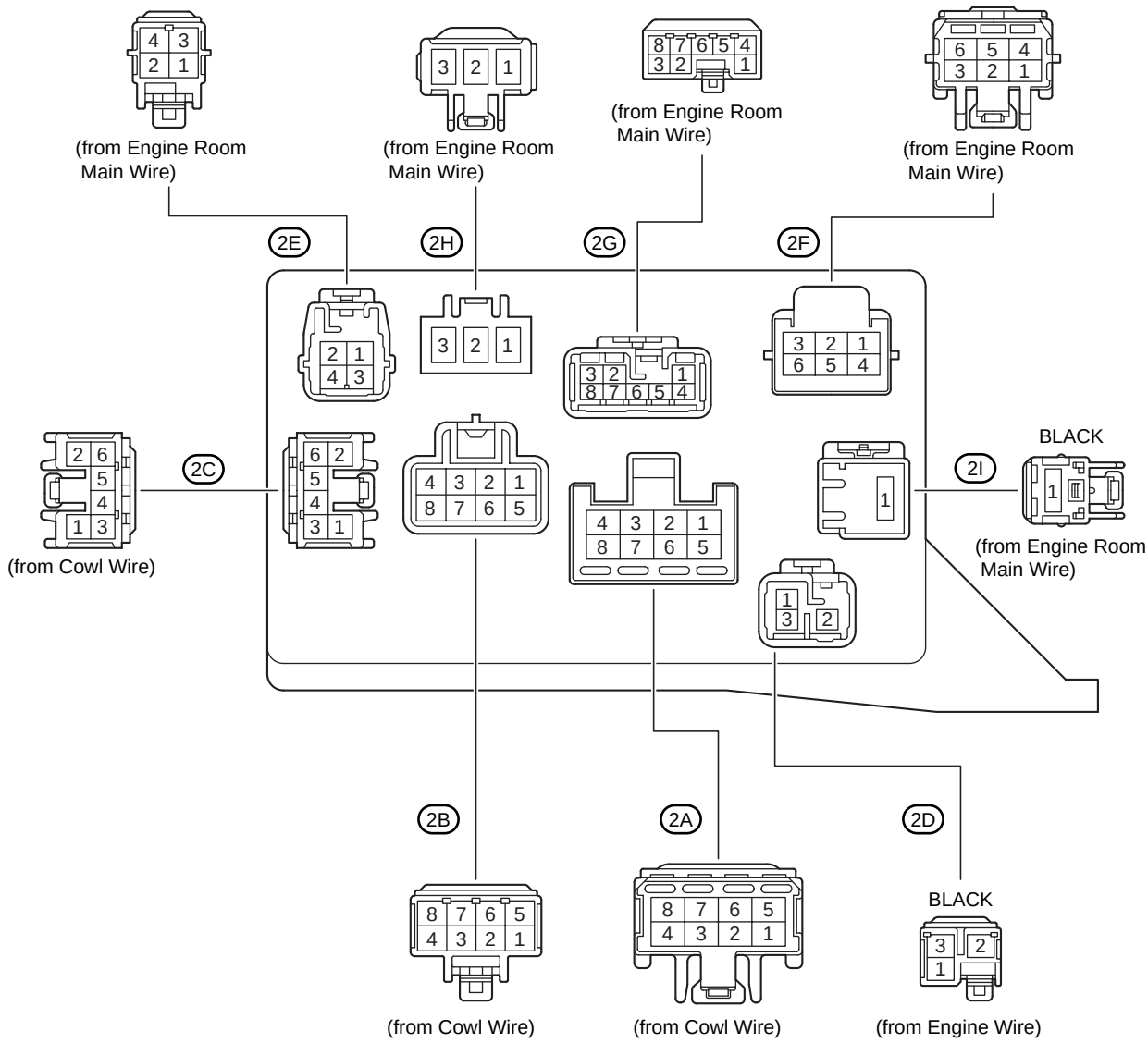
[Instrument Panel J/B Inner Circuit]



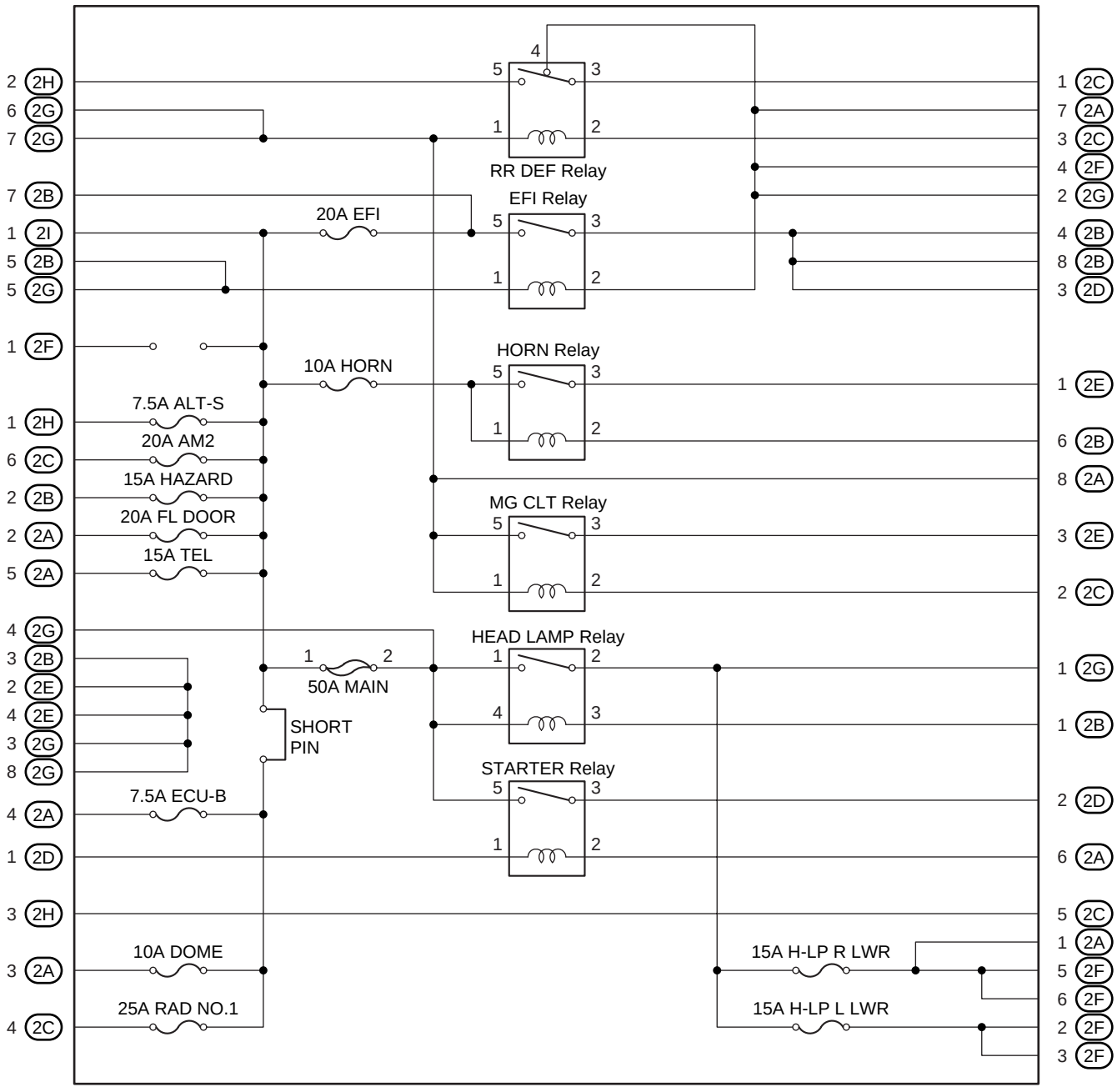
F RELAY LOCATIONS

: Engine Room J/B	Engine Compartment Left (See Page 76)



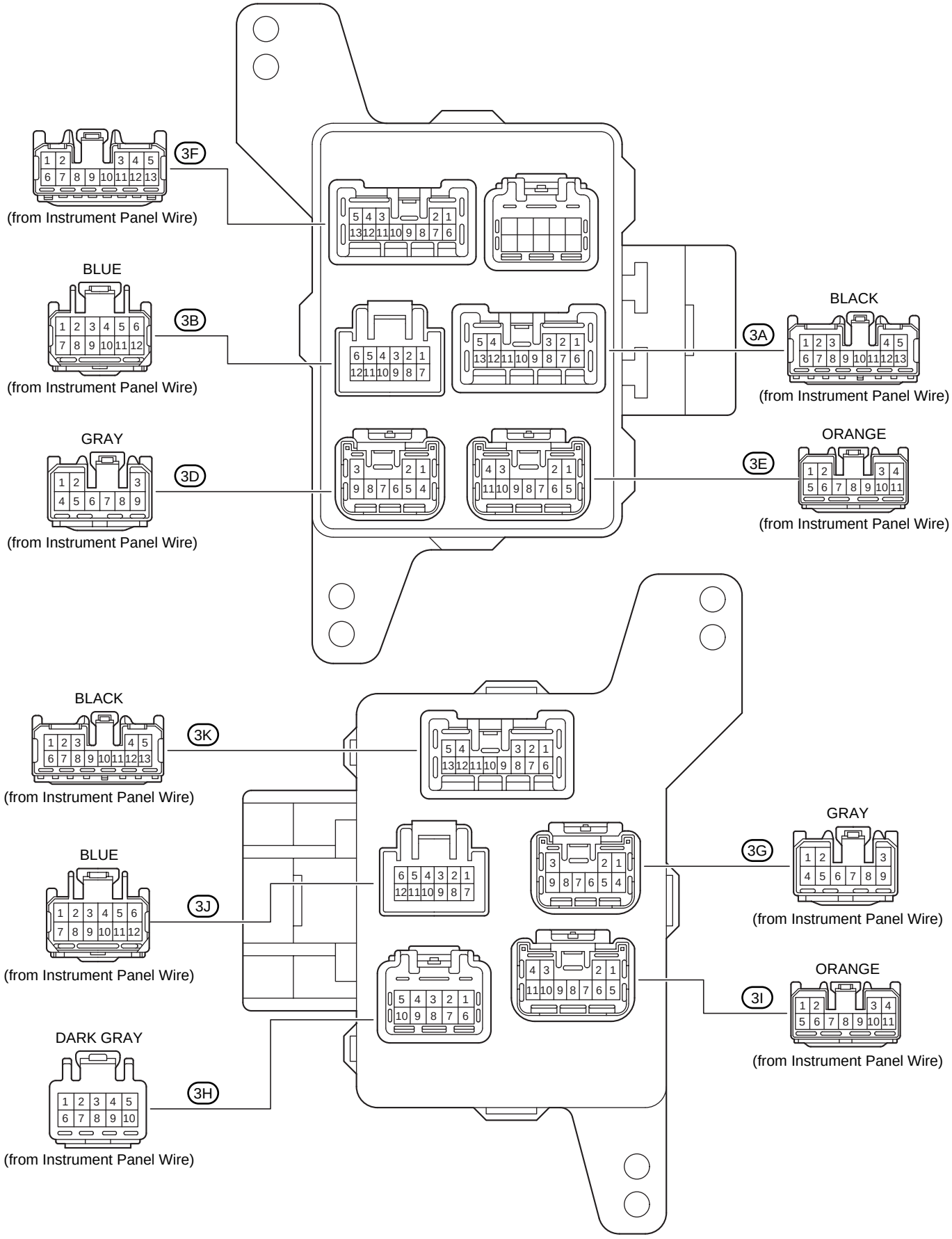


[Engine Room J/B Inner Circuit]

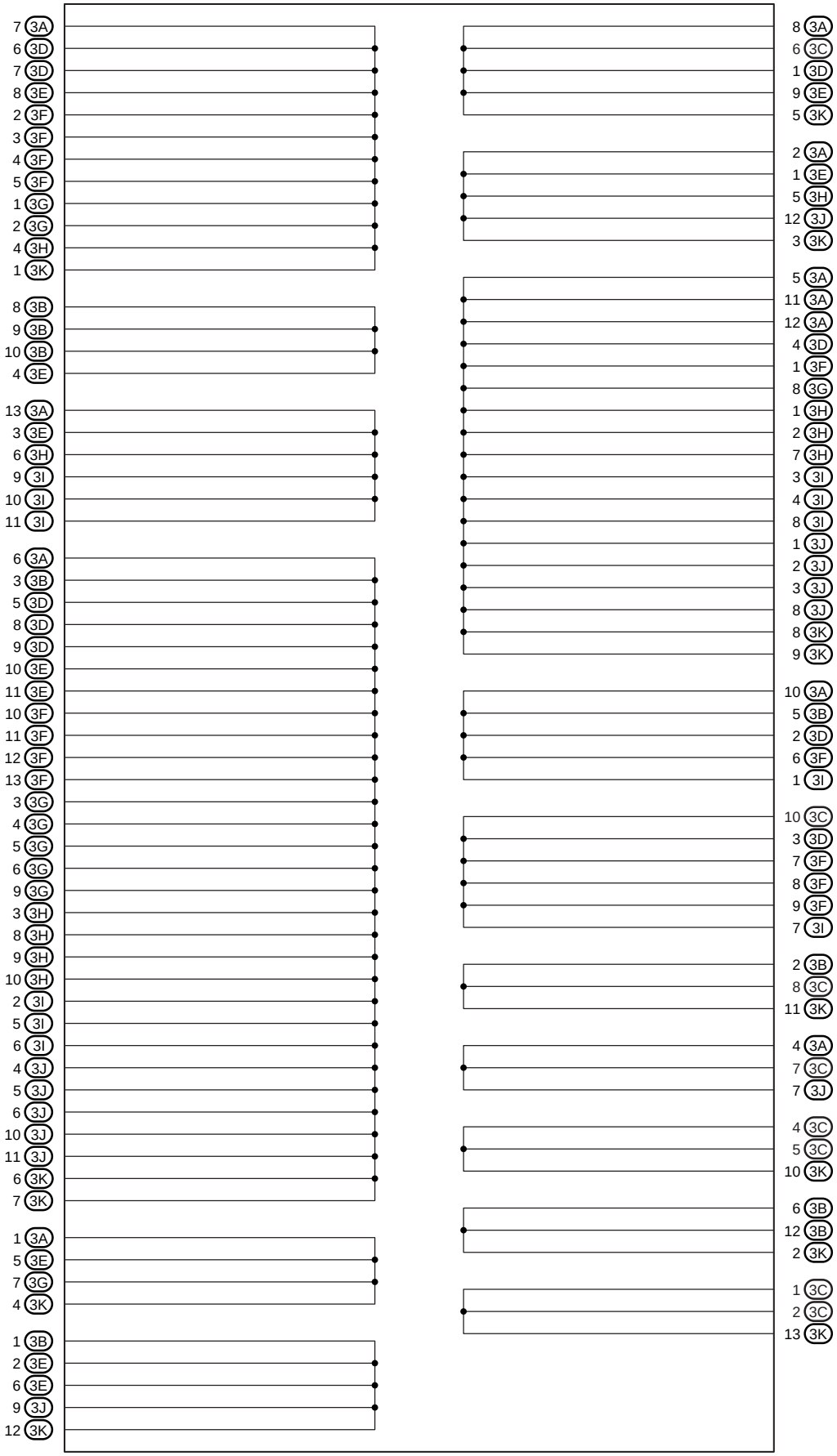


F RELAY LOCATIONS

: J/B No.3	Behind the Instrument Panel Center (See Page 77)

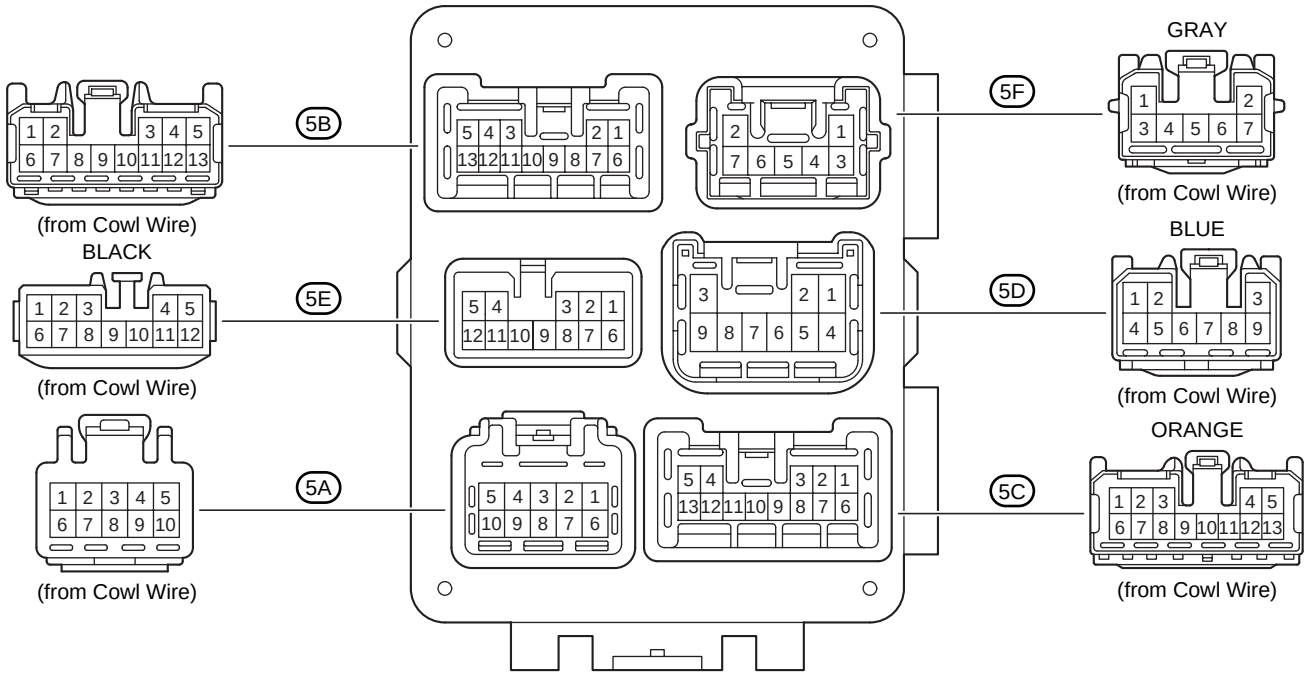


[J/B No.3 Inner Circuit]

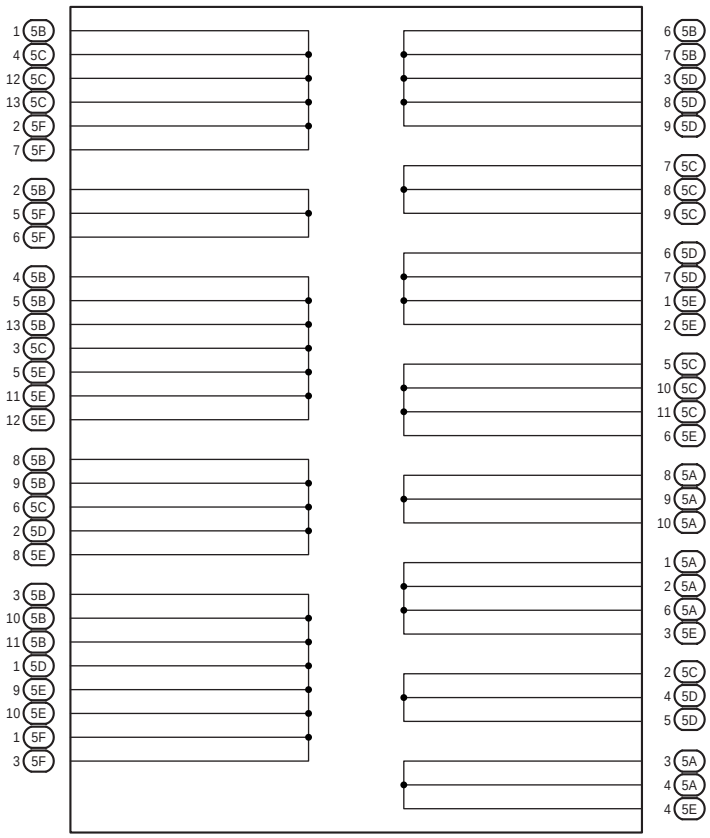


F RELAY LOCATIONS

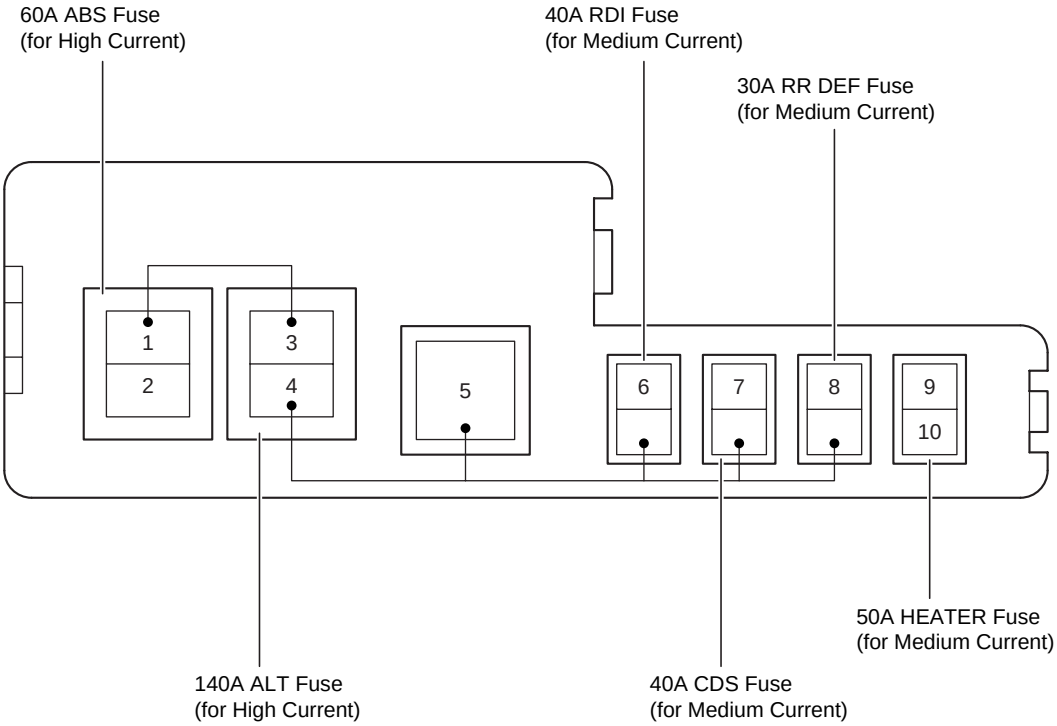
: J/B No.5	Behind the Instrument Panel Left (See Page 77)



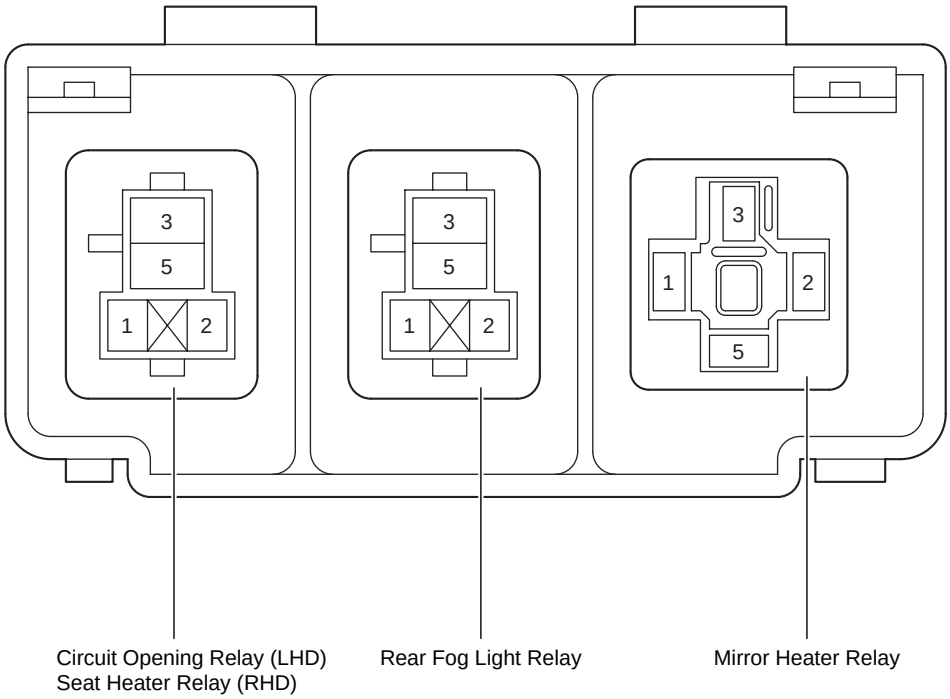
[J/B No.5 Inner Circuit]



Fusible Link Block	Engine Compartment Left (See Page 76) [Inside Engine Room J/B]

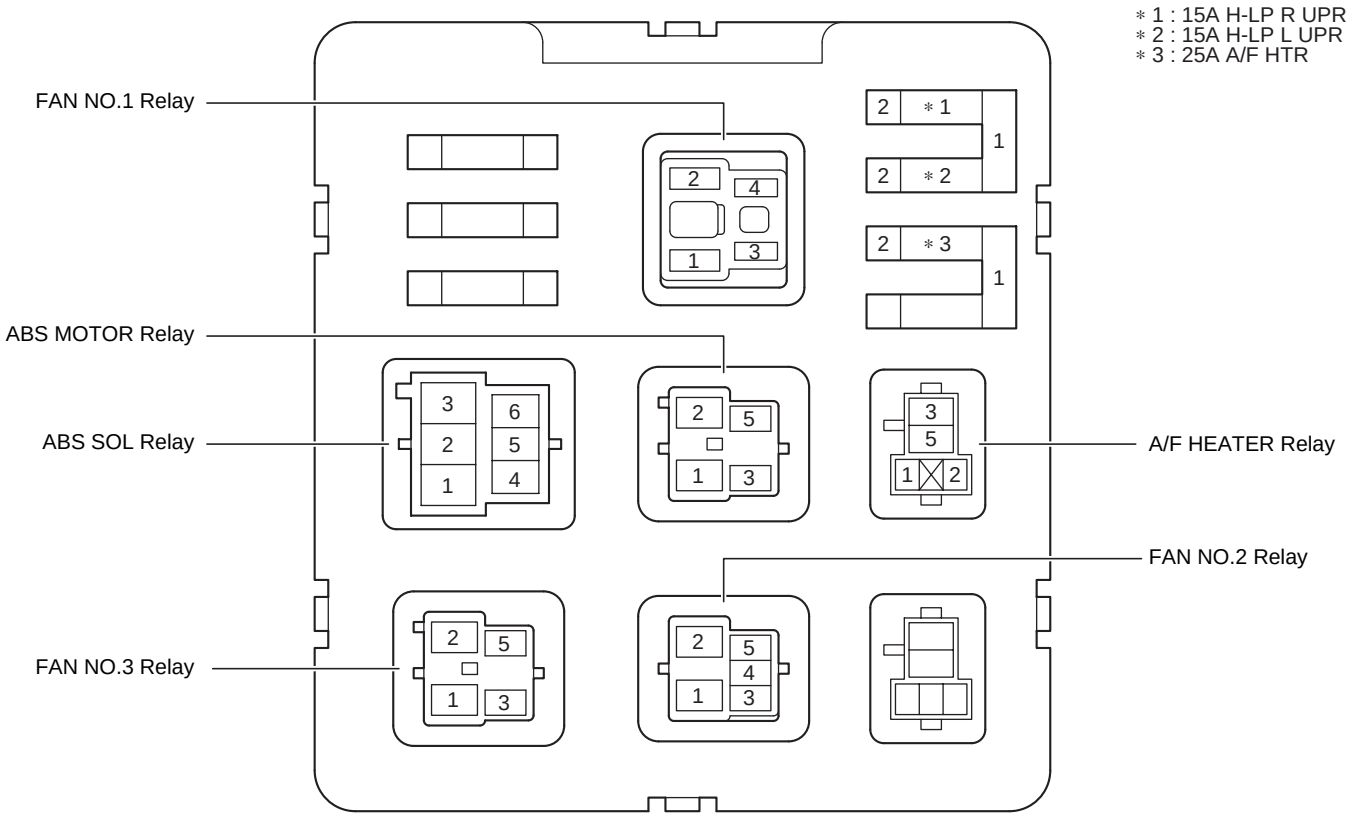


① : R/B No.1	Lower Finish Panel (See Page 77)

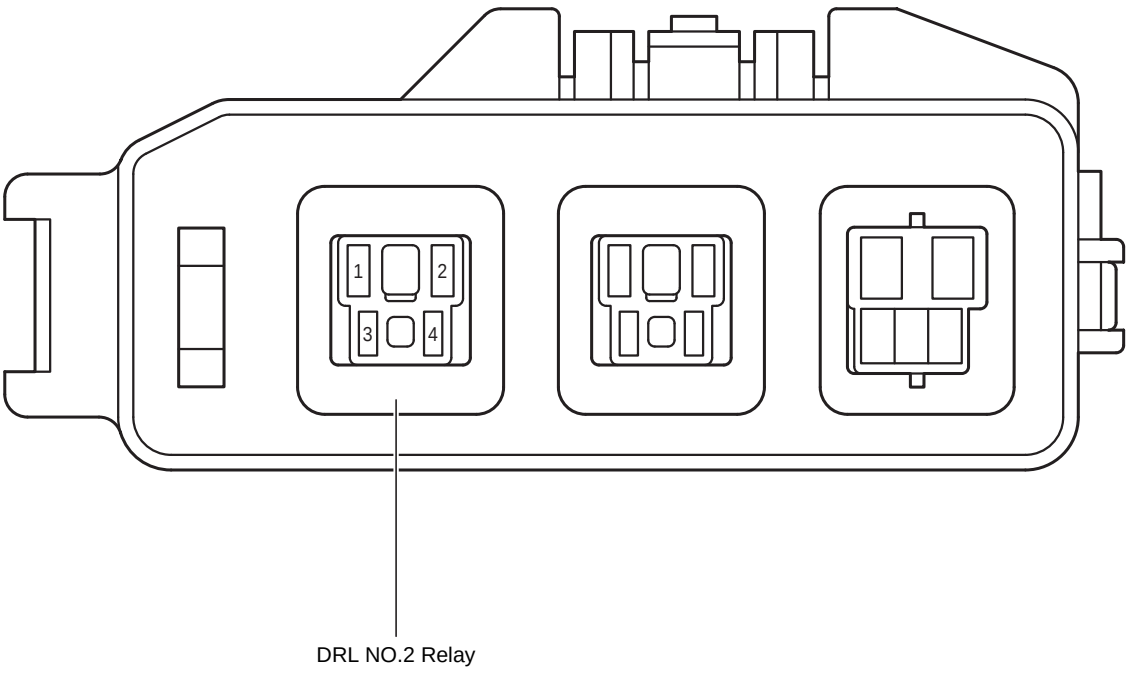


F RELAY LOCATIONS

② : R/B No.2	Engine Compartment Left (See Page 76) [Inside Engine Room J/B]

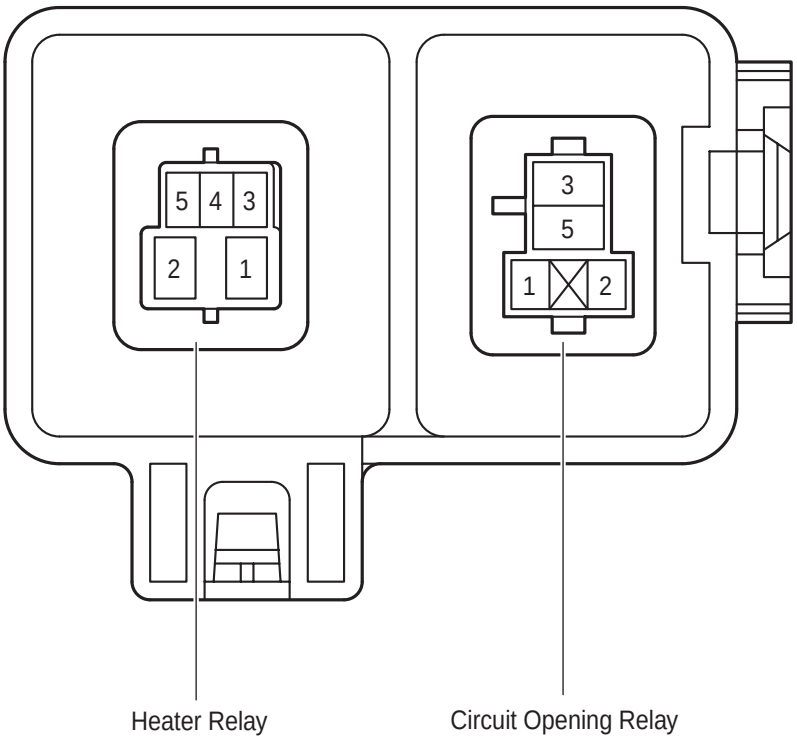


③ : R/B No.3	Engine Compartment Front Left (See Page 76)



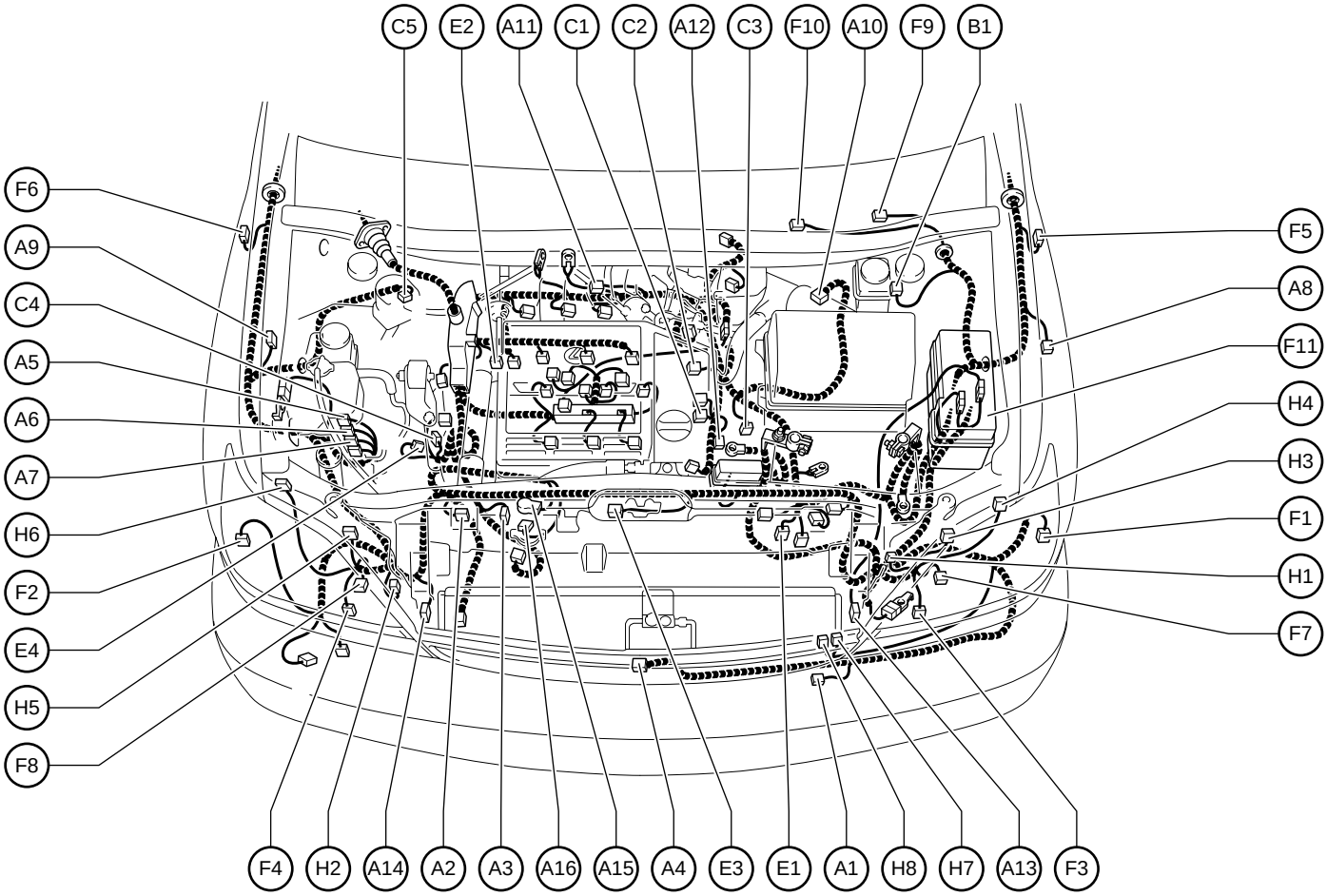
④ : R/B No.4	Left Kick Panel (See Page 77)

[RHD]



Position of Parts in Engine Compartment

[LHD]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Magnetic Clutch and Lock Sensor
A 4 A/C Triple Pressure SW
(A/C Dual and Single Pressure SW)
A 5 ABS & BA & TRC & VSC Actuator
A 6 ABS & BA & TRC & VSC Actuator
A 7 ABS & BA & TRC & VSC Actuator
A 8 ABS Speed Sensor Front LH
A 9 ABS Speed Sensor Front RH
A10 Air Flow Meter
A11 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A12 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A13 Airbag Sensor Front LH
A14 Airbag Sensor Front RH
A15 Alternator
A16 Alternator

B 1 Brake Fluid Level Warning SW

C 1 Camshaft Timing Oil Control Valve LH
C 2 Camshaft Timing Oil Control Valve RH
C 3 Counter Gear Speed Sensor
C 4 Crankshaft Position Sensor
C 5 Cruise Control Actuator

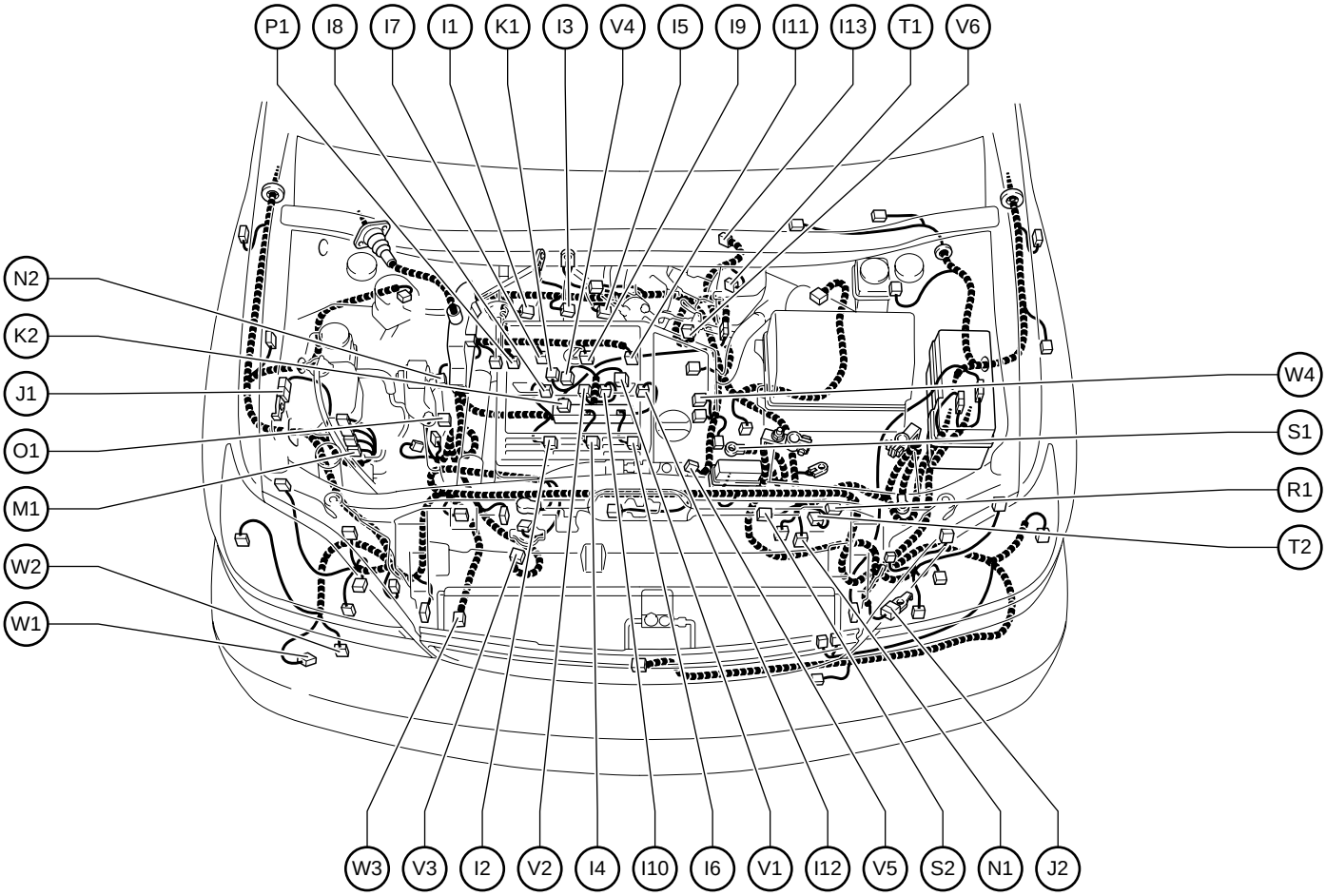
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 3 Engine Hood Courtesy SW
E 4 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
F 8 Front Turn Signal Light RH
F 9 Front Window Defogger
F10 Front Wiper Motor
F11 Fusible Link Block

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight LH (High Beam)
H 4 Headlight LH (Low Beam)
H 5 Headlight RH (High Beam)
H 6 Headlight RH (Low Beam)
H 7 Horn LH
H 8 Horn RH

Position of Parts in Engine Compartment

[LHD]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Ignition Coil and Igniter No.5
I 6 Ignition Coil and Igniter No.6
I 7 Injector No.1
I 8 Injector No.2
I 9 Injector No.3
I 10 Injector No.4
I 11 Injector No.5
I 12 Injector No.6
I 13 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor 1
K 2 Knock Sensor 2

M 1 Master Cylinder Pressure Sensor

N 1 Neutral Start SW, A/T Indicator Light SW and Back–Up Light SW
N 2 Noise Filter (Ignition System)

O 1 Oil Pressure SW

P 1 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

S 1 Starter
S 2 Starter

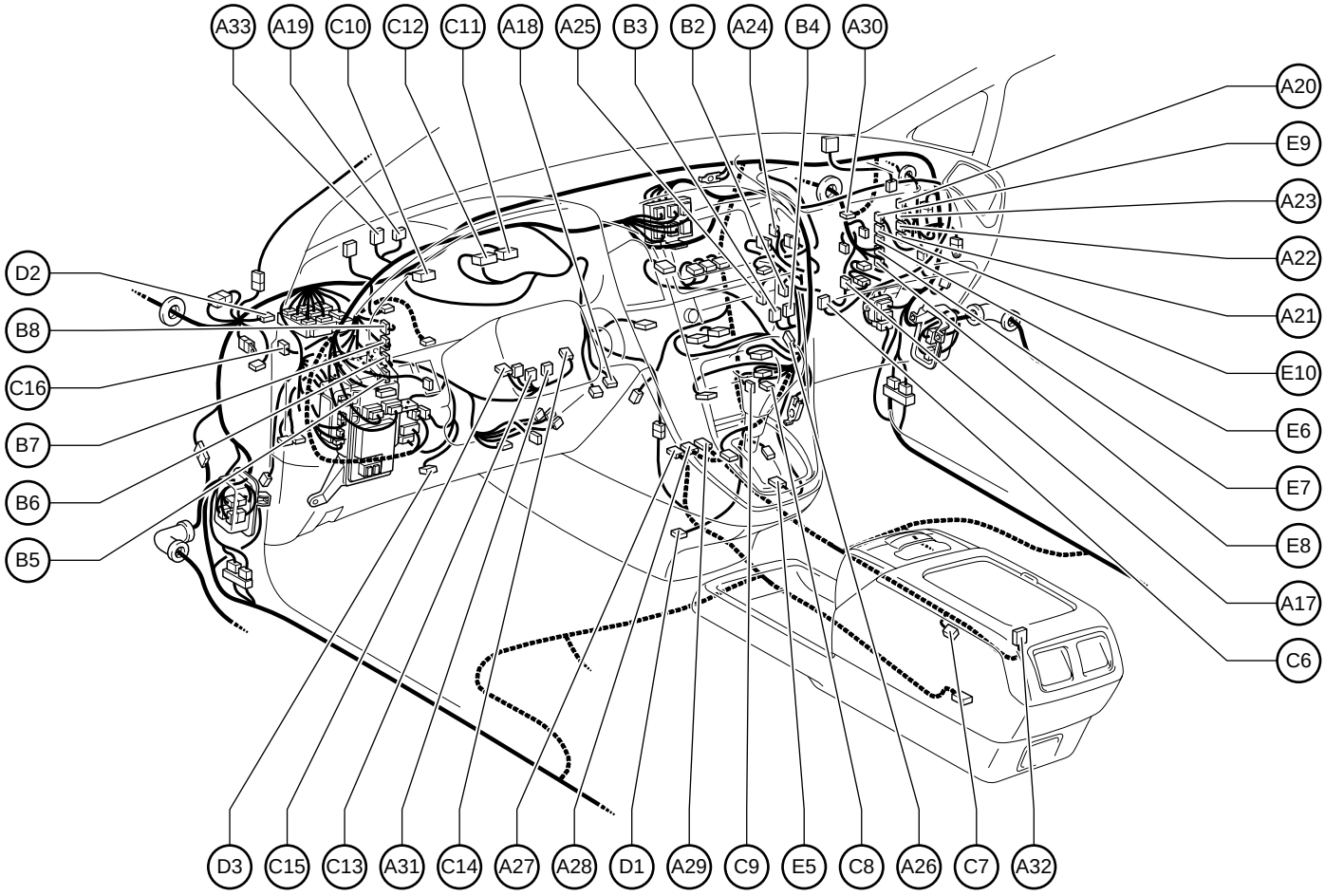
T 1 Throttle Position Sensor
T 2 Turbine Speed Sensor

V 1 VSV (ACIS No.1)
V 2 VSV (ACIS No.2)
V 3 VSV (ACM)
V 4 VSV (EVAP)
V 5 VVT Sensor LH
V 6 VVT Sensor RH

W 1 Washer Level Warning SW
W 2 Washer Motor
W 3 Water Temp. SW No.1
W 4 Water Temp. SW No.2

Position of Parts in Instrument Panel

[LHD]



A17 A/C Evaporator Temp. Sensor
A18 A/C Room Temp. Sensor
A19 A/C Solar Sensor
A20 ABS & BA & TRC & VSC ECU
A21 ABS & BA & TRC & VSC ECU
A22 ABS & BA & TRC & VSC ECU
A23 ABS & BA & TRC & VSC ECU
A24 Air Inlet Control Servo Motor
A25 Air Mix Control Servo Motor
A26 Air Vent Mode Control Servo Motor
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Sensor Assembly
A30 Airbag Squib (Front Passenger's Airbag Assembly)
A31 Airbag Squib (Steering Wheel Pad)
A32 Ashtray Illumination
A33 Automatic Light Control Sensor

B 2 Blower Motor
B 3 Blower Motor Control Relay
B 4 Blower Motor Control Relay
B 5 Body ECU
B 6 Body ECU
B 7 Body ECU
B 8 Body ECU

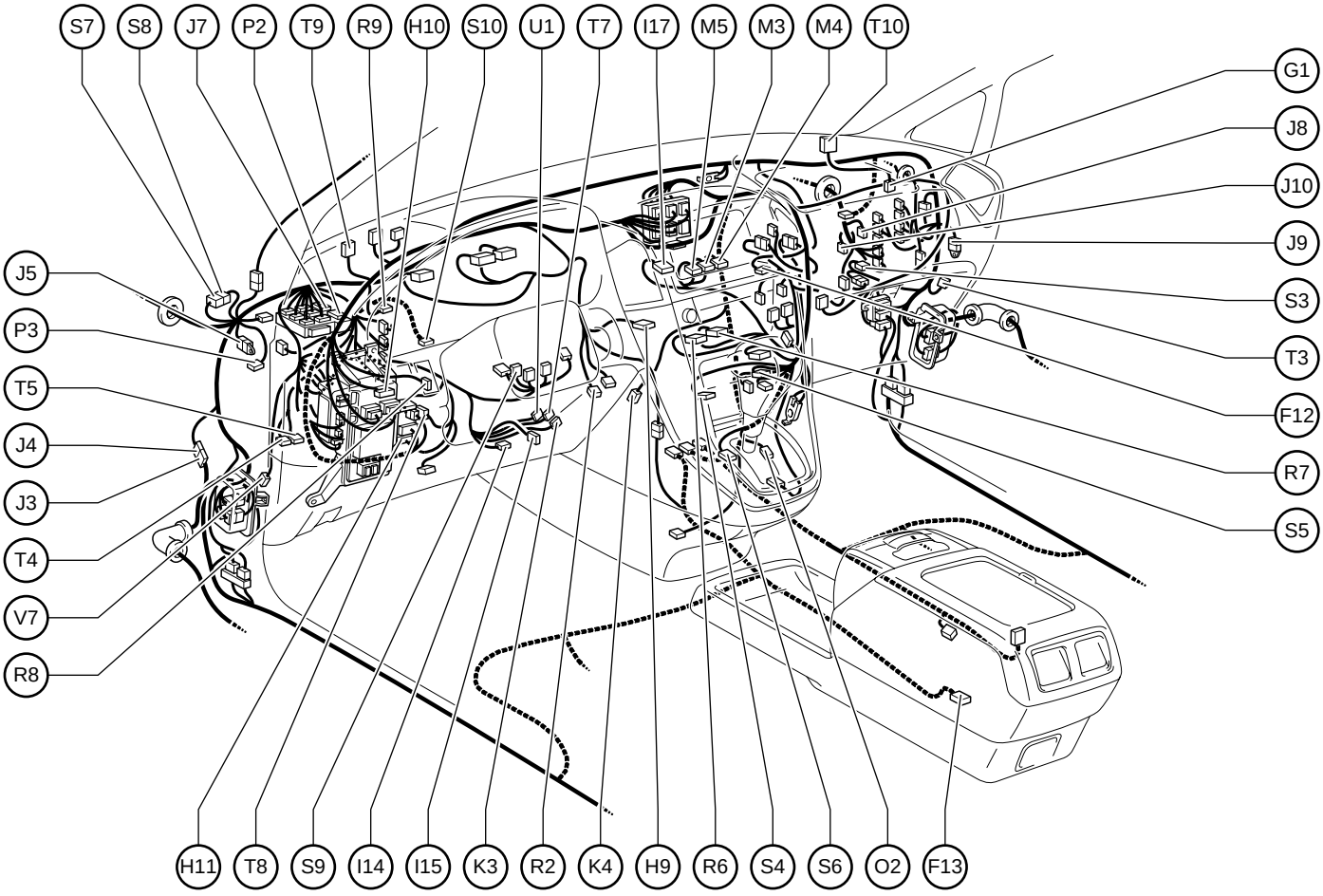
C 6 CD Automatic Changer
C 7 Cellular Phone (Hand Set)
C 8 Cigarette Lighter
C 9 Cigarette Lighter Illumination
C10 Combination Meter ECU
C11 Combination Meter ECU
C12 Combination Meter ECU
C13 Combination SW
C14 Combination SW
C15 Combination SW
C16 Cruise Control ECU

D 1 Deceleration Sensor
D 2 Diode (A/C)
D 3 DLC3

E 5 ECT Pattern Select SW
E 6 Engine and ECT ECU
E 7 Engine and ECT ECU
E 8 Engine and ECT ECU
E 9 Engine and ECT ECU
E10 Engine and ECT ECU

Position of Parts in Instrument Panel

[LHD]



F 12 Front Passenger's Seat Belt Warning Light
F 13 Front Power Outlet

G 1 Glove Box Light

H 9 Hazard SW
H 10 Headlight Beam Level Control SW
H 11 Heater Relay

I 14 Ignition Key Cylinder Light
I 15 Ignition SW
I 17 Instrument Control Panel

J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector

K 3 Key Interlock Solenoid
K 4 Kick Down SW

M 3 Multi Display
M 4 Multi Display
M 5 Multi Display

O 2 O/D Main SW

P 2 Panel Relay
P 3 Parking Brake SW

R 2 Radar Sensor
R 6 Radio and Player
R 7 Radio and Player
R 8 Remote Control Mirror SW
R 9 Rheostat

S 3 Seat Heater Relay
S 4 Seat Heater SW (Driver's Seat)
S 5 Seat Heater SW (Front Passenger's Seat)
S 6 Shift Lock ECU
S 7 Short Connector
S 8 Short Connector
S 9 Steering Angle Sensor
S 10 Stop Light SW

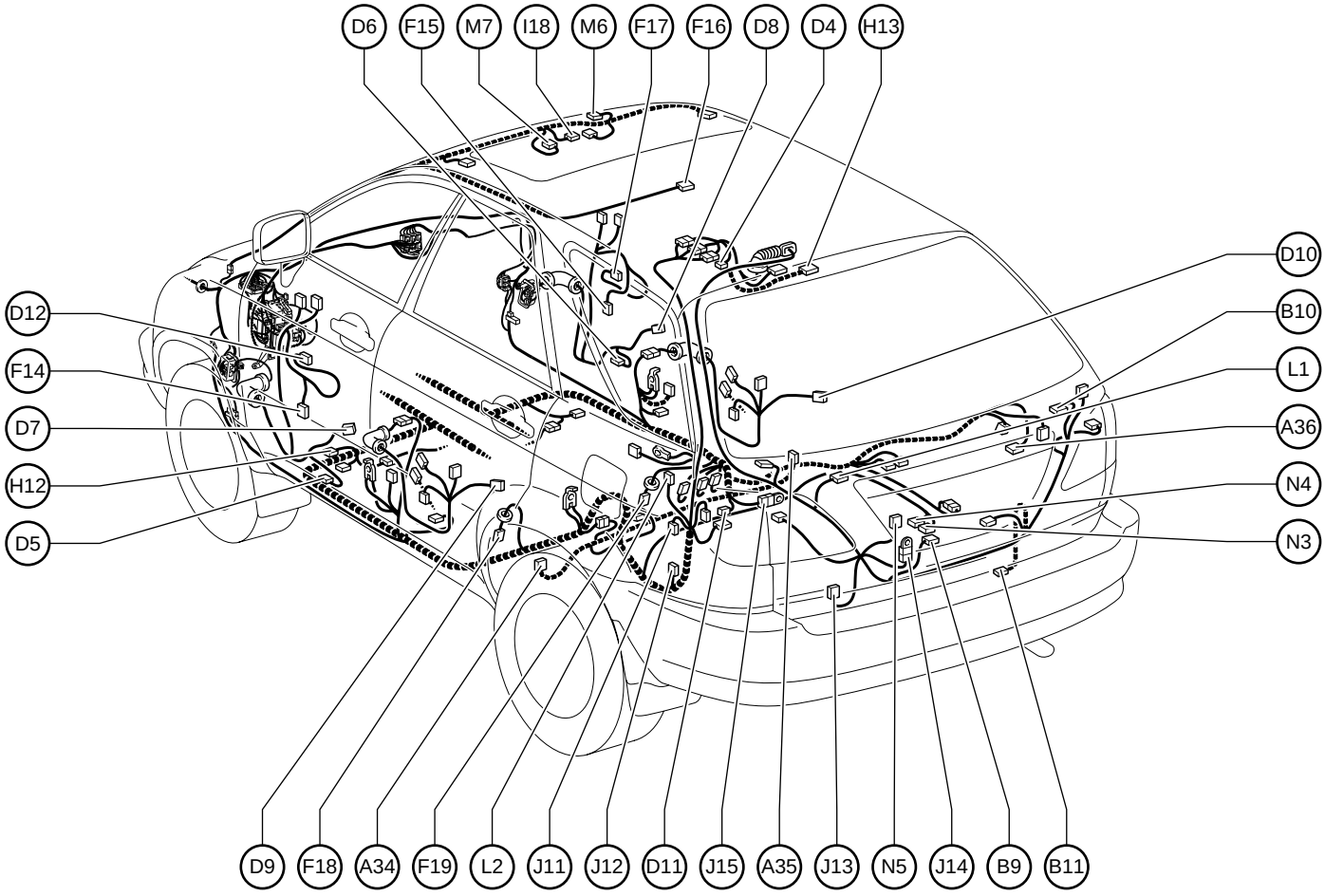
T 3 Telephone Microphone
T 4 Theft Deterrent ECU
T 5 Theft Deterrent ECU
T 7 Transponder Key Amplifier
T 8 Turn Signal Flasher
T 9 Tweeter LH
T 10 Tweeter RH

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

Position of Parts in Body

[LHD]



A34 ABS Speed Sensor Rear LH
A35 ABS Speed Sensor Rear RH
A36 Auto Antenna Motor and Relay

B 9 Back Door Courtesy SW
B10 Back Door Key Lock and Unlock SW
B11 Back Door Lock Motor and Back Door Unlock Detection SW

D 4 Diode (Rear Interior Light)
D 5 Door Courtesy Light Front LH
D 6 Door Courtesy Light Front RH
D 7 Door Lock Motor and SW Front LH
D 8 Door Lock Motor and SW Front RH
D 9 Door Lock Motor and SW Rear LH
D10 Door Lock Motor and SW Rear RH
D11 Double Lock Door Control Relay
D12 Driver Door ECU

F14 Front Door Speaker LH
F15 Front Door Speaker RH
F16 Front Interior Light
F17 Front Passenger Door ECU
F18 Fuel Pump and Fuel Sender (Main)
F19 Fuel Sender (Sub)

H12 Heated Oxygen Sensor (Bank 1 Sensor 2)
H13 High Mounted Stop Light

I 18 Inner Mirror

J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector

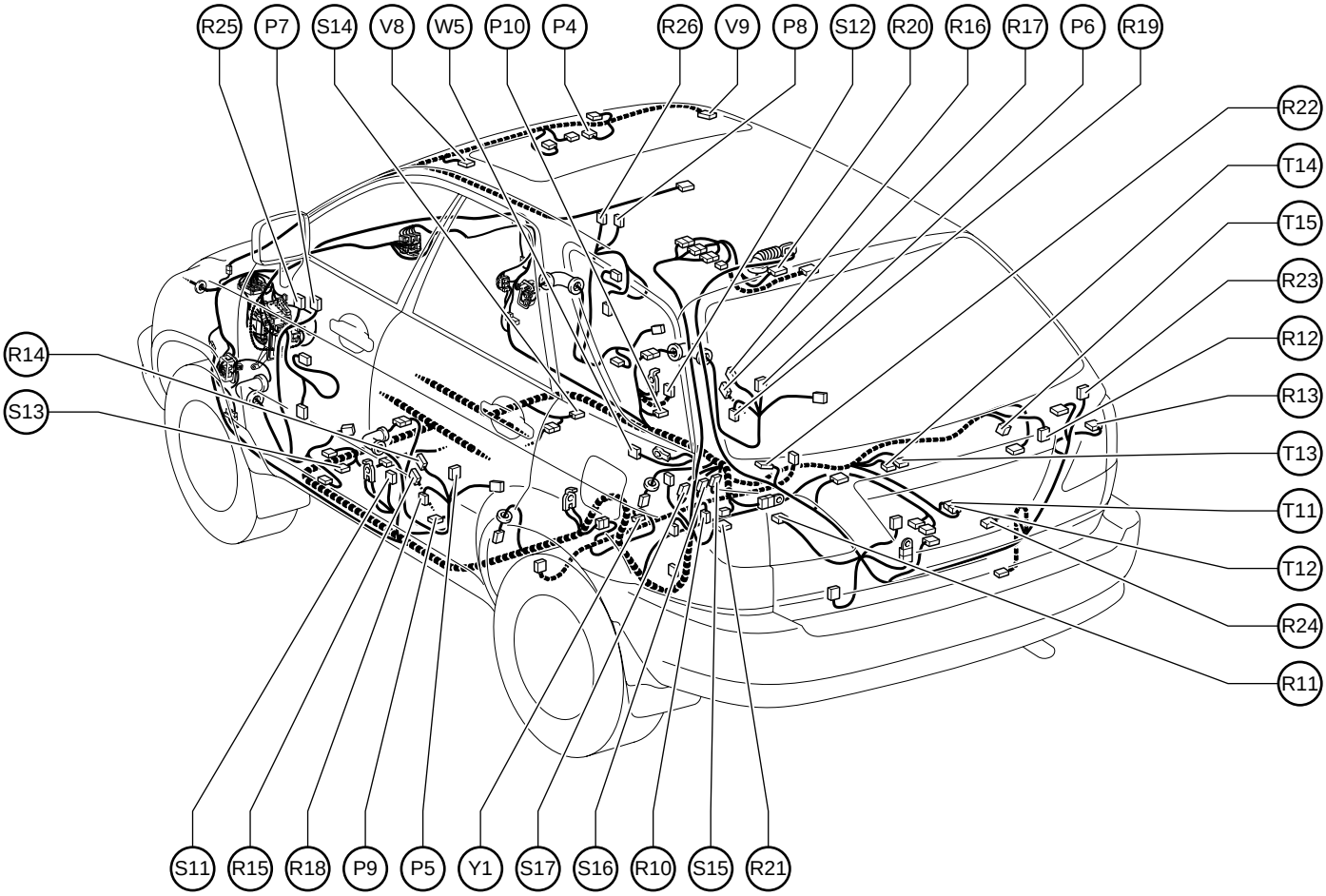
L 1 License Plate Light
L 2 Light Failure Sensor

M 6 Moon Roof Control ECU
M 7 Moon Roof Control SW

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Noise Filter (DEF)

Position of Parts in Body

[LHD]



P 4 Personal Light
P 5 Power Window Control SW Rear LH
P 6 Power Window Control SW Rear RH
P 7 Power Window Motor Front LH
P 8 Power Window Motor Front RH
P 9 Pretensioner LH
P10 Pretensioner RH

R10 Rear Combination Light LH
R11 Rear Combination Light LH
R12 Rear Combination Light RH
R13 Rear Combination Light RH
R14 Rear Door LH ECU
R15 Rear Door LH ECU
R16 Rear Door RH ECU
R17 Rear Door RH ECU
R18 Rear Door Speaker LH
R19 Rear Door Speaker RH
R20 Rear Interior Light
R21 Rear Power Outlet
R22 Rear Window Defogger
R23 Rear Window Defogger
R24 Rear Wiper Motor
R25 Remote Control Mirror LH
R26 Remote Control Mirror RH

S 11 Side Airbag Sensor LH
S 12 Side Airbag Sensor RH
S 13 Side Airbag Squib LH
S 14 Side Airbag Squib RH
S 15 Stereo Component Amplifier
S 16 Stereo Component Amplifier
S 17 Stereo Component Amplifier

T 11 Telephone ECU
T 12 Telephone ECU
T 13 Telephone ECU
T 14 Telephone ECU
T 15 Theft Deterrent Siren

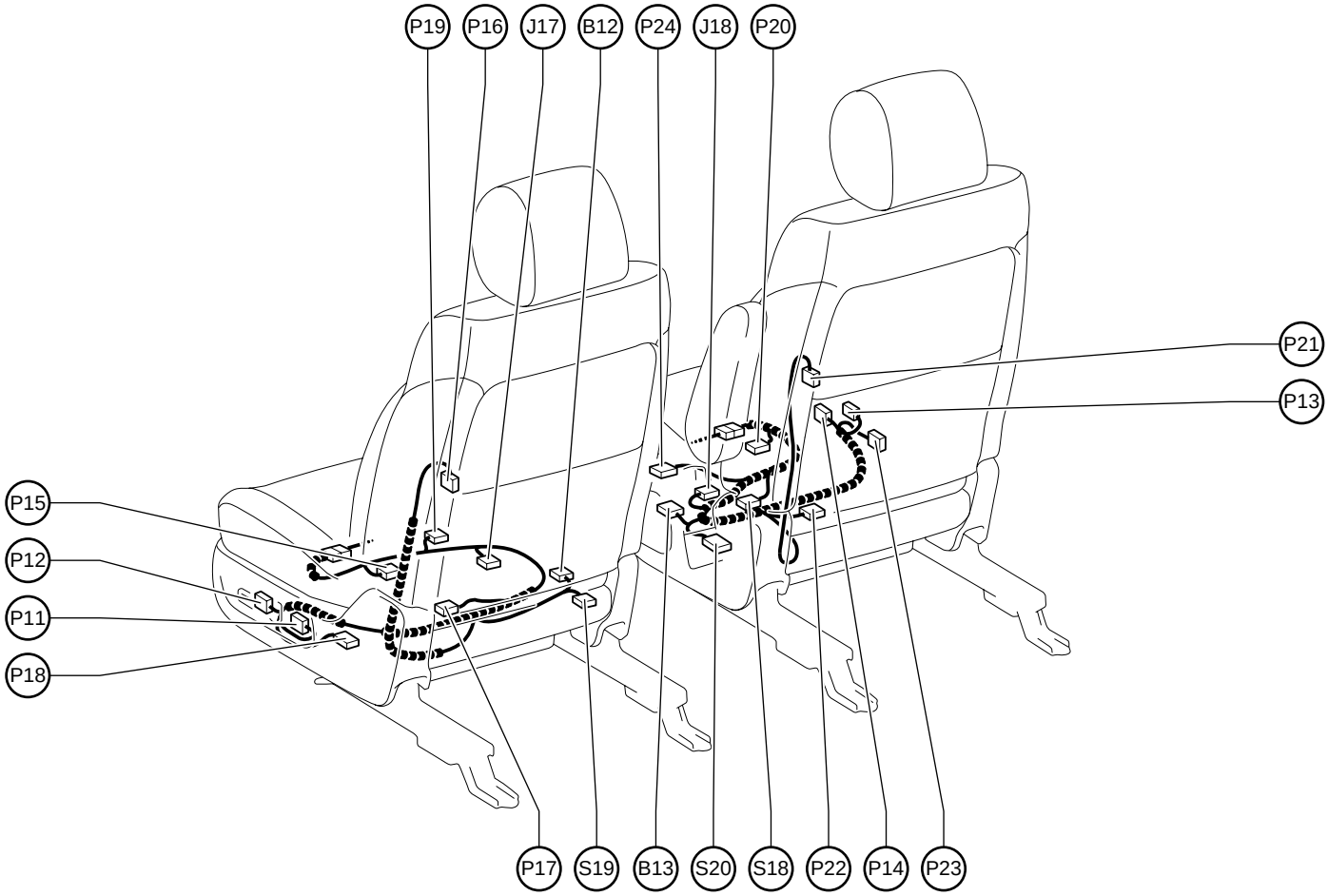
V 8 Vanity Light LH
V 9 Vanity Light RH

W 5 Wireless Door Control Receiver

Y 1 Yaw Rate Sensor

Position of Parts in Seat

[LHD]



B12 Buckle SW LH
B13 Buckle SW RH

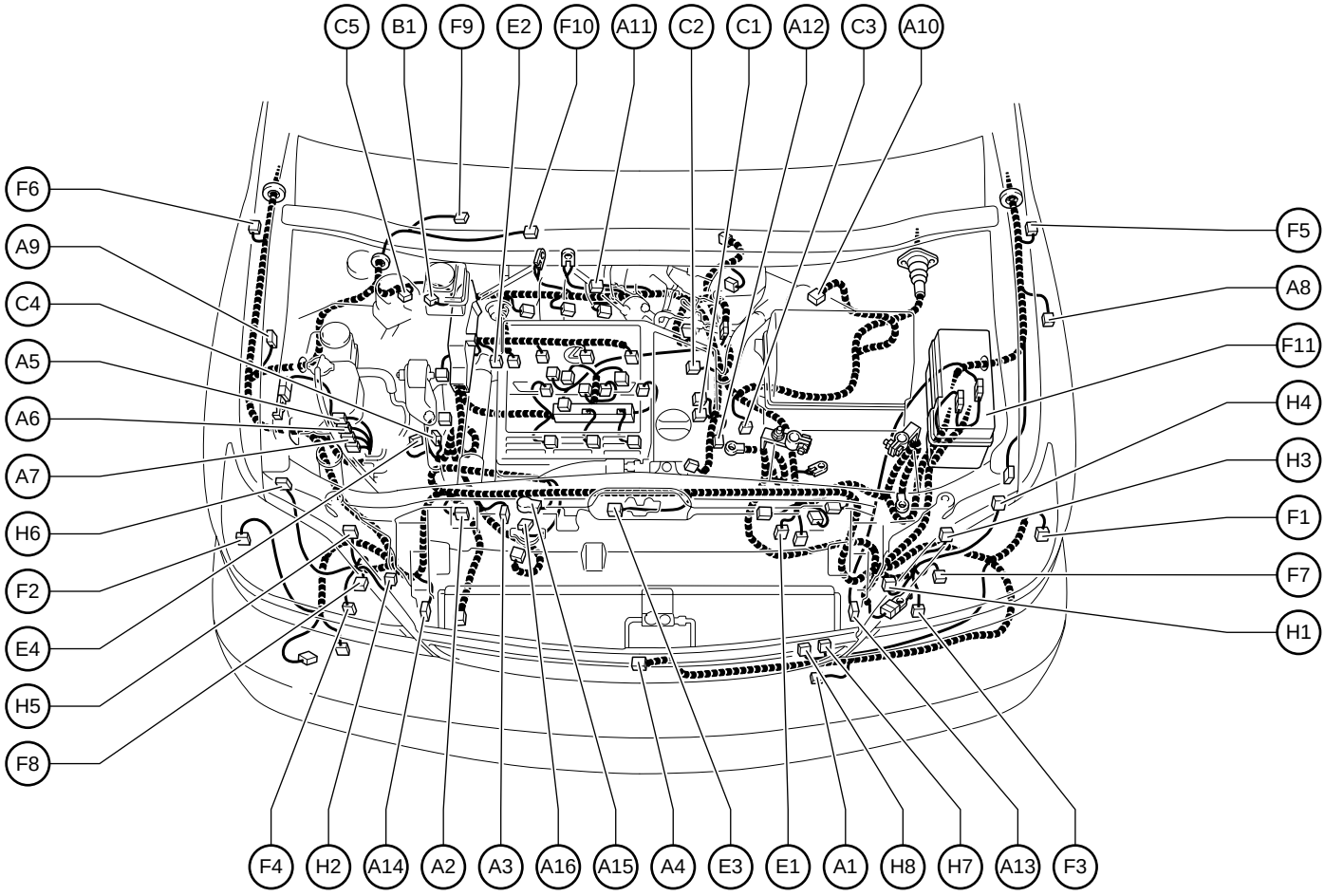
J 17 Junction Connector
J 18 Junction Connector

P 11 Power Seat Control SW
(Driver's Seat Lumbar Support Control)
P 12 Power Seat Control SW (Driver's Seat)
P 13 Power Seat Control SW
(Front Passenger's Seat Lumbar Support Control)
P 14 Power Seat Control SW (Front Passenger's Seat)
P 15 Power Seat Motor (Driver's Seat Front Vertical Control)
P 16 Power Seat Motor
(Driver's Seat Lumbar Support Control)
P 17 Power Seat Motor (Driver's Seat Rear Vertical Control)
P 18 Power Seat Motor (Driver's Seat Reclining Control)
P 19 Power Seat Motor (Driver's Seat Slide Control)
P 20 Power Seat Motor
(Front Passenger's Seat Front Vertical Control)
P 21 Power Seat Motor
(Front Passenger's Seat Lumbar Support Control)
P 22 Power Seat Motor
(Front Passenger's Seat Rear Vertical Control)
P 23 Power Seat Motor
(Front Passenger's Seat Reclining Control)
P 24 Power Seat Motor
(Front Passenger's Seat Slide Control)

S 18 Seat Belt Warning Occupant Detection Sensor
S 19 Seat Heater (Driver's Seat)
S 20 Seat Heater (Front Passenger's Seat)

Position of Parts in Engine Compartment

[RHD]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Magnetic Clutch and Lock Sensor
A 4 A/C Triple Pressure SW
(A/C Dual and Single Pressure SW)
A 5 ABS & BA & TRC & VSC Actuator
A 6 ABS & BA & TRC & VSC Actuator
A 7 ABS & BA & TRC & VSC Actuator
A 8 ABS Speed Sensor Front LH
A 9 ABS Speed Sensor Front RH
A10 Air Flow Meter
A11 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A12 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A13 Airbag Sensor Front LH
A14 Airbag Sensor Front RH
A15 Alternator
A16 Alternator

B 1 Brake Fluid Level Warning SW

C 1 Camshaft Timing Oil Control Valve LH
C 2 Camshaft Timing Oil Control Valve RH
C 3 Counter Gear Speed Sensor
C 4 Crankshaft Position Sensor
C 5 Cruise Control Actuator

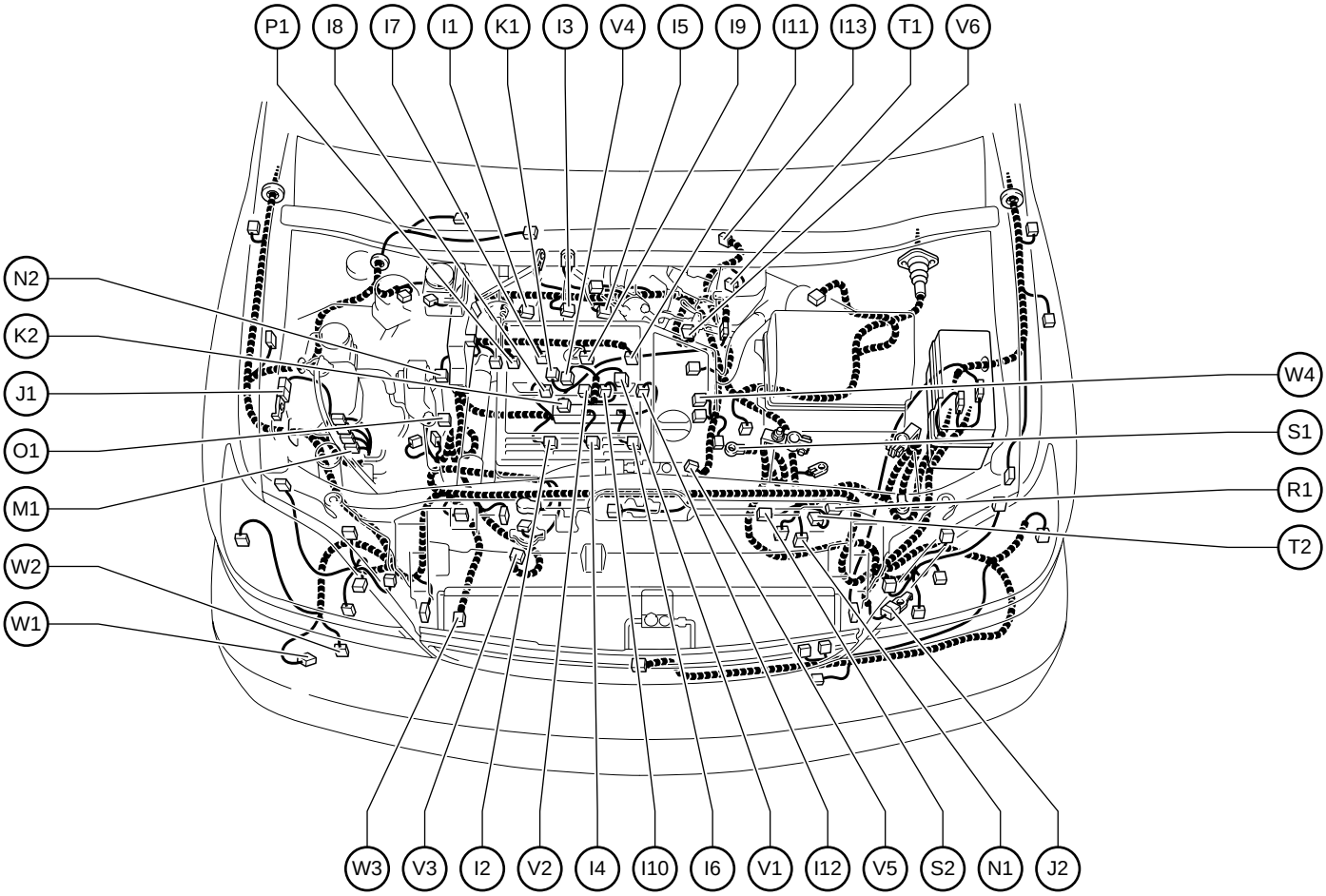
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 3 Engine Hood Courtesy SW
E 4 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
F 8 Front Turn Signal Light RH
F 9 Front Window Defogger
F10 Front Wiper Motor
F11 Fusible Link Block

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight LH (High Beam)
H 4 Headlight LH (Low Beam)
H 5 Headlight RH (High Beam)
H 6 Headlight RH (Low Beam)
H 7 Horn LH
H 8 Horn RH

Position of Parts in Engine Compartment

[RHD]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Ignition Coil and Igniter No.5
I 6 Ignition Coil and Igniter No.6
I 7 Injector No.1
I 8 Injector No.2
I 9 Injector No.3
I 10 Injector No.4
I 11 Injector No.5
I 12 Injector No.6
I 13 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor 1
K 2 Knock Sensor 2

M 1 Master Cylinder Pressure Sensor

N 1 Neutral Start SW, A/T Indicator Light SW and Back–Up Light SW
N 2 Noise Filter (Ignition System)

O 1 Oil Pressure SW

P 1 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

S 1 Starter
S 2 Starter

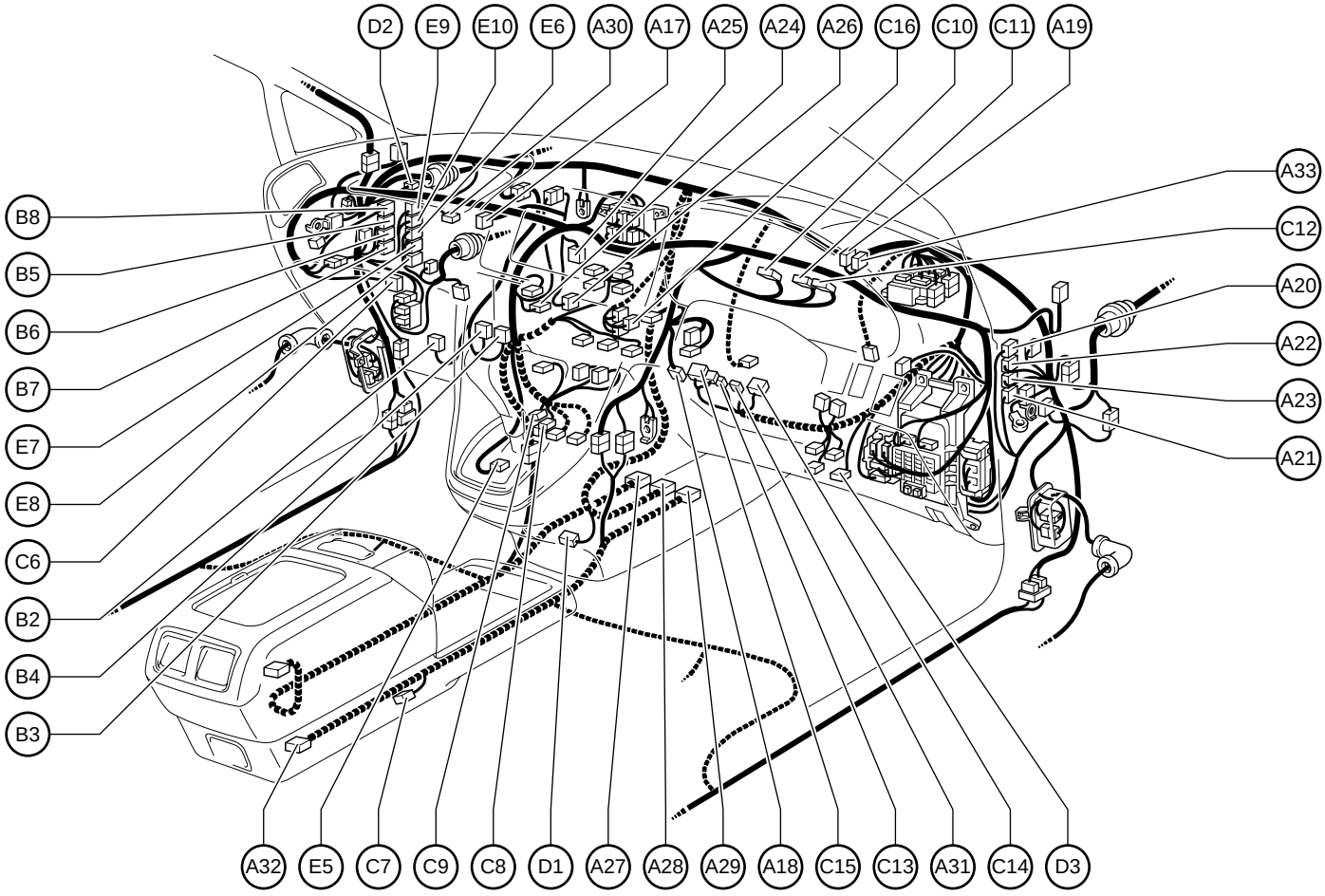
T 1 Throttle Position Sensor
T 2 Turbine Speed Sensor

V 1 VSV (ACIS No.1)
V 2 VSV (ACIS No.2)
V 3 VSV (ACM)
V 4 VSV (EVAP)
V 5 VVT Sensor LH
V 6 VVT Sensor RH

W 1 Washer Level Warning SW
W 2 Washer Motor
W 3 Water Temp. SW No.1
W 4 Water Temp. SW No.2

Position of Parts in Instrument Panel

[RHD]



A17 A/C Evaporator Temp. Sensor
A18 A/C Room Temp. Sensor
A19 A/C Solar Sensor
A20 ABS & BA & TRC & VSC ECU
A21 ABS & BA & TRC & VSC ECU
A22 ABS & BA & TRC & VSC ECU
A23 ABS & BA & TRC & VSC ECU
A24 Air Inlet Control Servo Motor
A25 Air Mix Control Servo Motor
A26 Air Vent Mode Control Servo Motor
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Sensor Assembly
A30 Airbag Squib (Front Passenger's Airbag Assembly)
A31 Airbag Squib (Steering Wheel Pad)
A32 Ashtray Illumination
A33 Automatic Light Control Sensor

B 2 Blower Motor
B 3 Blower Motor Control Relay
B 4 Blower Motor Control Relay
B 5 Body ECU
B 6 Body ECU
B 7 Body ECU
B 8 Body ECU

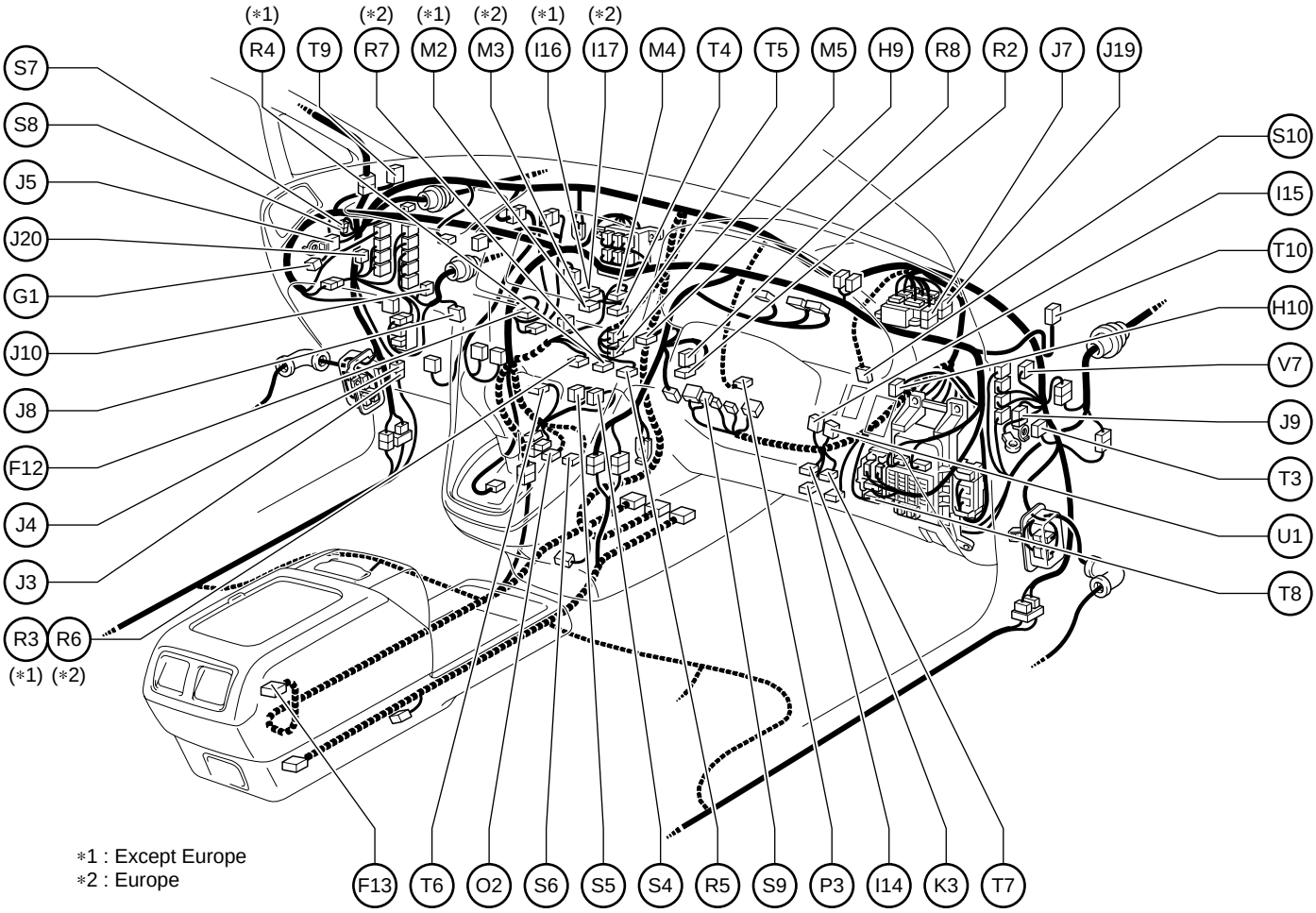
C 6 CD Automatic Changer
C 7 Cellular Phone (Hand Set)
C 8 Cigarette Lighter
C 9 Cigarette Lighter Illumination
C10 Combination Meter ECU
C11 Combination Meter ECU
C12 Combination Meter ECU
C13 Combination SW
C14 Combination SW
C15 Combination SW
C16 Cruise Control ECU

D 1 Deceleration Sensor
D 2 Diode (A/C)
D 3 DLC3

E 5 ECT Pattern Select SW
E 6 Engine and ECT ECU
E 7 Engine and ECT ECU
E 8 Engine and ECT ECU
E 9 Engine and ECT ECU
E10 Engine and ECT ECU

Position of Parts in Instrument Panel

[RHD]



F 12 Front Passenger's Seat Belt Warning Light
F 13 Front Power Outlet

G 1 Glove Box Light

H 9 Hazard SW
H10 Headlight Beam Level Control SW

I 14 Ignition Key Cylinder Light
I 15 Ignition SW
I 16 Instrument Control Panel
I 17 Instrument Control Panel

J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 19 Junction Connector
J 20 Junction Connector

K 3 Key Interlock Solenoid

M 2 Multi Display
M 3 Multi Display
M 4 Multi Display
M 5 Multi Display

O 2 O/D Main SW

P 3 Parking Brake SW

R 2 Radar Sensor
R 3 Radio and Player
R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Remote Control Mirror SW

S 4 Seat Heater SW (Driver's Seat)
S 5 Seat Heater SW (Front Passenger's Seat)
S 6 Shift Lock ECU
S 7 Short Connector
S 8 Short Connector
S 9 Steering Angle Sensor
S10 Stop Light SW

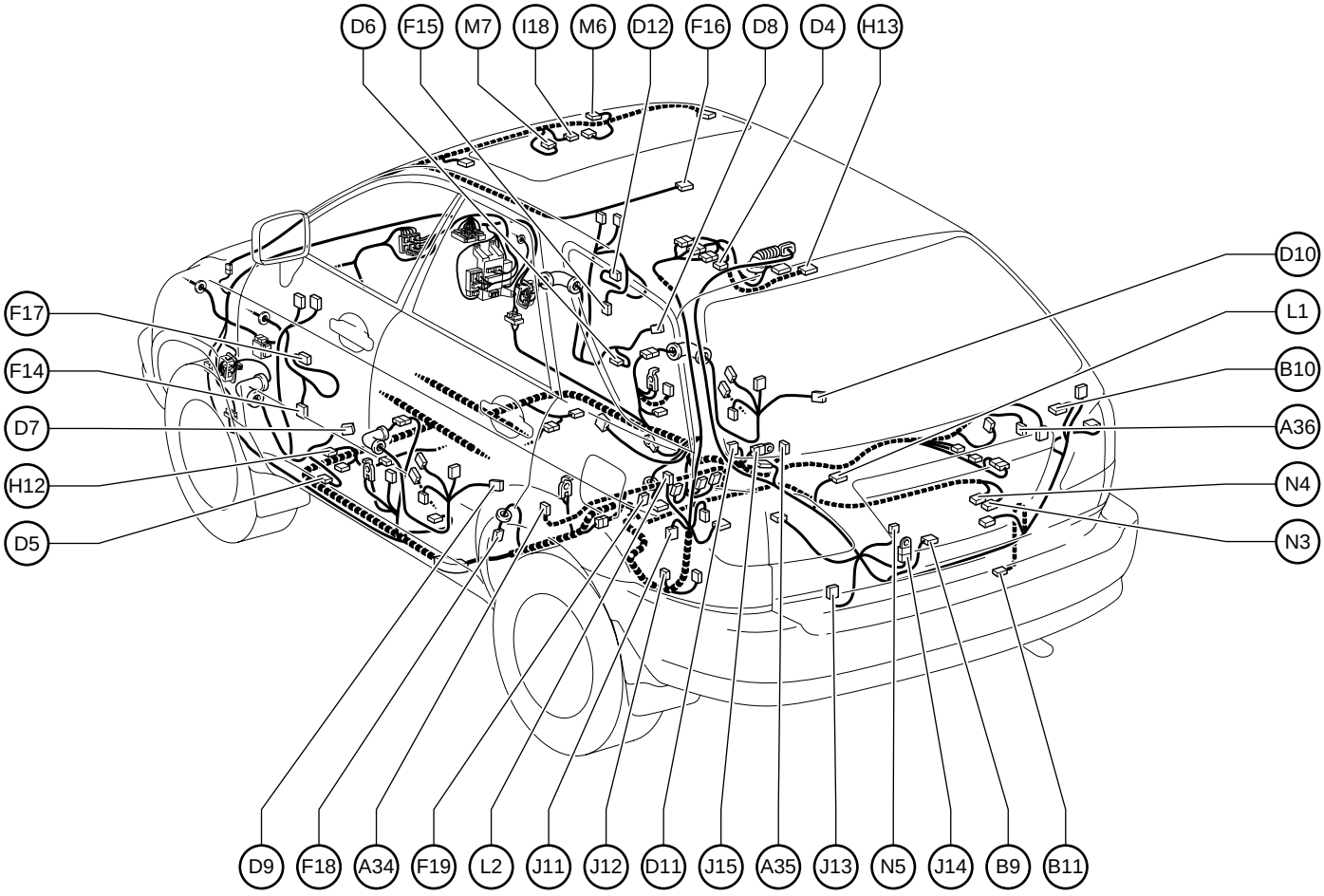
T 3 Telephone Microphone
T 4 Theft Deterrent ECU
T 5 Theft Deterrent ECU
T 6 Theft Deterrent Indicator Light
T 7 Transponder Key Amplifier
T 8 Turn Signal Flasher
T 9 Tweeter LH
T10 Tweeter RH

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

Position of Parts in Body

[RHD]



A34 ABS Speed Sensor Rear LH
A35 ABS Speed Sensor Rear RH
A36 Auto Antenna Motor and Relay

B 9 Back Door Courtesy SW
B10 Back Door Key Lock and Unlock SW
B11 Back Door Lock Motor and Back Door Unlock Detection SW

D 4 Diode (Rear Interior Light)
D 5 Door Courtesy Light Front LH
D 6 Door Courtesy Light Front RH
D 7 Door Lock Motor and SW Front LH
D 8 Door Lock Motor and SW Front RH
D 9 Door Lock Motor and SW Rear LH
D10 Door Lock Motor and SW Rear RH
D11 Double Lock Door Control Relay
D12 Driver Door ECU

F14 Front Door Speaker LH
F15 Front Door Speaker RH
F16 Front Interior Light
F17 Front Passenger Door ECU
F18 Fuel Pump and Fuel Sender (Main)
F19 Fuel Sender (Sub)

H12 Heated Oxygen Sensor (Bank 1 Sensor 2)
H13 High Mounted Stop Light

I 18 Inner Mirror

J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector

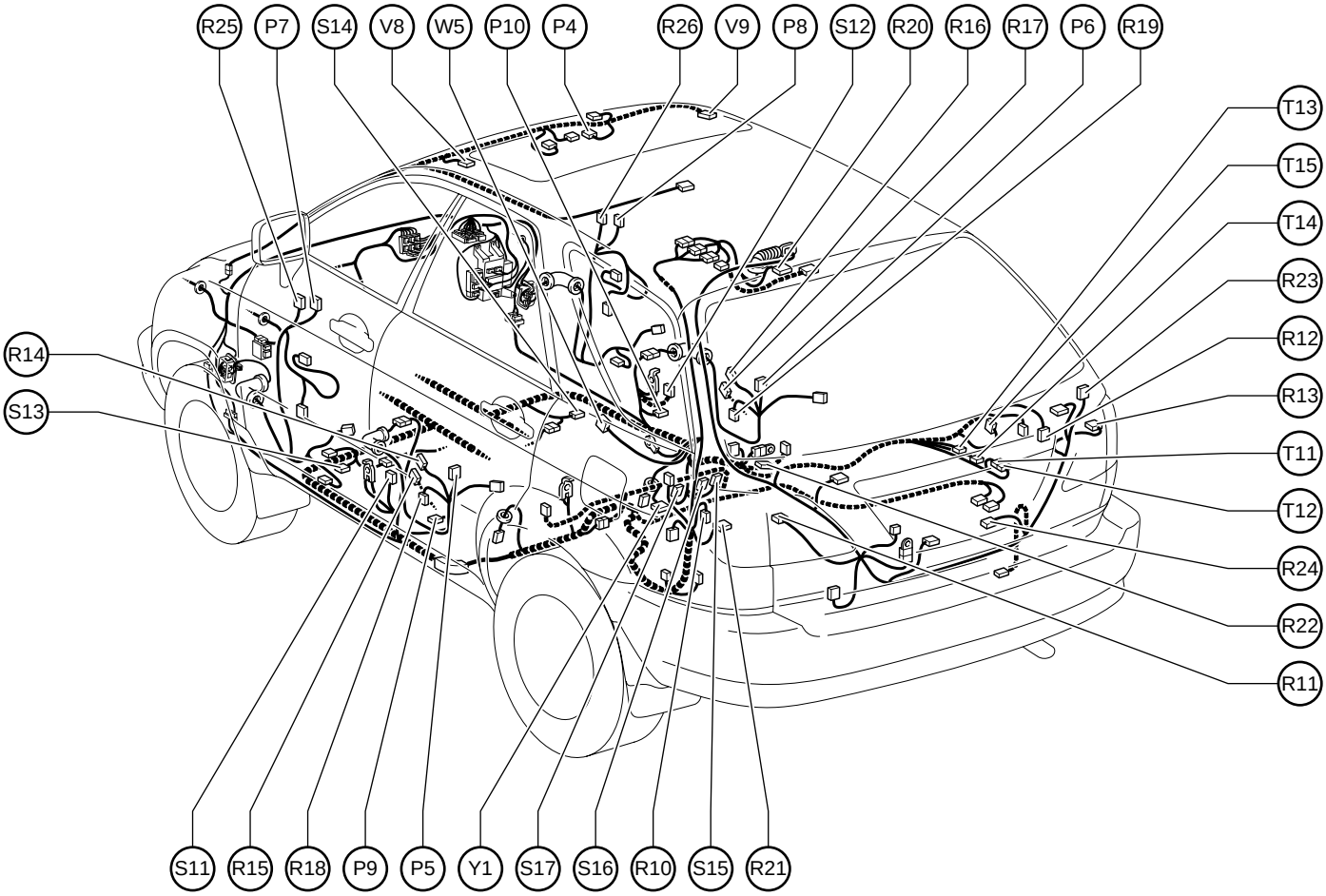
L 1 License Plate Light
L 2 Light Failure Sensor

M 6 Moon Roof Control ECU
M 7 Moon Roof Control SW

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Noise Filter (DEF)

Position of Parts in Body

[RHD]



P 4 Personal Light
P 5 Power Window Control SW Rear LH
P 6 Power Window Control SW Rear RH
P 7 Power Window Motor Front LH
P 8 Power Window Motor Front RH
P 9 Pretensioner LH
P10 Pretensioner RH

R10 Rear Combination Light LH
R11 Rear Combination Light LH
R12 Rear Combination Light RH
R13 Rear Combination Light RH
R14 Rear Door LH ECU
R15 Rear Door LH ECU
R16 Rear Door RH ECU
R17 Rear Door RH ECU
R18 Rear Door Speaker LH
R19 Rear Door Speaker RH
R20 Rear Interior Light
R21 Rear Power Outlet
R22 Rear Window Defogger
R23 Rear Window Defogger
R24 Rear Wiper Motor
R25 Remote Control Mirror LH
R26 Remote Control Mirror RH

S 11 Side Airbag Sensor LH
S 12 Side Airbag Sensor RH
S 13 Side Airbag Squib LH
S 14 Side Airbag Squib RH
S 15 Stereo Component Amplifier
S 16 Stereo Component Amplifier
S 17 Stereo Component Amplifier

T 11 Telephone ECU
T 12 Telephone ECU
T 13 Telephone ECU
T 14 Telephone ECU
T 15 Theft Deterrent Siren

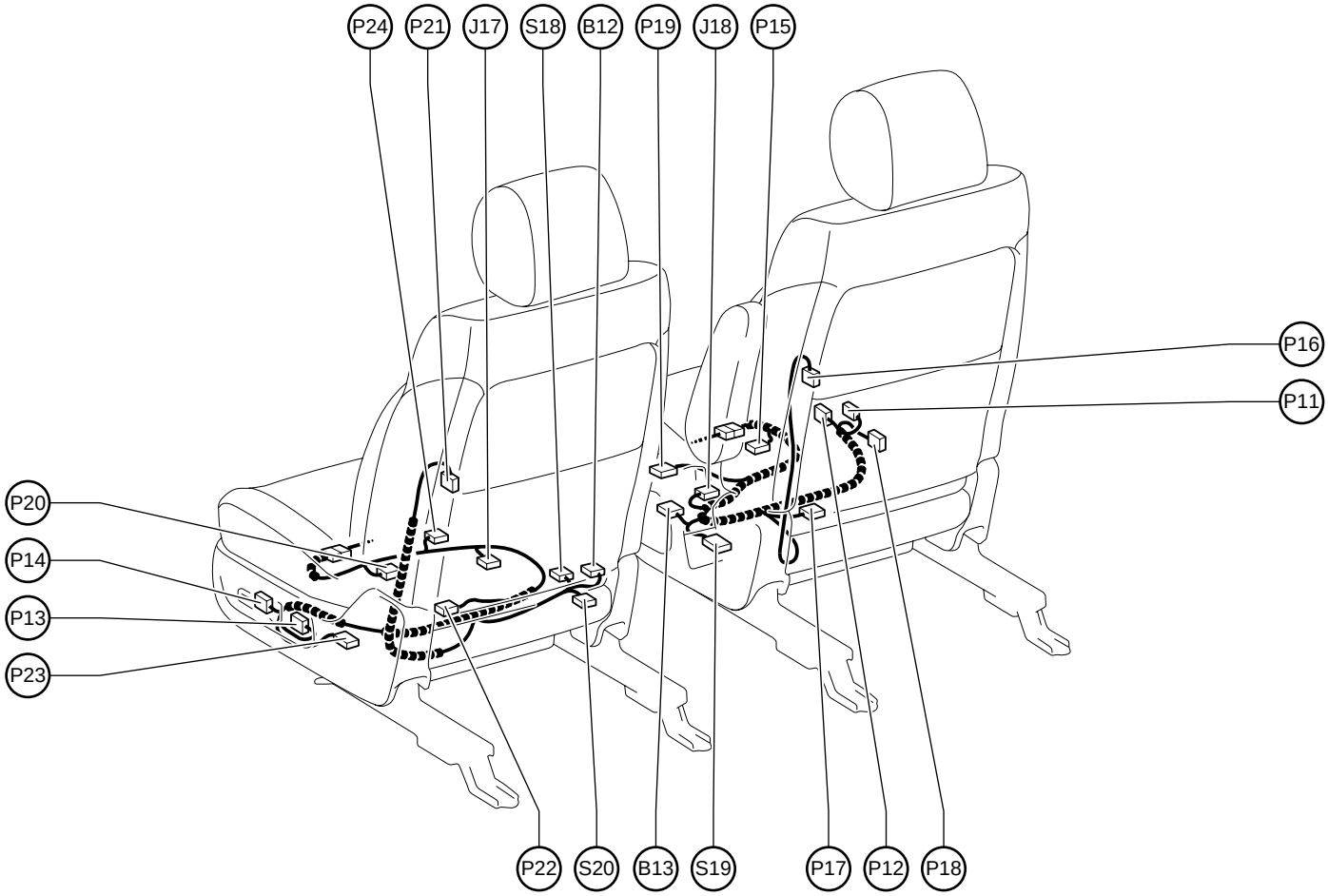
V 8 Vanity Light LH
V 9 Vanity Light RH

W 5 Wireless Door Control Receiver

Y 1 Yaw Rate Sensor

Position of Parts in Seat

[RHD]



B12 Buckle SW LH
B13 Buckle SW RH

J17 Junction Connector
J18 Junction Connector

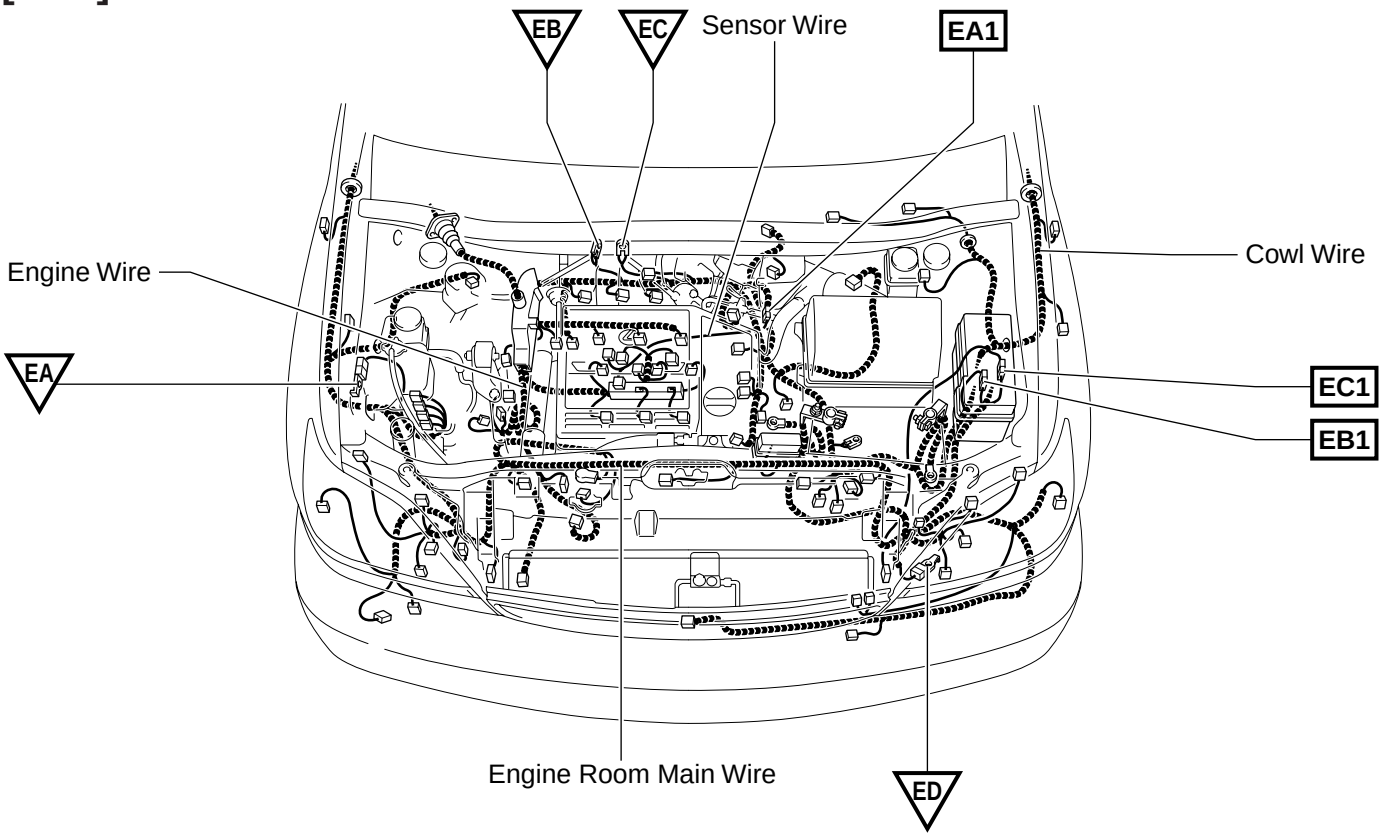
P11 Power Seat Control SW
(Driver's Seat Lumbar Support Control)
P12 Power Seat Control SW (Driver's Seat)
P13 Power Seat Control SW
(Front Passenger's Seat Lumbar Support Control)
P14 Power Seat Control SW (Front Passenger's Seat)
P15 Power Seat Motor (Driver's Seat Front Vertical Control)
P16 Power Seat Motor
(Driver's Seat Lumbar Support Control)
P17 Power Seat Motor (Driver's Seat Rear Vertical Control)
P18 Power Seat Motor (Driver's Seat Reclining Control)
P19 Power Seat Motor (Driver's Seat Slide Control)
P20 Power Seat Motor
(Front Passenger's Seat Front Vertical Control)
P21 Power Seat Motor
(Front Passenger's Seat Lumbar Suppurt Control)
P22 Power Seat Motor
(Front Passenger's Seat Rear Vertical Control)
P23 Power Seat Motor
(Front Passenger's Seat Reclining Control)
P24 Power Seat Motor
(Front Passenger's Seat Slide Control)

S18 Seat Belt Warning Occupant Detection Sensor
S19 Seat Heater (Driver's Seat)
S20 Seat Heater (Front Passenger's Seat)

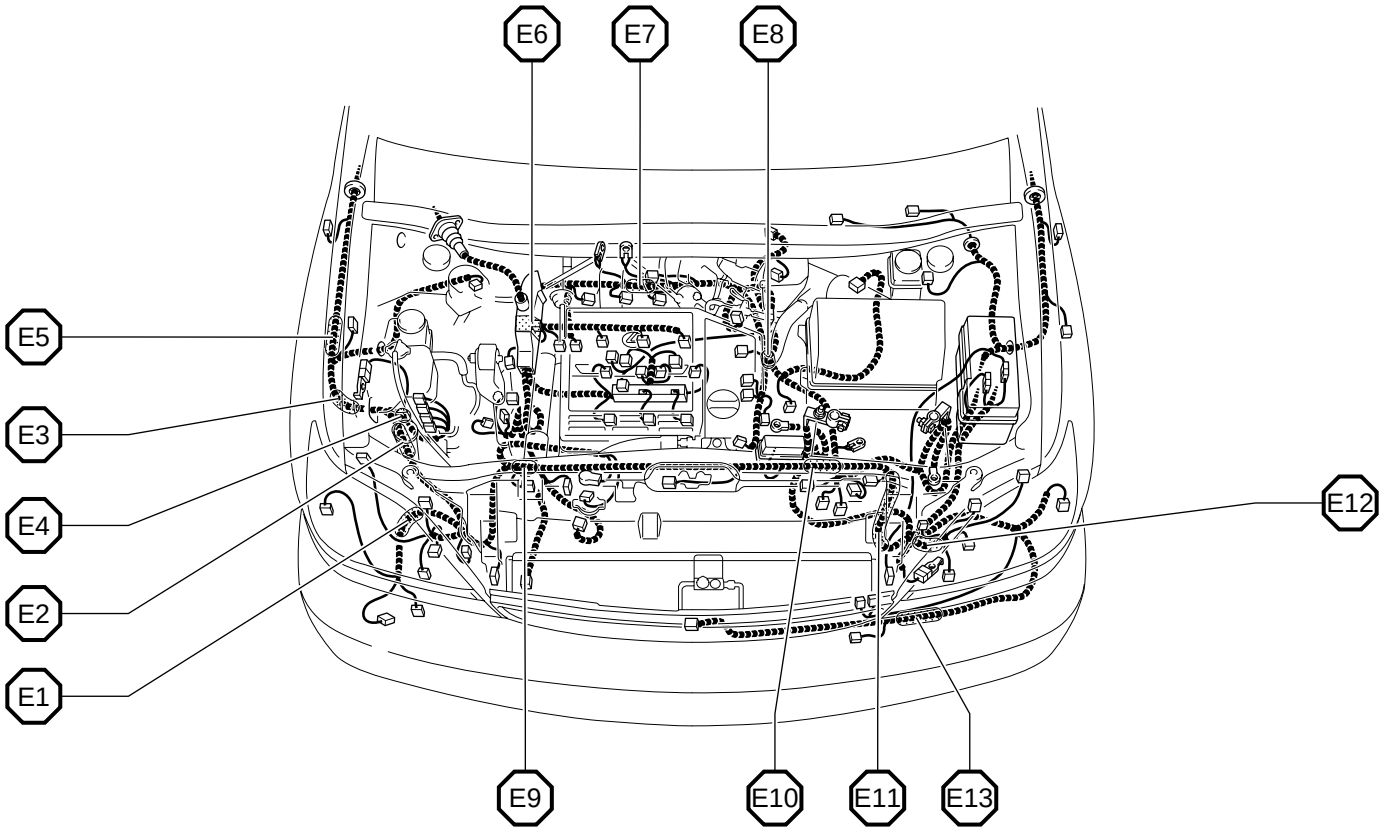
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

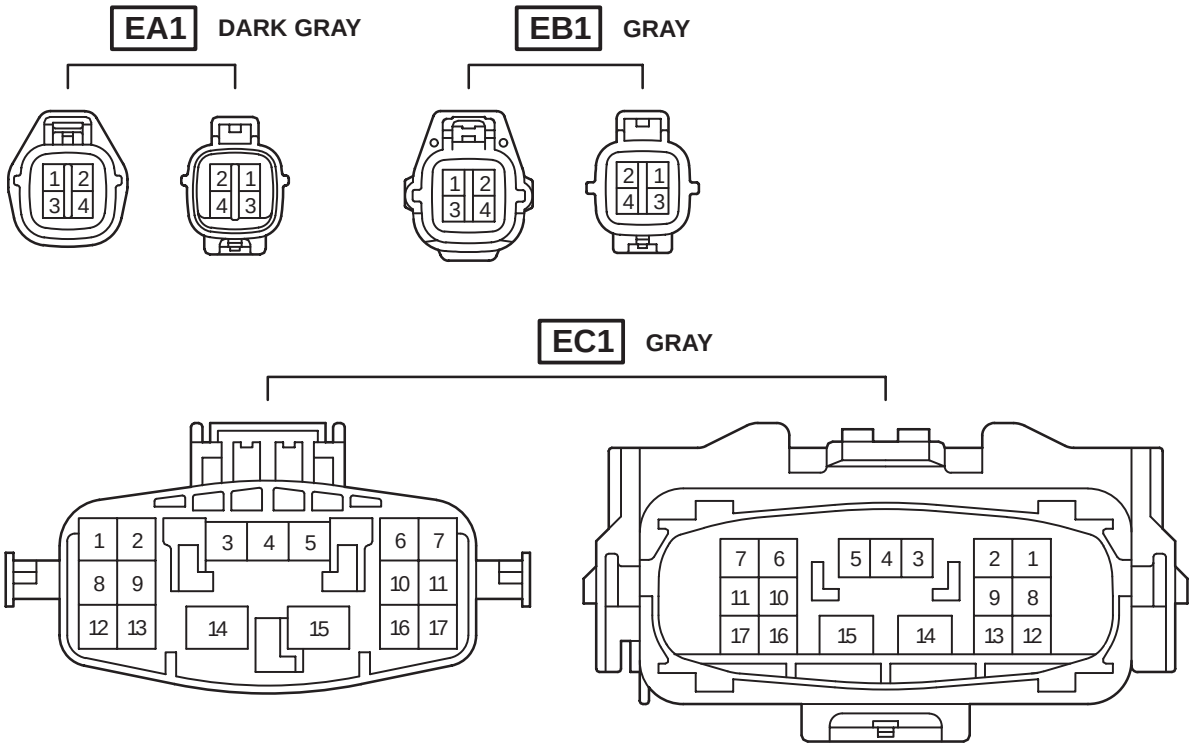
[LHD]



○ : Location of Splice Points



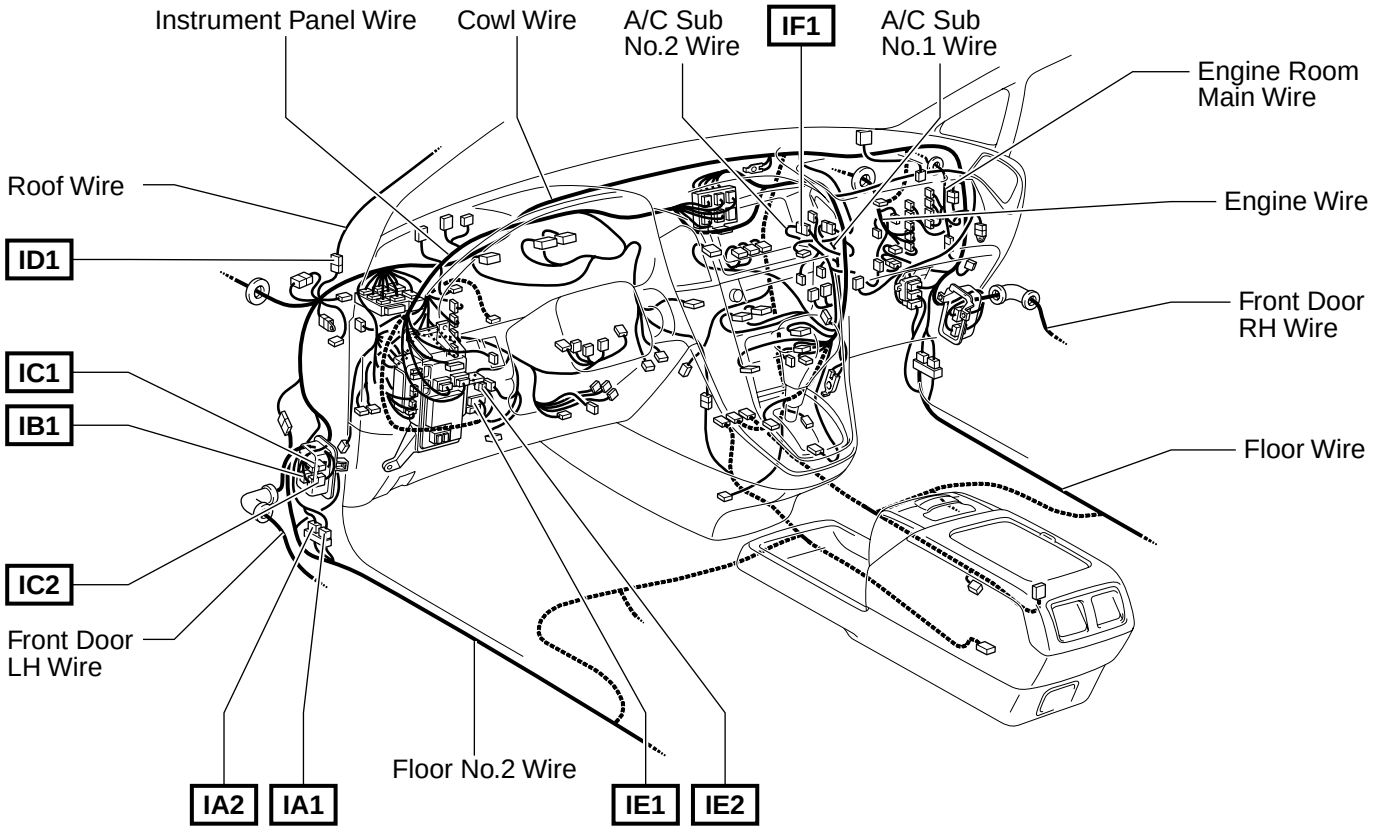
Connector Joining Wire Harness and Wire Harness



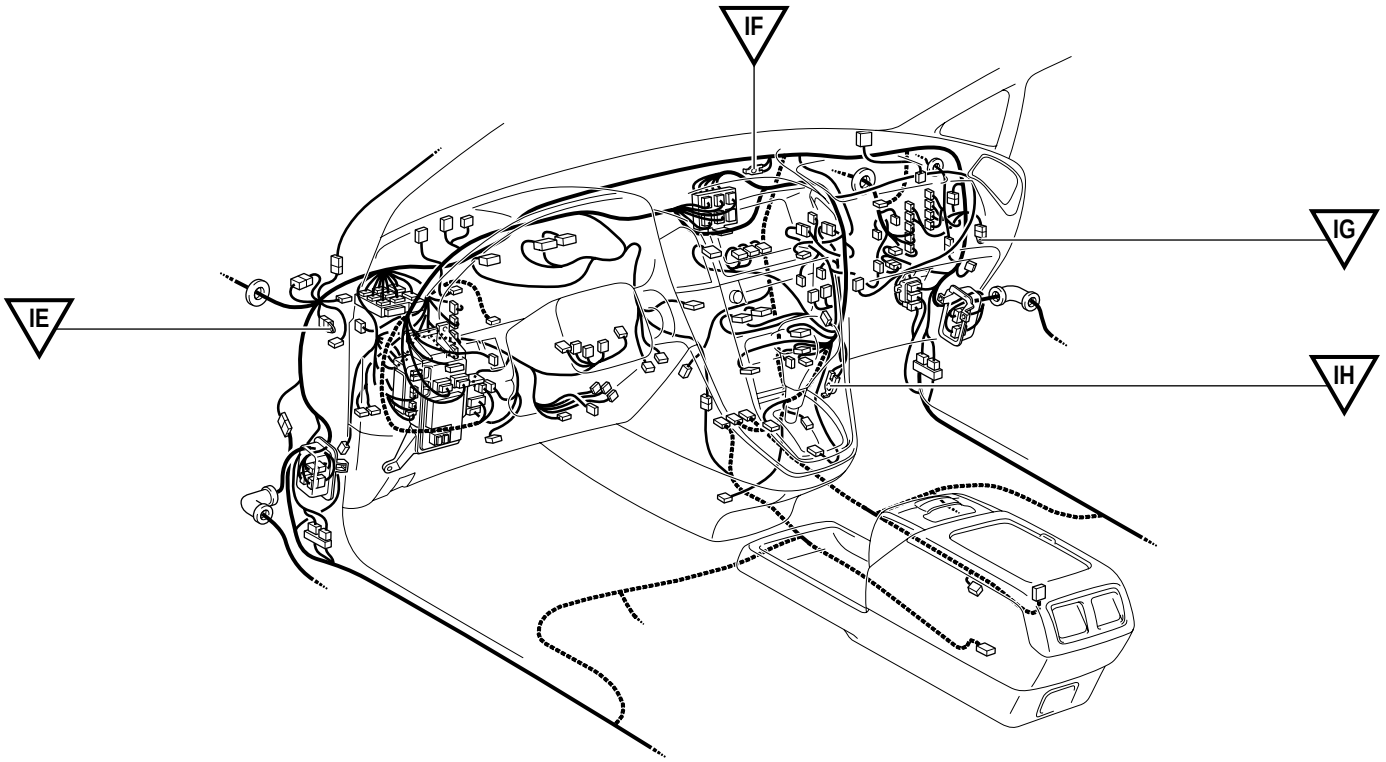
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Sensor Wire (Head Cover RH)
EB1	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
EC1	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)

▭ : Location of Connector Joining Wire Harness and Wire Harness

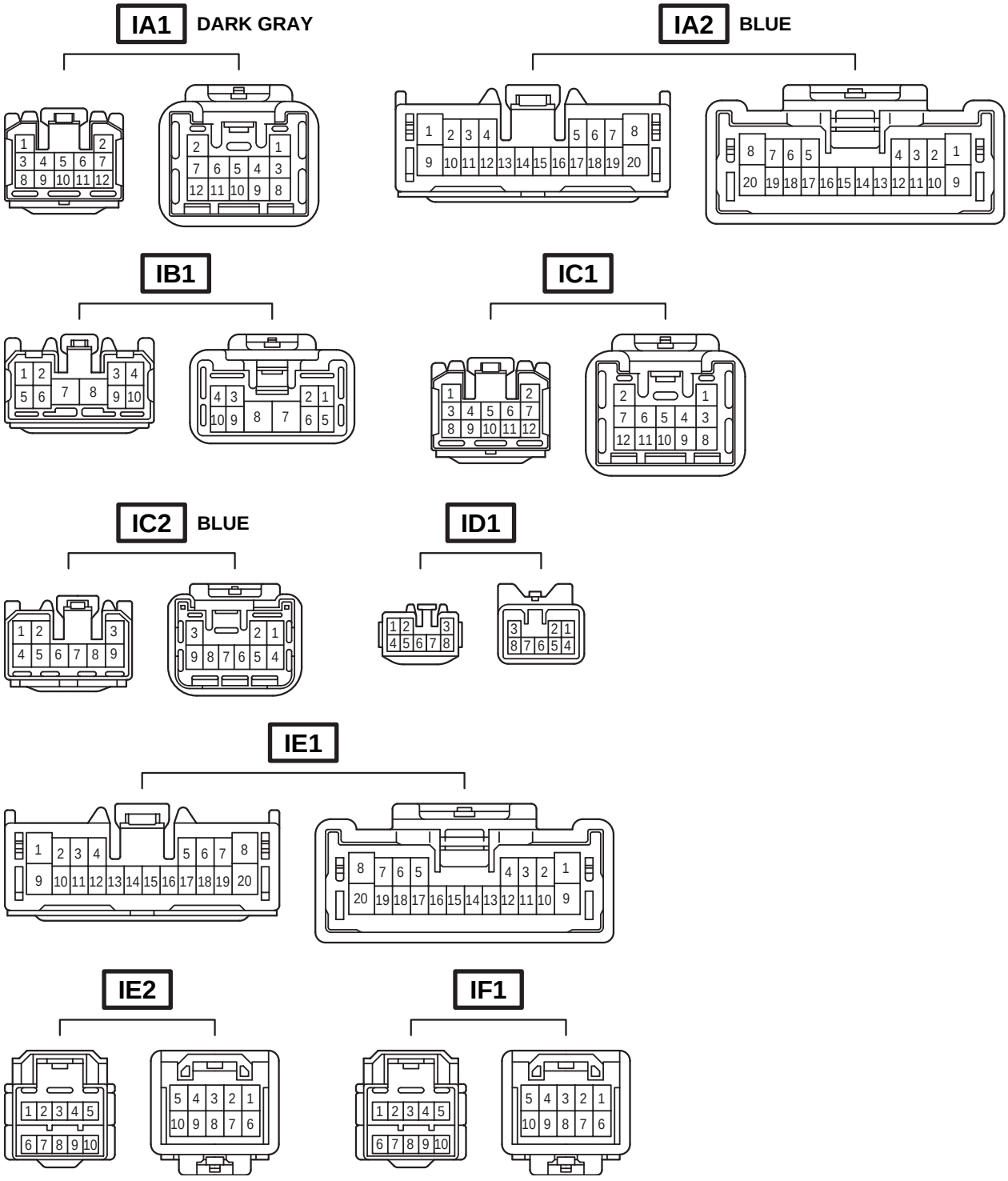
[LHD]



▽ : Location of Ground Points



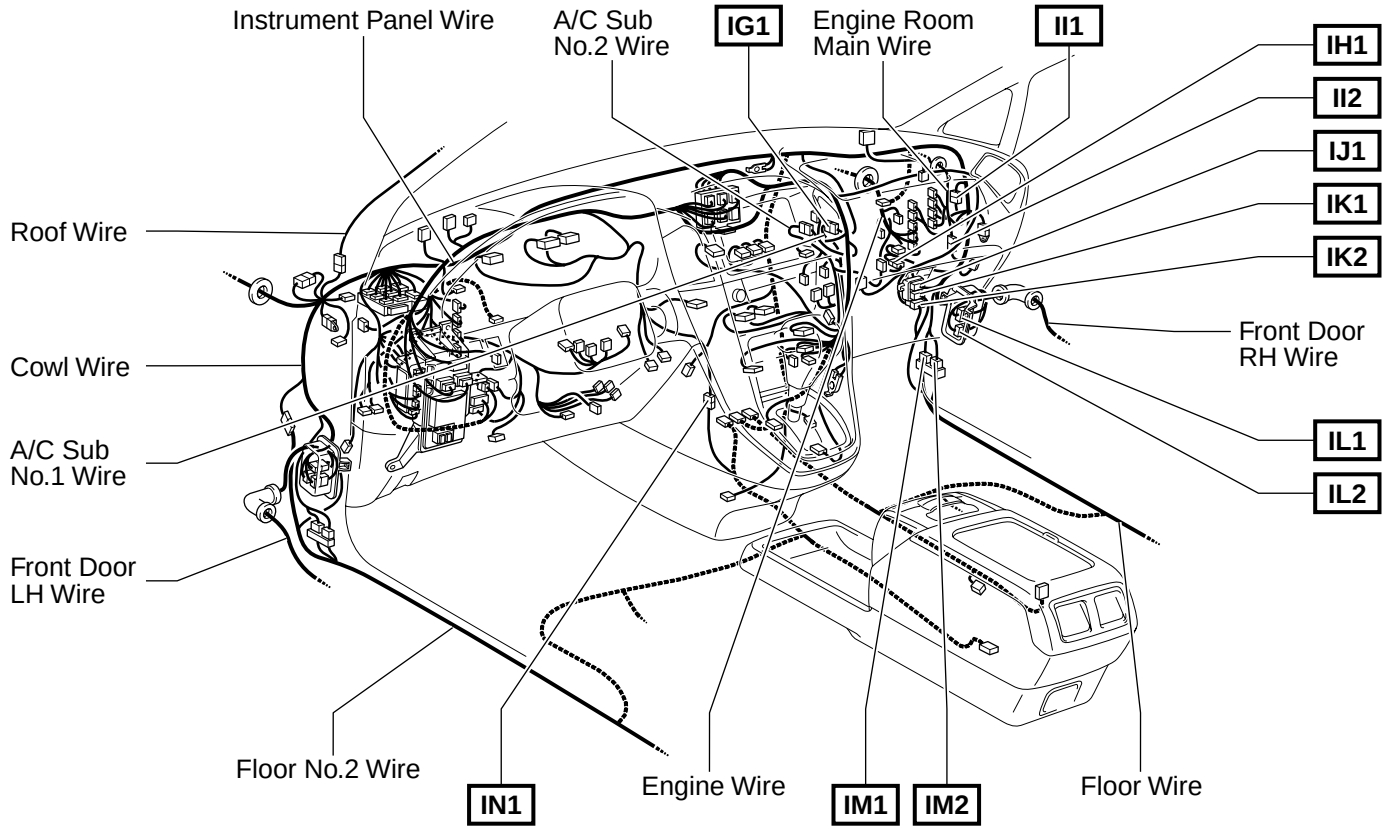
Connector Joining Wire Harness and Wire Harness



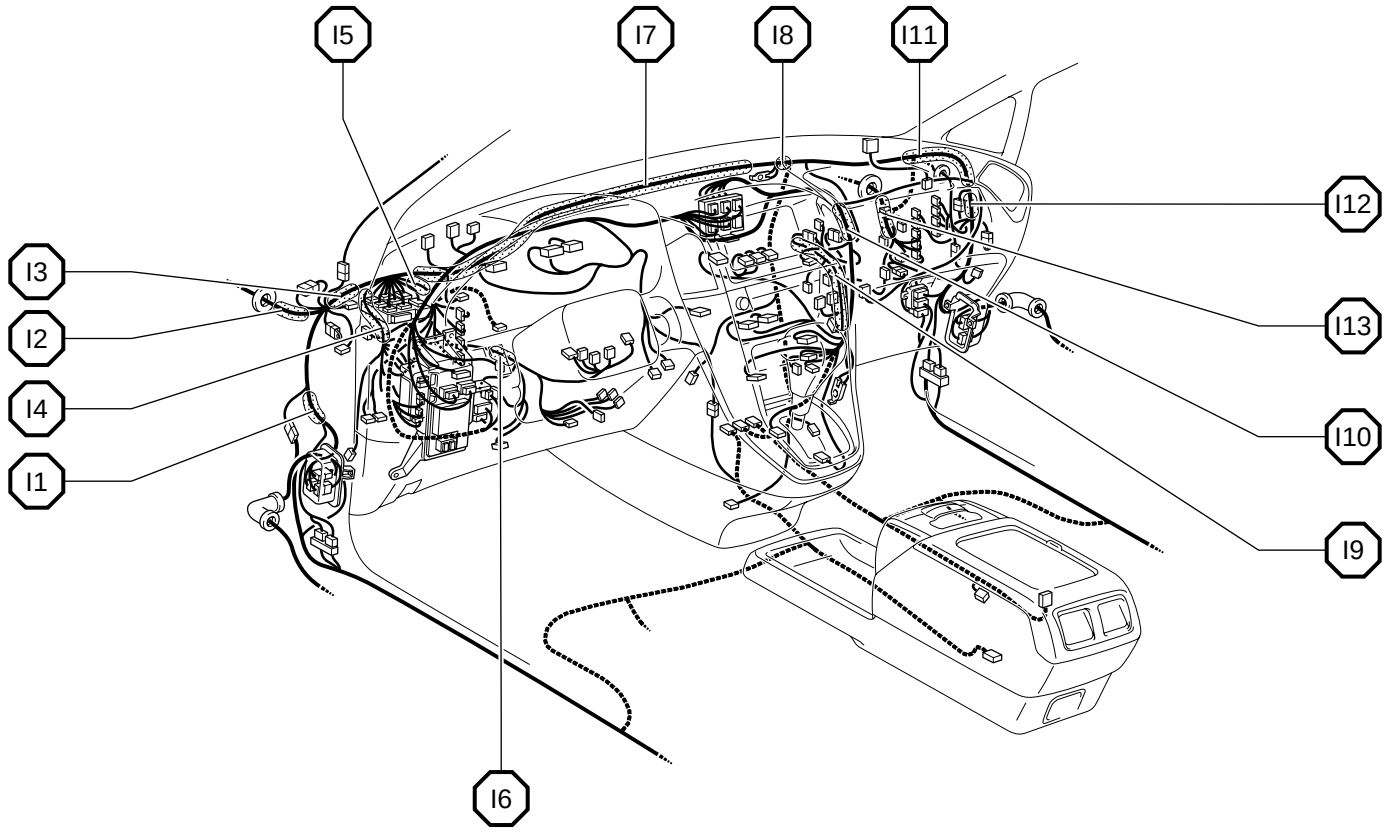
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2	
IB1	Floor No.2 Wire and Cowl Wire (Left Kick Panel)
IC1	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2	
ID1	Roof Wire and Cowl Wire (Left Side of the Instrument Panel)
IE1	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IE2	
IF1	Instrument Panel Wire and A/C Sub No.2 Wire (Instrument Panel Brace RH)

▭ : Location of Connector Joining Wire Harness and Wire Harness

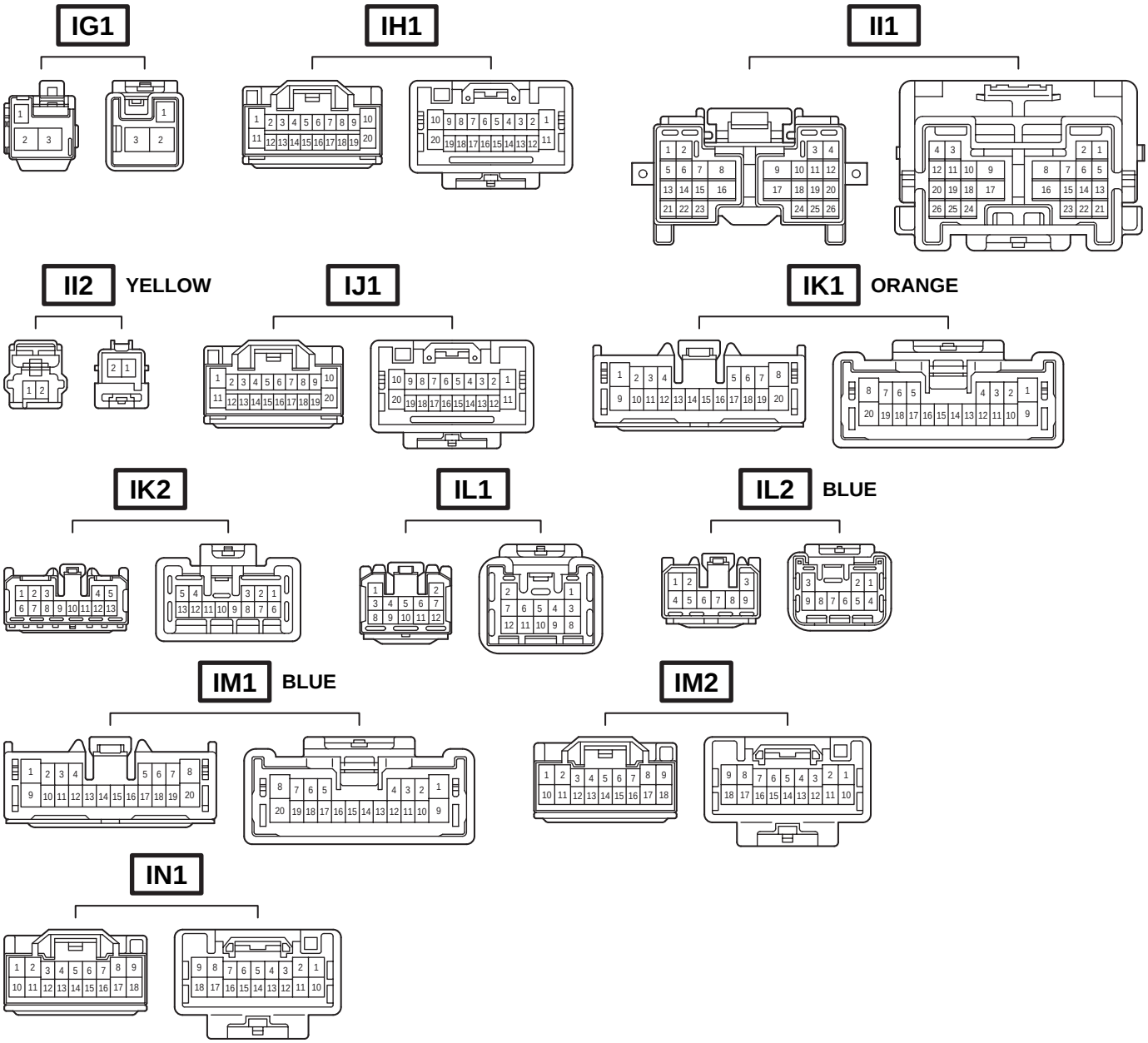
[LHD]



◯ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

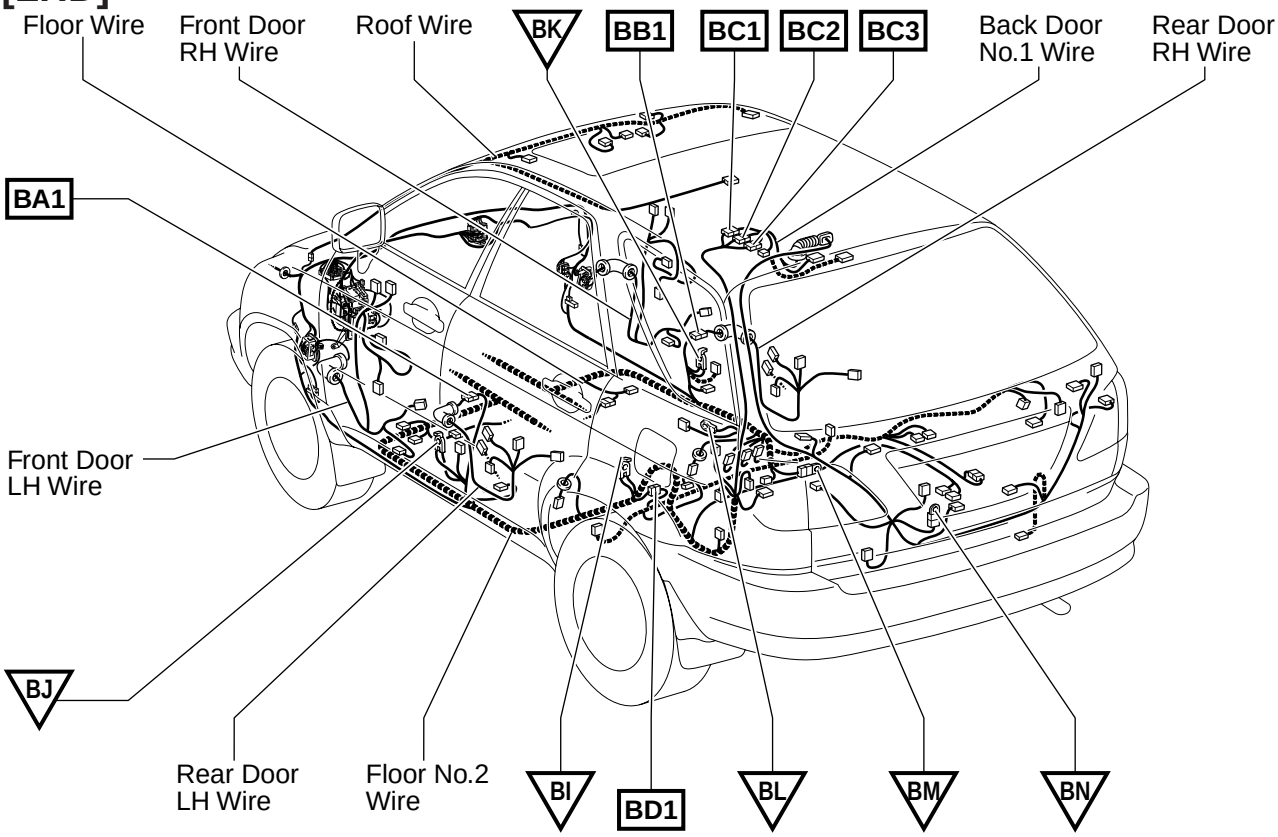


Code	Joining Wire Harness and Wire Harness (Connector Location)
IG1	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IH1	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
II2	
IJ1	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL2	
IM1	Cowl Wire and Floor Wire (Right Kick Panel)
IM2	
IN1	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)

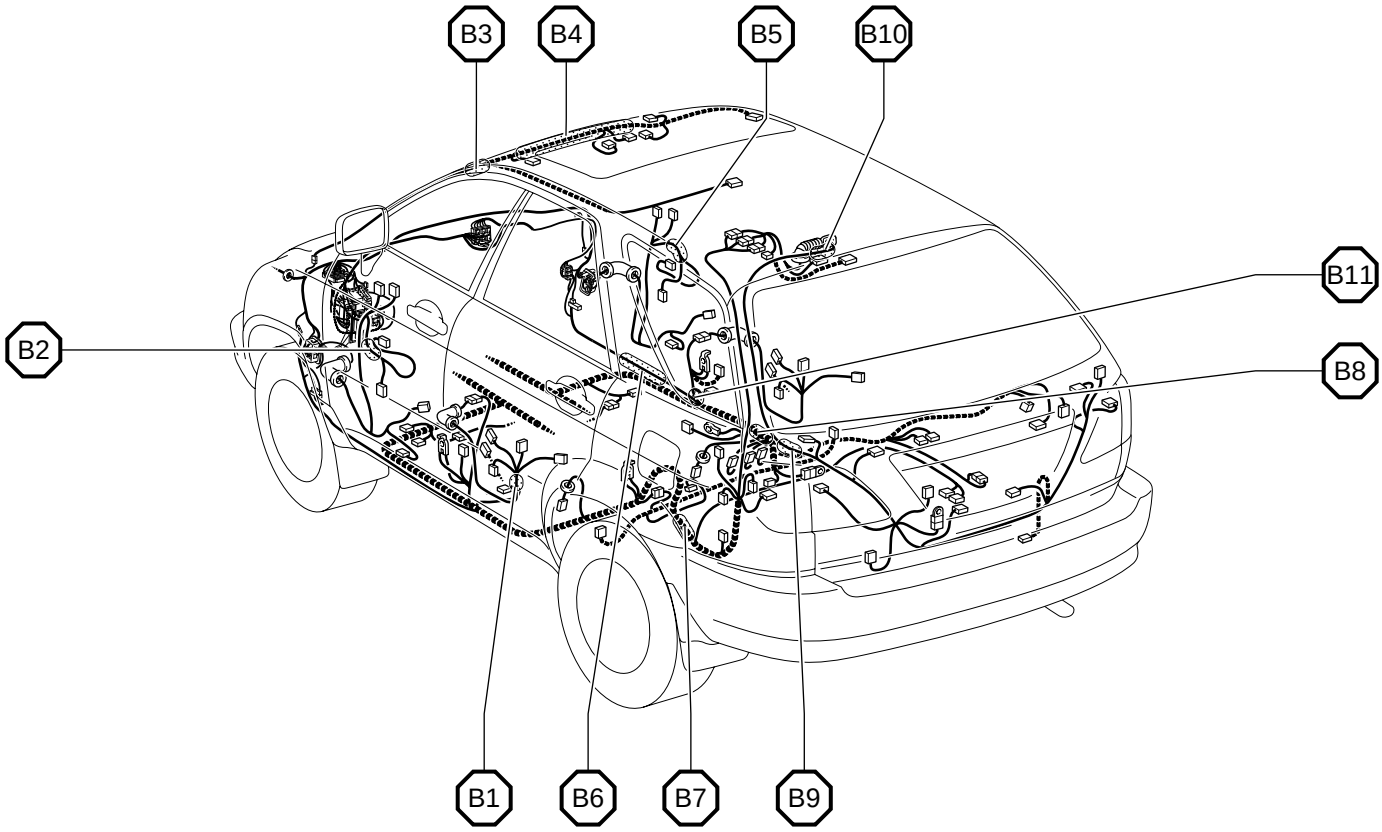
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

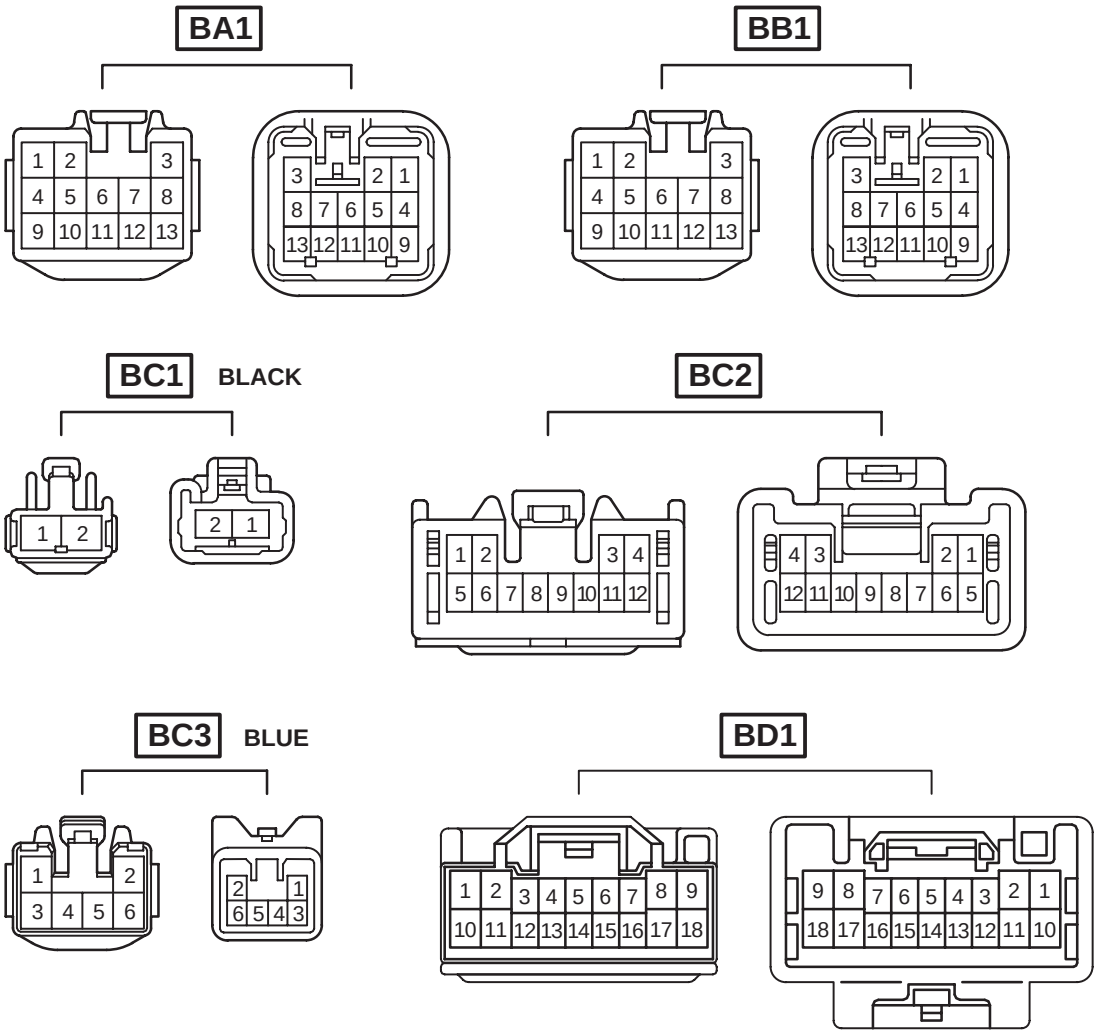
[LHD]



⬡ : Location of Splice Points



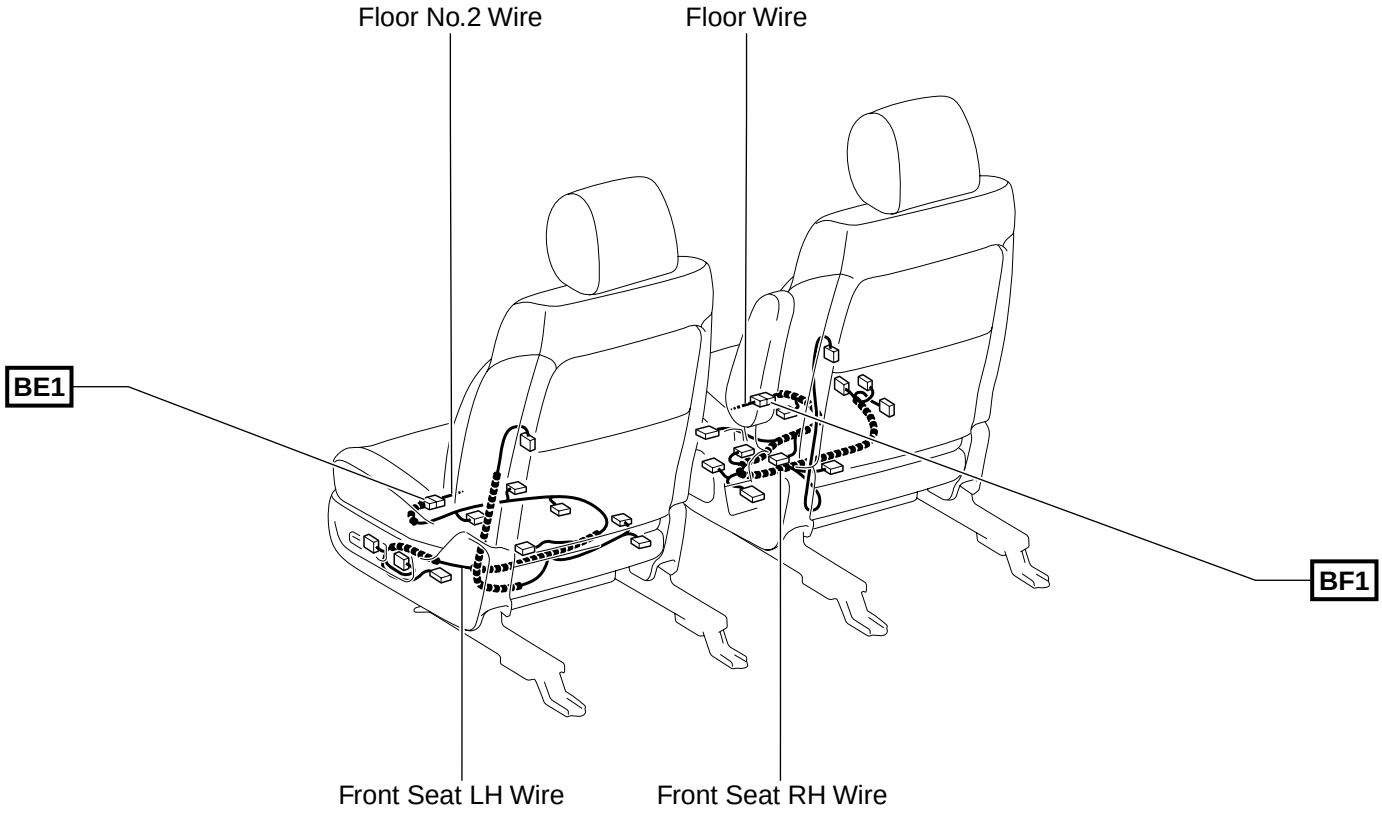
Connector Joining Wire Harness and Wire Harness



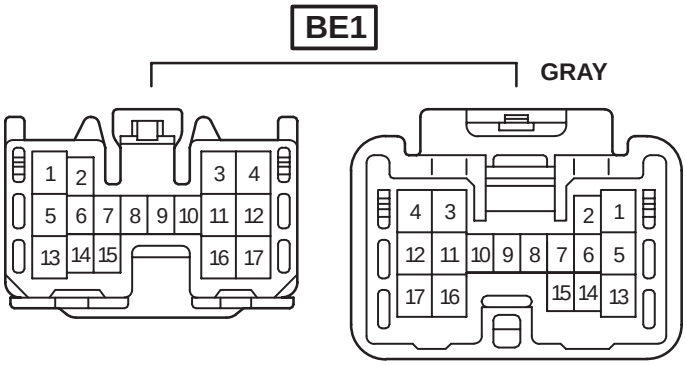
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC1	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC2	
BC3	
BD1	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

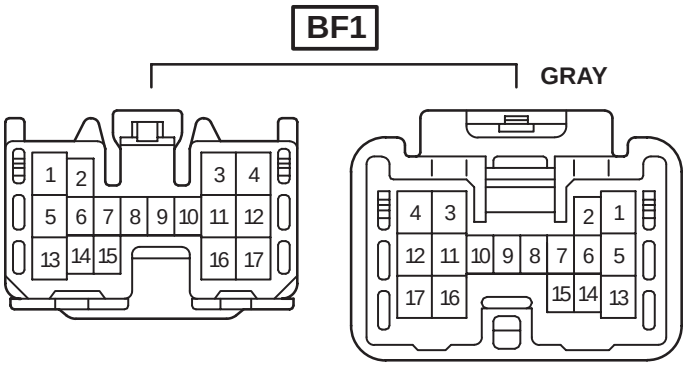
▭ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



Connector Joining Wire Harness and Wire Harness





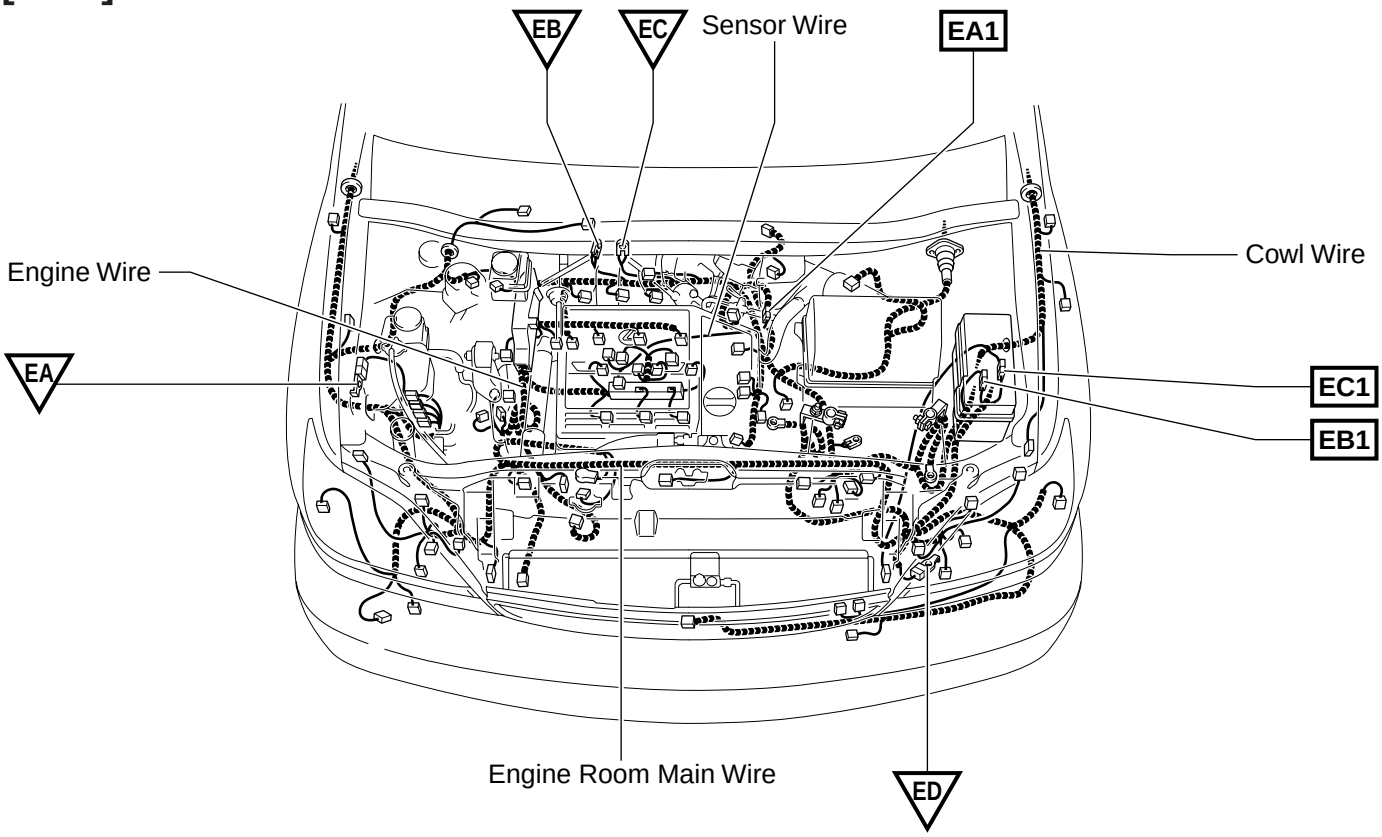
Code	Joining Wire Harness and Wire Harness (Connector Location)
BE1	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BF1	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

G ELECTRICAL WIRING ROUTING

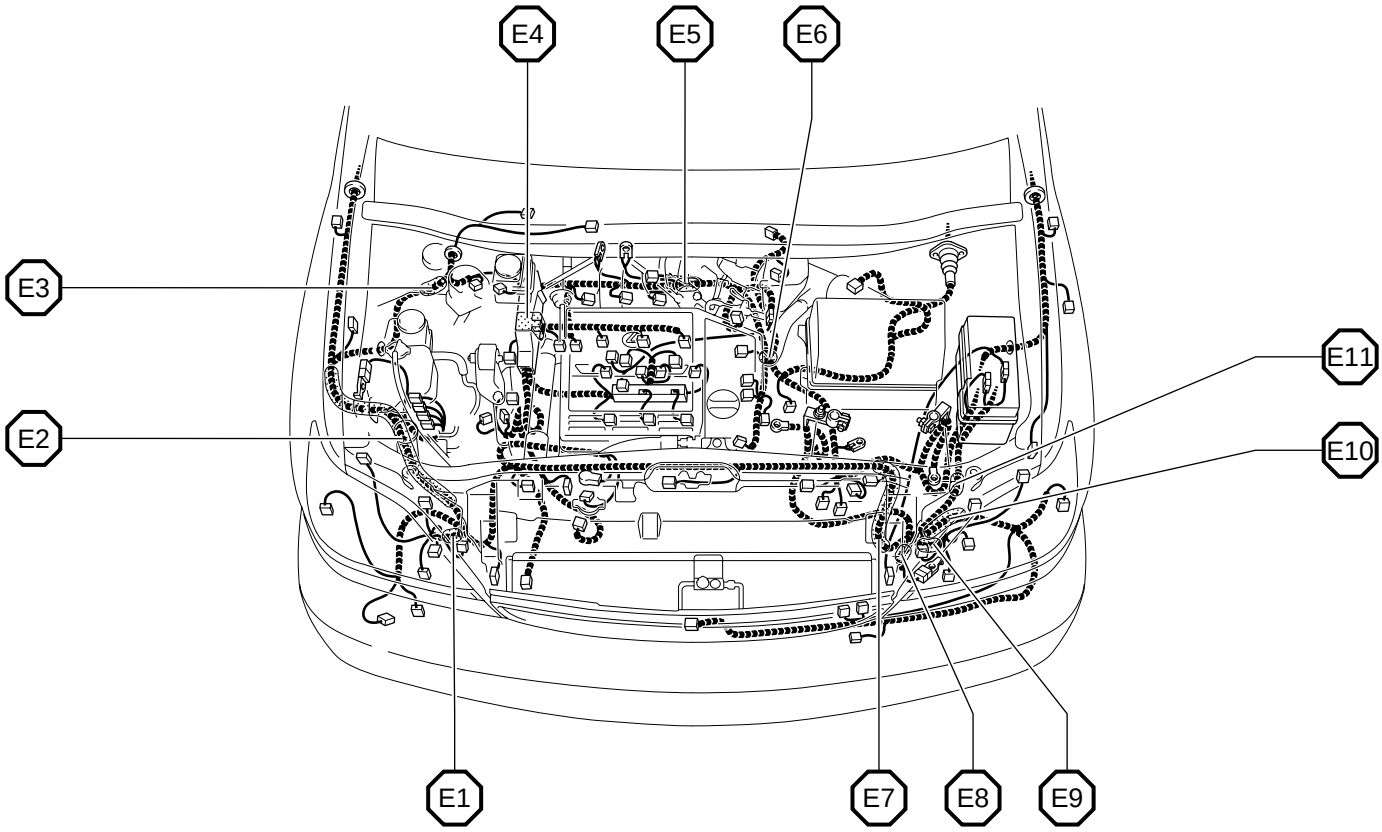
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

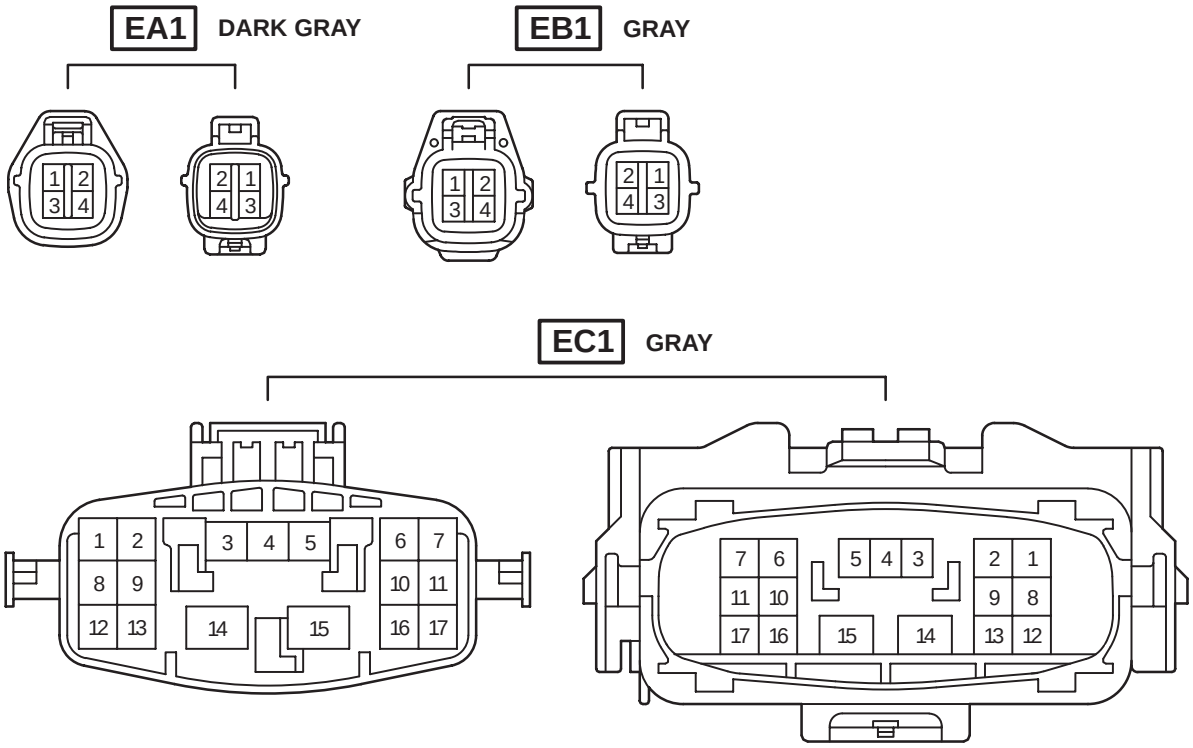
[RHD]



○ : Location of Splice Points



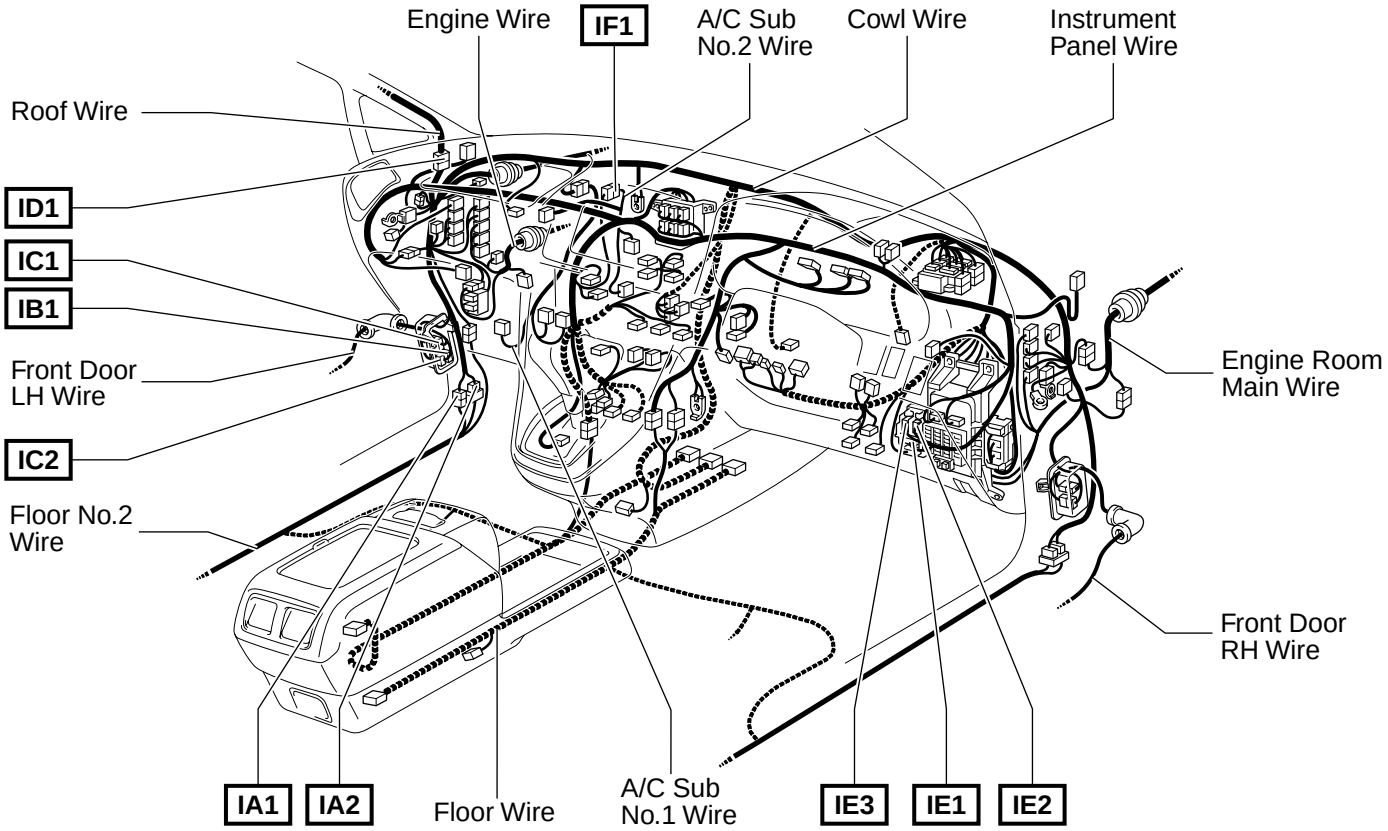
Connector Joining Wire Harness and Wire Harness



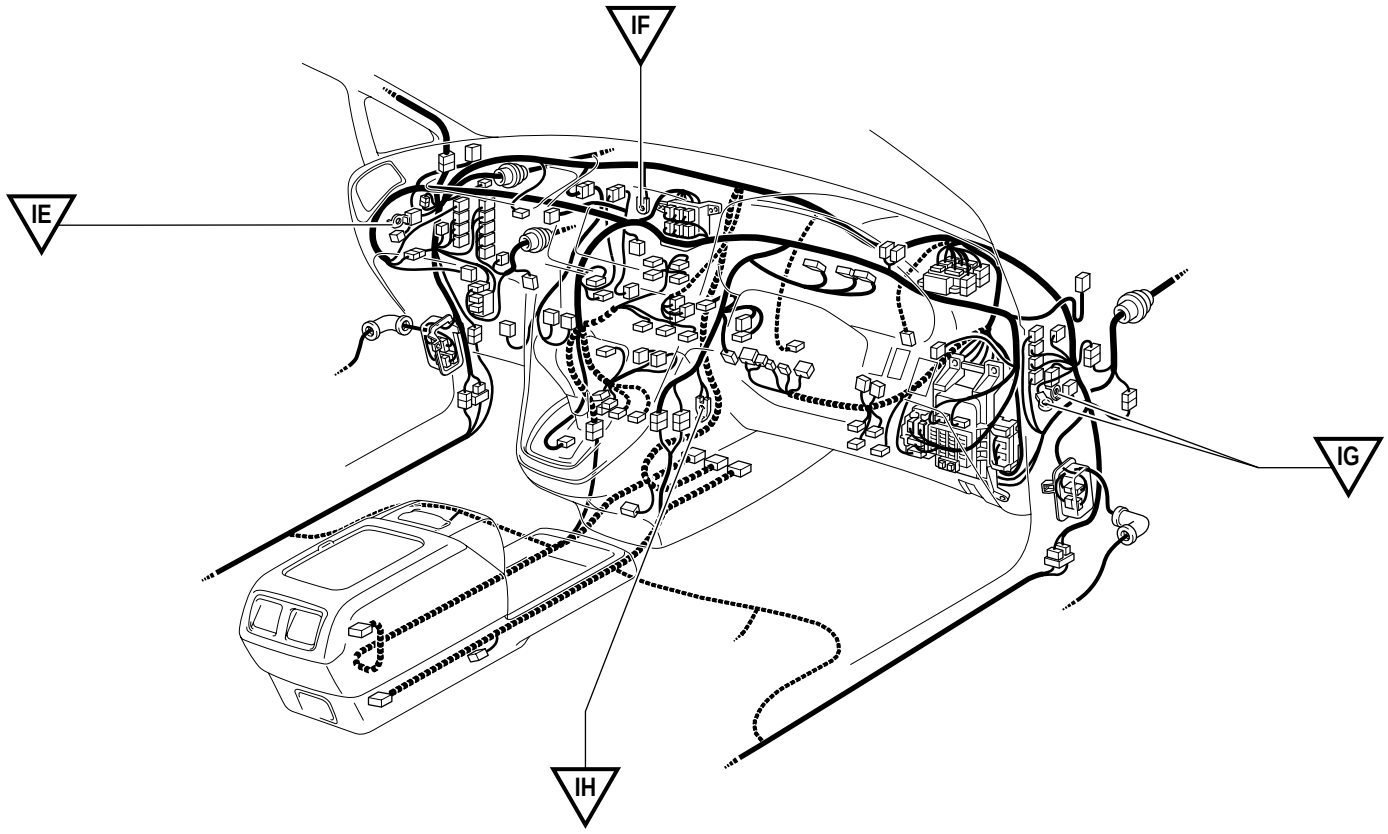
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Sensor Wire (Head Cover RH)
EB1	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
EC1	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)

▭ : Location of Connector Joining Wire Harness and Wire Harness

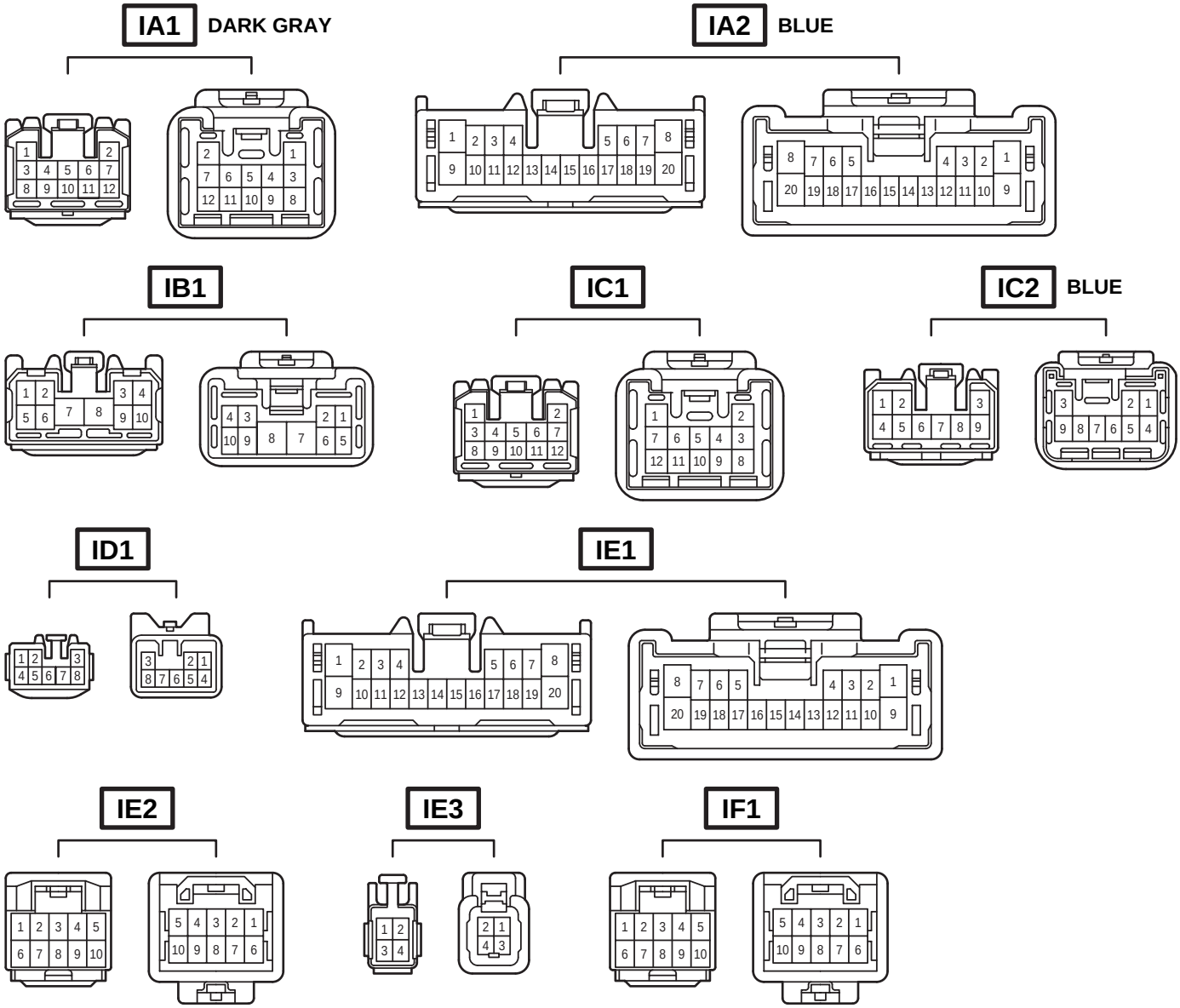
[RHD]



▽ : Location of Ground Points



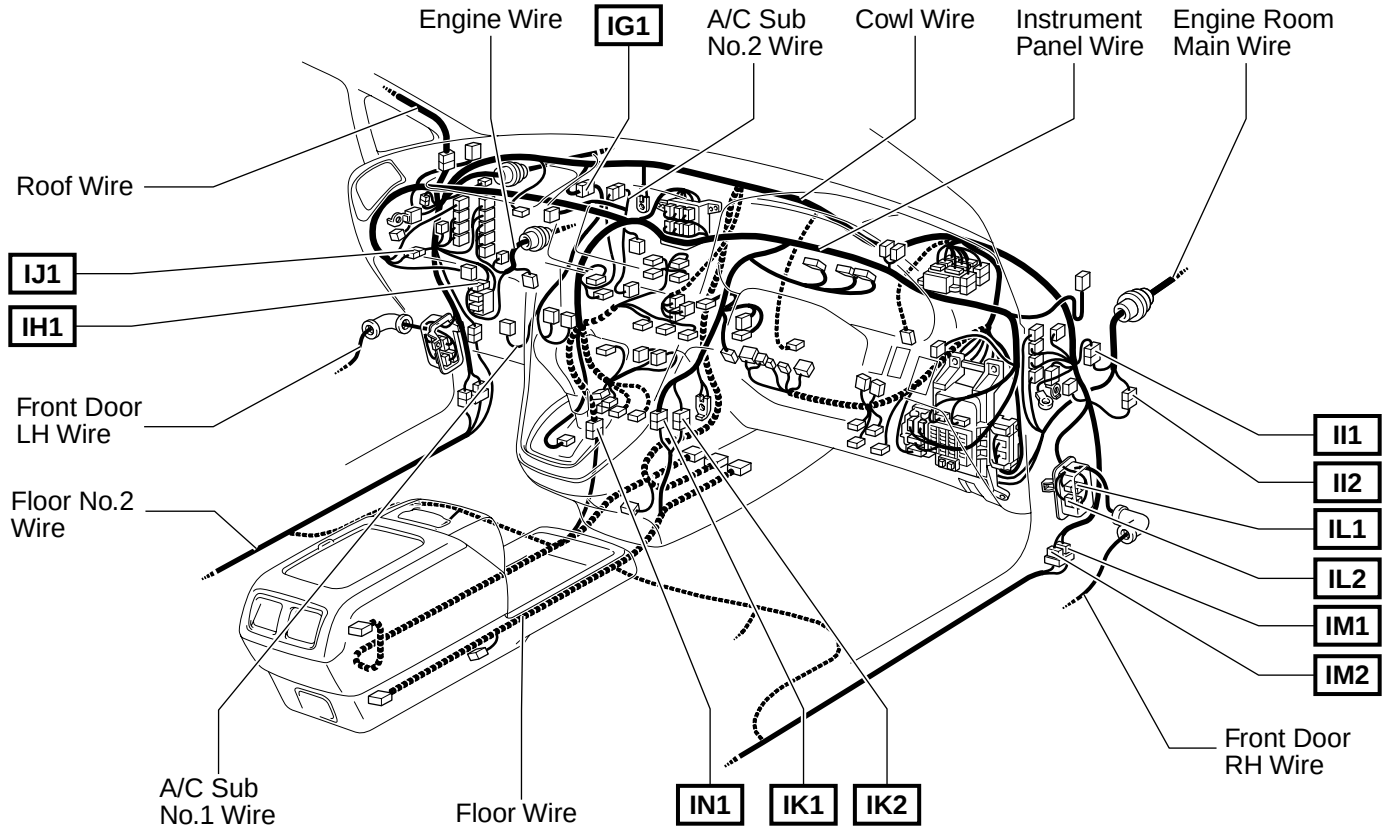
Connector Joining Wire Harness and Wire Harness



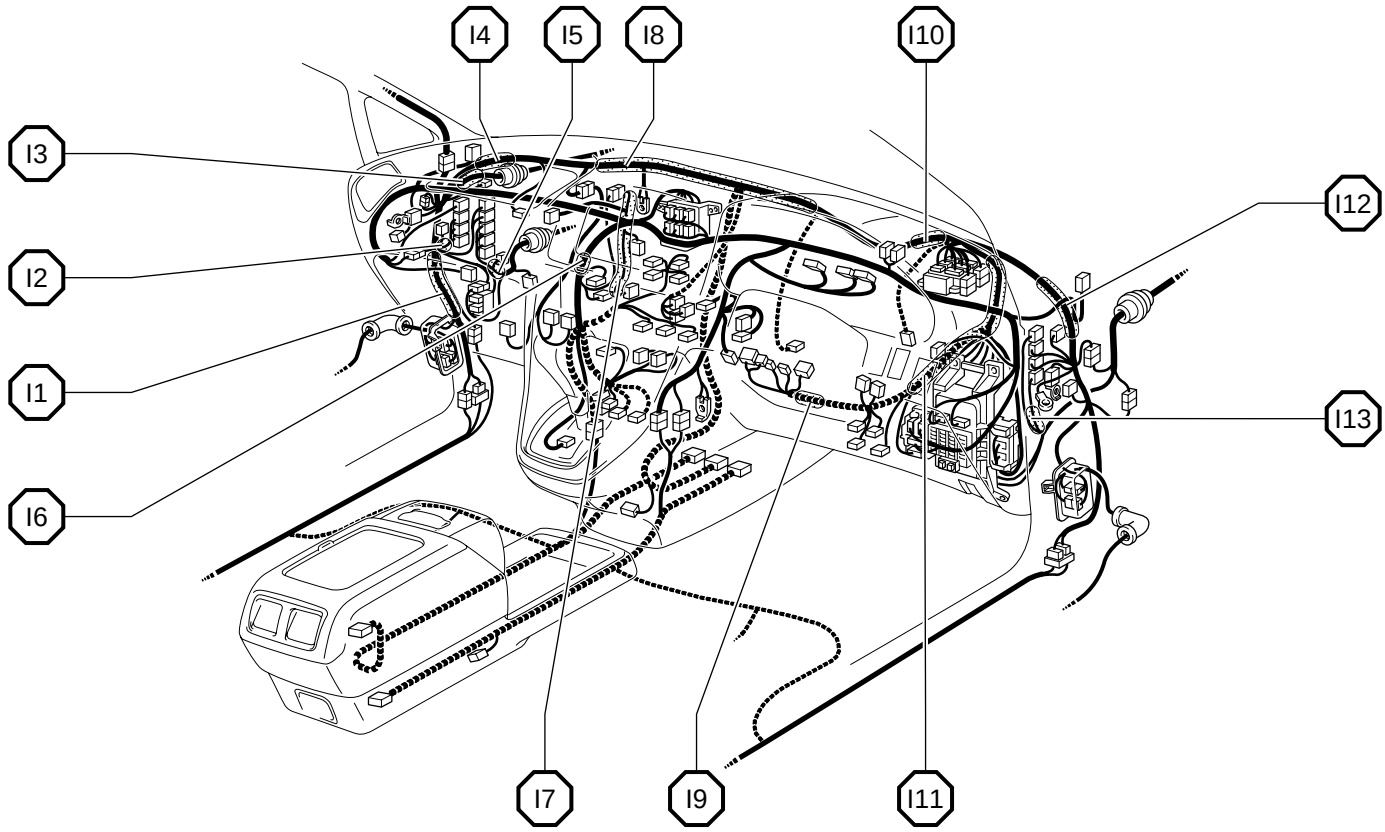
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2	
IB1	Floor No.2 Wire and Cowl Wire (Left Kick Panel)
IC1	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2	
ID1	Roof Wire and Cowl Wire (Left Side of the Instrument Panel)
IE1	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IE2	
IE3	
IF1	Instrument Panel Wire and A/C Sub No.2 Wire (Instrument Panel Brace RH)

▭ : Location of Connector Joining Wire Harness and Wire Harness

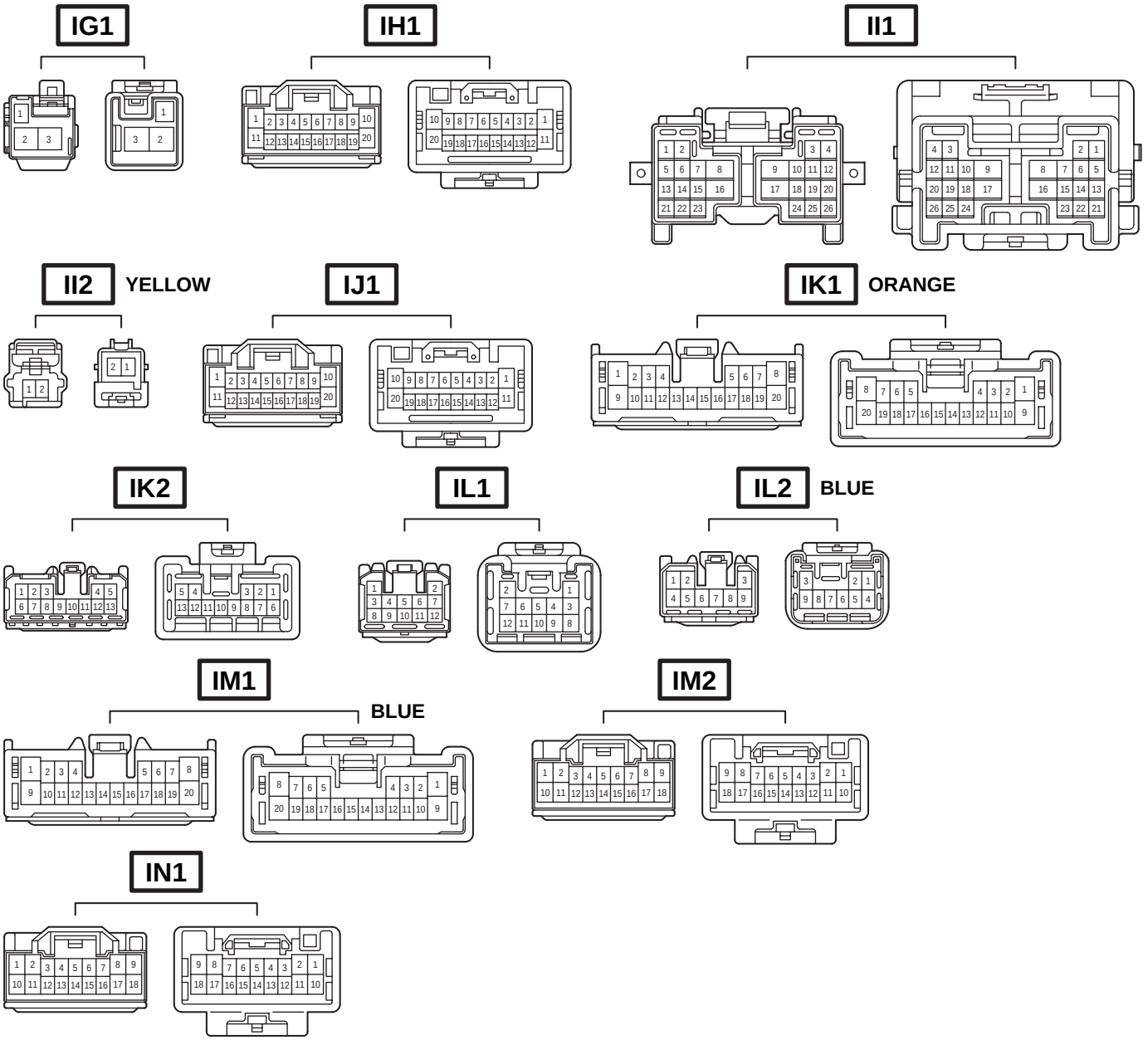
[RHD]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

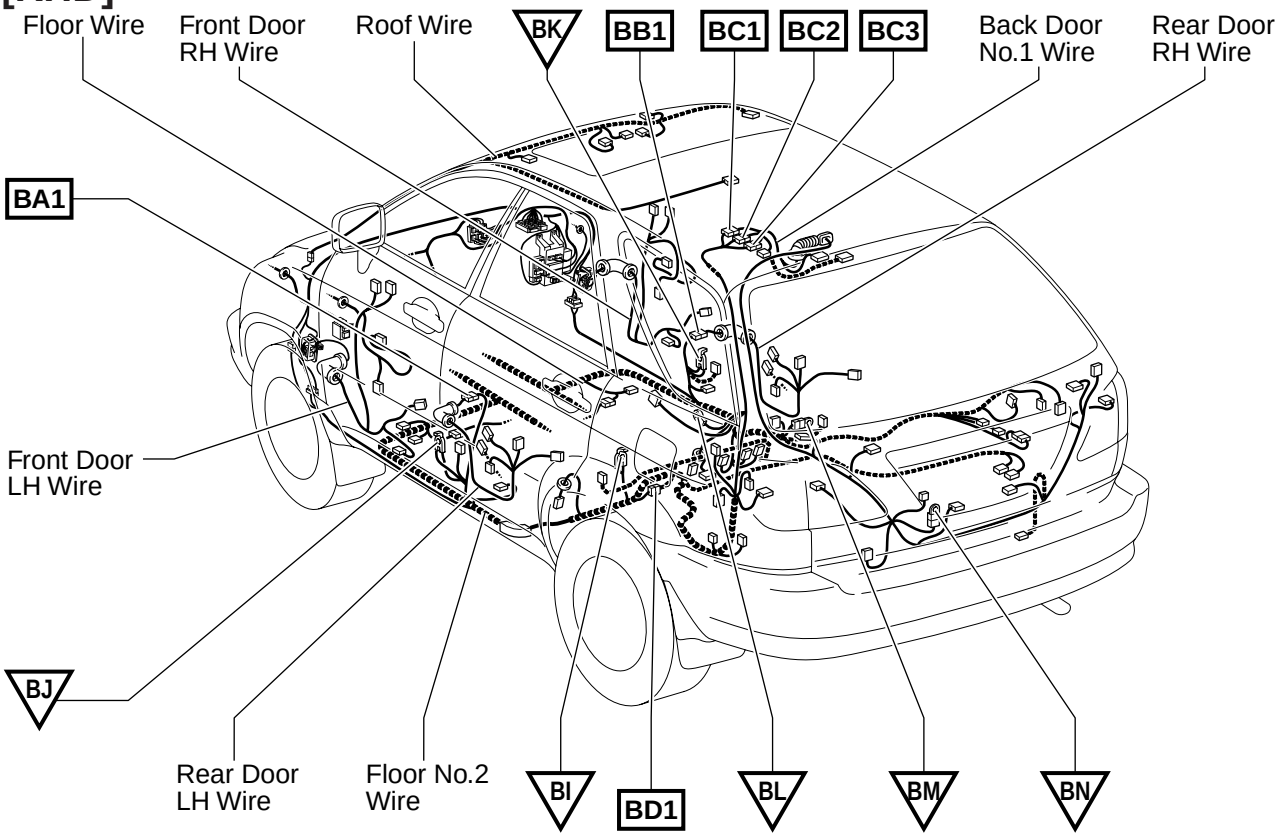


Code	Joining Wire Harness and Wire Harness (Connector Location)
IG1	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IH1	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
II2	
IJ1	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IK2	
IL1	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL2	
IM1	Cowl Wire and Floor Wire (Right Kick Panel)
IM2	
IN1	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)

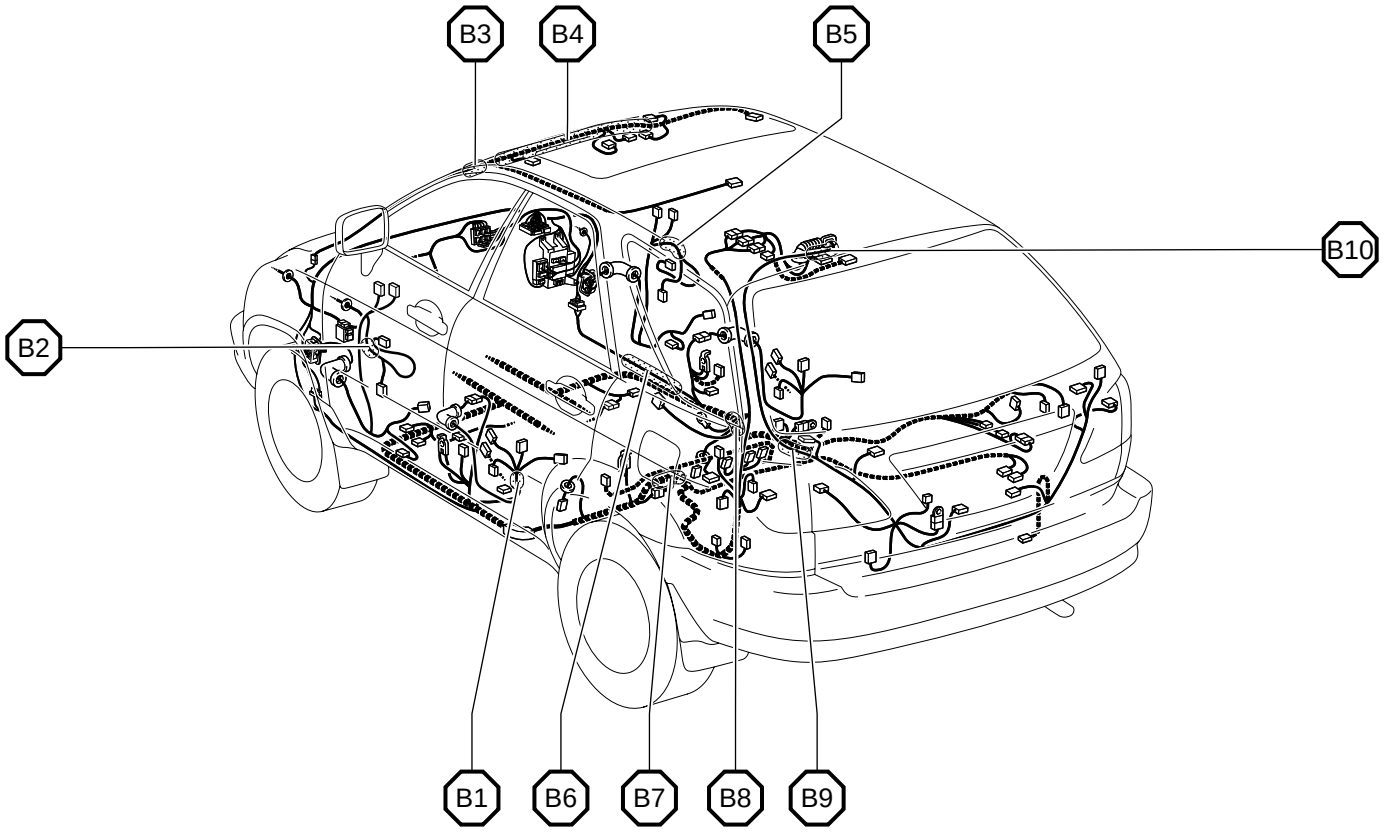
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

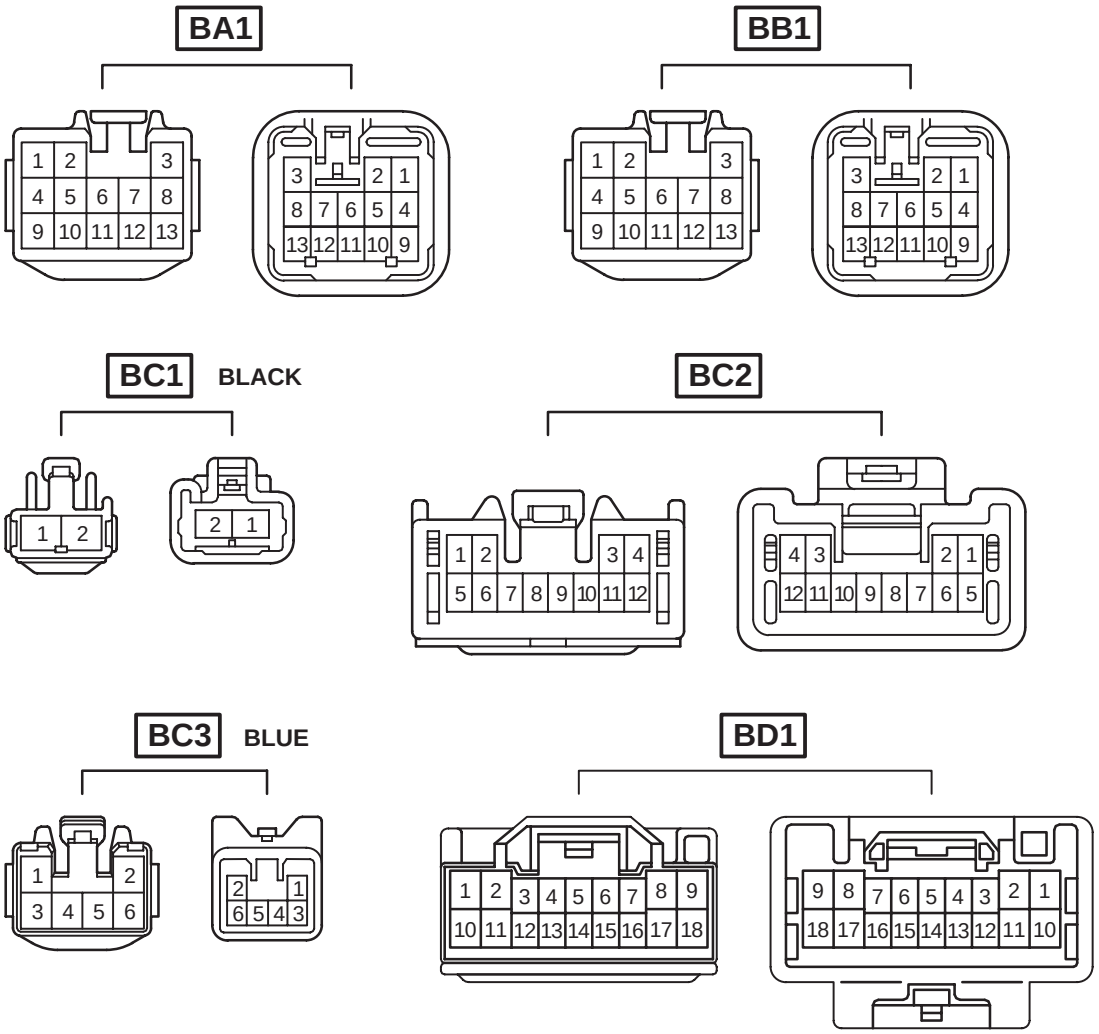
[RHD]



○ : Location of Splice Points



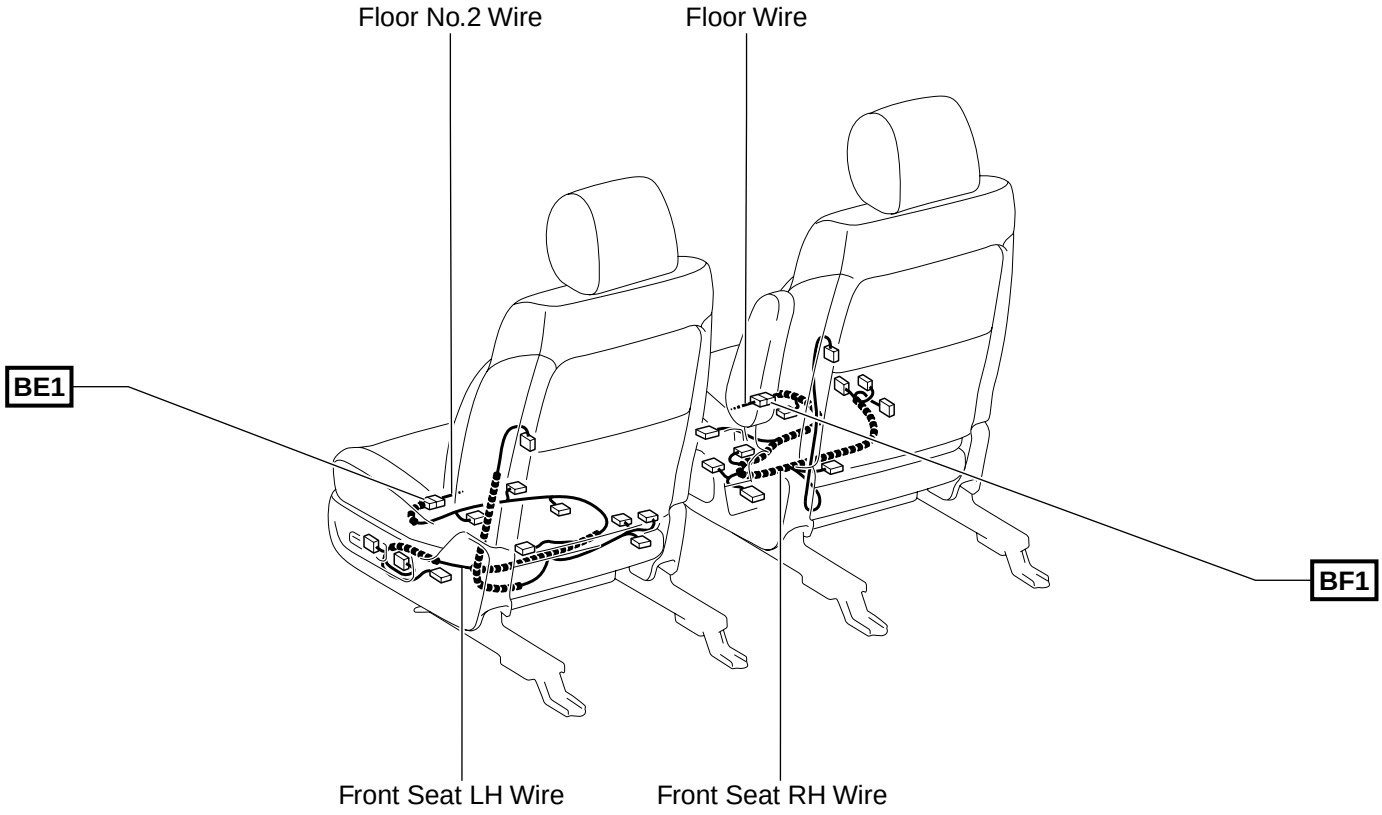
Connector Joining Wire Harness and Wire Harness



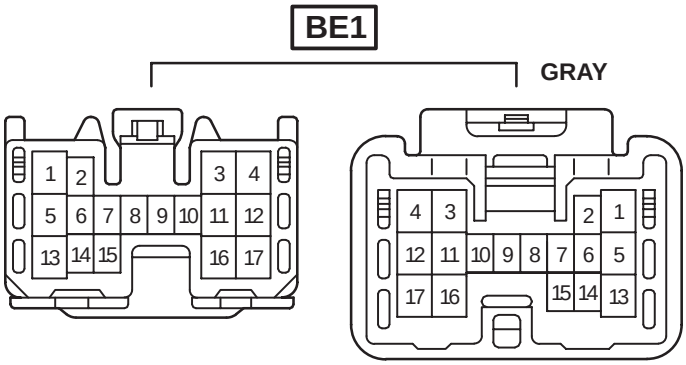
Code	Joining Wire Harness and Wire Harness (Connector Location)
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BC2	
BC3	
BD1	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

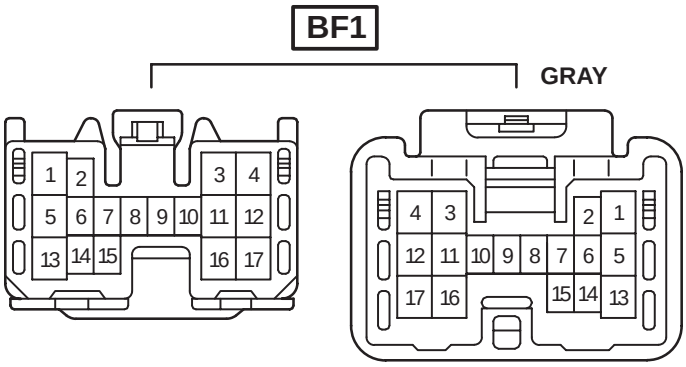
▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



Connector Joining Wire Harness and Wire Harness





Code	Joining Wire Harness and Wire Harness (Connector Location)
BE1	Floor No.2 Wire and Front Seat LH Wire (Under the Front Passenger's Seat)
BF1	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

RX 300
ELECTRICAL WIRING DIAGRAM
SYSTEM CIRCUITS

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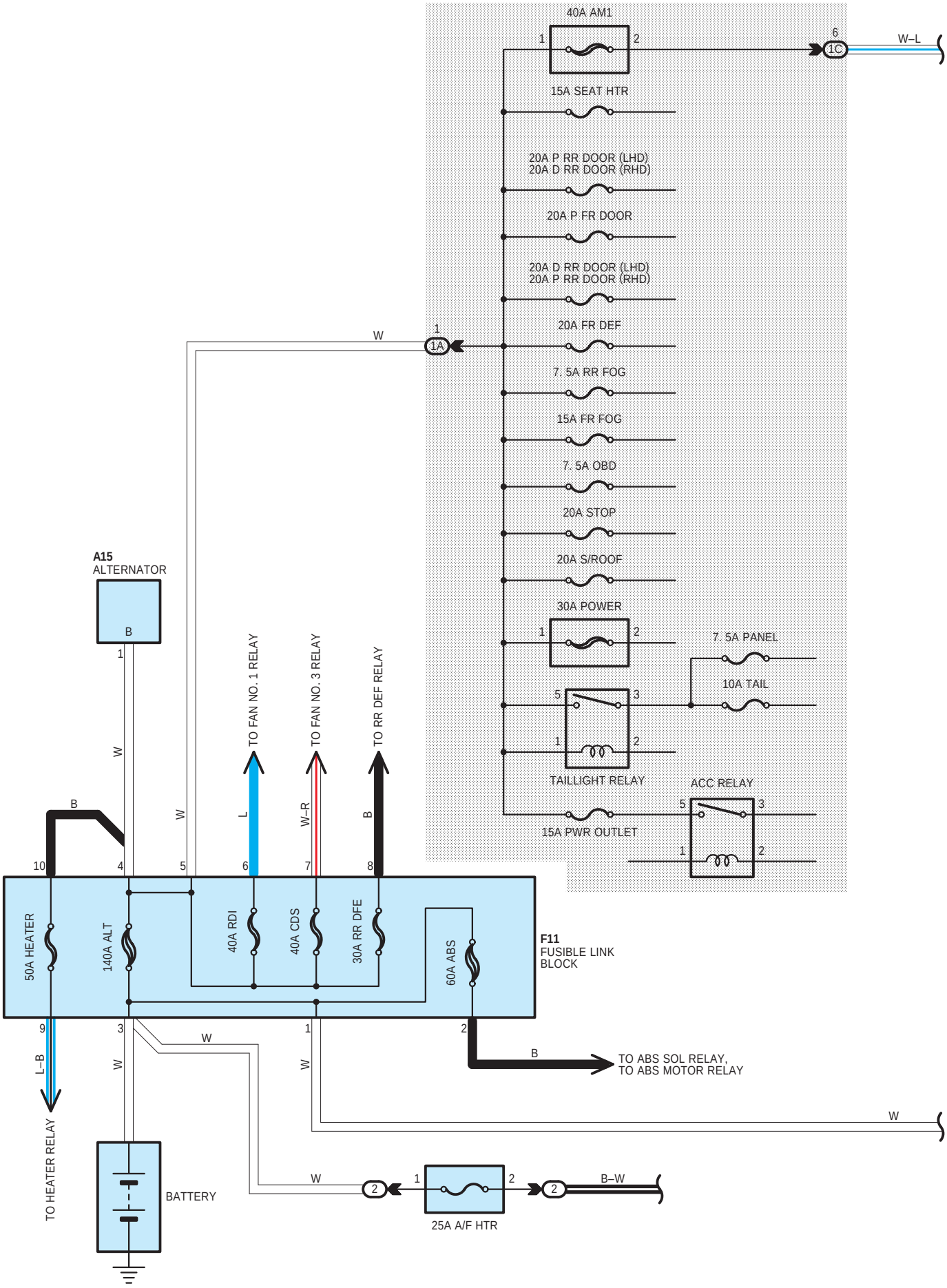
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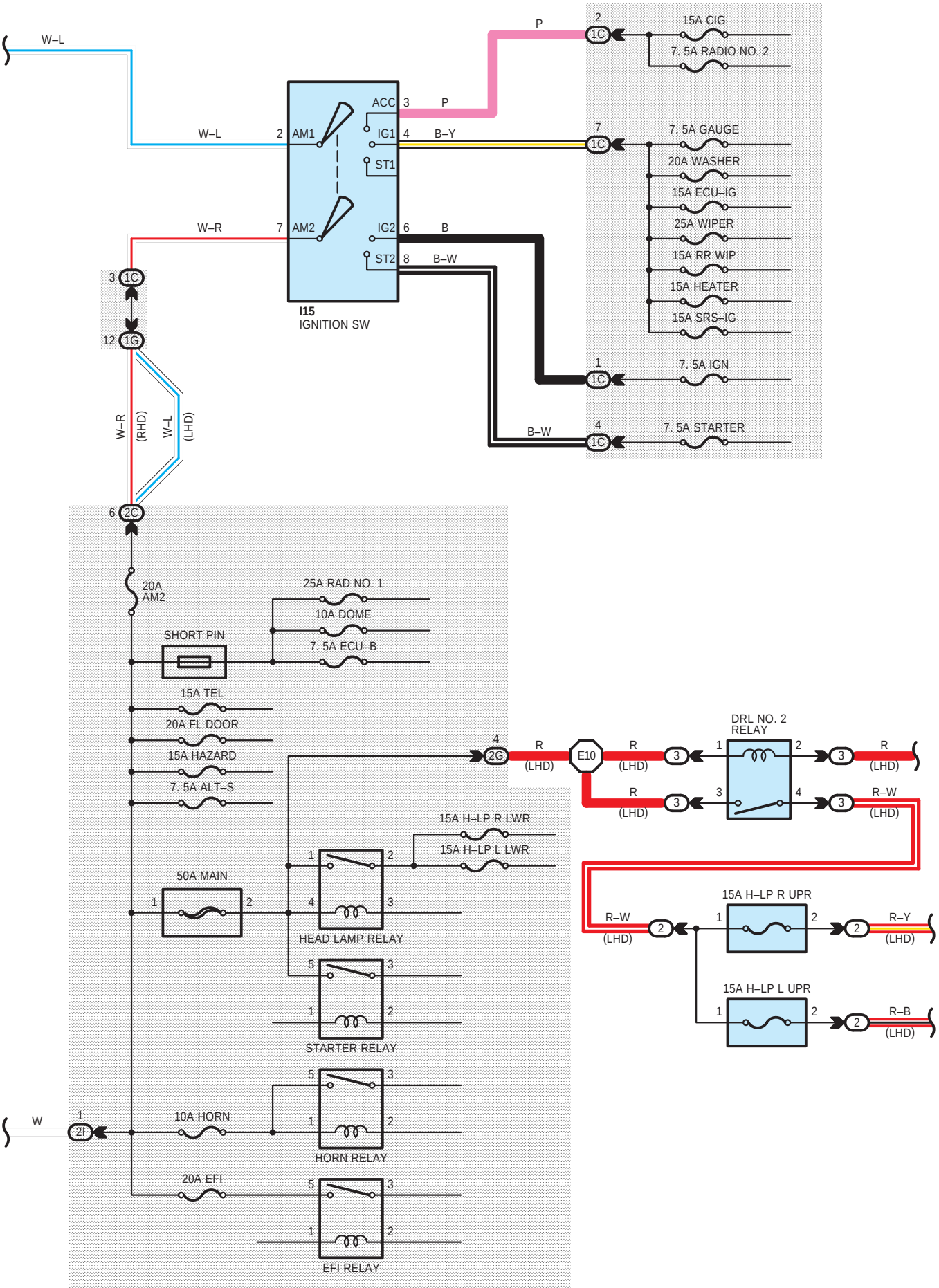
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VSC	360
ZIGARETTENANZÜNDER	200


40A AM1
1
2
6
1C
W–L
15A SEAT HTR
20A P RR DOOR (LHD)
20A D RR DOOR (RHD)
20A P FR DOOR
20A D RR DOOR (LHD)
20A P RR DOOR (RHD)
20A FR DEF
W
1
1A
7. 5A RR FOG
15A FR FOG
7. 5A OBD
20A STOP
20A S/ROOF
30A POWER
7. 5A PANEL
10A TAIL
TAILLIGHT RELAY
ACC RELAY
15A PWR OUTLET
A15
ALTERNATOR
B
TO FAN NO. 1 RELAY
TO FAN NO. 3 RELAY
TO RR DEF RELAY
W
L
W–R
B
10
4
5
6
7
8
50A HEATER
140A ALT
40A RDI
40A CDS
30A RR DFE
60A ABS
F11
FUSIBLE LINK
BLOCK
9
3
1
2
L–B
W
B
TO ABS SOL RELAY,
TO ABS MOTOR RELAY
TO HEATER RELAY
BATTERY
25A A/F HTR
B–W


W–L
W–L
2 AM1
ACC 3 P
IG1 4 B–Y
ST1
W–R
7 AM2
IG2 6 B
ST2 8 B–W
I15
IGNITION SW
P
2 1C
15A CIG
7. 5A RADIO NO. 2
7 1C
7. 5A GAUGE
20A WASHER
15A ECU–IG
25A WIPER
15A RR WIP
15A HEATER
15A SRS–IG
1 1C
7. 5A IGN
B–W
4 1C
7. 5A STARTER
3 1C
12 1G
W–R (RHD)
W–L (LHD)
6 2C
20A AM2
SHORT PIN
25A RAD NO. 1
10A DOME
7. 5A ECU–B
15A TEL
20A FL DOOR
15A HAZARD
7. 5A ALT–S
4 2G
R (LHD)
E10
R (LHD)
3
1
2
3
R (LHD)
DRL NO. 2 RELAY
R (LHD)
3
3
3
4
3
R–W (LHD)
15A H–LP R LWR
15A H–LP L LWR
50A MAIN
1
2
1
2
4
3
HEAD LAMP RELAY
5
3
1
2
STARTER RELAY
R–W (LHD)
2
15A H–LP R UPR
1
2
2
R–Y (LHD)
15A H–LP L UPR
1
2
2
R–B (LHD)
W
1 2I
10A HORN
5
3
1
2
HORN RELAY
20A EFI
5
3
1
2
EFI RELAY

POWER SOURCE

SERVICE HINTS

HEAD LAMP RELAY

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

TAILLIGHT RELAY

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

I15 IGNITION SW

2–3 : Closed with the ignition SW at **ACC** or **ON** position
2–4 : Closed with the ignition SW at **ON** or **ST** position
7–6 : Closed with the ignition SW at **ON** or **ST** position
7–8 : Closed with the ignition SW at **ST** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A15	90 (LHD)	F11	90 (LHD)	I15	93 (LHD)
	98 (RHD)		98 (RHD)		101 (RHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)
3	88	R/B No.3 (Engine Compartment Front Left)

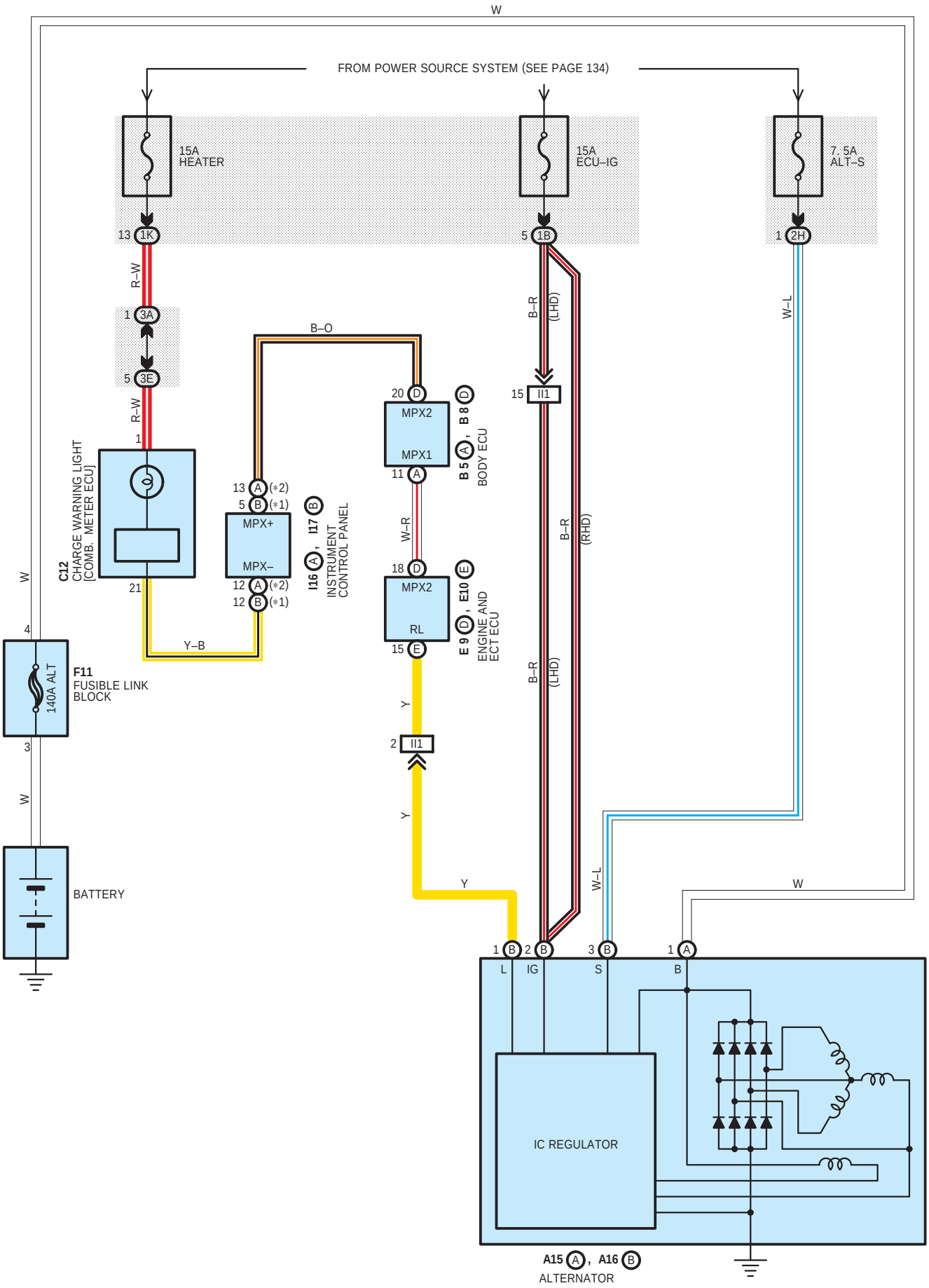
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1C	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1G	78 (LHD)	
	80 (RHD)	
2C	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2G	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E10	106 (LHD)	Engine Room Main Wire			

∗ 1 : RHD EUROPE, LHD
∗ 2 : EXCEPT ∗1



SERVICE HINTS

A16 (B) ALTERNATOR

(B) 1–GROUND : **13.2**–**14.0** volts with the engine running at **5000** rpm and **115**˚C (**239**˚F)

(B) 2–GROUND : **0**–**4** volts with the ignition SW at **ON** position and engine not running

: PARTS LOCATION

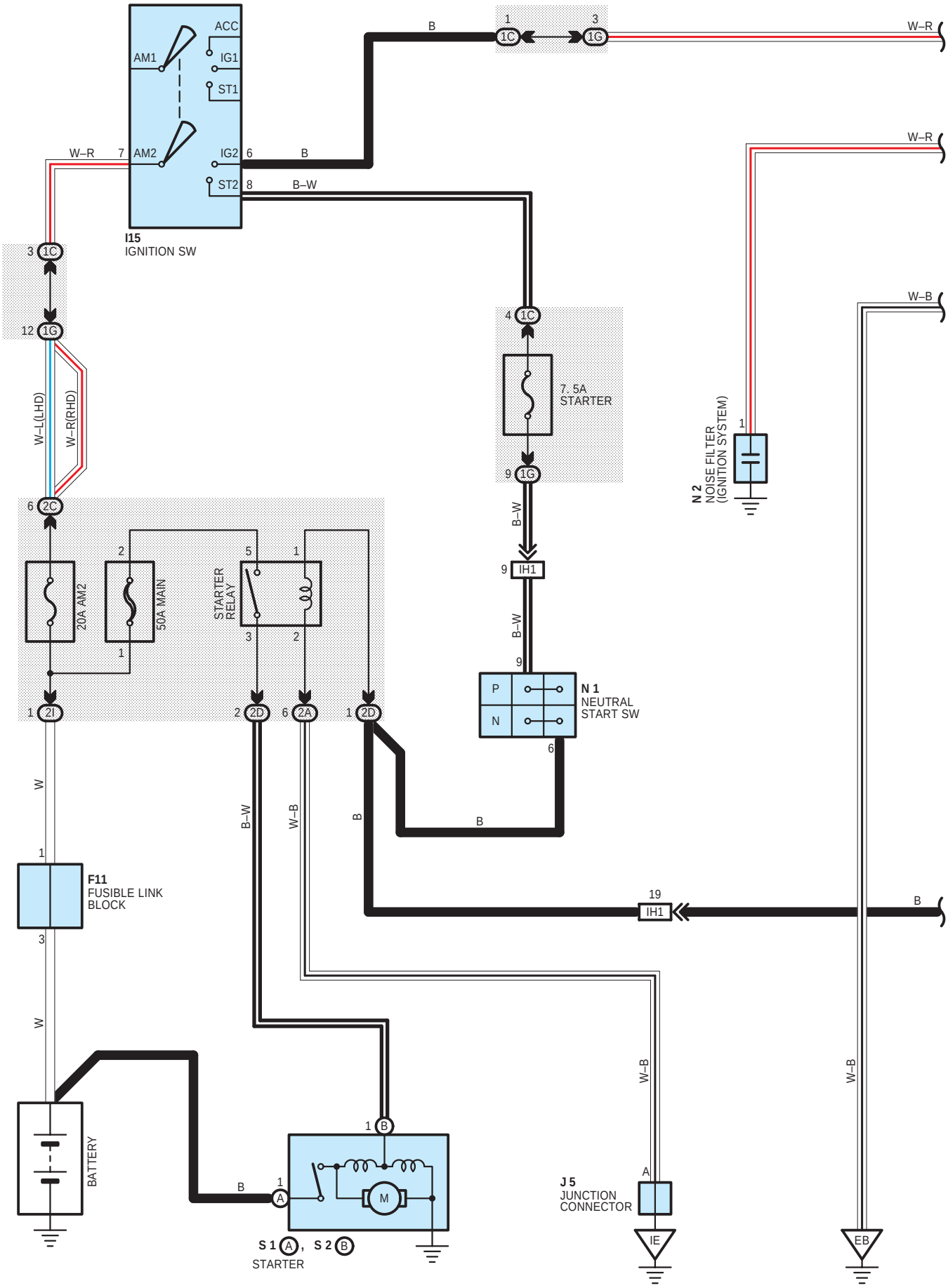
Code		See Page	Code		See Page	Code		See Page
A15	A	90 (LHD)	B8	D	100 (RHD)	F11		90 (LHD)
		98 (RHD)	C12		92 (LHD)			98 (RHD)
A16	B	90 (LHD)			100 (RHD)	I16	A	101 (RHD)
		98 (RHD)	E9	D	92 (LHD)	I17	B	93 (LHD)
B5	A	92 (LHD)			100 (RHD)			101 (RHD)
		100 (RHD)	E10	E	92 (LHD)			
B8	D	92 (LHD)			100 (RHD)			

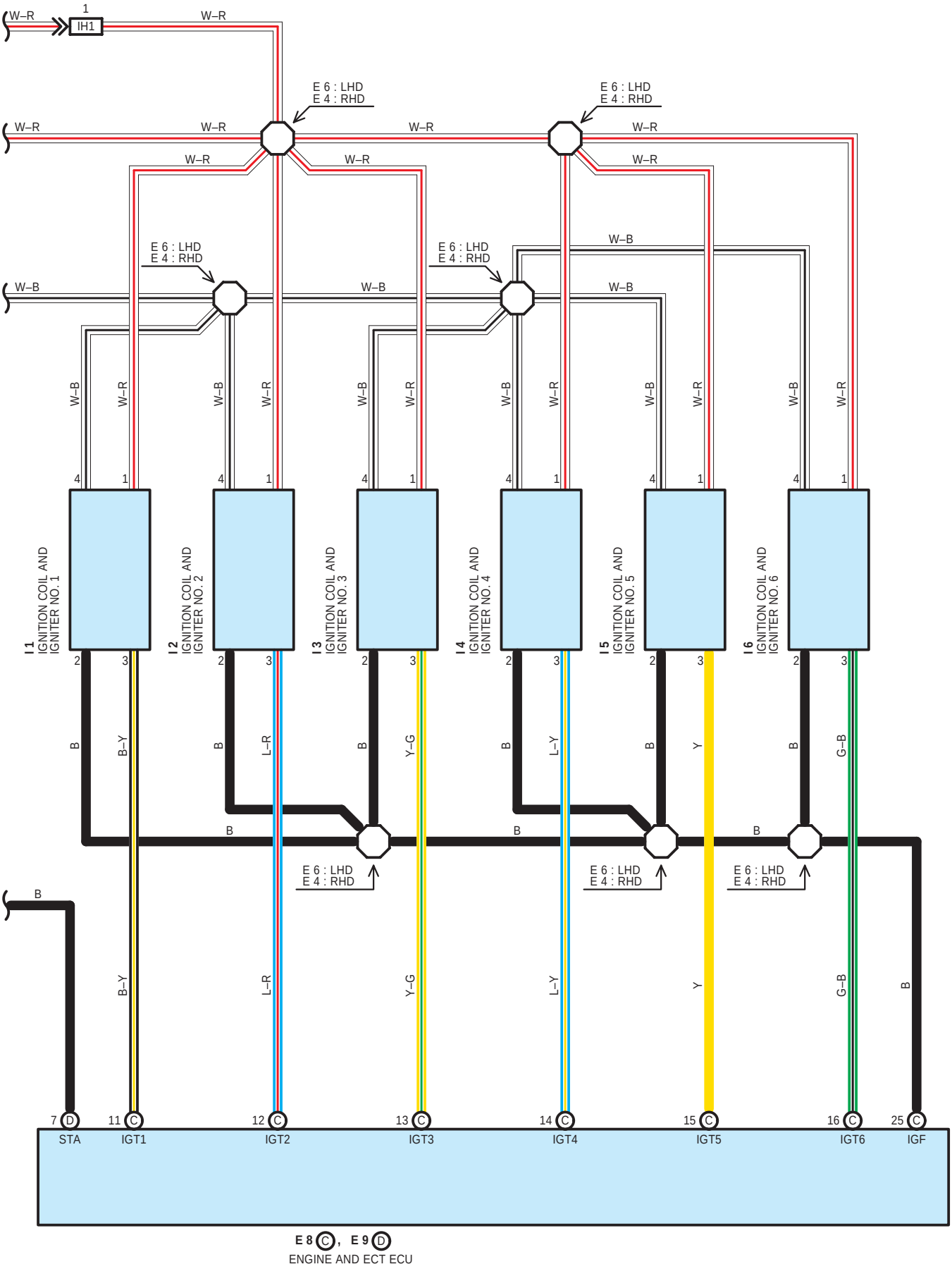
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2H	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	


ACC
AM1
IG1
ST1
AM2
IG2
ST2
I15
IGNITION SW
W–R
B
B–W
1C
1G
2C
2I
2D
2A
IH1
20A AM2
50A MAIN
STARTER RELAY
7. 5A STARTER
W–L(LHD)
W–R(RHD)
N 2
NOISE FILTER (IGNITION SYSTEM)
W–B
N 1
NEUTRAL START SW
P
N
F11
FUSIBLE LINK BLOCK
W
BATTERY
S 1 A , S 2 B
STARTER
M
J 5
JUNCTION CONNECTOR
IE
EB


W–R
1
IH1
W–R
E 6 : LHD
E 4 : RHD
W–B
W–R
B
B–Y
L–R
Y–G
L–Y
Y
G–B
I 1
IGNITION COIL AND
IGNITER NO. 1
I 2
IGNITION COIL AND
IGNITER NO. 2
I 3
IGNITION COIL AND
IGNITER NO. 3
I 4
IGNITION COIL AND
IGNITER NO. 4
I 5
IGNITION COIL AND
IGNITER NO. 5
I 6
IGNITION COIL AND
IGNITER NO. 6
7 D STA
11 C IGT1
12 C IGT2
13 C IGT3
14 C IGT4
15 C IGT5
16 C IGT6
25 C IGF
E 8 C , E 9 D
ENGINE AND ECT ECU

SERVICE HINTS

I15 IGNITION SW

7–6 : Closed with the ignition SW at **ON** or **ST** position
7–8 : Closed with the ignition SW at **ST** position

N1 NEUTRAL START SW

5–6 : Closed with the A/T shift lever in **P** or **N** position

S1 (A), S2 (B) STARTER

Points closed with the Park/Neutral position SW at **P** or **N** position and ignition SW at **ST** position

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
E8	C	92 (LHD) 100 (RHD)	I3	91 (LHD) 99 (RHD)	J5		93 (LHD) 101 (RHD)
E9	D	92 (LHD) 100 (RHD)	I4	91 (LHD) 99 (RHD)	N1		91 (LHD) 99 (RHD)
F11		90 (LHD) 98 (RHD)	I5	91 (LHD) 99 (RHD)	N2		91 (LHD) 99 (RHD)
I1		91 (LHD) 99 (RHD)	I6	91 (LHD) 99 (RHD)	S1	A	91 (LHD) 99 (RHD)
I2		91 (LHD) 99 (RHD)	I15	93 (LHD) 101 (RHD)	S2	B	91 (LHD) 99 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	78 (LHD) 80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G	78 (LHD) 80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D	82	Engine Wire and Engine Room J/B (Engine Compartment Left)
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

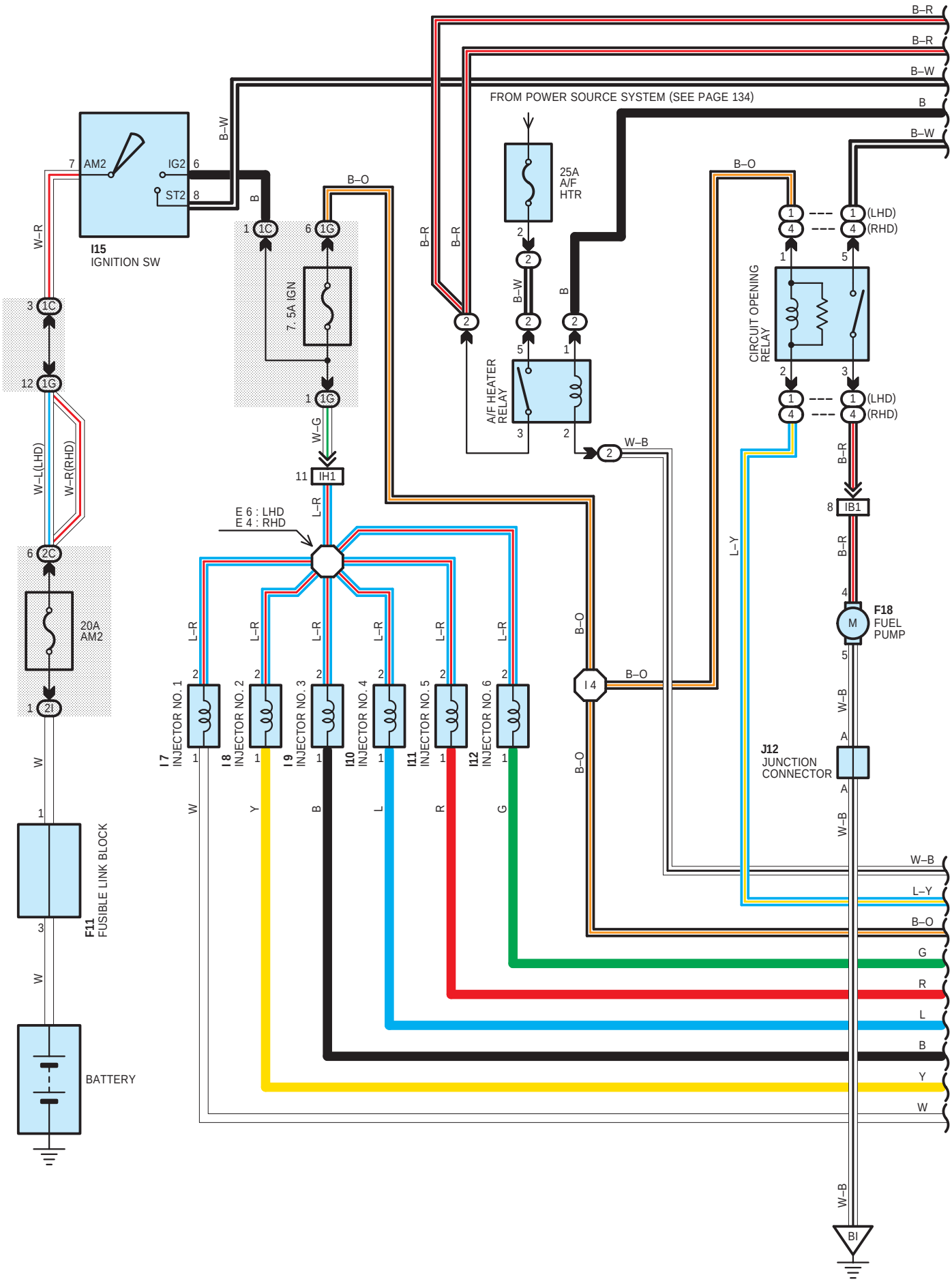
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IH1	110 (LHD) 120 (RHD)	Engine Wire and Cowl Wire (Behind the Glove Box)

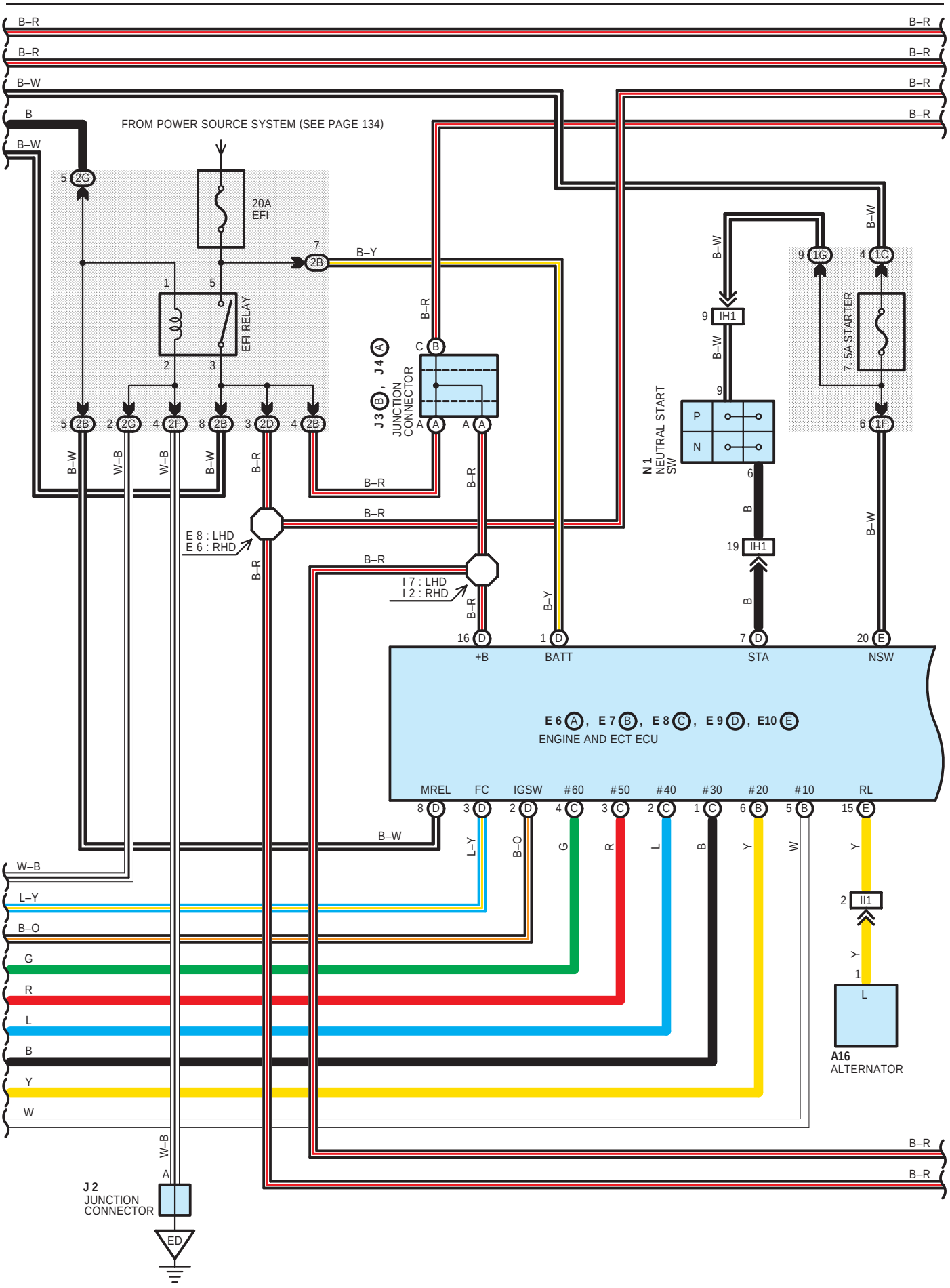
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	106 (LHD) 116 (RHD)	Surge Tank RH
IE	108 (LHD) 118 (RHD)	Cowl Side Panel LH

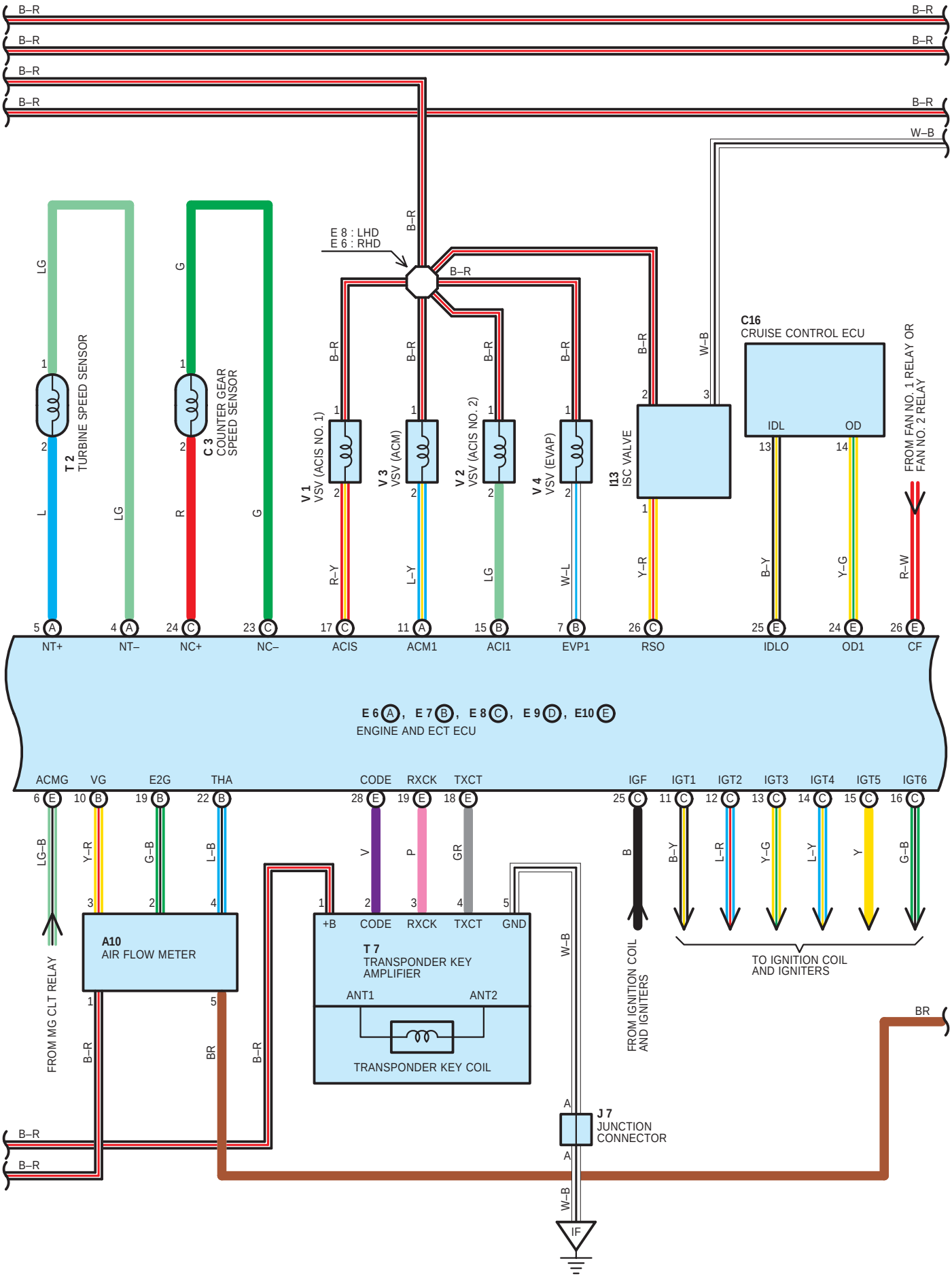
: SPLICE POINTS

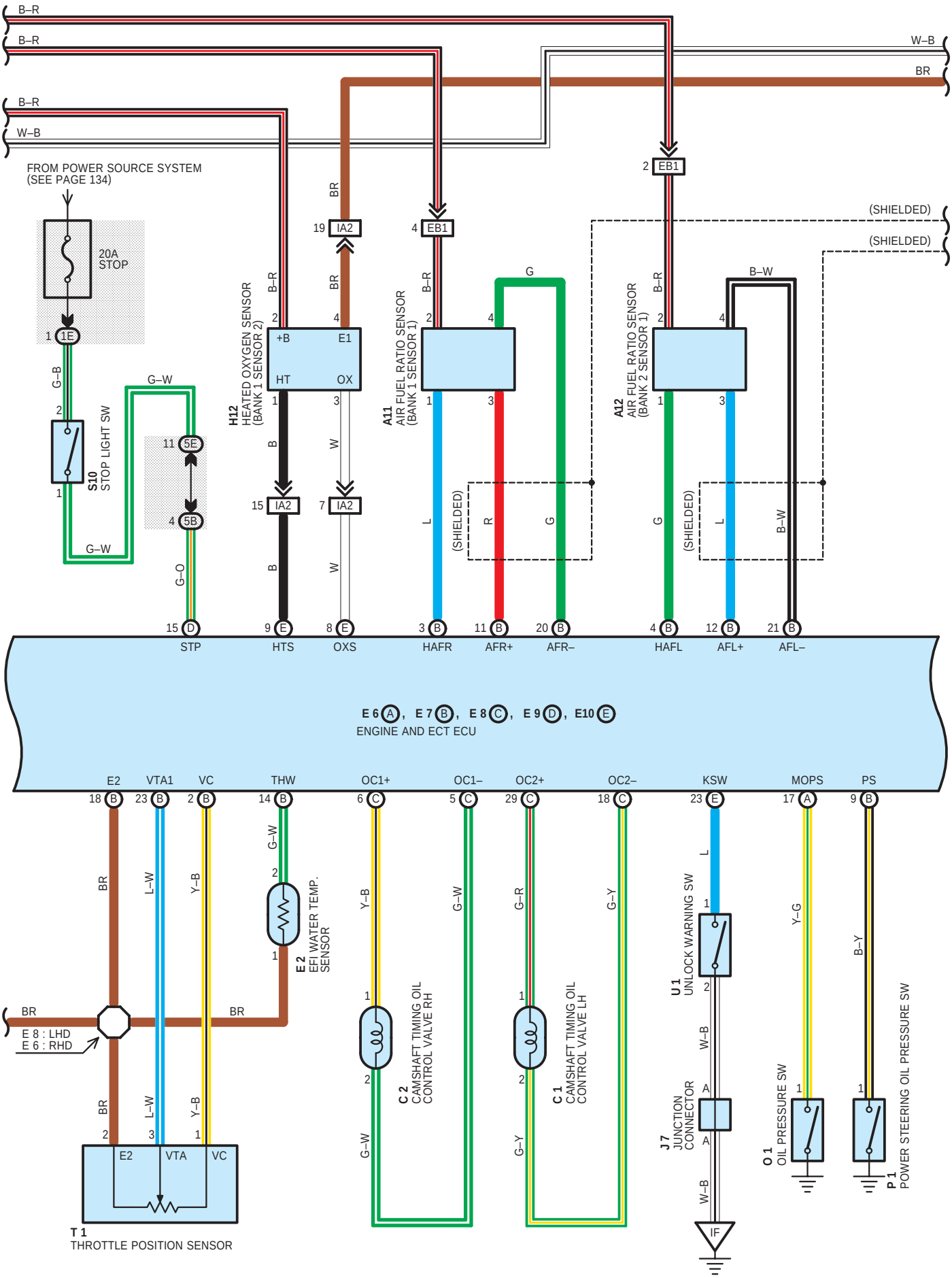
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	116 (RHD)	Engine Wire	E6	106 (LHD)	Engine Wire

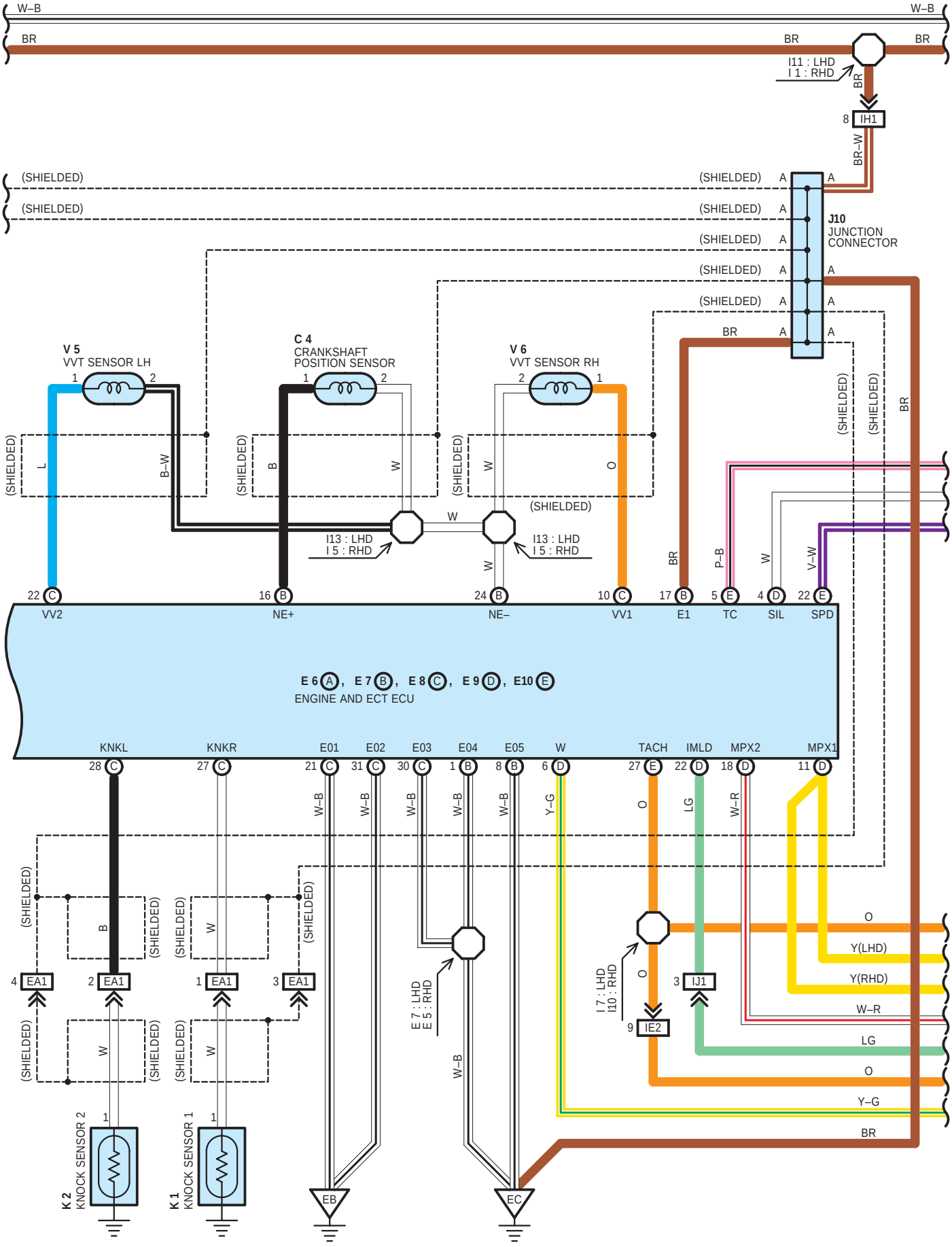

FROM POWER SOURCE SYSTEM (SEE PAGE 134)
I15
IGNITION SW
AM2
IG2
ST2
7. 5A IGN
25A
A/F
HTR
A/F HEATER
RELAY
CIRCUIT OPENING
RELAY
(LHD)
(RHD)
IH1
IB1
E 6 : LHD
E 4 : RHD
20A
AM2
F11
FUSIBLE LINK BLOCK
BATTERY
I7
INJECTOR NO. 1
I8
INJECTOR NO. 2
I9
INJECTOR NO. 3
I10
INJECTOR NO. 4
I11
INJECTOR NO. 5
I12
INJECTOR NO. 6
I4
F18
FUEL
PUMP
J12
JUNCTION
CONNECTOR
B–R
B–W
B
B–O
W–R
W–L(LHD)
W–R(RHD)
W–G
L–R
L–Y
W–B
G
R
L
Y
W
BI

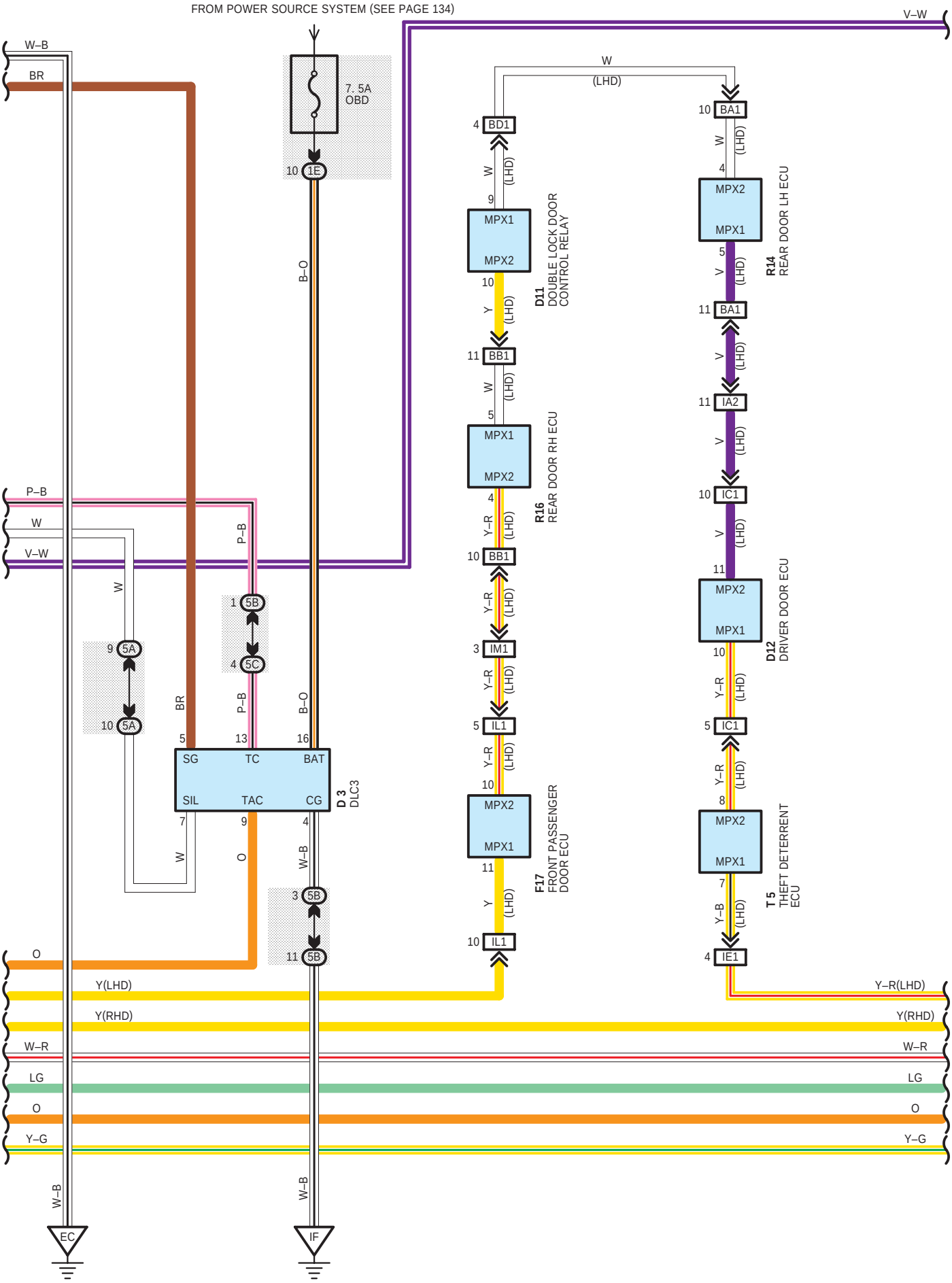

B–R
B–W
B
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
EFI
EFI RELAY
B–Y
J3 B, J4 A
JUNCTION CONNECTOR
N1
NEUTRAL START SW
P
N
7.5A STARTER
E 8 : LHD
E 6 : RHD
I 7 : LHD
I 2 : RHD
+B
BATT
STA
NSW
E6 A, E7 B, E8 C, E9 D, E10 E
ENGINE AND ECT ECU
MREL
FC
IGSW
#60
#50
#40
#30
#20
#10
RL
W–B
L–Y
B–O
G
R
L
B
Y
W
A16
ALTERNATOR
J2
JUNCTION CONNECTOR
ED

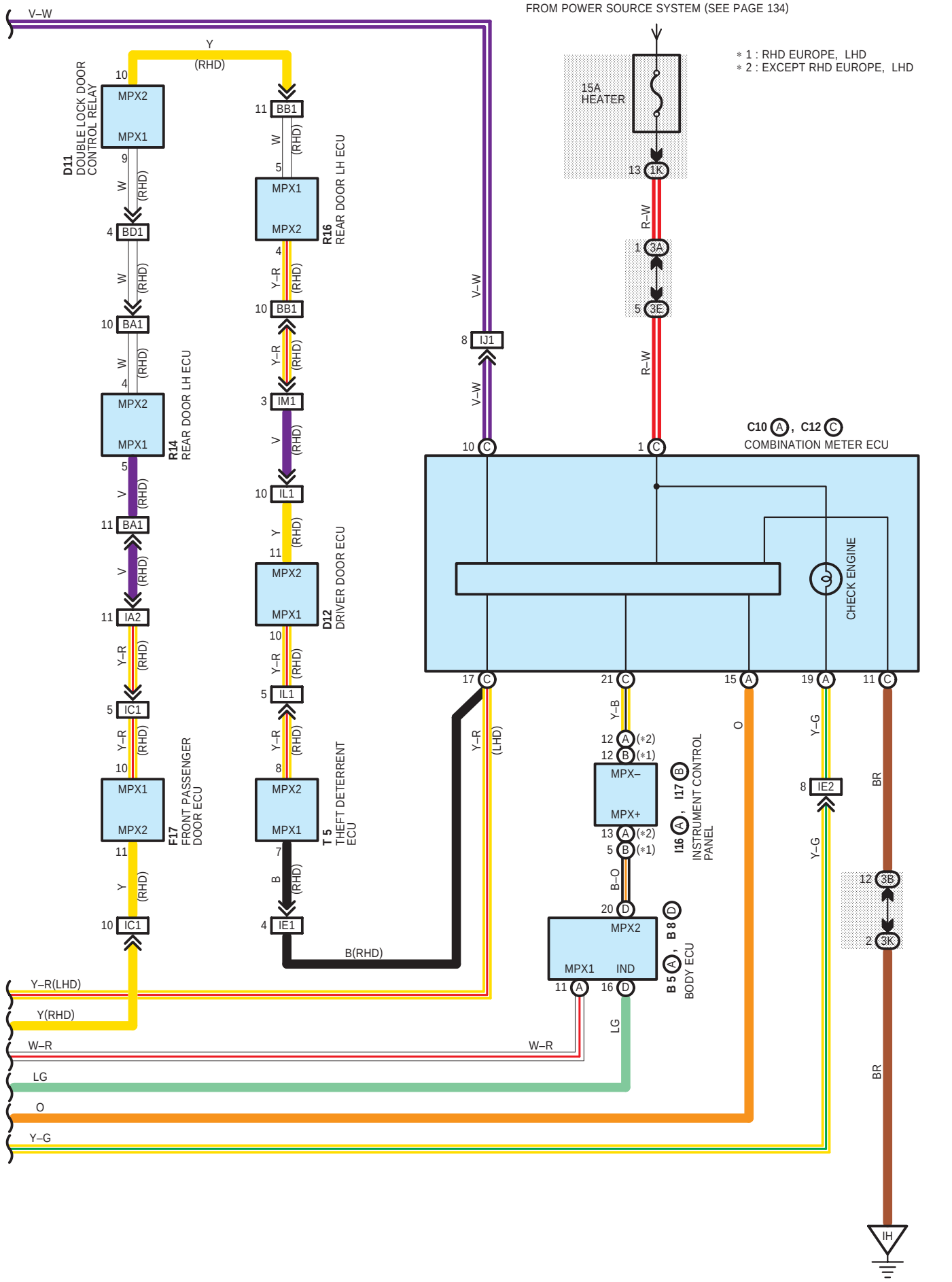
ENGINE CONTROL AND ENGINE IMMOBILISER SYSTEM




B–R
B–R
W–B
BR
B–R
W–B
FROM POWER SOURCE SYSTEM
(SEE PAGE 134)
20A
STOP
1E
G–B
G–W
2
S10
STOP LIGHT SW
1
G–W
11 5E
4 5B
G–O
15 D
STP
H12
HEATED OXYGEN SENSOR
(BANK 1 SENSOR 2)
19 IA2
BR
B–R
2
4
+B
E1
HT
OX
1
3
B
W
15 IA2
7 IA2
B
W
9 E
HTS
8 E
OXS
4 EB1
A11
AIR FUEL RATIO SENSOR
(BANK 1 SENSOR 1)
B–R
G
2
4
1
3
L
(SHIELDED)
R
G
3 B
HAFR
11 B
AFR+
20 B
AFR–
2 EB1
(SHIELDED)
(SHIELDED)
A12
AIR FUEL RATIO SENSOR
(BANK 2 SENSOR 1)
B–R
B–W
2
4
1
3
G
(SHIELDED)
L
B–W
4 B
HAFL
12 B
AFL+
21 B
AFL–
E6 A, E7 B, E8 C, E9 D, E10 E
ENGINE AND ECT ECU
E2
VTA1
VC
THW
OC1+
OC1–
OC2+
OC2–
KSW
MOPS
PS
18 B
23 B
2 B
14 B
6 C
5 C
29 C
18 C
23 E
17 A
9 B
BR
L–W
Y–B
G–W
2
1
E2
EFI WATER TEMP.
SENSOR
Y–B
1
2
C 2
CAMSHAFT TIMING OIL
CONTROL VALVE RH
G–W
G–R
1
2
C 1
CAMSHAFT TIMING OIL
CONTROL VALVE LH
G–Y
G–Y
L
1
2
U 1
UNLOCK WARNING SW
W–B
A
A
J 7
JUNCTION
CONNECTOR
W–B
IF
Y–G
1
O 1
OIL PRESSURE SW
B–Y
1
P 1
POWER STEERING OIL PRESSURE SW
BR
E 8 : LHD
E 6 : RHD
BR
BR
2
3
1
E2
VTA
VC
T 1
THROTTLE POSITION SENSOR


W–B
BR
I11 : LHD
I 1 : RHD
8 IH1
BR–W
(SHIELDED)
J10
JUNCTION
CONNECTOR
V 5
VVT SENSOR LH
C 4
CRANKSHAFT
POSITION SENSOR
V 6
VVT SENSOR RH
I13 : LHD
I 5 : RHD
22 C VV2
16 B NE+
24 B NE–
10 C VV1
17 B E1
5 E TC
4 D SIL
22 E SPD
E 6 A , E 7 B , E 8 C , E 9 D , E10 E
ENGINE AND ECT ECU
KNKL
KNKR
E01
E02
E03
E04
E05
W
TACH
IMLD
MPX2
MPX1
28 C
27 C
21 C
31 C
30 C
1 B
8 B
6 D
27 E
22 D
18 D
11 D
W–B
Y–G
O
LG
W–R
4 EA1
2 EA1
1 EA1
3 EA1
E 7 : LHD
E 5 : RHD
I 7 : LHD
I10 : RHD
3 IJ1
9 IE2
Y(LHD)
Y(RHD)
K 2
KNOCK SENSOR 2
K 1
KNOCK SENSOR 1
EB
EC


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
V–W
W–B
BR
7.5A
OBD
10 1E
B–O
W
(LHD)
4 BD1
9
MPX1
MPX2
10
D11
DOUBLE LOCK DOOR
CONTROL RELAY
11 BB1
5
R16
REAR DOOR RH ECU
4
10 BB1
3 IM1
5 IL1
10
F17
FRONT PASSENGER
DOOR ECU
10 BA1
4
MPX2
MPX1
5
R14
REAR DOOR LH ECU
11 BA1
11 IA2
10 IC1
11
D12
DRIVER DOOR ECU
5 IC1
8
T5
THEFT DETERRENT
ECU
7
4 IE1
P–B
W
V–W
1 5B
4 5C
9 5A
10 5A
BR
P–B
B–O
5
13
16
SG
TC
BAT
SIL
TAC
CG
D3
DLC3
7
9
4
W
O
W–B
3 5B
11 5B
O
Y(LHD)
Y(RHD)
W–R
LG
O
Y–G
Y–R(LHD)
Y(RHD)
W–R
LG
O
Y–G
W–B
W–B
EC
IF


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
* 1 : RHD EUROPE, LHD
* 2 : EXCEPT RHD EUROPE, LHD
15A HEATER
D11 DOUBLE LOCK DOOR CONTROL RELAY
R14 REAR DOOR LH ECU
R16 REAR DOOR LH ECU
D12 DRIVER DOOR ECU
F17 FRONT PASSENGER DOOR ECU
T 5 THEFT DETERRENT ECU
C10 , C12 COMBINATION METER ECU
CHECK ENGINE
I16 , I17 INSTRUMENT CONTROL PANEL
B 5 , B 8 BODY ECU
MPX1
MPX2
MPX+
MPX–
IND
V–W
Y (RHD)
W (RHD)
Y–R (RHD)
V (RHD)
Y (RHD)
B (RHD)
Y–R (LHD)
Y–B
O
Y–G
B–O
R–W
BR
LG
W–R
Y–R(LHD)
Y(RHD)
IH

SYSTEM OUTLINE

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

1. INPUT SIGNALS

(1) Engine coolant temp. signal circuit

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

(2) Intake air temp. signal circuit

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

(3) Vehicle speed signal circuit

The vehicle speed signal is input from the ABS speed sensor to ABS & BA & TRC & VSC ECU, and are sent to the engine and ECT ECU through communication control.

(4) RPM signal circuit

Camshaft position is detected by the VVT sensors and its signal is input to TERMINALS VV1 and VV2 of the engine and ECT ECU as a control signal. Also, engine RPM is detected by the crankshaft position sensor and is input as a control signal to TERMINAL NE+.

(5) Throttle position signal circuit

The throttle position sensor detects the throttle valve opening angle as a control signal, which is input into TERMINAL VTA1 of the engine and ECT ECU.

(6) Battery signal circuit

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

The current flowing through the IGN fuse flows to TERMINAL IGSW of the engine and ECT ECU.

(7) Intake air volume signal circuit

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

(8) Stop light SW signal circuit

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

(9) Starter signal circuit

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

(10) Engine knock signal circuit

Engine knocking is detected by knock sensors and the signal is input into TERMINALS KNKL and KNKR of the engine and ECT ECU as a control signal.

2. CONTROL SYSTEM

* EFI system

The EFI system monitors the engine condition through the signals input from each sensor (Input signals from (1) to (10) etc.) to the engine and ECT ECU. And the control signal is output to TERMINALS #10, #20, #30, #40, #50 and #60 of the engine and ECT ECU to operate the injector (Inject the fuel). The SFI system controls the fuel injection operation by the engine and ECT ECU in response to the driving conditions.

* ESA system

The ESA system monitors the engine condition through the signals input to the engine and ECT ECU from each sensor (Input signals from (1) to (10) etc.). The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4, IGT5 and IGT6. This signal controls the igniter to provide the best ignition timing for the driving conditions.

* ACIS

The ACIS includes a valve in the bulkhead separating the surge tank into two parts. This valve is opened or closed according to the driving conditions to control the intake manifold length in three stages, for increased engine output in all ranges from low to high speeds, when idling.

3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunction in the engine and ECT ECU signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the check engine warning light.

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 and ECT ECU memory or else stops the engine.

SERVICE HINTS

CIRCUIT OPENING RELAY

5–3 : Closed with the starter running

EFI RELAY

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

E6 (A), E7 (B), E8 (C), E9 (D), E10 (E) ENGINE AND ECT ECU

Voltage at engine and ECT ECU wiring connector

BATT–E1 : Always **9.0**–**14.0** volts
+B–E1 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
VC–E2 : Always **4.5**–**5.5** volts (Ignition SW at **ON** position)
VTA1–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 fully open)
VG–E2G : **1.1**–**1.5** volts (Engine idling and A/C SW off)
THA–E2 : **0.5**–**3.4** volts (Engine idling and intake air temp. **20**˚C, **68**˚F)
THW–E2 : **0.2**–**1.0** volts (Engine idling and coolant temp. **80**˚C, **176**˚F)
IGF–E1 : **4.5**–**5.5** volts (Ignition SW at **ON** position)
Pulse generation (Engine idling)
SIL–E1 : Pulse generation (During transmission)
TACH–E1 : Pulse generation (Engine idling)
STA–E1 : **6.0** volts or more (Engine cranking)
FC–E1 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
0–**3.0** volts (Engine idling)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E1 : Below **3.0** volts (Ignition SW at **ON** position)
NSW–E1 : **9.0**–**14.0** volts (Ignition SW on and other shift position in **P** or **N** position)
0–**3.0** volts (Ignition SW on and shift position in **P** or **N** position)
EVP1–E01 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
TC–E1 : **9.0**–**14.0** volts (Ignition SW at **ON** position)
STP–E1 : **7.5**–**14.0** volts (Ignition SW on and brake pedal depressed)
0–**1.5** volts (Ignition SW on and brake pedal depressed)
OXS–E1 : Pulse generation (Maintain engine speed at **2500** rpm for two minutes after warming up)
KNKL, KNKR–E1 : Pulse generation (Engine idling)
IGT1, IGT2, IGT3, IGT4, IGT5, IGT6–E1 : Pulse generation (Engine idling)
#10, #20, #30, #40, #50, #60–E01 : **9.0**–**14.0** volts (ignition SW at **ON** position)
Pulse generation (Engine idling)

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A10	90 (LHD)	E9 D	100 (RHD)	J12	102 (RHD)
	98 (RHD)	E10 E	92 (LHD)	K1	91 (LHD)
A11	90 (LHD)		100 (RHD)		99 (RHD)
	98 (RHD)	F11	90 (LHD)	K2	91 (LHD)
A12	90 (LHD)		98 (RHD)		99 (RHD)
	98 (RHD)	F17	94 (LHD)	N1	91 (LHD)
A16	90 (LHD)		102 (RHD)		99 (RHD)
	98 (RHD)	F18	94 (LHD)	O1	91 (LHD)
B5 A	92 (LHD)		102 (RHD)		99 (RHD)
	100 (RHD)	H12	94 (LHD)	P1	91 (LHD)
B8 D	92 (LHD)		102 (RHD)		99 (RHD)
	100 (RHD)	I7	91 (LHD)	R14	95 (LHD)
C1	90 (LHD)		99 (RHD)		103 (RHD)
	98 (RHD)	I8	91 (LHD)	R16	95 (LHD)
C2	90 (LHD)		99 (RHD)		103 (RHD)
	98 (RHD)	I9	91 (LHD)	S10	93 (LHD)
C3	90 (LHD)		99 (RHD)		101 (RHD)
	98 (RHD)	I10	91 (LHD)	T1	91 (LHD)
C4	90 (LHD)		99 (RHD)		99 (RHD)
	98 (RHD)	I11	91 (LHD)	T2	91 (LHD)
C10 A	92 (LHD)		99 (RHD)		99 (RHD)
	100 (RHD)	I12	91 (LHD)	T5	93 (LHD)
C12 C	92 (LHD)		99 (RHD)		101 (RHD)
	100 (RHD)	I13	91 (LHD)	T7	93 (LHD)
C16	92 (LHD)		99 (RHD)		101 (RHD)
	100 (RHD)	I15	93 (LHD)	U1	93 (LHD)
D3	92 (LHD)		101 (RHD)		101 (RHD)
	100 (RHD)	I16 A	101 (RHD)	V1	91 (LHD)
D11	94 (LHD)	I17 B	93 (LHD)		99 (RHD)
	102 (RHD)		101 (RHD)	V2	91 (LHD)
D12	94 (LHD)	J2	91 (LHD)		99 (RHD)
	102 (RHD)		99 (RHD)	V3	91 (LHD)
E2	90 (LHD)	J3 B	93 (LHD)		99 (RHD)
	98 (RHD)		101 (RHD)	V4	91 (LHD)
E6 A	92 (LHD)	J4 A	93 (LHD)		99 (RHD)
	100 (RHD)		101 (RHD)	V5	91 (LHD)
E7 B	92 (LHD)	J7	93 (LHD)		99 (RHD)
	100 (RHD)		101 (RHD)	V6	91 (LHD)
E8 C	92 (LHD)	J10	93 (LHD)		99 (RHD)
	100 (RHD)		101 (RHD)		
E9 D	92 (LHD)	J12	94 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)
2	88	R/B No.2 (Engine Compartment Left)
4	89	R/B No.4 (Left Kick Panel)

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1E	78 (LHD)	
	80 (RHD)	
1F	78 (LHD)	
	80 (RHD)	
1G	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2B	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2D	82	Engine Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3E		
3K		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5B		
5C		
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	106 (LHD) 116 (RHD)	Engine Wire and Sensor Wire (Head Cover RH)
EB1	106 (LHD) 116 (RHD)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA2	108 (LHD) 118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IB1	108 (LHD) 118 (RHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	108 (LHD) 118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	108 (LHD) 118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IE2	108 (LHD) 118 (RHD)	
IH1	110 (LHD) 120 (RHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	110 (LHD) 120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IJ1	110 (LHD) 120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD) 120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD) 120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BA1	112 (LHD) 122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD) 122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD) 122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

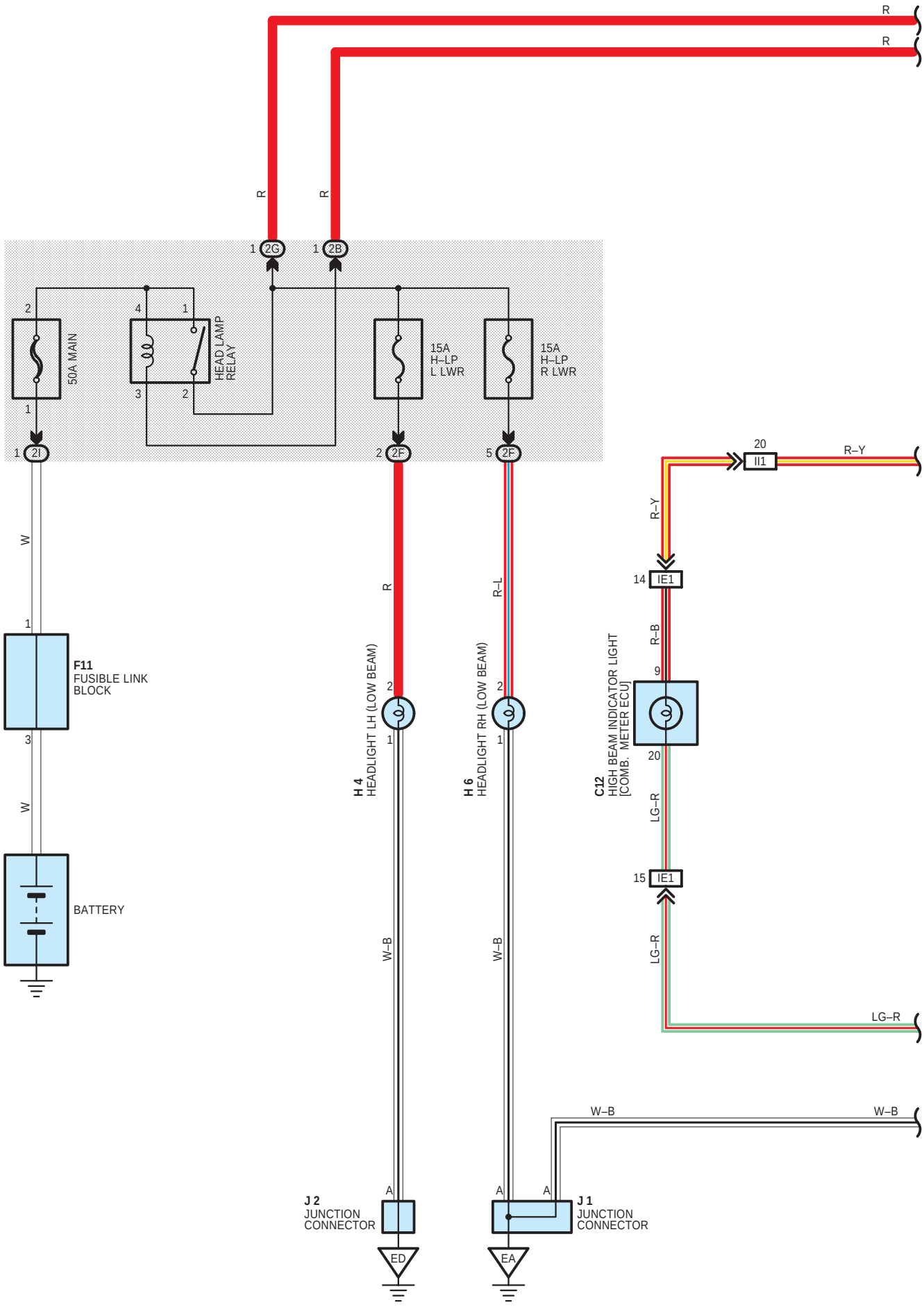
: GROUND POINTS

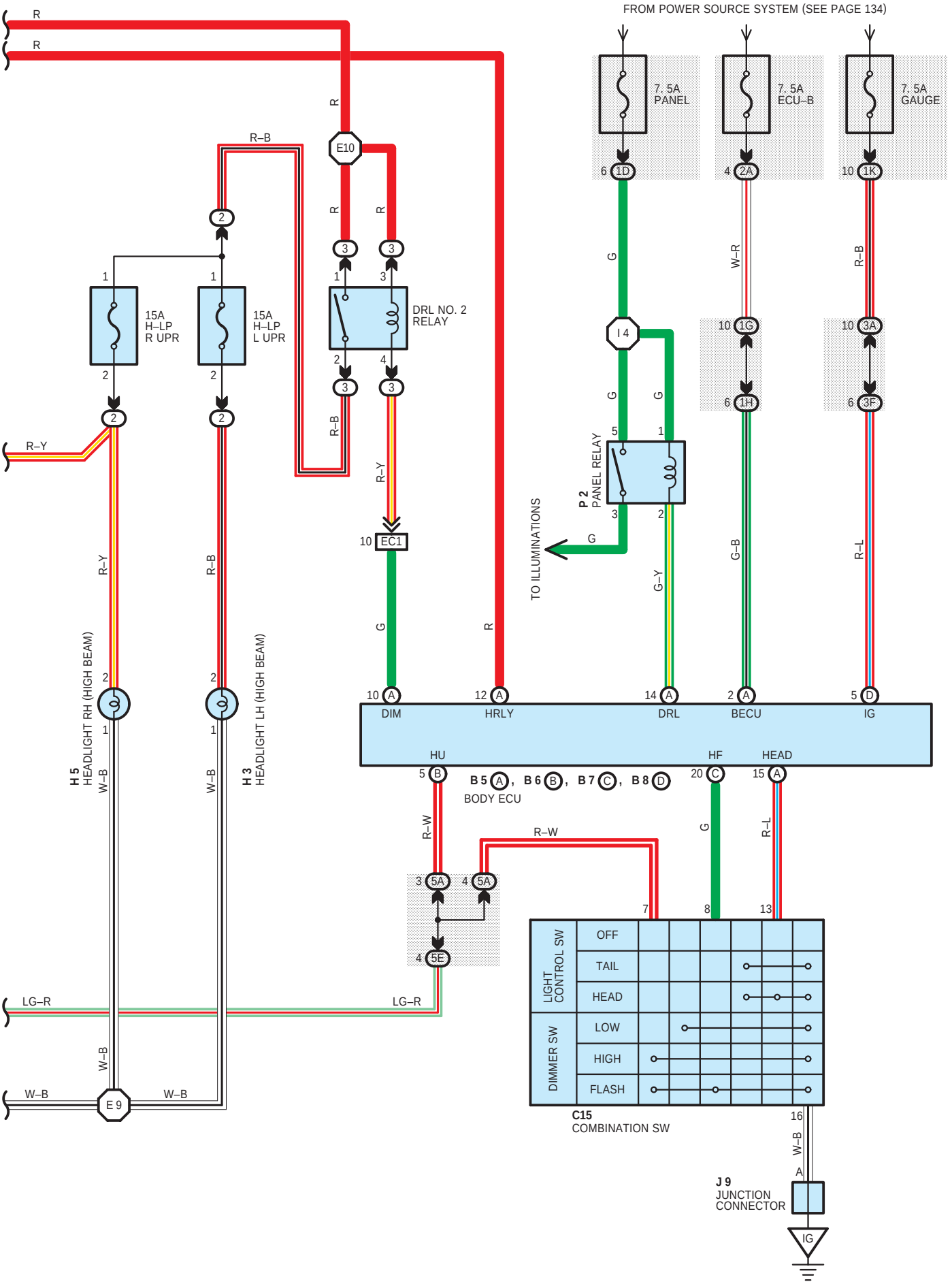
Code	See Page	Ground Points Location
EB	106 (LHD) 116 (RHD)	Surge Tank RH
EC	106 (LHD) 116 (RHD)	Rear Side of Surge Tank
ED	106 (LHD) 116 (RHD)	Right Radiator Side Support
IF	108 (LHD) 118 (RHD)	Dash Panel Center
IH	108 (LHD) 118 (RHD)	Instrument Panel Brace RH
BI	112 (LHD) 122 (RHD)	Upper the Rear Axle Housing Left

 **: SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	116 (RHD)	Engine Wire	I4	110 (LHD)	Cowl Wire
E5				120 (RHD)	
E6	106 (LHD)		I5	120 (RHD)	Engine Wire
	116 (RHD)		I7	110 (LHD)	Cowl Wire
E7	106 (LHD)		I10	120 (RHD)	
E8			I11	110 (LHD)	
I1	120 (RHD)	Cowl Wire	I13	110 (LHD)	Engine Wire
I2					

HEADLIGHT (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
R
R
7. 5A
PANEL
7. 5A
ECU–B
7. 5A
GAUGE
6 1D
4 2A
10 1K
G
W–R
R–B
R–B
E10
R
R
R
2
3
3
1
1
3
15A
H–LP
R UPR
15A
H–LP
L UPR
DRL NO. 2
RELAY
2
4
3
3
R–B
R–Y
I 4
G
G
10 1G
10 3A
6 1H
6 3F
5
1
P 2
PANEL RELAY
3
2
G
TO ILLUMINATIONS
G–Y
G–B
R–L
R–Y
R–B
10 EC1
G
R
10 A
DIM
12 A
HRLY
14 A
DRL
2 A
BECU
5 D
IG
H 5
HEADLIGHT RH (HIGH BEAM)
H 3
HEADLIGHT LH (HIGH BEAM)
W–B
W–B
HU
HF
HEAD
5 B
B5 A, B6 B, B7 C, B8 D
BODY ECU
20 C
15 A
R–W
R–W
G
R–L
3 5A
4 5A
4 5E
7
8
13
LG–R
LG–R
LIGHT CONTROL SW
OFF
TAIL
HEAD
DIMMER SW
LOW
HIGH
FLASH
W–B
W–B
W–B
E 9
C15
COMBINATION SW
16
W–B
A
J 9
JUNCTION CONNECTOR
IG

HEADLIGHT (LHD)

SYSTEM OUTLINE

DAYTIME RUNNING LIGHT OPERATION

This system will operates for turning the headlight (Low beam) and the taillight on by controlling the body ECU when the both conditions that the ignition SW is on and the taillight SW is off are fulfilled.

SERVICE HINTS

HEAD LAMP RELAY

1–2 : Closed with the light control SW at **HEAD** position or dimmer SW at **FLASH** position
: During the daytime running light is operated

C15 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 **HIGH** or **FLASH** position

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
B5	A	92 (LHD)	C15	92 (LHD)	H6	90 (LHD)
B6	B	92 (LHD)	F11	90 (LHD)	J1	91 (LHD)
B7	C	92 (LHD)	H3	90 (LHD)	J2	91 (LHD)
B8	D	92 (LHD)	H4	90 (LHD)	J9	93 (LHD)
C12		92 (LHD)	H5	90 (LHD)	P2	93 (LHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)
3	88	R/B No.3 (Engine Compartment Front Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)

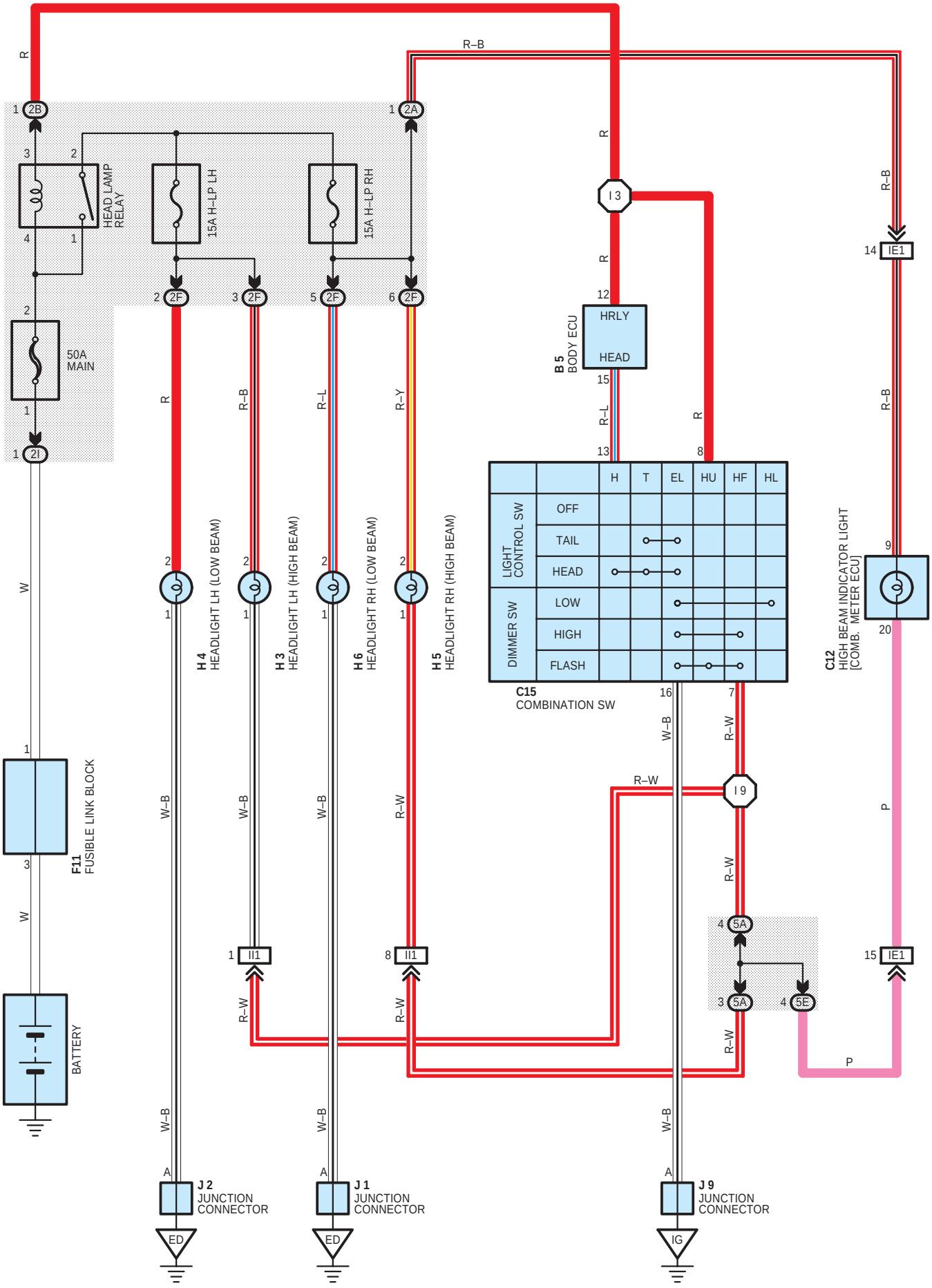
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
ED	106 (LHD)	Right Radiator Side Support
IG	108 (LHD)	Cowl Side Panel RH

: **SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E9	106 (LHD)	Engine Room Main Wire	I4	110 (LHD)	Cowl Wire
E10					

HEADLIGHT (RHD)



SERVICE HINTS

HEAD LAMP RELAY

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

C15 COMBINATION SW

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5	100 (RHD)	H3	98 (RHD)	J1	99 (RHD)
C12	100 (RHD)	H4	98 (RHD)	J2	99 (RHD)
C15	100 (RHD)	H5	98 (RHD)	J9	101 (RHD)
F11	98 (RHD)	H6	98 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
II1	120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)

: GROUND POINTS

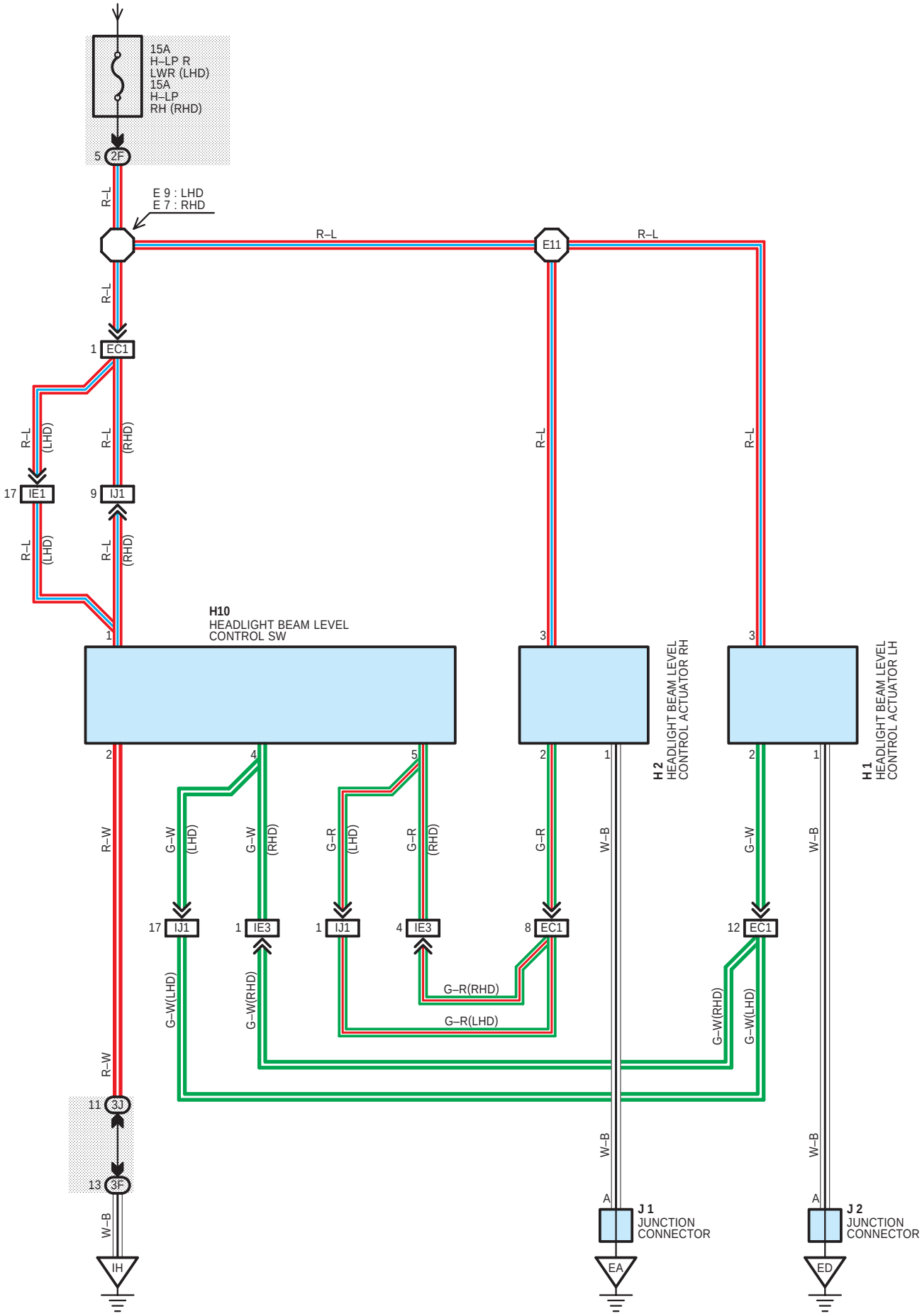
Code	See Page	Ground Points Location
ED	116 (RHD)	Right Radiator Side Support
IG	118 (RHD)	Cowl Side Panel RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	120 (RHD)	Cowl Wire	I9	120 (RHD)	Cowl Wire

HEADLIGHT BEAM LEVEL CONTROL

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



SERVICE HINTS

H1, H2 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH, RH

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

H10 HEADLIGHT BEAM LEVEL CONTROL SW

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H1	90 (LHD)	H10	93 (LHD)	J2	91 (LHD)
	98 (RHD)		101 (RHD)		99 (RHD)
H2	90 (LHD)	J1	91 (LHD)		
	98 (RHD)		99 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3F	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3J		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
	116 (RHD)	
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IE3	118 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)

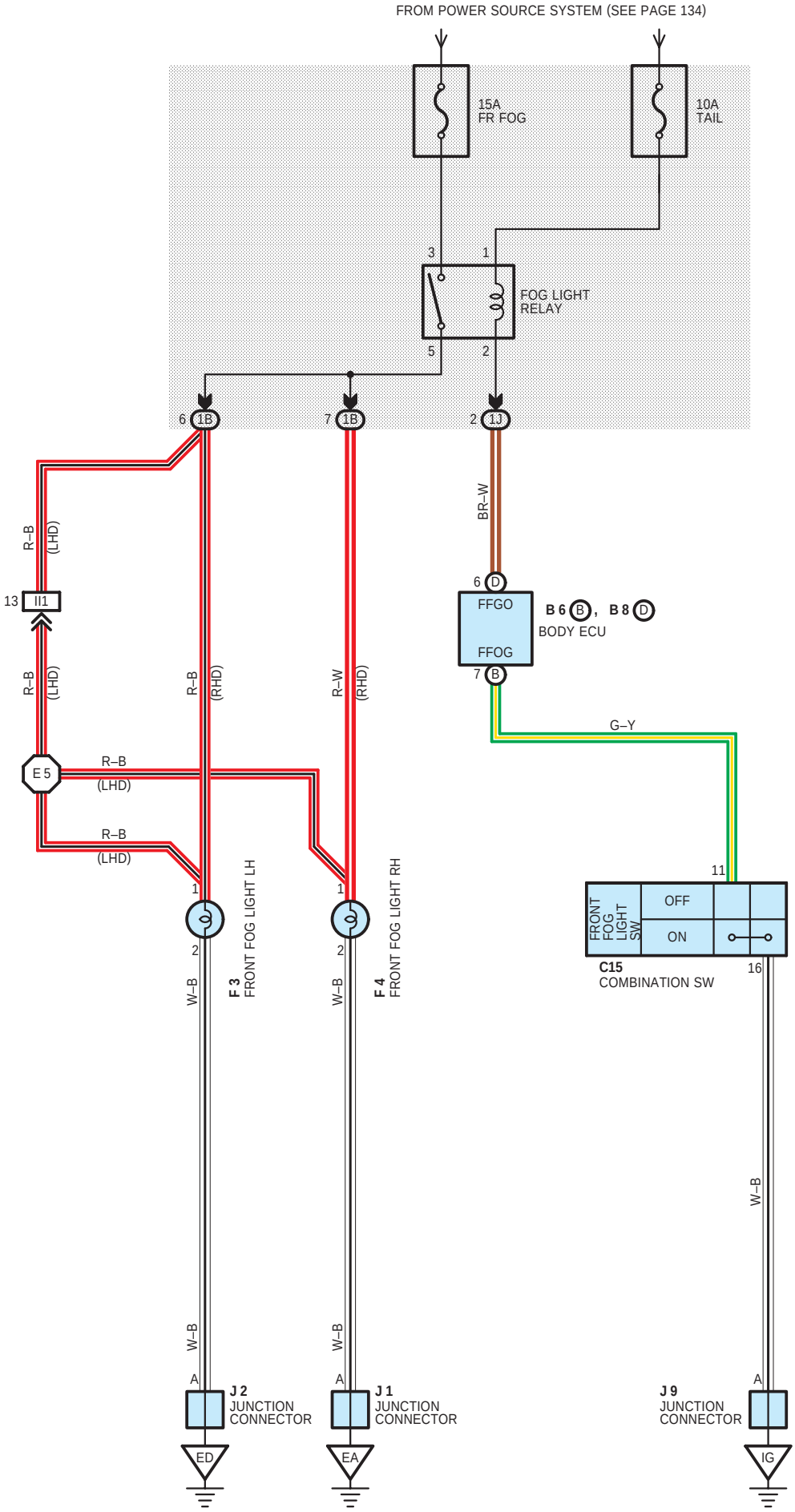
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
ED	106 (LHD)	Right Radiator Side Support
	116 (RHD)	
IH	108 (LHD)	Instrument Panel Brace RH
	118 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E7	116 (RHD)	Engine Room Main Wire	E11	106 (LHD)	Engine Room Main Wire
E9	106 (LHD)				

FRONT FOG LIGHT



SERVICE HINTS

FOG LIGHT RELAY

3–5 : Closed with the light control SW at TAIL position and front fog light SW on

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
B6	B	92 (LHD)	F3	90 (LHD)	J2	91 (LHD)
		100 (RHD)		98 (RHD)		99 (RHD)
B8	D	92 (LHD)	F4	90 (LHD)	J9	93 (LHD)
		100 (RHD)		98 (RHD)		101 (RHD)
C15		92 (LHD)	J1	91 (LHD)		
		100 (RHD)		99 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)

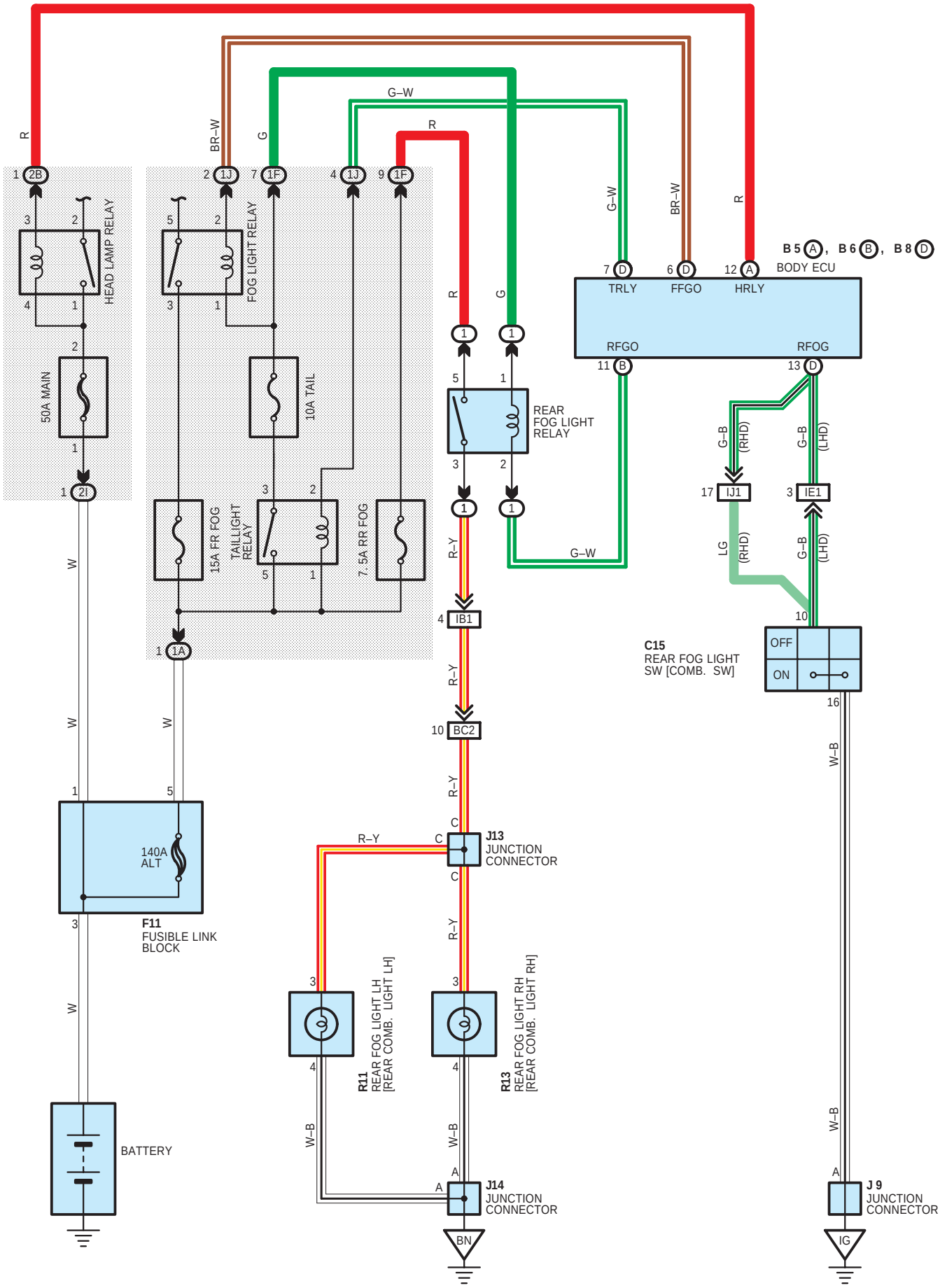
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
ED	106 (LHD)	Right Radiator Side Support
	116 (RHD)	
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E5	106 (LHD)	Engine Room Main Wire			

REAR FOG LIGHT



SERVICE HINTS

REAR FOG LIGHT RELAY

5–3 : Closed with the light control SW at TAIL position and rear fog light SW on

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
B5	A	92 (LHD)	C15	100 (RHD)	J14	94 (LHD)
		100 (RHD)	F11	90 (LHD)		102 (RHD)
B6	B	92 (LHD)		98 (RHD)	R11	95 (LHD)
		100 (RHD)	J9	93 (LHD)		103 (RHD)
B8	D	92 (LHD)		101 (RHD)	R13	95 (LHD)
		100 (RHD)	J13	94 (LHD)		103 (RHD)
C15		92 (LHD)		102 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1F	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2B	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

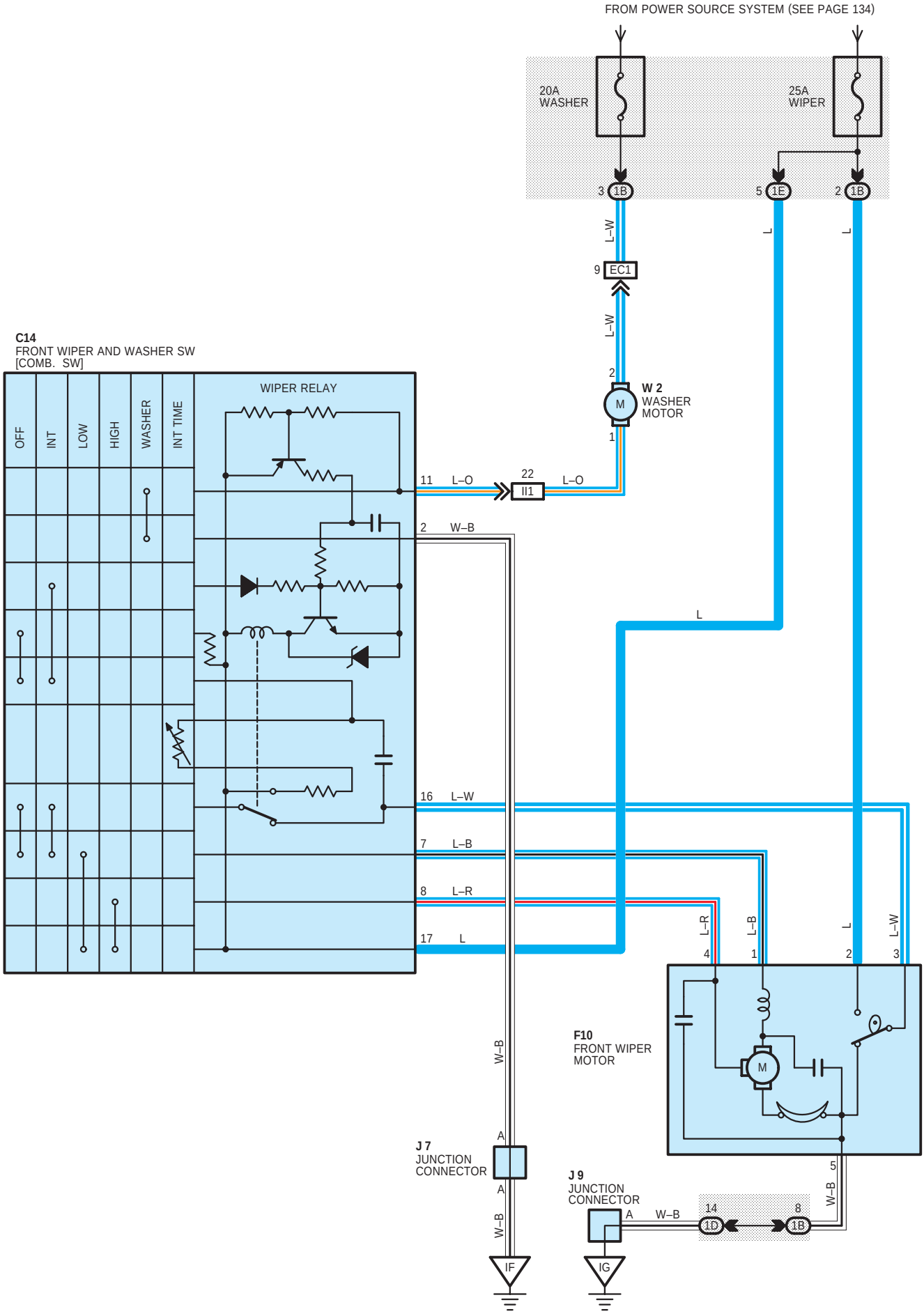
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
	118 (RHD)	
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
	122 (RHD)	

: GROUND POINTS

Code	See Page	Ground Points Location
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	
BN	112 (LHD)	Back Panel Center
	122 (RHD)	

FRONT WIPER AND WASHER (LHD)



SYSTEM OUTLINE

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

1. LOW SPEED POSITION

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

2. HIGH SPEED POSITION

With the wiper SW turned to HIGH position, the current flows through TERMINAL 17 of the front wiper and washer SW to TERMINAL 8 to TERMINAL 4 of the front wiper motor to TERMINAL 5 to GROUND and causes the 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 through TERMINAL 17 of the front wiper and washer SW to TERMINAL 2 to GROUND. This flow of current operates the intermittent circuit and the current flows through TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 1 of the front wiper motor to TERMINAL 5 to GROUND and the wiper functions.
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 charge the charging time of condenser.

4. WASHER CONTINUOUS OPERATION

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

SERVICE HINTS

C14 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 front wiper and washer SW at **LOW** position
Approx. **12** volts **2** to **11** seconds intermittently with the front wiper and washer SW at **INT** position
16–GROUND : Approx. **12** volts with the ignition SW on unless the front wiper motor at **STOP** position
8–GROUND : Approx. **12** volts with the front wiper and washer SW at **HIGH** position

F10 FRONT WIPER MOTOR

2–3 : Closed unless the front wiper motor at **STOP** position

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	92 (LHD)	J7	93 (LHD)	W2	91 (LHD)
F10	90 (LHD)	J9	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1D		
1E		

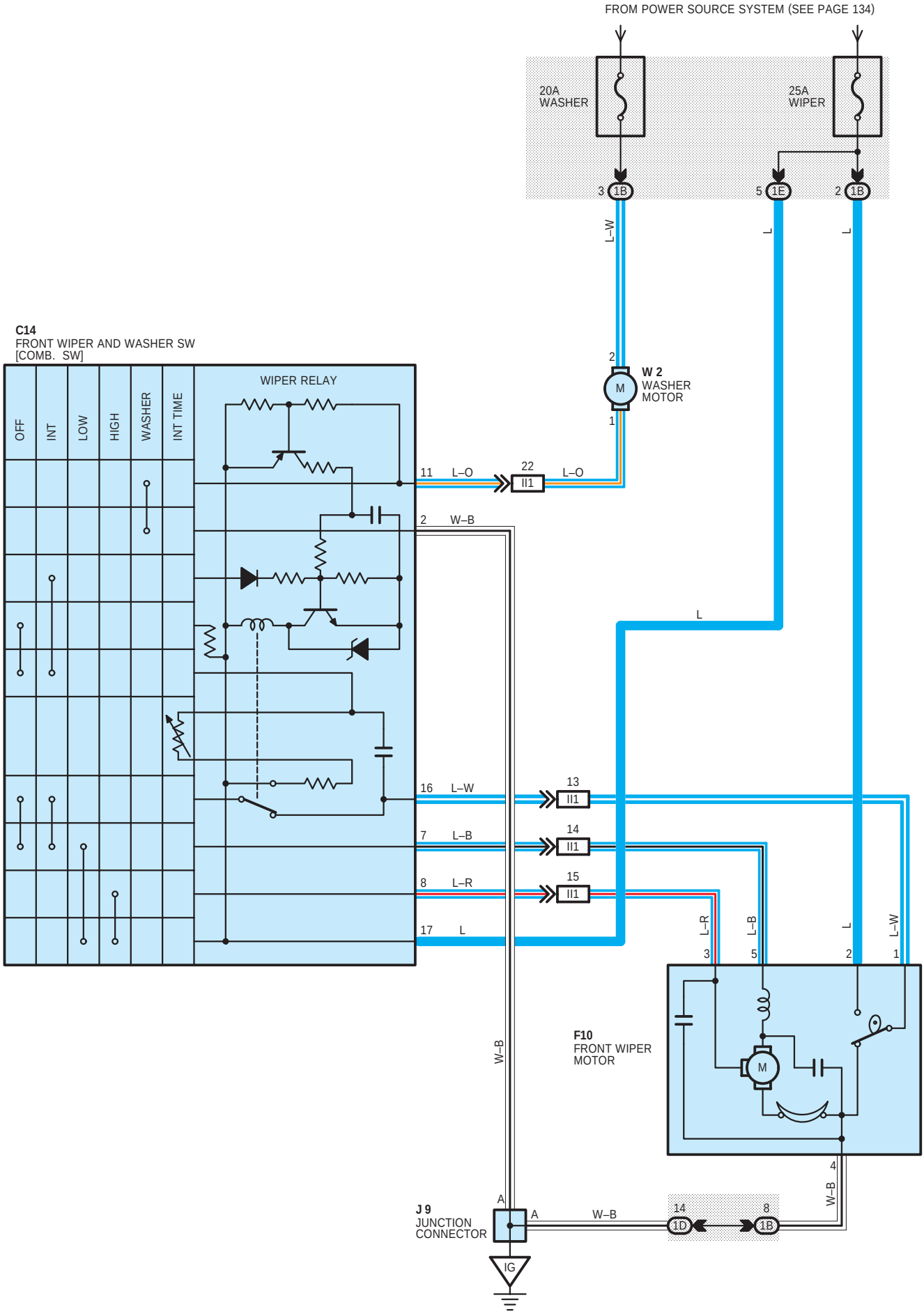
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH

FRONT WIPER AND WASHER (RHD)



SYSTEM OUTLINE

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

1. LOW SPEED POSITION

With the wiper SW turned to LOW position, the current flows through 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 causes the wiper motor to run at low speed.

2. HIGH SPEED POSITION

With the wiper SW turned to HIGH position, the current flows through 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 and causes the 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 through TERMINAL 17 of the front wiper and washer SW to TERMINAL 2 to GROUND. This flow of current operates the intermittent circuit and the current flows through 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 the wiper functions.
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 charge the charging time of condenser.

4. WASHER CONTINUOUS OPERATION

With the washer SW turned to on, the current flows through TERMINAL 2 of the washer motor to TERMINAL 1 to TERMINAL 11 of the front wiper and washer SW to TERMINAL 2 to GROUND and causes the washer motor to run and the window washer to jet. This causes the current to flow to washer continuous operation circuit in TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 5 of the front wiper motor to TERMINAL 4 to GROUND and the wiper functions.

SERVICE HINTS

C14 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 front wiper and washer SW at **LOW** position
Approx. **12** volts **2** to **11** seconds intermittently with the front wiper and washer SW at **INT** position
16–GROUND : Approx. **12** volts with the ignition SW on unless the front wiper motor at **STOP** position
8–GROUND : Approx. **12** volts with the front wiper and washer SW at **HIGH** position

F10 FRONT WIPER MOTOR

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	100 (RHD)	J9	101 (RHD)		
F10	98 (RHD)	W2	99 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

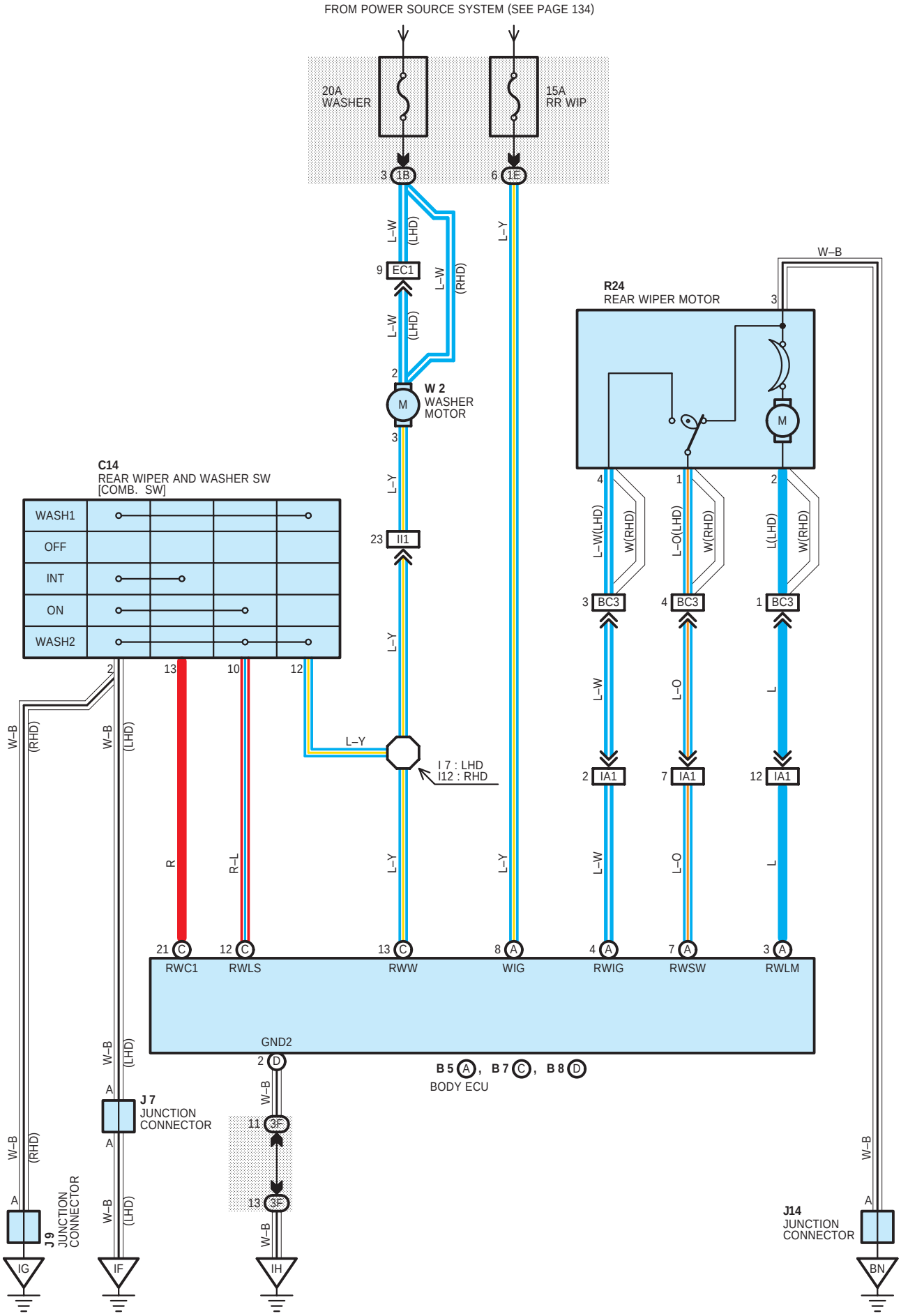
Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)

: GROUND POINTS

Code	See Page	Ground Points Location
IG	118 (RHD)	Cowl Side Panel RH


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A WASHER
15A RR WIP
3 1B
6 1E
L–W (LHD)
L–W (RHD)
L–Y
9 EC1
2
M
W 2 WASHER MOTOR
3
L–Y
23 I11
L–Y
L–Y
I 7 : LHD
I12 : RHD
C14
REAR WIPER AND WASHER SW [COMB. SW]
WASH1
OFF
INT
ON
WASH2
2
13
10
12
W–B (RHD)
W–B (LHD)
R
R–L
L–Y
L–Y
L–Y
R24
REAR WIPER MOTOR
W–B
3
M
4
1
2
L–W(LHD)
W(RHD)
L–O(LHD)
W(RHD)
L(LHD)
W(RHD)
3 BC3
4 BC3
1 BC3
L–W
L–O
L
2 IA1
7 IA1
12 IA1
L–W
L–O
L
21 C RWC1
12 C RWLS
13 C RWW
8 A WIG
4 A RWIG
7 A RWSW
3 A RWLM
GND2
2 D
B5 A, B7 C, B8 D
BODY ECU
W–B
11 3F
13 3F
J7 JUNCTION CONNECTOR
W–B (RHD)
W–B (LHD)
W–B (LHD)
J9 JUNCTION CONNECTOR
W–B
J14 JUNCTION CONNECTOR
IG
IF
IH
BN

SYSTEM OUTLINE

When the ignition SW is turned to on, the current flows from RR WIP fuse to TERMINAL WIG of the body ECU, and from WASHER fuse to TERMINAL 2 of the washer motor.

1. REAR WIPER NORMAL OPERATION

When the ignition SW is on and the rear wiper and washer SW is turned to ON position, a signal is input to TERMINAL RWLS of the body ECU, and current flows from TERMINAL RWLM of the body ECU to TERMINAL 1 of the rear wiper motor to TERMINAL 2 to GROUND, and rotates the motor to operate the wiper.

2. REAR WIPER INTERMITTENT FUNCTION

When the ignition SW is on and the rear wiper and washer SW is turned to INT position, a signal is input to TERMINAL RWCI of the body ECU. As a result, the body ECU controls wiper motor operation time, and operates the wiper intermittently.

3. WASHER FUNCTION

When the ignition SW is on and the rear wiper and washer SW is turned to WASH1 position, only the washer motor operates, and with the SW at WASH2 position, the wiper motor also operates following the washer motor operation.

SERVICE HINTS

B5 (A), B8 (D) BODY ECU

(A) 8–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(D) 2–GROUND : Always continuity

W2 WASHER MOTOR

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

C14 REAR WIPER AND WASHER SW [COMB. SW]

10–GROUND : Continuity with the rear wiper SW at **ON** position
13–GROUND : Continuity with the rear wiper SW at **INT** position
2–GROUND : Always continuity

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
B5	A	92 (LHD)	C14	92 (LHD)	R24	95 (LHD)
		100 (RHD)		100 (RHD)		103 (RHD)
B7	C	92 (LHD)	J7	93 (LHD)	W2	91 (LHD)
		100 (RHD)	J9	101 (RHD)		99 (RHD)
B8	D	92 (LHD)	J14	94 (LHD)		
		100 (RHD)		102 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
3F	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
	118 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	
BC3	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
	122 (RHD)	

REAR WIPER AND WASHER

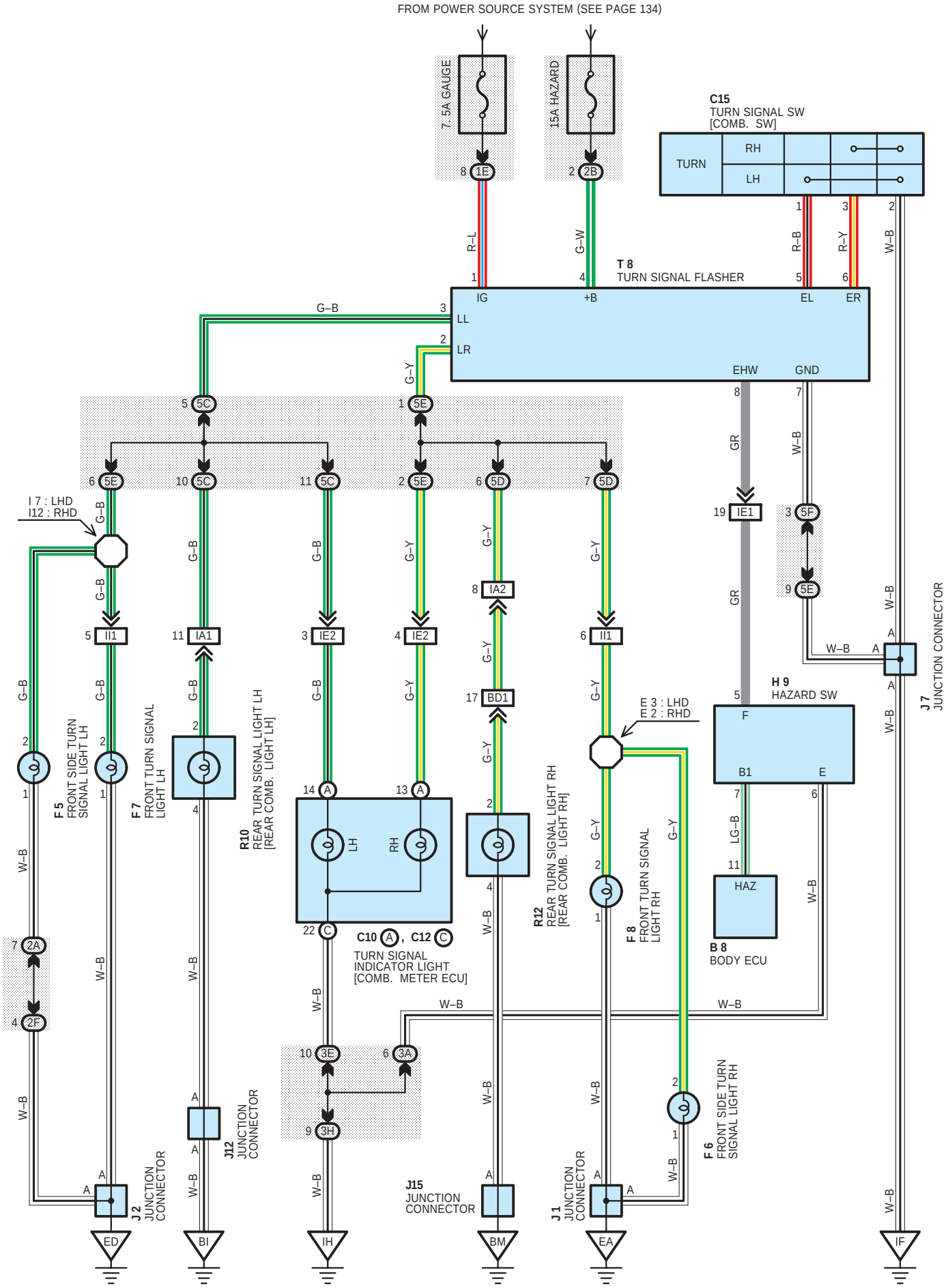
: GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (LHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
	118 (RHD)	
BN	112 (LHD)	Back Panel Center
	122 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	110 (LHD)	Cowl Wire	I7	110 (LHD)	Cowl Wire
	120 (RHD)	Instrument Panel Wire	I12	120 (RHD)	

TURN SIGNAL AND HAZARD WARNING LIGHT



SERVICE HINTS

T8 TURN SIGNAL FLASHER

8–GROUND : Approx. **12** volts with the ignition SW at **ON** position or hazard SW on

7–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B8	92 (LHD)	F7	90 (LHD)	J12	94 (LHD)
	100 (RHD)		98 (RHD)		102 (RHD)
C10 A	92 (LHD)	F8	90 (LHD)	J15	94 (LHD)
	100 (RHD)		98 (RHD)		102 (RHD)
C12 C	92 (LHD)	H9	93 (LHD)	R10	95 (LHD)
	100 (RHD)		101 (RHD)		103 (RHD)
C15	92 (LHD)	J1	91 (LHD)	R12	95 (LHD)
	100 (RHD)		99 (RHD)		103 (RHD)
F5	90 (LHD)	J2	91 (LHD)	T8	93 (LHD)
	98 (RHD)		99 (RHD)		101 (RHD)
F6	90 (LHD)	J7	93 (LHD)		
	98 (RHD)		101 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
3H		
5C	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		
5E		
5F		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
	118 (RHD)	
IA2	108 (LHD)	
	118 (RHD)	
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	
IE2	108 (LHD)	
	118 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
	122 (RHD)	

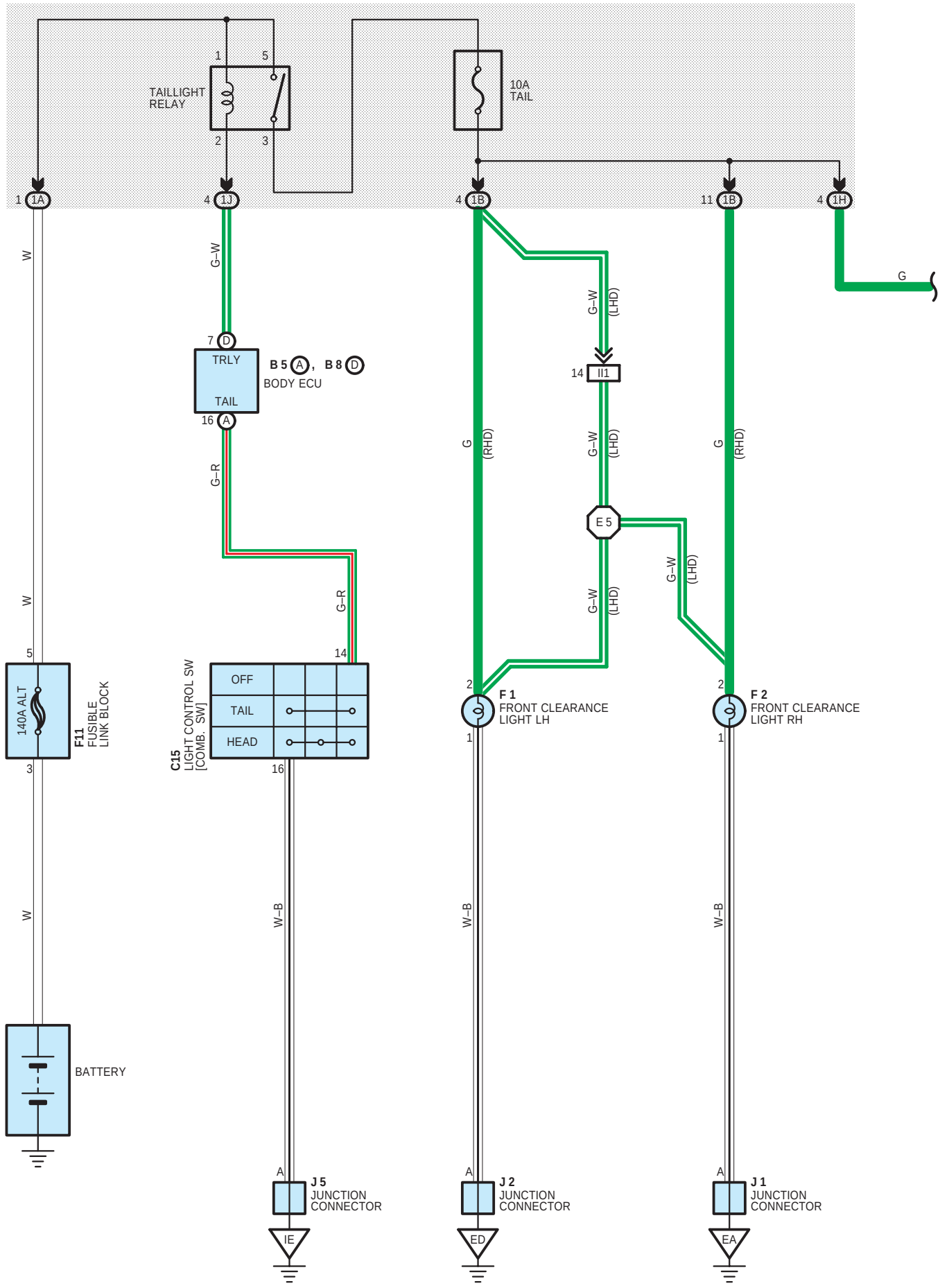
TURN SIGNAL AND HAZARD WARNING LIGHT

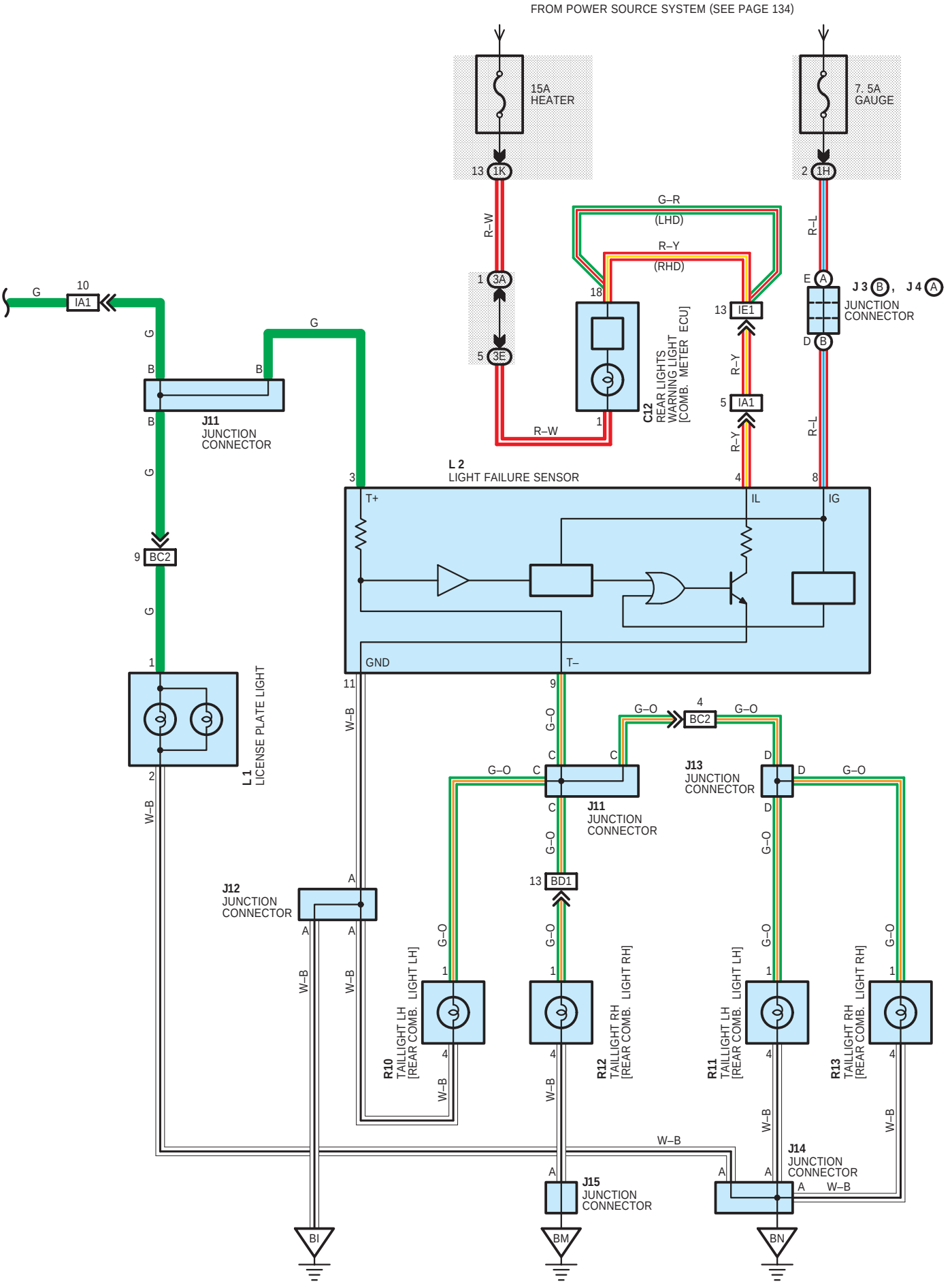
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD) 116 (RHD)	Engine Compartment Right
ED	106 (LHD) 116 (RHD)	Right Radiator Side Support
IF	108 (LHD) 118 (RHD)	Dash Panel Center
IH	108 (LHD) 118 (RHD)	Instrument Panel Brace RH
BI	112 (LHD) 122 (RHD)	Upper the Rear Axle Housing Left
BM	112 (LHD) 122 (RHD)	Under the Rear RH Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	116 (RHD)	Engine Room Main Wire	I7	110 (LHD)	Cowl Wire
E3	106 (LHD)		I12	120 (RHD)	


TAILLIGHT RELAY
1
5
2
3
10A TAIL
1 1A
4 1J
4 1B
11 1B
4 1H
W
G–W
G
7 D
TRLY
TAIL
16 A
B5 A , B8 D
BODY ECU
G–R
14 II1
G–W (LHD)
G (RHD)
E5
5
140A ALT
F11 FUSIBLE LINK BLOCK
3
BATTERY
C15 LIGHT CONTROL SW [COMB. SW]
OFF
TAIL
HEAD
14
16
W–B
2
F1 FRONT CLEARANCE LIGHT LH
F2 FRONT CLEARANCE LIGHT RH
1
A
J5 JUNCTION CONNECTOR
J2 JUNCTION CONNECTOR
J1 JUNCTION CONNECTOR
IE
ED
EA


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A HEATER
7. 5A GAUGE
13 1K
2 1H
R–W
G–R (LHD)
R–Y (RHD)
R–L
1 3A
5 3E
18
13 IE1
C12 REAR LIGHTS WARNING LIGHT [COMB. METER ECU]
E A J3 B, J4 A
JUNCTION CONNECTOR
D B
5 IA1
10 IA1
G
J11 JUNCTION CONNECTOR
L 2 LIGHT FAILURE SENSOR
3
4
8
T+
IL
IG
GND
T–
9 BC2
L 1 LICENSE PLATE LIGHT
11
9
W–B
G–O
4 BC2
J13 JUNCTION CONNECTOR
J12 JUNCTION CONNECTOR
13 BD1
R10 TAILLIGHT LH [REAR COMB. LIGHT LH]
R12 TAILLIGHT RH [REAR COMB. LIGHT RH]
R11 TAILLIGHT LH [REAR COMB. LIGHT LH]
R13 TAILLIGHT RH [REAR COMB. LIGHT RH]
J14 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
BI
BM
BN

TAILLIGHT

SYSTEM OUTLINE

When the light control SW is turned to the TAIL or HEAD position, the signal is input to TERMINAL TAIL of the body ECU. This activates the body ECU to flow the current from the battery into the ALT fuse, taillight relay (Coil side), TERMINAL TRLY of the body ECU to GROUND in that order to turn on the taillight relay. The current flows from the TAIL fuse into the front clearance lights, license plate lights, TERMINAL 3 of the light failure sensor to TERMINAL 9 to taillights in that order to turn on each light.

TAILLIGHT DISCONNECTION WARNING

If any taillight wiring is faulty when the ignition SW is turned to the ON position with the light control SW set at TAIL or HEAD, the light failure sensor detects a voltage difference and is activated to turn on the rear lights warning light in the combination meter to warn the driver. The warning light is remained lit until the ignition SW is turned to the OFF position.

SERVICE HINTS

C15 LIGHT CONTROL SW [COMB. SW]

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

L2 LIGHT FAILURE SENSOR

8–GROUND : Approx. **12** volts with the ignition SW at **ON** position
3–GROUND : Approx. **12** volts with the light control SW at **TAIL** or **HEAD** position
11–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD) 100 (RHD)	J2	91 (LHD) 99 (RHD)	J15	94 (LHD) 102 (RHD)
B8 D	92 (LHD) 100 (RHD)	J3 B	93 (LHD) 101 (RHD)	L1	94 (LHD) 102 (RHD)
C12	92 (LHD) 100 (RHD)	J4 A	93 (LHD) 101 (RHD)	L2	94 (LHD) 102 (RHD)
C15	92 (LHD) 100 (RHD)	J5	93 (LHD) 101 (RHD)	R10	95 (LHD) 103 (RHD)
F1	90 (LHD) 98 (RHD)	J11	94 (LHD) 102 (RHD)	R11	95 (LHD) 103 (RHD)
F2	90 (LHD) 98 (RHD)	J12	94 (LHD) 102 (RHD)	R12	95 (LHD) 103 (RHD)
F11	90 (LHD) 98 (RHD)	J13	94 (LHD) 102 (RHD)	R13	95 (LHD) 103 (RHD)
J1	91 (LHD) 99 (RHD)	J14	94 (LHD) 102 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1H	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1K	78 (LHD)	
	80 (RHD)	
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

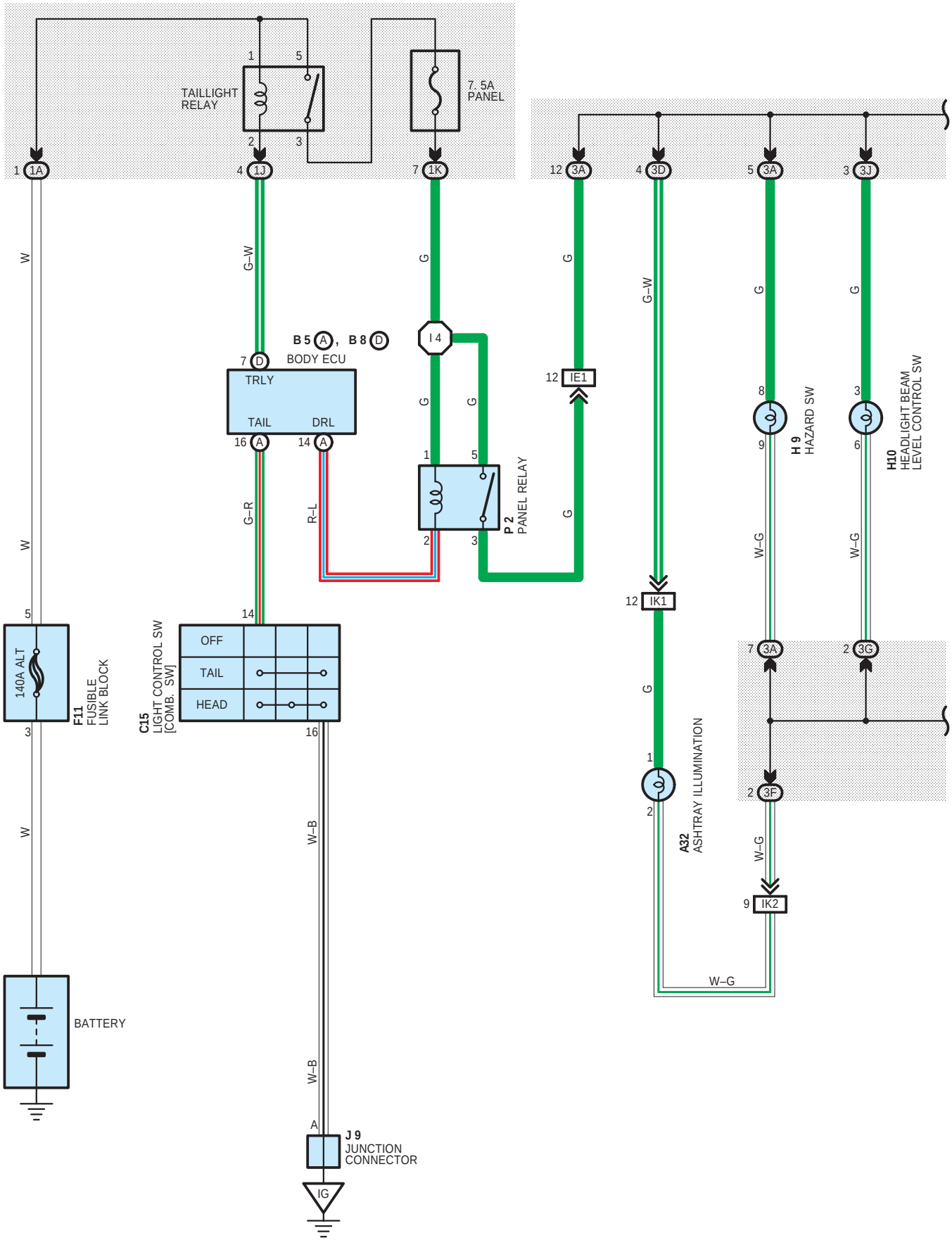
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD) 118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IE1	108 (LHD) 118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
BC2	112 (LHD) 122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BD1	112 (LHD) 122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

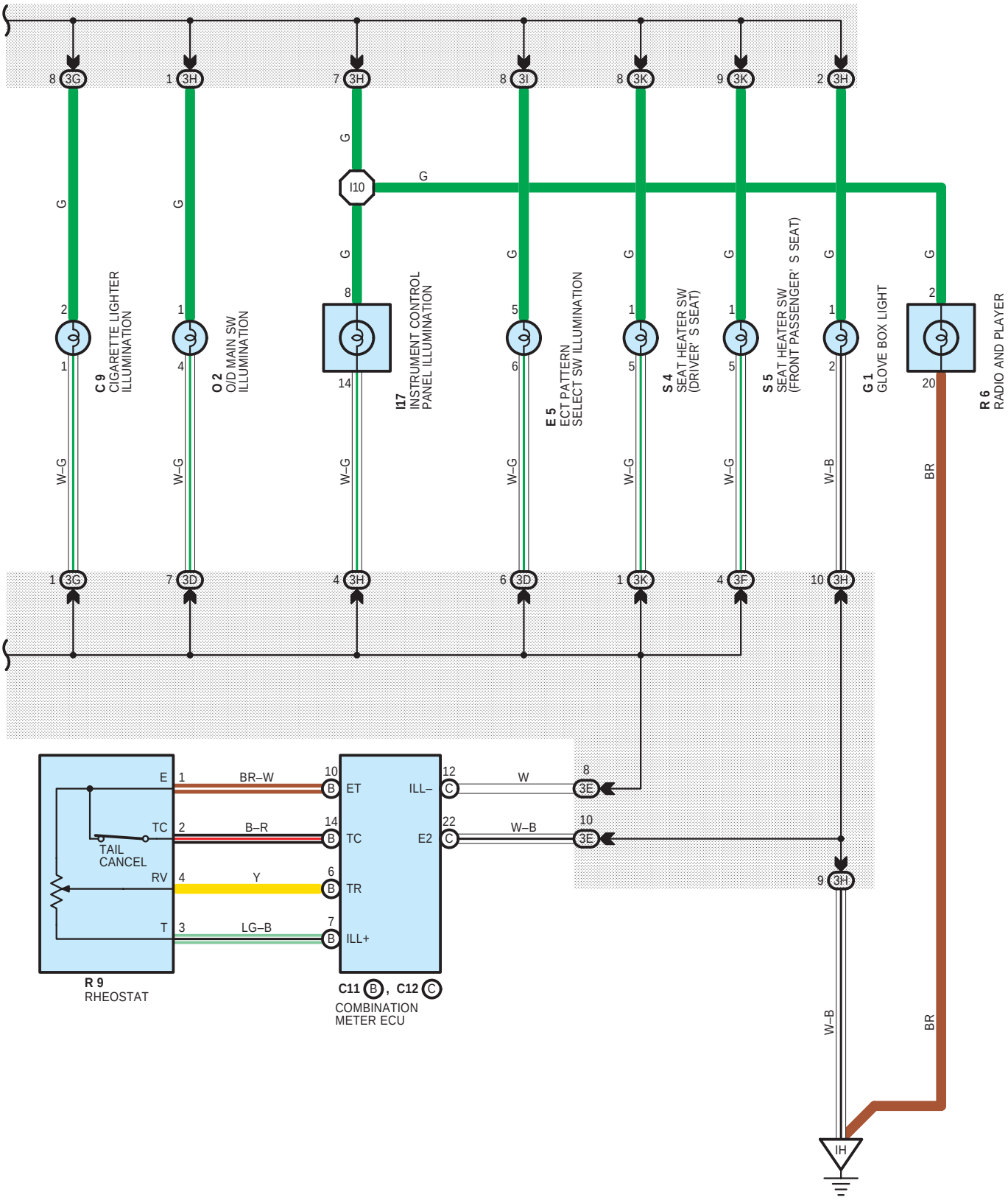
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD) 116 (RHD)	Engine Compartment Right
ED	106 (LHD) 116 (RHD)	Right Radiator Side Support
IE	108 (LHD) 118 (RHD)	Cowl Side Panel LH
BI	112 (LHD) 122 (RHD)	Upper the Rear Axle Housing Left
BM	112 (LHD) 122 (RHD)	Under the Rear RH Seat
BN	112 (LHD) 122 (RHD)	Back Panel Center

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E5	106 (LHD)	Engine Room Main Wire			


TAILLIGHT RELAY
7.5A PANEL
1A
1J
1K
3A
3D
3A
3J
B5 A , B8 D
BODY ECU
TRLY
TAIL
DRL
I4
IE1
P2
PANEL RELAY
H9
HAZARD SW
H10
HEADLIGHT BEAM LEVEL CONTROL SW
140A ALT
F11
FUSIBLE LINK BLOCK
C15
LIGHT CONTROL SW [COMB. SW]
OFF
TAIL
HEAD
IK1
IK2
A32
ASHTRAY ILLUMINATION
3F
3G
BATTERY
J9
JUNCTION CONNECTOR
IG
W
G–W
G
G–R
R–L
W–G
W–B


8 3G
1 3H
7 3H
8 3I
8 3K
9 3K
2 3H
G
I10
C 9
CIGARETTE LIGHTER ILLUMINATION
O 2
O/D MAIN SW ILLUMINATION
I17
INSTRUMENT CONTROL PANEL ILLUMINATION
E 5
ECT PATTERN SELECT SW ILLUMINATION
S 4
SEAT HEATER SW (DRIVER' S SEAT)
S 5
SEAT HEATER SW (FRONT PASSENGER' S SEAT)
G 1
GLOVE BOX LIGHT
R 6
RADIO AND PLAYER
W–G
W–B
BR
1 3G
7 3D
4 3H
6 3D
1 3K
4 3F
10 3H
E
TC
RV
T
TAIL CANCEL
BR–W
B–R
Y
LG–B
ET
TC
TR
ILL+
ILL–
E2
W
W–B
8 3E
10 3E
9 3H
IH
R 9
RHEOSTAT
C11 B , C12 C
COMBINATION METER ECU

ILLUMINATION (LHD)

SERVICE HINTS

TAILLIGHT RELAY

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

C15 LIGHT CONTROL SW [COMB. 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
A32	92 (LHD)	E5	92 (LHD)	O2	93 (LHD)
B5 A	92 (LHD)	F11	90 (LHD)	P2	93 (LHD)
B8 D	92 (LHD)	G1	93 (LHD)	R6	93 (LHD)
C9	92 (LHD)	H9	93 (LHD)	R9	93 (LHD)
C11 B	92 (LHD)	H10	93 (LHD)	S4	93 (LHD)
C12 C	92 (LHD)	I17	93 (LHD)	S5	93 (LHD)
C15	92 (LHD)	J9	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3E		
3F		
3G		
3H		
3I		
3J		
3K		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

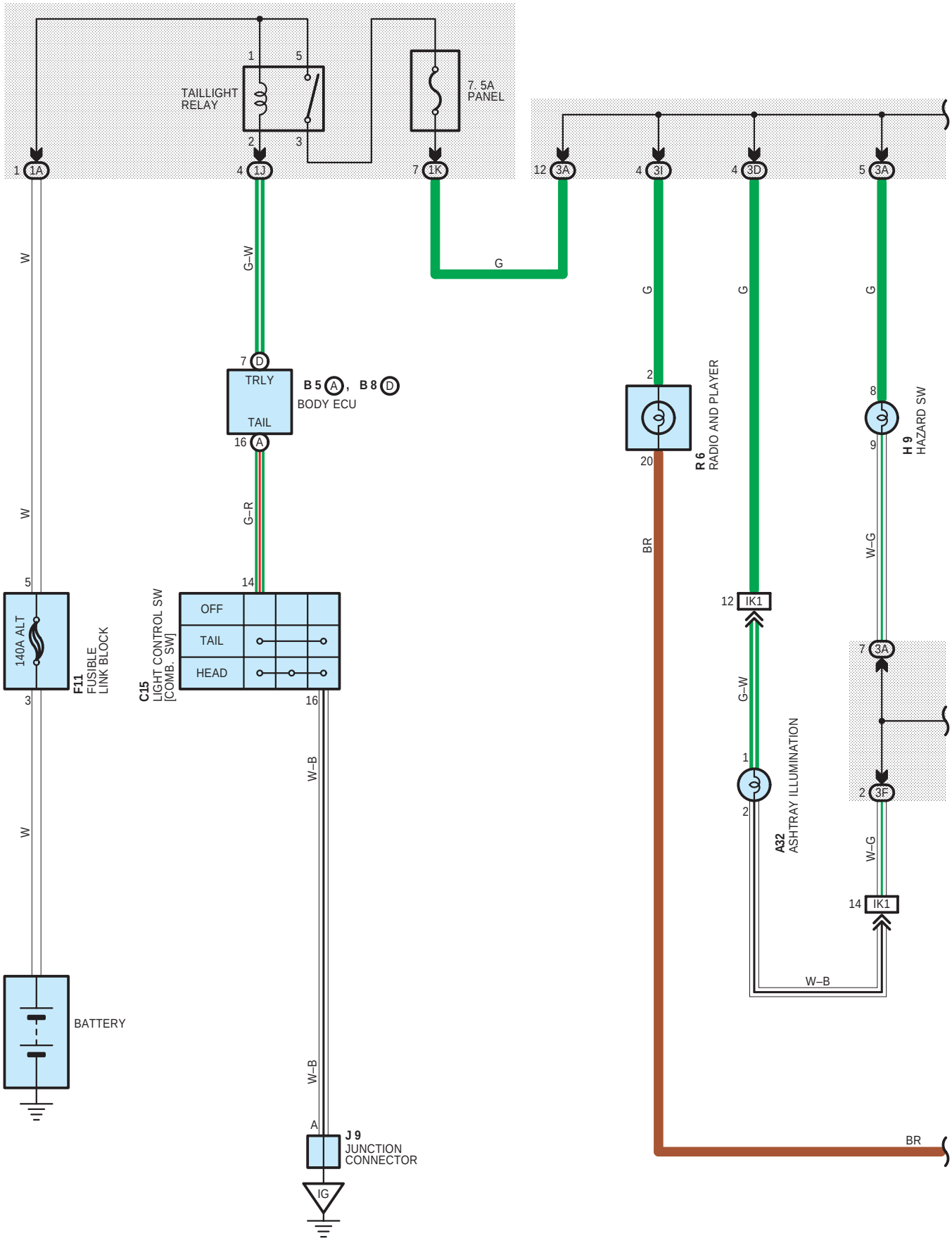
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IK1	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IK2		

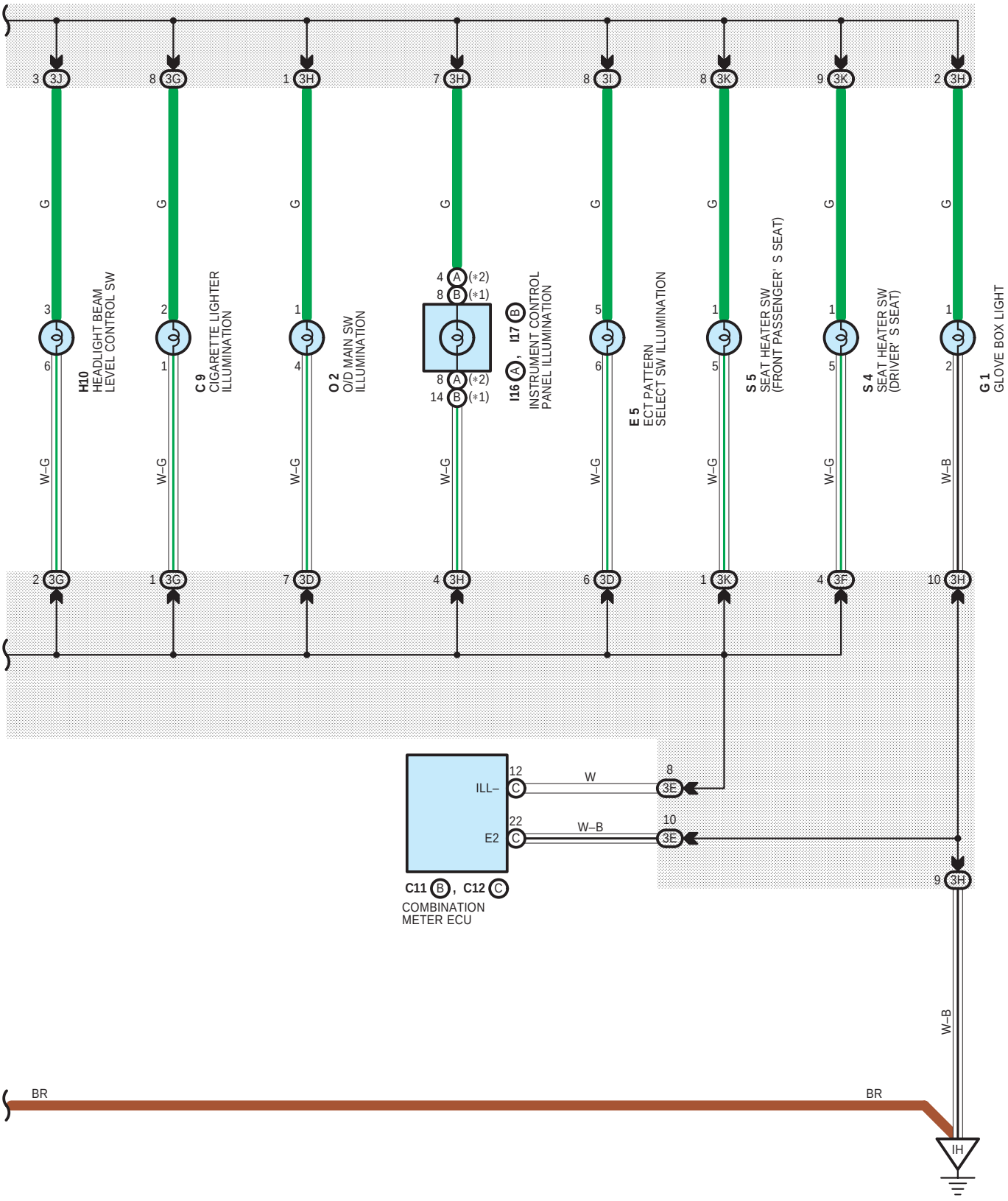
: GROUND POINTS

Code	See Page	Ground Points Location
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	I10	110 (LHD)	Instrument Panel Wire


TAILLIGHT RELAY
7.5A PANEL
1A
1J
1K
3A
3I
3D
3A
W
G–W
G
G
G
G
7 D
TRLY
TAIL
B5 A, B8 D
BODY ECU
16 A
G–R
2
20
R6
RADIO AND PLAYER
BR
8
9
H9
HAZARD SW
W–G
5
140A ALT
F11
FUSIBLE LINK BLOCK
3
14
C15
LIGHT CONTROL SW [COMB. SW]
OFF
TAIL
HEAD
16
W–B
12 IK1
G–W
1
2
A32
ASHTRAY ILLUMINATION
7 3A
2 3F
W–G
14 IK1
W–B
W
BATTERY
W–B
A
J9
JUNCTION CONNECTOR
IG
BR


3 3J
8 3G
1 3H
7 3H
8 3I
8 3K
9 3K
2 3H
G
W–G
W–B
H10
HEADLIGHT BEAM
LEVEL CONTROL SW
C 9
CIGARETTE LIGHTER
ILLUMINATION
O 2
O/D MAIN SW
ILLUMINATION
I16 A , I17 B
INSTRUMENT CONTROL
PANEL ILLUMINATION
E 5
ECT PATTERN
SELECT SW ILLUMINATION
S 5
SEAT HEATER SW
(FRONT PASSENGER' S SEAT)
S 4
SEAT HEATER SW
(DRIVER' S SEAT)
G 1
GLOVE BOX LIGHT
2 3G
1 3G
7 3D
4 3H
6 3D
1 3K
4 3F
10 3H
ILL–
E2
W
W–B
12 C
22 C
8 3E
10 3E
9 3H
C11 B , C12 C
COMBINATION
METER ECU
BR
IH

ILLUMINATION (RHD)

SERVICE HINTS

TAILLIGHT RELAY

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

C15 LIGHT CONTROL SW [COMB. 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
A32	100 (RHD)	E5	100 (RHD)	J9	101 (RHD)
B5 A	100 (RHD)	F11	98 (RHD)	O2	101 (RHD)
B8 D	100 (RHD)	G1	101 (RHD)	R6	101 (RHD)
C9	100 (RHD)	H9	101 (RHD)	S4	101 (RHD)
C11 B	100 (RHD)	H10	101 (RHD)	S5	101 (RHD)
C12 C	100 (RHD)	I16 A	101 (RHD)		
C15	100 (RHD)	I17 B	101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3E		
3F		
3G		
3H		
3I		
3J		
3K		

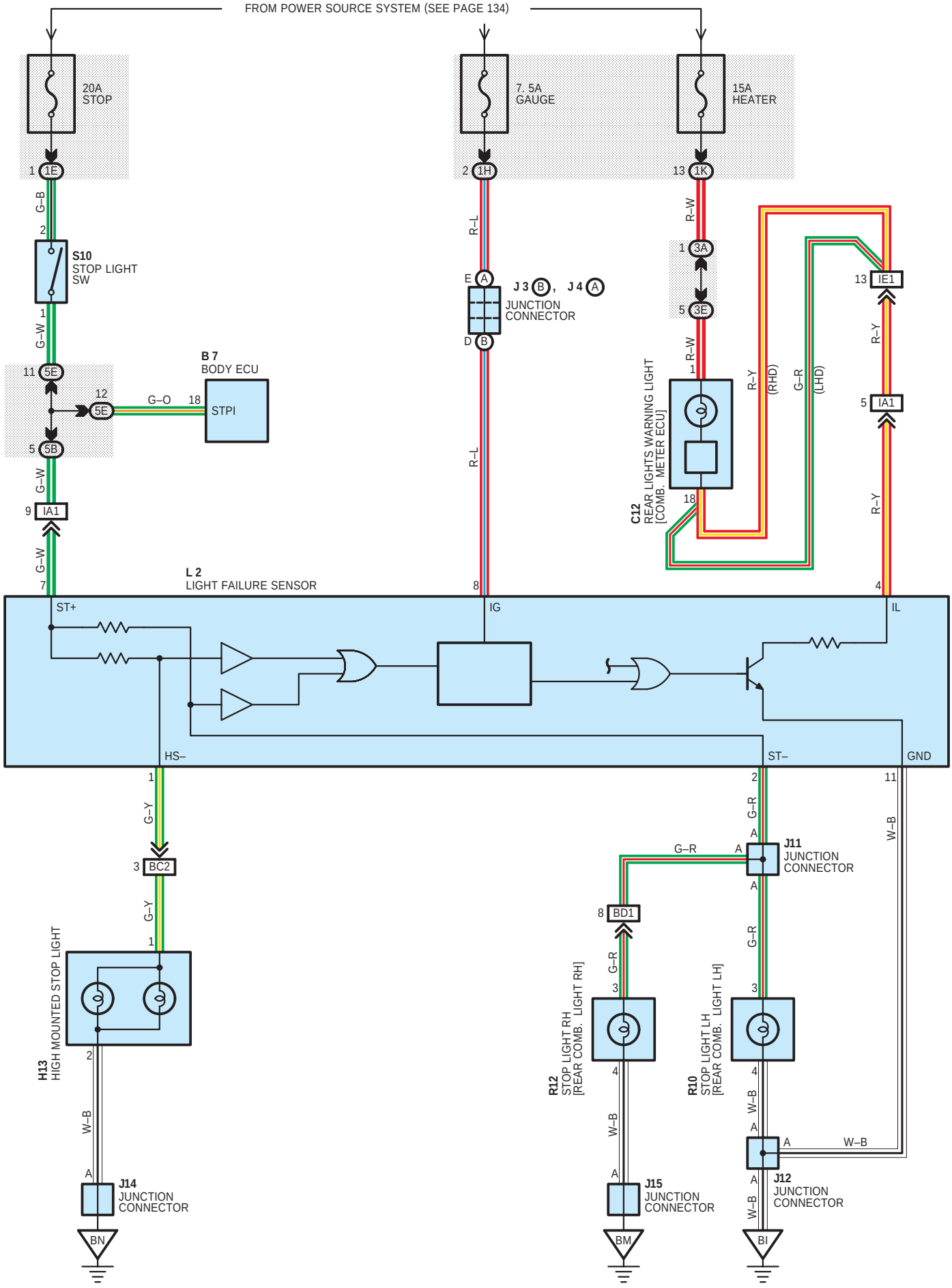
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK1	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)

: GROUND POINTS

Code	See Page	Ground Points Location
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH

STOP LIGHT


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A STOP
7. 5A GAUGE
15A HEATER
1E
1H
1K
G–B
R–L
R–W
S10 STOP LIGHT SW
J3 B, J4 A
JUNCTION CONNECTOR
3A
3E
IE1
IA1
5E
5B
B7 BODY ECU
STPI
G–O
C12 REAR LIGHTS WARNING LIGHT [COMB. METER ECU]
R–Y (RHD)
G–R (LHD)
G–W
L2 LIGHT FAILURE SENSOR
ST+
IG
IL
HS–
ST–
GND
G–Y
BC2
H13 HIGH MOUNTED STOP LIGHT
W–B
J14 JUNCTION CONNECTOR
BN
BD1
R12 STOP LIGHT RH [REAR COMB. LIGHT RH]
J15 JUNCTION CONNECTOR
BM
J11 JUNCTION CONNECTOR
R10 STOP LIGHT LH [REAR COMB. LIGHT LH]
J12 JUNCTION CONNECTOR
BI

SYSTEM OUTLINE

The current always flows from the STOP fuse into TERMINAL 2 of the stop light SW. If the brake pedal is depressed, the stop lights light up.

STOP LIGHT DISCONNECTION WARNING

If any stop light wiring is faulty when the brake pedal is depressed with the ignition SW set at ON, the light failure sensor detects a voltage difference and is activated to turn on the rear lights warning light in the combination meter to warn the driver. The warning light is remained lit until the ignition SW is turned to the OFF position.

SERVICE HINTS

S10 STOP LIGHT SW

1–2 : Closed with the brake pedal depressed

L2 LIGHT FAILURE SENSOR

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B7	92 (LHD)	J4 A	101 (RHD)	L2	94 (LHD)
	100 (RHD)	J11	94 (LHD)		102 (RHD)
C12	92 (LHD)		102 (RHD)	R10	95 (LHD)
	100 (RHD)	J12	94 (LHD)		103 (RHD)
H13	94 (LHD)		102 (RHD)	R12	95 (LHD)
	102 (RHD)	J14	94 (LHD)		103 (RHD)
J3 B	93 (LHD)		102 (RHD)	S10	93 (LHD)
	101 (RHD)	J15	94 (LHD)		101 (RHD)
J4 A	93 (LHD)		102 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

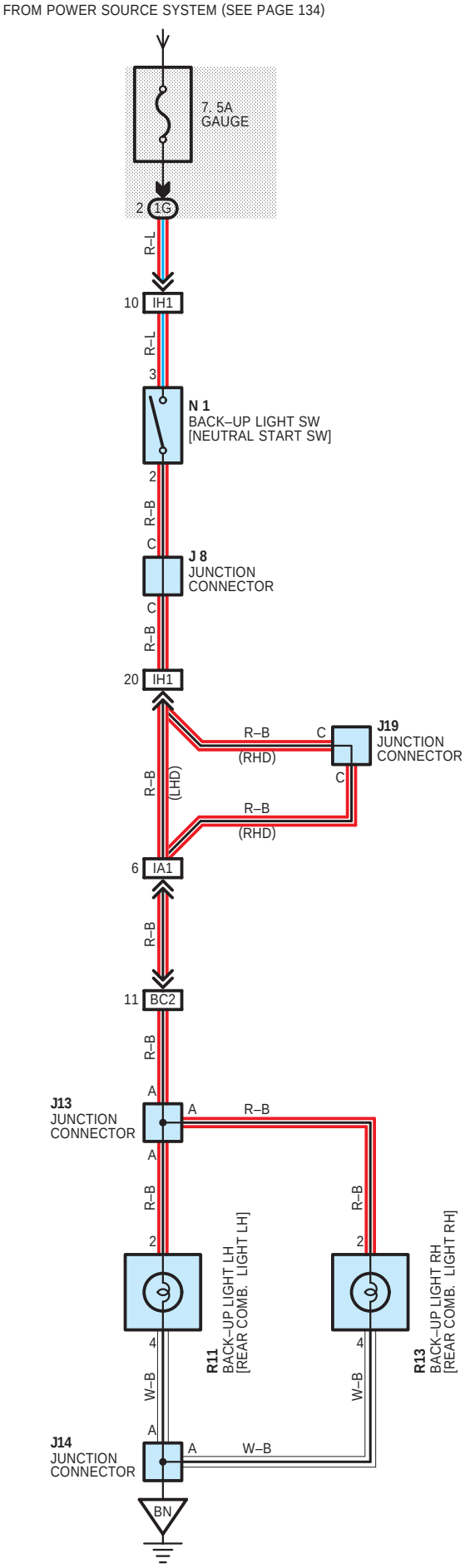
▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
	118 (RHD)	
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
	122 (RHD)	
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
	122 (RHD)	

STOP LIGHT

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BI	112 (LHD)	Upper the Rear Axle Housing Left
	122 (RHD)	
BM	112 (LHD)	Under the Rear RH Seat
	122 (RHD)	
BN	112 (LHD)	Back Panel Center
	122 (RHD)	


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A
GAUGE
2 1G
R–L
10 IH1
R–L
3
N 1
BACK–UP LIGHT SW
[NEUTRAL START SW]
2
R–B
C
J 8
JUNCTION
CONNECTOR
C
R–B
20 IH1
R–B
C
J19
JUNCTION
CONNECTOR
(RHD)
C
R–B
(LHD)
R–B
(RHD)
6 IA1
R–B
11 BC2
R–B
A
J13
JUNCTION
CONNECTOR
A
R–B
A
R–B
R–B
2
2
R11
BACK–UP LIGHT LH
[REAR COMB. LIGHT LH]
R13
BACK–UP LIGHT RH
[REAR COMB. LIGHT RH]
4
4
W–B
W–B
A
J14
JUNCTION
CONNECTOR
A
W–B
BN

SERVICE HINTS

N1 BACK–UP LIGHT SW [NEUTRAL START SW]

3–2 : Closed with the shift lever in **R** position

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J8	93 (LHD)	J14	102 (RHD)	R11	103 (RHD)
	101 (RHD)	J19	101 (RHD)	R13	95 (LHD)
J13	94 (LHD)	N1	91 (LHD)		103 (RHD)
	102 (RHD)		99 (RHD)		
J14	94 (LHD)	R11	95 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

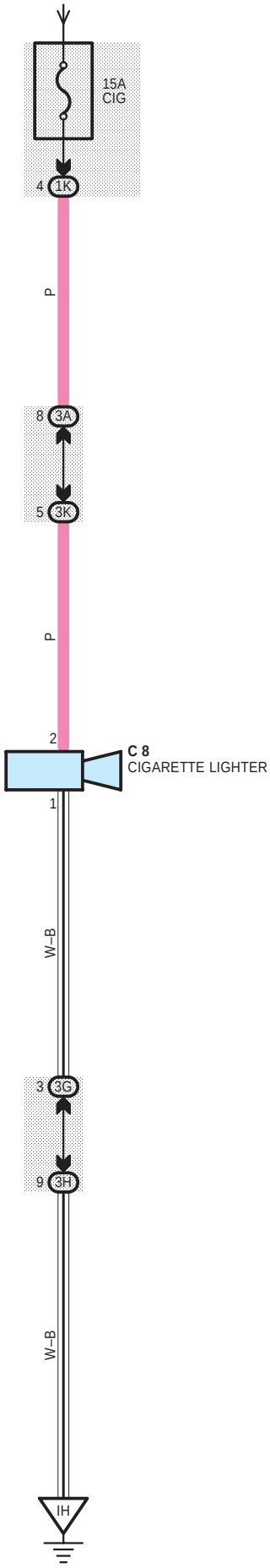
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
	118 (RHD)	
IH1	110 (LHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
	120 (RHD)	
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
	122 (RHD)	

: GROUND POINTS

Code	See Page	Ground Points Location
BN	112 (LHD)	Back Panel Center
	122 (RHD)	

CIGARETTE LIGHTER

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



SERVICE HINTS

C8 CIGARETTE LIGHTER

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

1–GROUND : Always continuity

: PARTS LOCATION

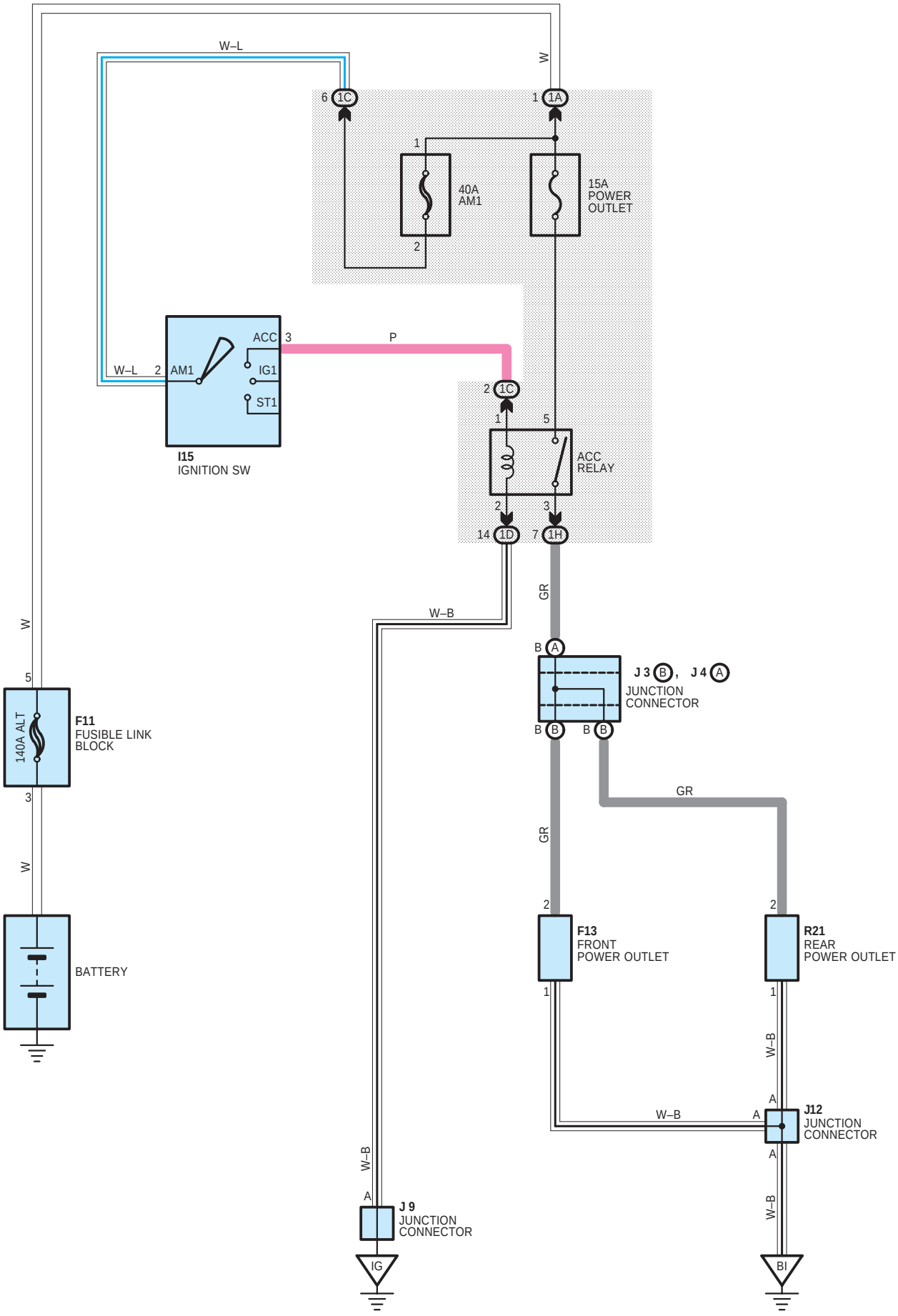
Code	See Page	Code	See Page	Code	See Page
C8	92 (LHD)	C8	100 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1K	78 (LHD) 80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3G		
3H		
3K		

: GROUND POINTS

Code	See Page	Ground Points Location
IH	108 (LHD) 118 (RHD)	Instrument Panel Brace RH


W–L
W
6 1C
1 1A
1
40A
AM1
2
15A
POWER
OUTLET
ACC 3
P
W–L 2 AM1
IG1
ST1
I15
IGNITION SW
2 1C
1
5
ACC
RELAY
2
3
14 1D
7 1H
GR
W–B
B A
J 3 B , J 4 A
JUNCTION
CONNECTOR
B B B B
W
5
140A ALT
F11
FUSIBLE LINK
BLOCK
3
W
BATTERY
GR
2
F13
FRONT
POWER OUTLET
1
2
R21
REAR
POWER OUTLET
1
W–B
A
J12
JUNCTION
CONNECTOR
A
W–B
W–B
A
J 9
JUNCTION
CONNECTOR
IG
BI

SERVICE HINTS

F13 FRONT POWER OUTLET

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

R21 REAR POWER OUTLET

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

: PARTS LOCATION

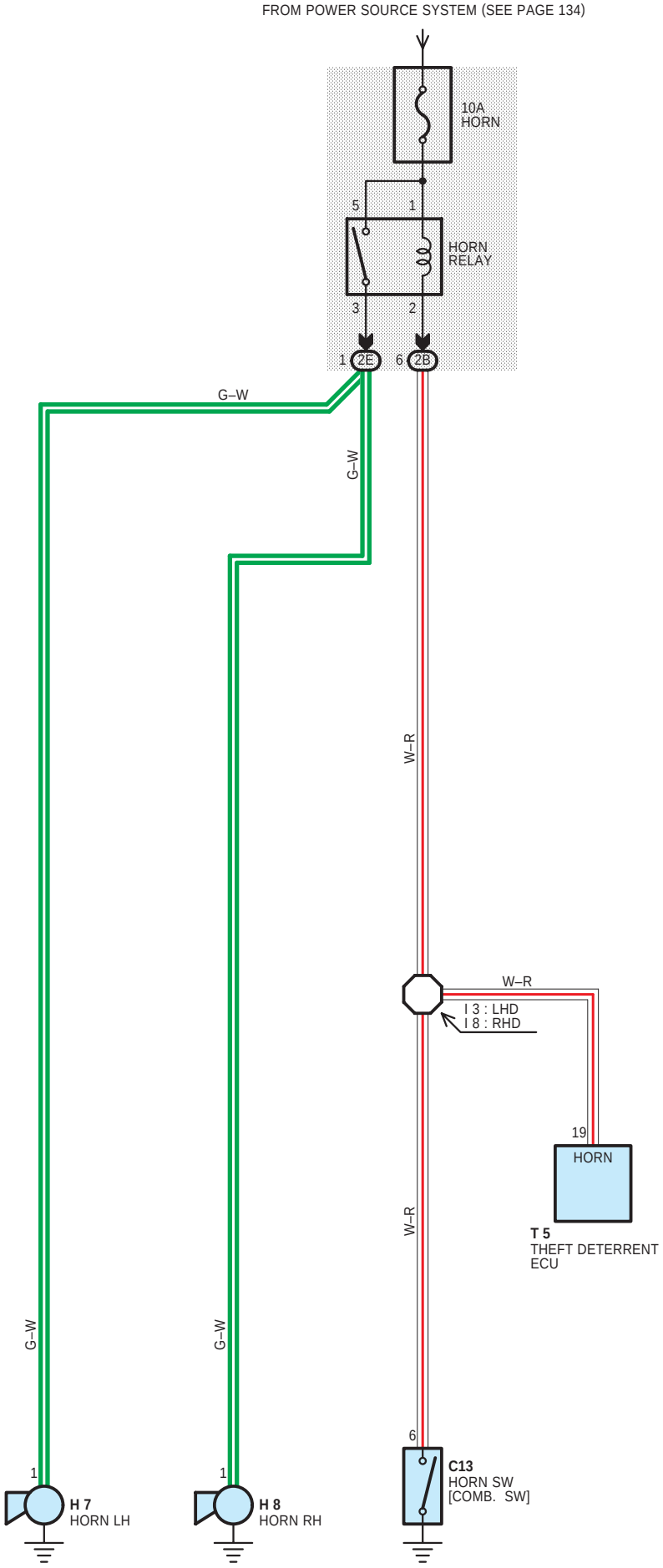
Code	See Page	Code		See Page	Code	See Page
F11	90 (LHD)	J3	B	93 (LHD)	J12	94 (LHD)
	98 (RHD)			101 (RHD)		102 (RHD)
F13	93 (LHD)	J4	A	93 (LHD)	R21	95 (LHD)
	101 (RHD)			101 (RHD)		103 (RHD)
I15	93 (LHD)	J9		93 (LHD)		
	101 (RHD)			101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1C	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1D	78 (LHD)	
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	

: GROUND POINTS

Code	See Page	Ground Points Location
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	
BI	112 (LHD)	Upper the Rear Axle Housing Left
	122 (RHD)	


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
10A
HORN
5
1
HORN
RELAY
3
2
1
2E
6
2B
G–W
G–W
W–R
W–R
I 3 : LHD
I 8 : RHD
19
HORN
T 5
THEFT DETERRENT
ECU
W–R
G–W
G–W
6
C13
HORN SW
[COMB. SW]
1
H 7
HORN LH
1
H 8
HORN RH

SERVICE HINTS

HORN RELAY

5–3 : Closed with the horn SW on

: PARTS LOCATION

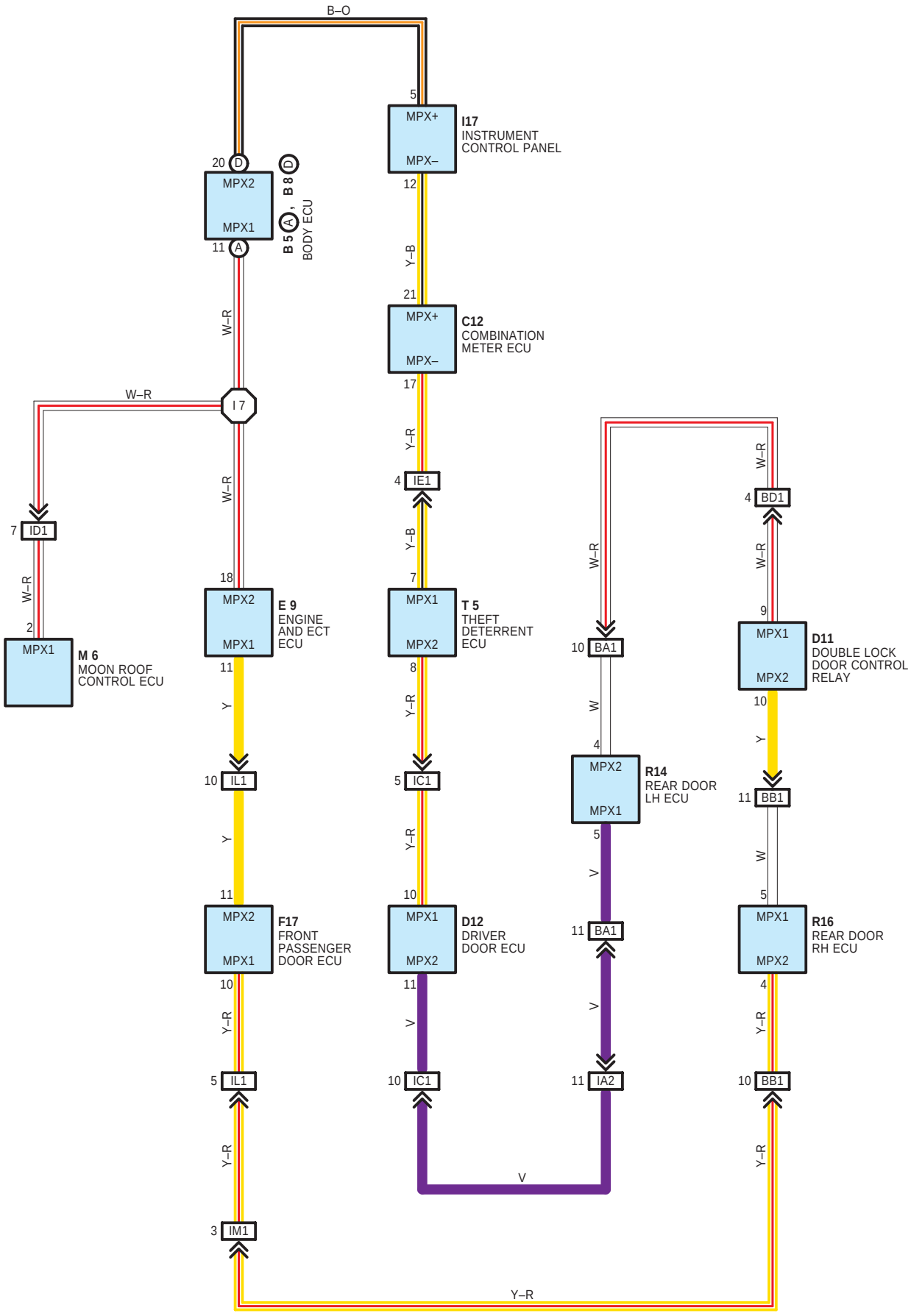
Code	See Page	Code	See Page	Code	See Page
C13	92 (LHD)	H7	98 (RHD)	T5	93 (LHD)
	100 (RHD)	H8	90 (LHD)		101 (RHD)
H7	90 (LHD)		98 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

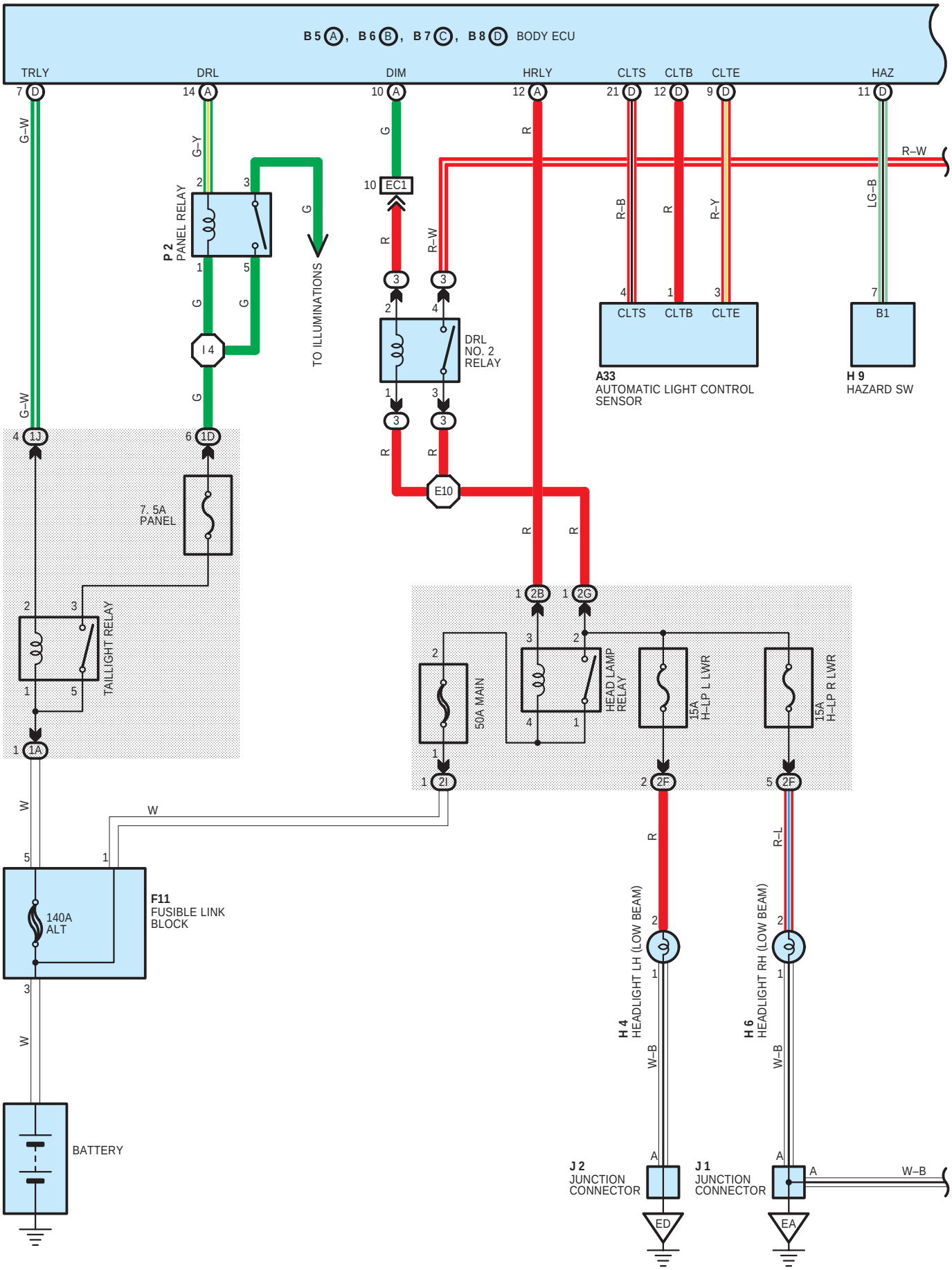
: SPLICE POINTS

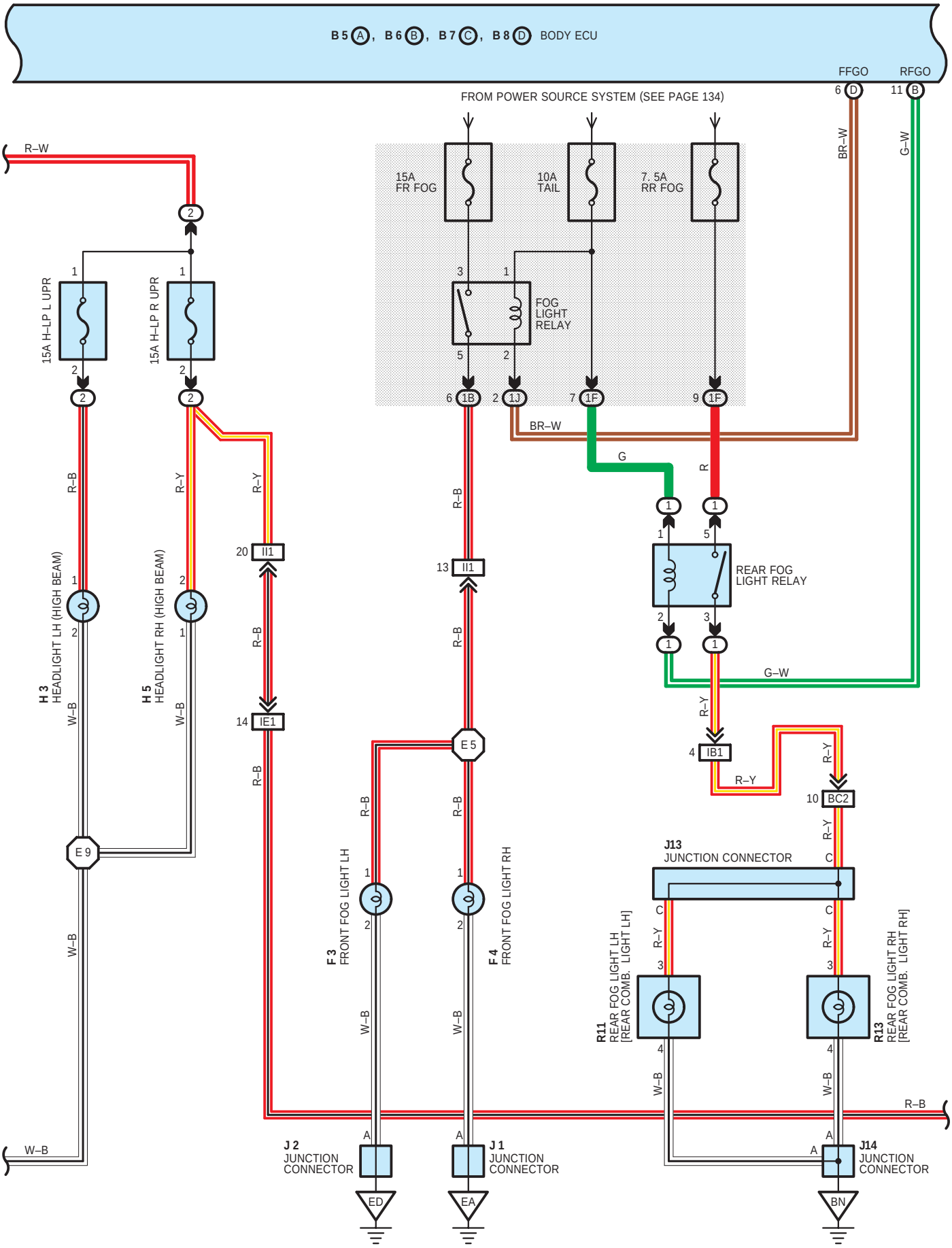
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	110 (LHD)	Cowl Wire	I8	120 (RHD)	Cowl Wire


B–O
5
MPX+
MPX–
I17
INSTRUMENT
CONTROL PANEL
12
Y–B
21
MPX+
MPX–
C12
COMBINATION
METER ECU
17
Y–R
4
IE1
Y–B
7
MPX1
MPX2
T 5
THEFT
DETERRENT
ECU
8
Y–R
5
IC1
Y–R
10
MPX1
MPX2
D12
DRIVER
DOOR ECU
11
V
10
IC1
20
D
MPX2
MPX1
11
A
B 5 (A), B 8 (D)
BODY ECU
W–R
W–R
I 7
W–R
7
ID1
W–R
2
MPX1
M 6
MOON ROOF
CONTROL ECU
18
MPX2
MPX1
E 9
ENGINE
AND ECT
ECU
11
Y
10
IL1
Y
11
MPX2
MPX1
F17
FRONT
PASSENGER
DOOR ECU
10
Y–R
5
IL1
Y–R
3
IM1
W–R
10
BA1
W
4
MPX2
MPX1
R14
REAR DOOR
LH ECU
5
V
11
BA1
V
11
IA2
V
W–R
4
BD1
W–R
9
MPX1
MPX2
D11
DOUBLE LOCK
DOOR CONTROL
RELAY
10
Y
11
BB1
W
5
MPX1
MPX2
R16
REAR DOOR
RH ECU
4
Y–R
10
BB1
Y–R
Y–R

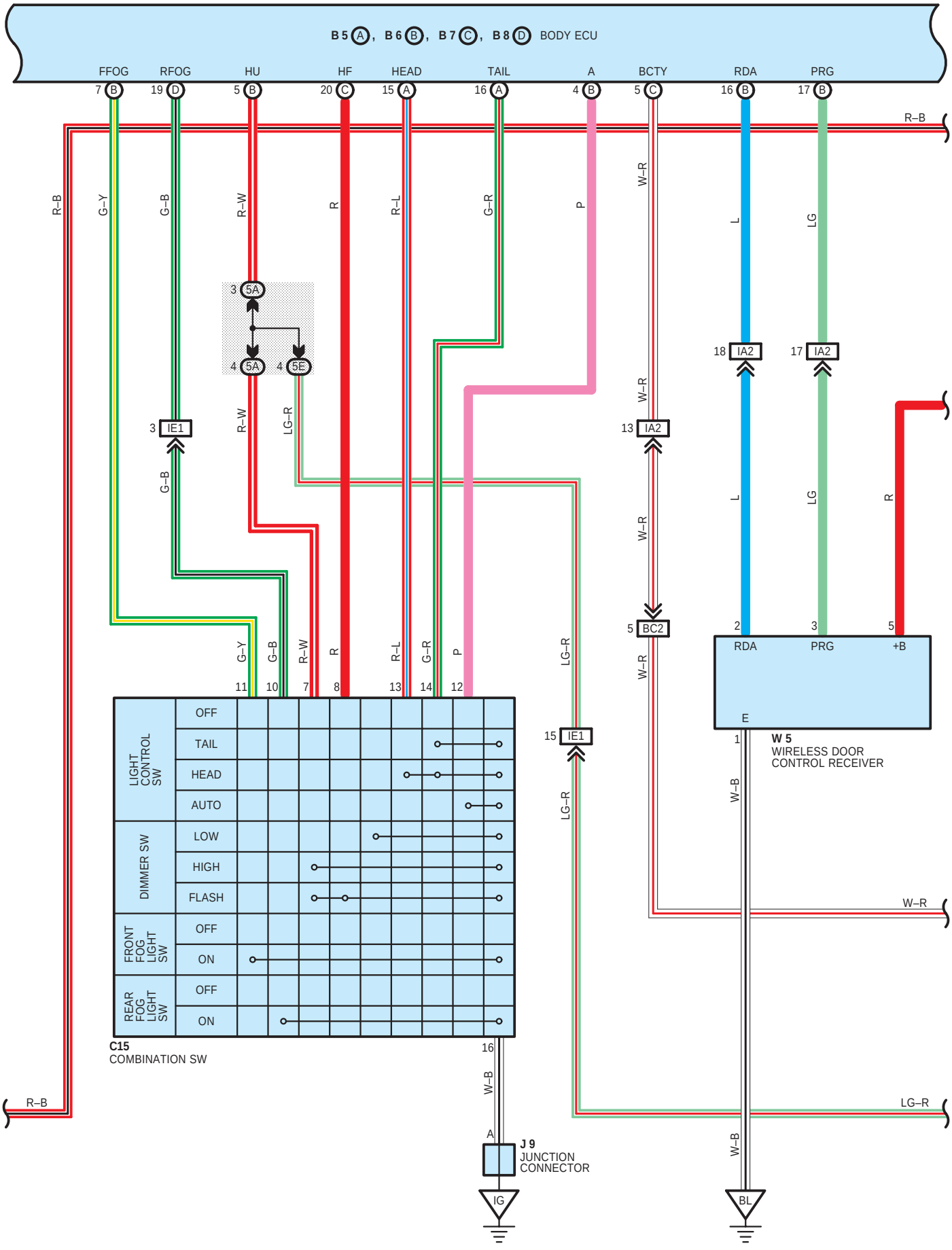
MULTIPLEX COMMUNICATION SYSTEM INCLUDES FOLLOWING SYSTEMS

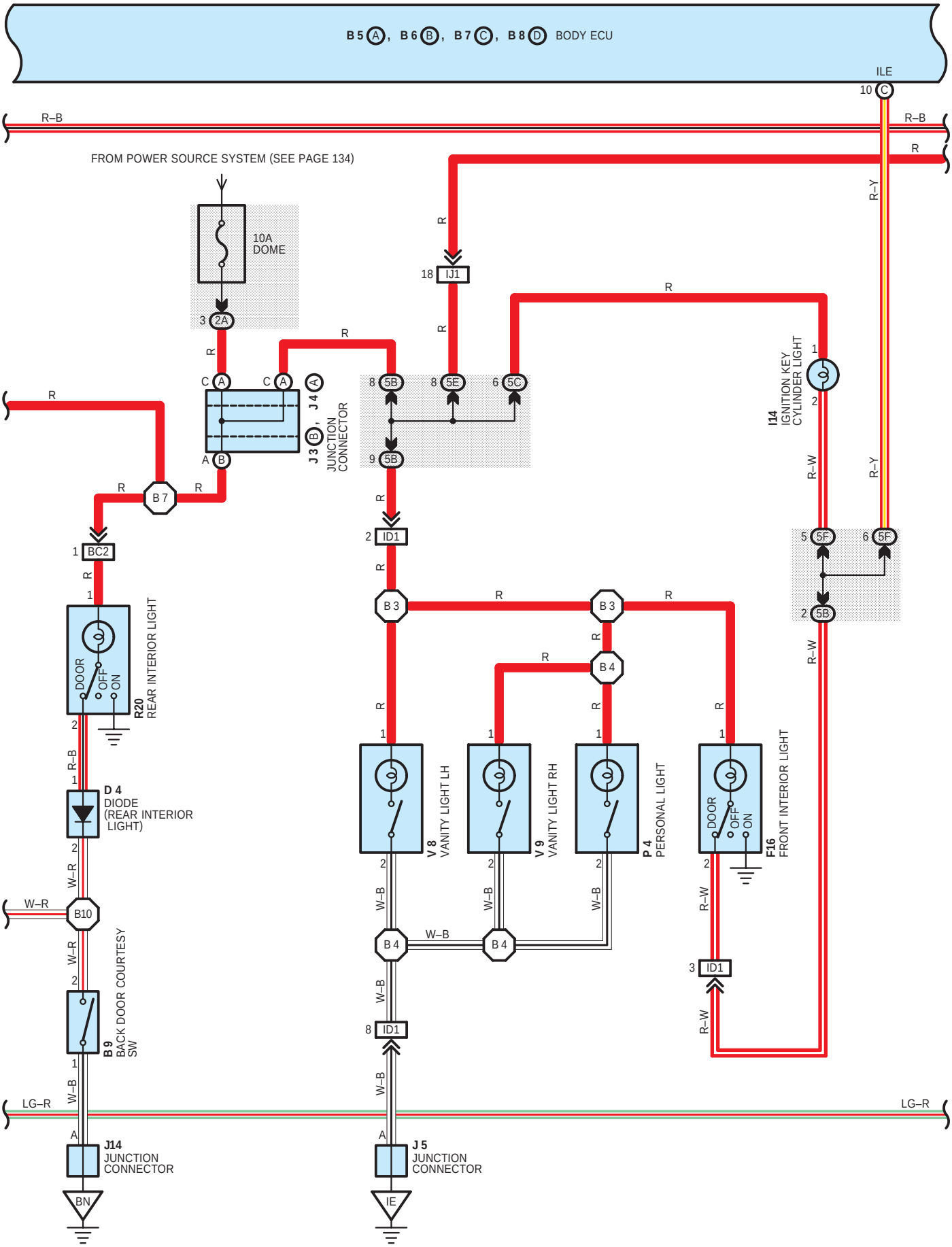
- **AUTOMATIC LIGHT CONTROL**
- **DOUBLE LOCKING SYSTEM**
- **FRONT FOG LIGHT**
- **HEADLIGHT**
- **INTERIOR LIGHT**
- **SEAT BELT WARNING**
- **LIGHT AUTO TURN OFF**
- **LIGHT REMINDER BUZZER**
- **POWER WINDOW**
- **REAR FOG LIGHT**
- **REAR WIPER AND WASHER**
- **THEFT DETERRENT AND DOOR LOCK CONTROL**
- **WIRELESS DOOR LOCK CONTROL**

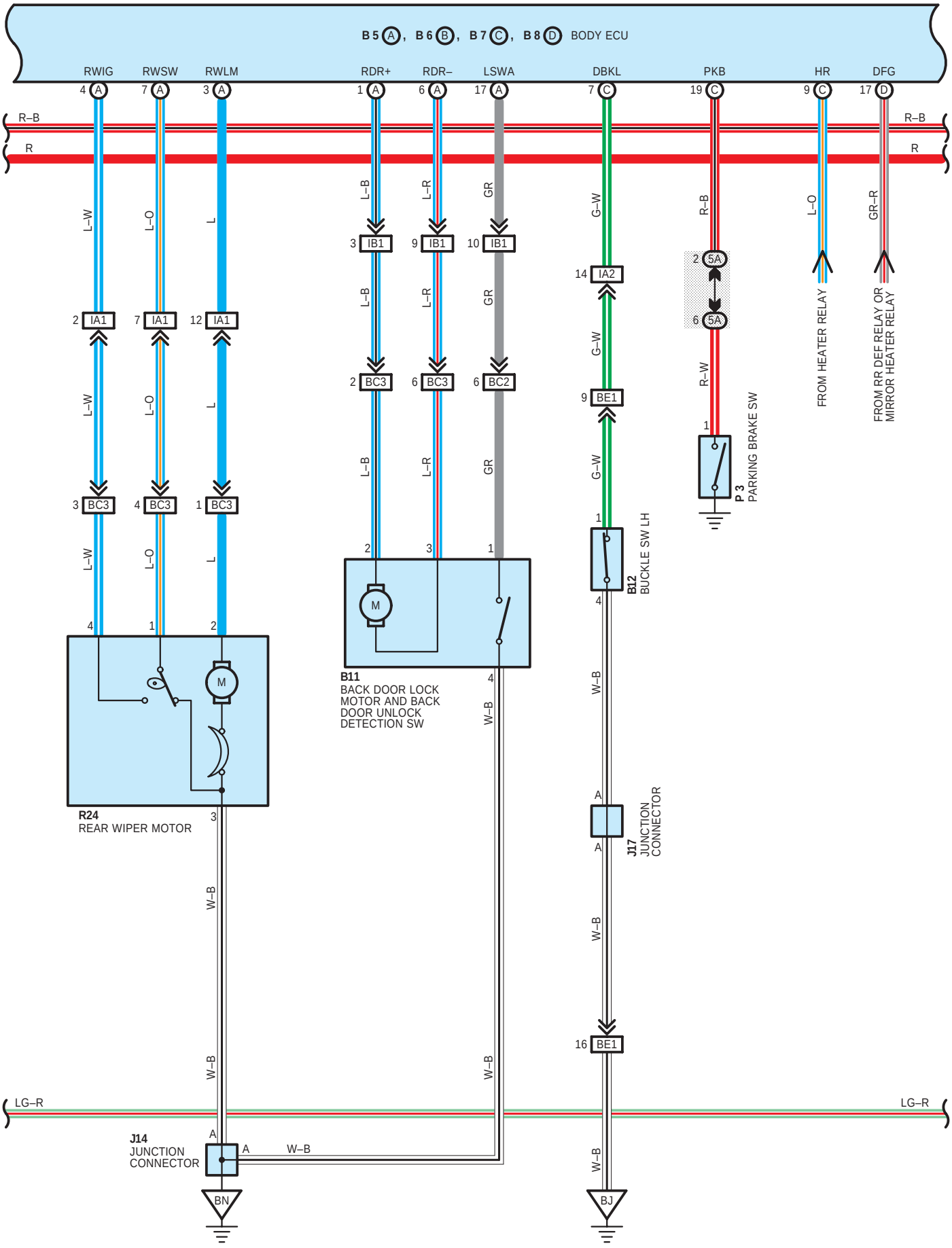

B5 A, B6 B, B7 C, B8 D BODY ECU
TRLY
DRL
DIM
HRLY
CLTS
CLTB
CLTE
HAZ
P 2
PANEL RELAY
TO ILLUMINATIONS
EC1
DRL
NO. 2
RELAY
A33
AUTOMATIC LIGHT CONTROL
SENSOR
H 9
HAZARD SW
7. 5A
PANEL
TAILLIGHT RELAY
E10
50A MAIN
HEAD LAMP
RELAY
15A
H-LP L LWR
15A
H-LP R LWR
F11
FUSIBLE LINK
BLOCK
140A
ALT
BATTERY
H 4
HEADLIGHT LH (LOW BEAM)
H 6
HEADLIGHT RH (LOW BEAM)
J 2
JUNCTION
CONNECTOR
J 1
JUNCTION
CONNECTOR
ED
EA
G–W
G–Y
G
R
R–W
R–B
R–Y
LG–B
W
W–B
R–L

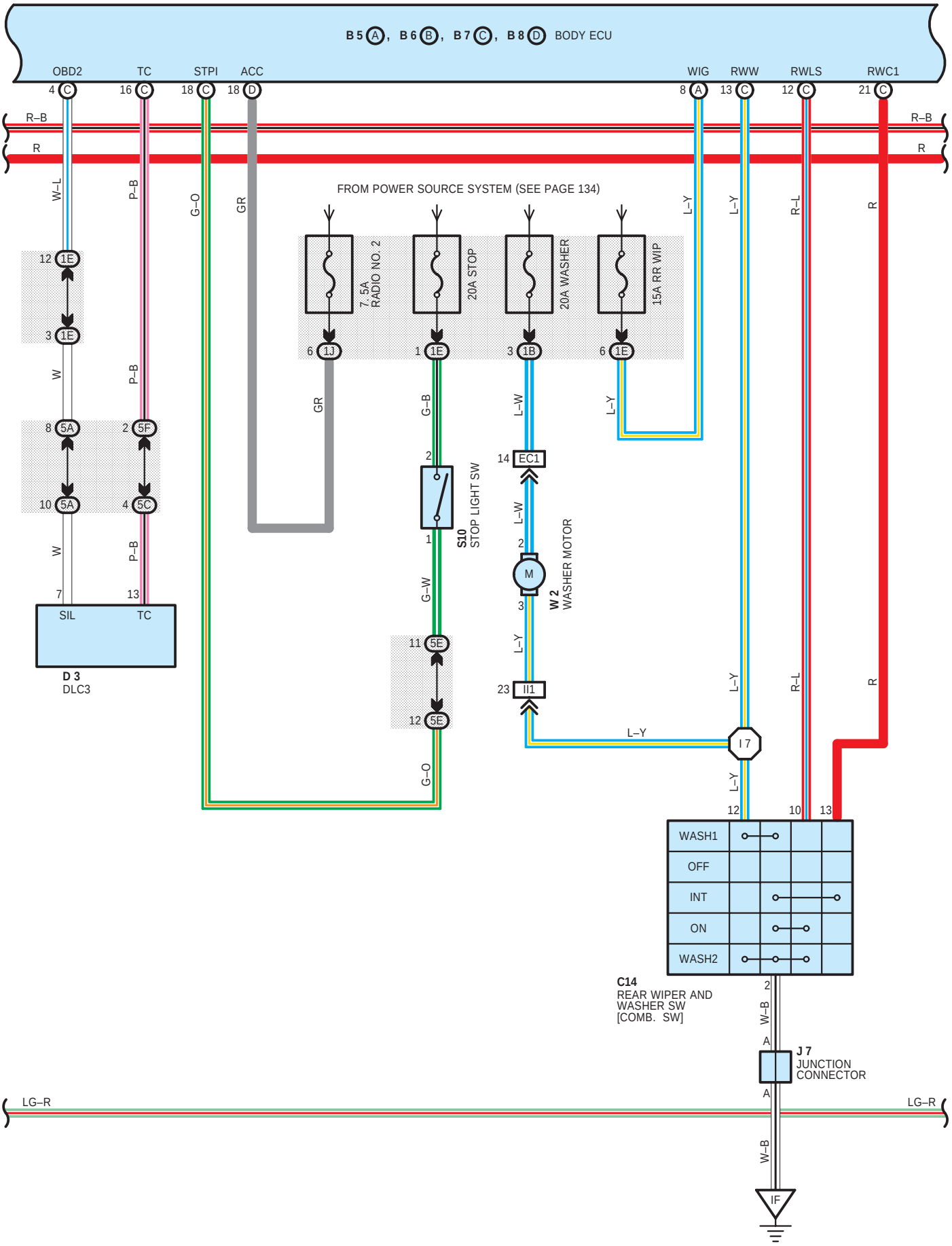

B5 A, B6 B, B7 C, B8 D BODY ECU
FFGO
RFGO
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
BR–W
G–W
R–W
15A FR FOG
10A TAIL
7.5A RR FOG
FOG LIGHT RELAY
15A H–LP L UPR
15A H–LP R UPR
BR–W
G
R
REAR FOG LIGHT RELAY
G–W
R–B
R–Y
H 3 HEADLIGHT LH (HIGH BEAM)
H 5 HEADLIGHT RH (HIGH BEAM)
W–B
E 9
E 5
F 3 FRONT FOG LIGHT LH
F 4 FRONT FOG LIGHT RH
J13 JUNCTION CONNECTOR
R11 REAR FOG LIGHT LH [REAR COMB. LIGHT LH]
R13 REAR FOG LIGHT RH [REAR COMB. LIGHT RH]
J 2 JUNCTION CONNECTOR
J 1 JUNCTION CONNECTOR
J14 JUNCTION CONNECTOR
ED
EA
BN

MULTIPLEX COMMUNICATION SYSTEM (LHD)

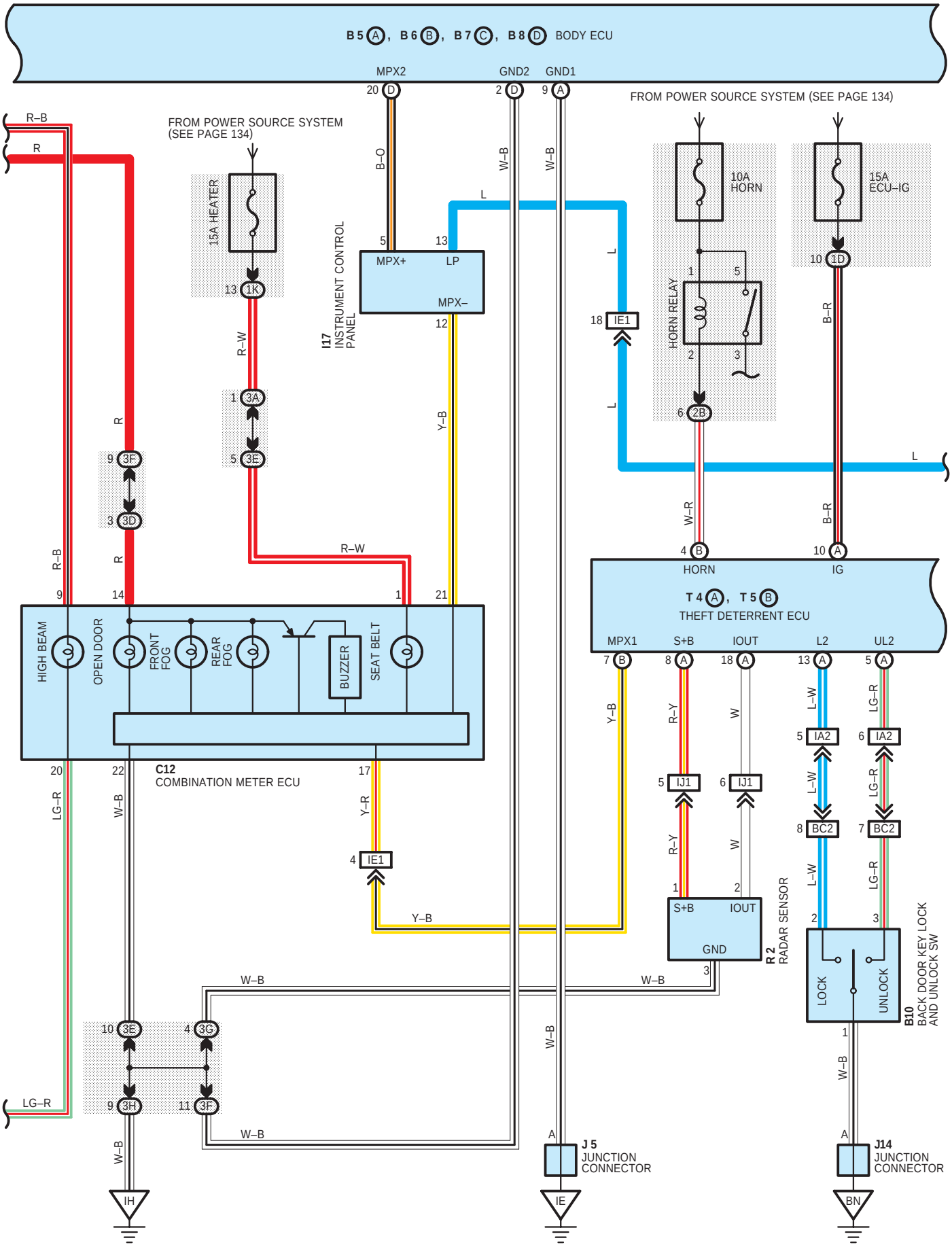


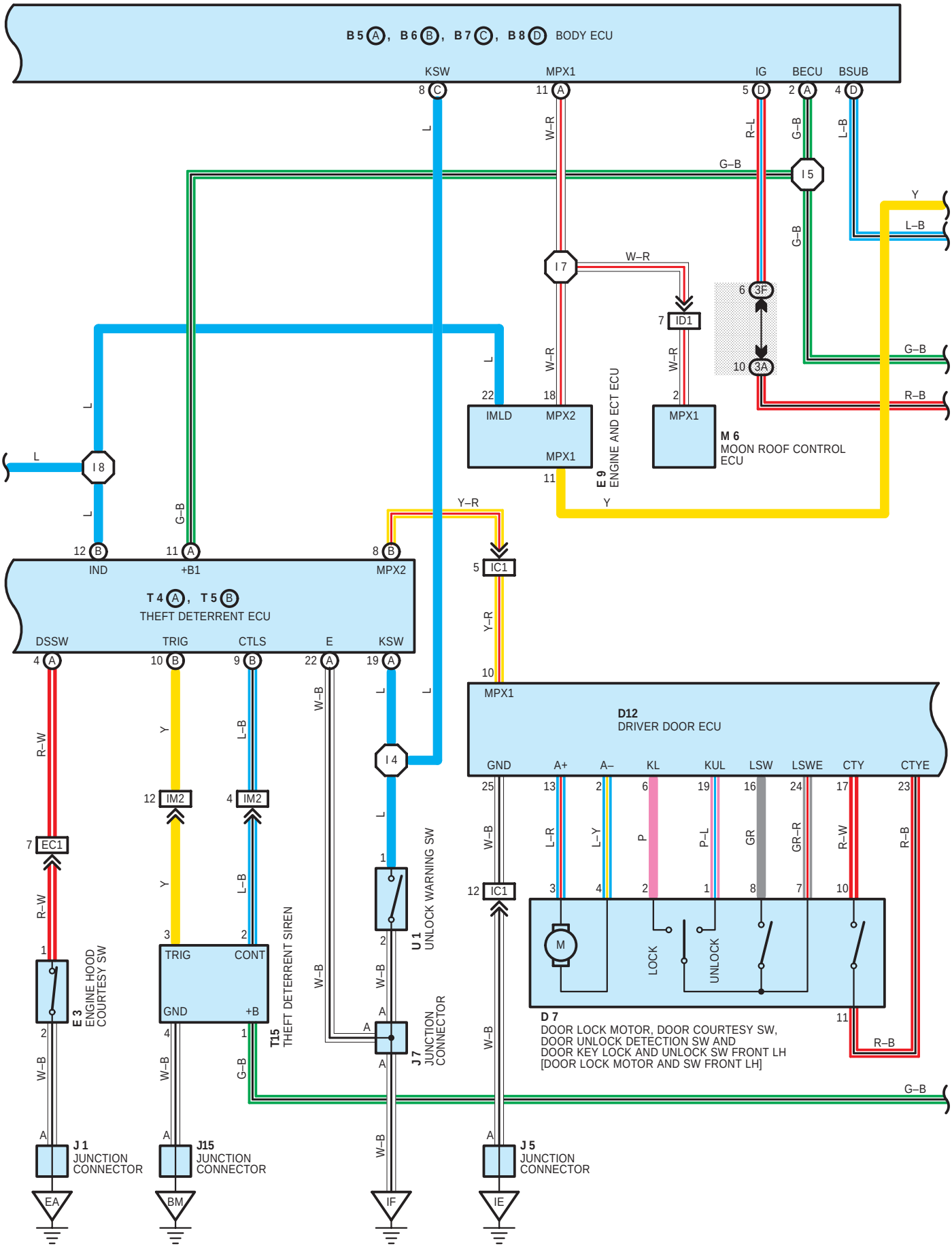

B5 A, B6 B, B7 C, B8 D BODY ECU
ILE
10 C
R–B
R–B
R
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
10A DOME
3 2A
R
R–Y
18 IJ1
R
R
C A
C A
A B
J3 B, J4 A JUNCTION CONNECTOR
8 5B
8 5E
6 5C
9 5B
I14 IGNITION KEY CYLINDER LIGHT
1
2
R–W
R–Y
5 5F
6 5F
2 5B
R–W
R
B7
R
R
1 BC2
R
1
DOOR
OFF
ON
R20 REAR INTERIOR LIGHT
2
R–B
1
D4 DIODE (REAR INTERIOR LIGHT)
2
W–R
W–R
B10
W–R
2
B9 BACK DOOR COURTESY SW
1
W–B
2 ID1
R
B3
R
B3
R
R
B4
R
R
R
1
1
1
1
V8 VANITY LIGHT LH
V9 VANITY LIGHT RH
P4 PERSONAL LIGHT
F16 FRONT INTERIOR LIGHT
DOOR
OFF
ON
2
2
2
2
W–B
W–B
W–B
R–W
B4
W–B
B4
3 ID1
R–W
W–B
8 ID1
W–B
LG–R
LG–R
A
J14 JUNCTION CONNECTOR
BN
A
J5 JUNCTION CONNECTOR
IE


B5 A, B6 B, B7 C, B8 D BODY ECU
RWIG
RWSW
RWLM
RDR+
RDR–
LSWA
DBKL
PKB
HR
DFG
R–B
R
L–W
L–O
L
L–B
L–R
GR
G–W
R–W
GR–R
IA1
IA2
IB1
BC3
BC2
BE1
5A
FROM HEATER RELAY
FROM RR DEF RELAY OR MIRROR HEATER RELAY
P 3
PARKING BRAKE SW
B12
BUCKLE SW LH
B11
BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW
R24
REAR WIPER MOTOR
J17
JUNCTION CONNECTOR
J14
JUNCTION CONNECTOR
W–B
LG–R
BN
BJ

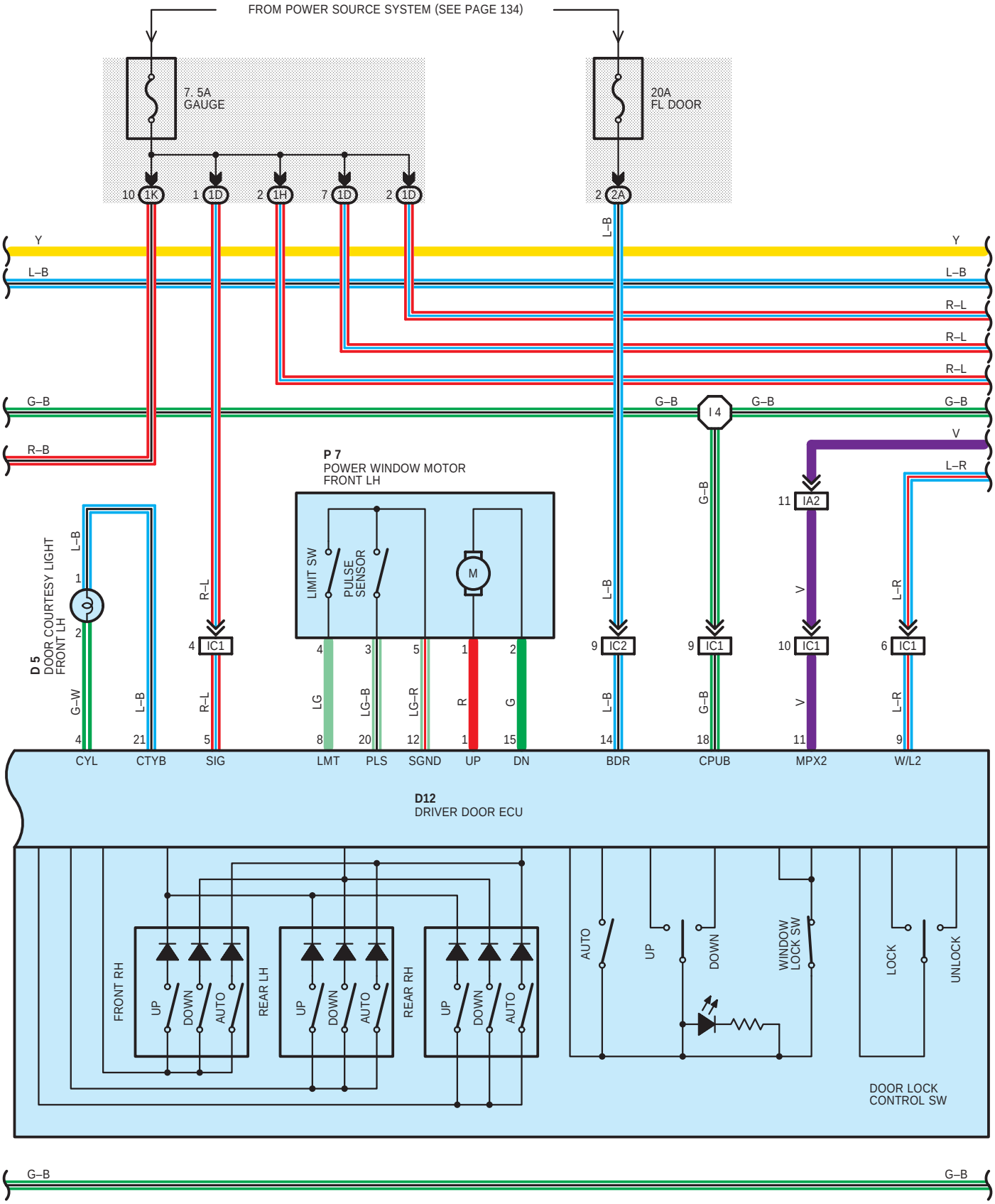

B5 A, B6 B, B7 C, B8 D BODY ECU
OBD2
TC
STPI
ACC
WIG
RWW
RWLS
RWC1
4 C
16 C
18 C
18 D
8 A
13 C
12 C
21 C
R–B
R
W–L
P–B
G–O
GR
L–Y
R–L
R
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7.5A RADIO NO. 2
20A STOP
20A WASHER
15A RR WIP
6 1J
1 1E
3 1B
6 1E
12 1E
3 1E
W
8 5A
10 5A
7
SIL
2 5F
4 5C
13
TC
D 3
DLC3
G–B
2
1
S10
STOP LIGHT SW
G–W
11 5E
12 5E
14 EC1
L–W
2
M
3
W 2
WASHER MOTOR
23 II1
I 7
12
10
13
WASH1
OFF
INT
ON
WASH2
C14
REAR WIPER AND WASHER SW [COMB. SW]
2
W–B
A
J 7
JUNCTION CONNECTOR
LG–R
IF

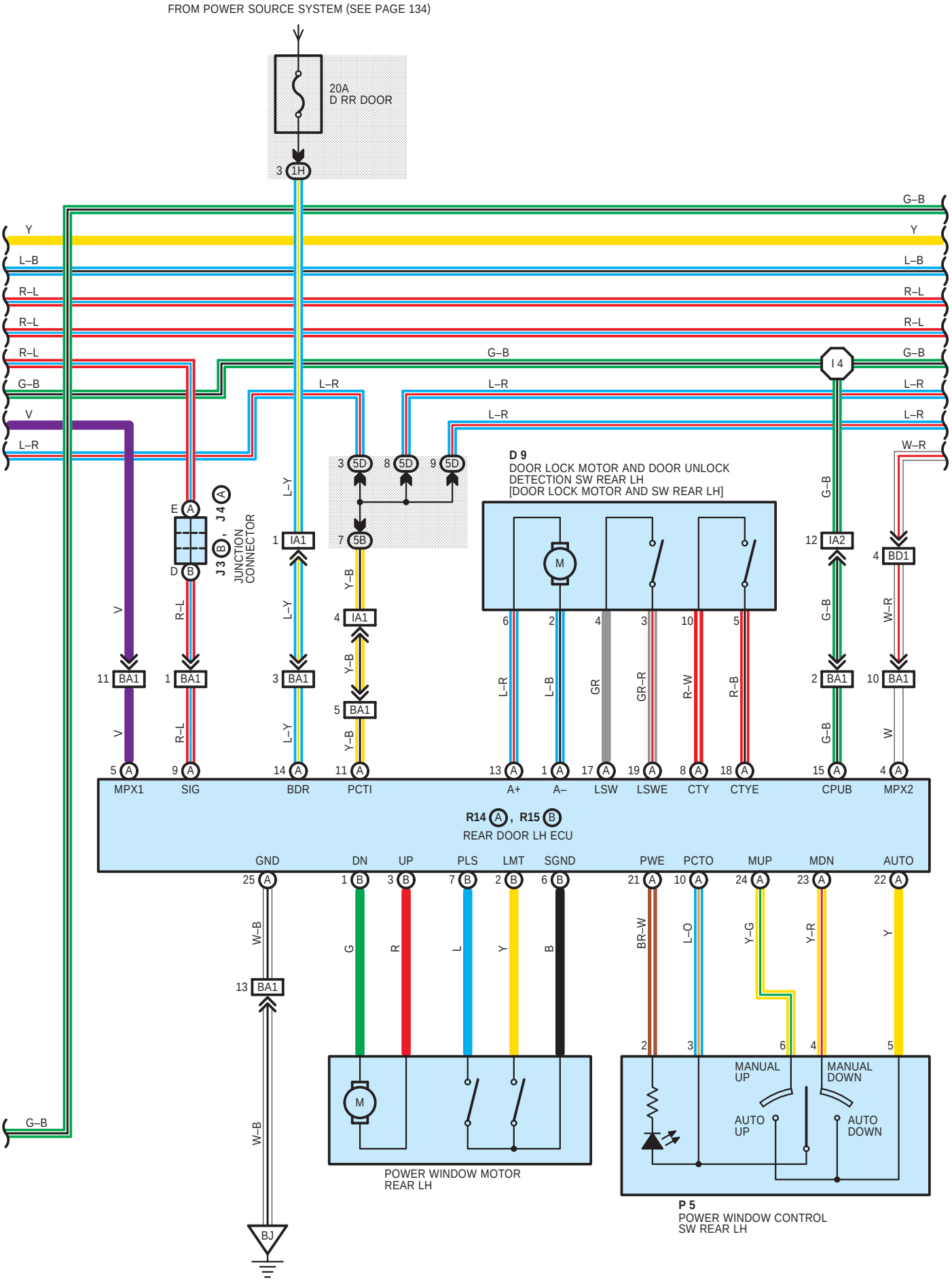
MULTIPLEX COMMUNICATION SYSTEM (LHD)

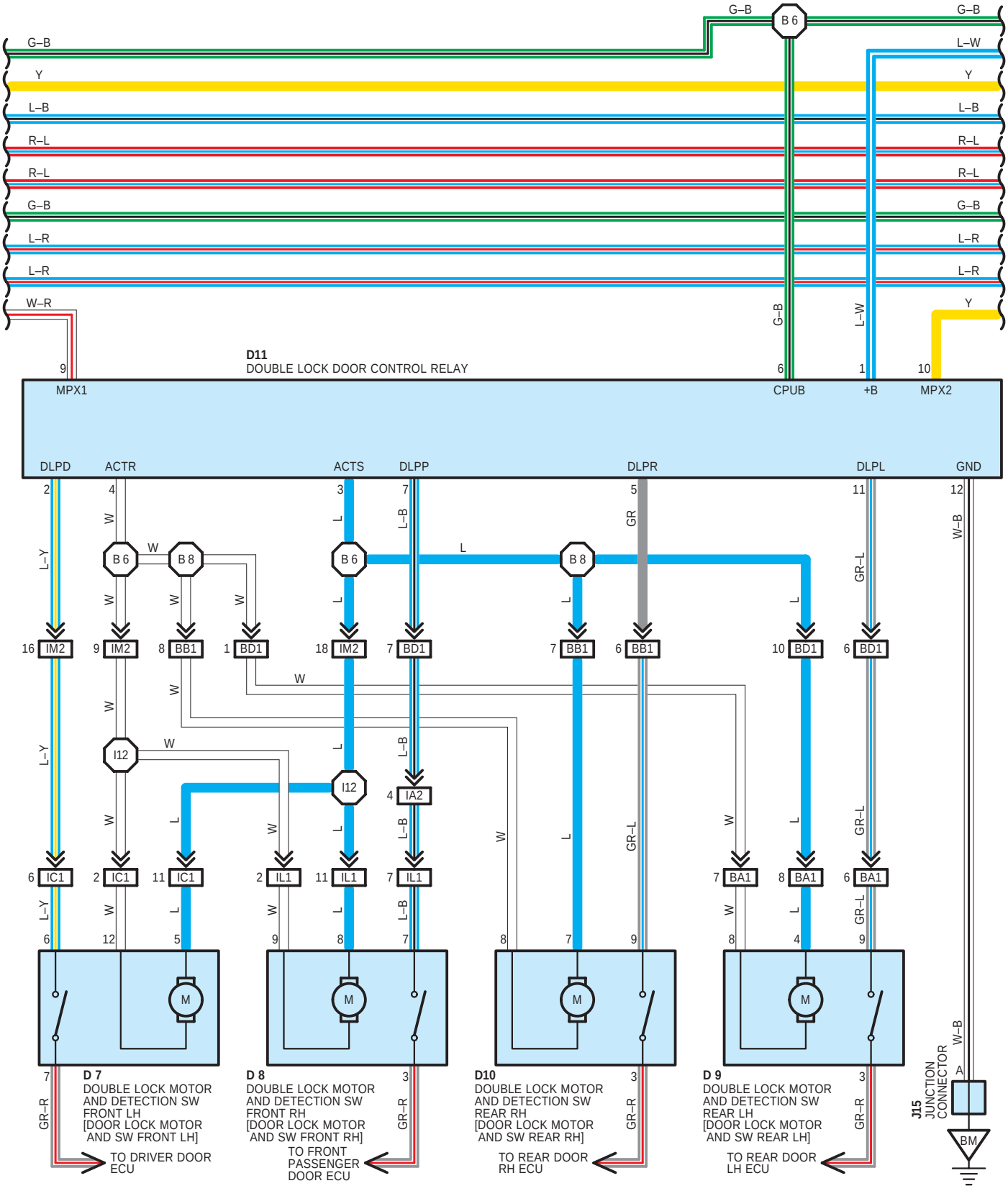


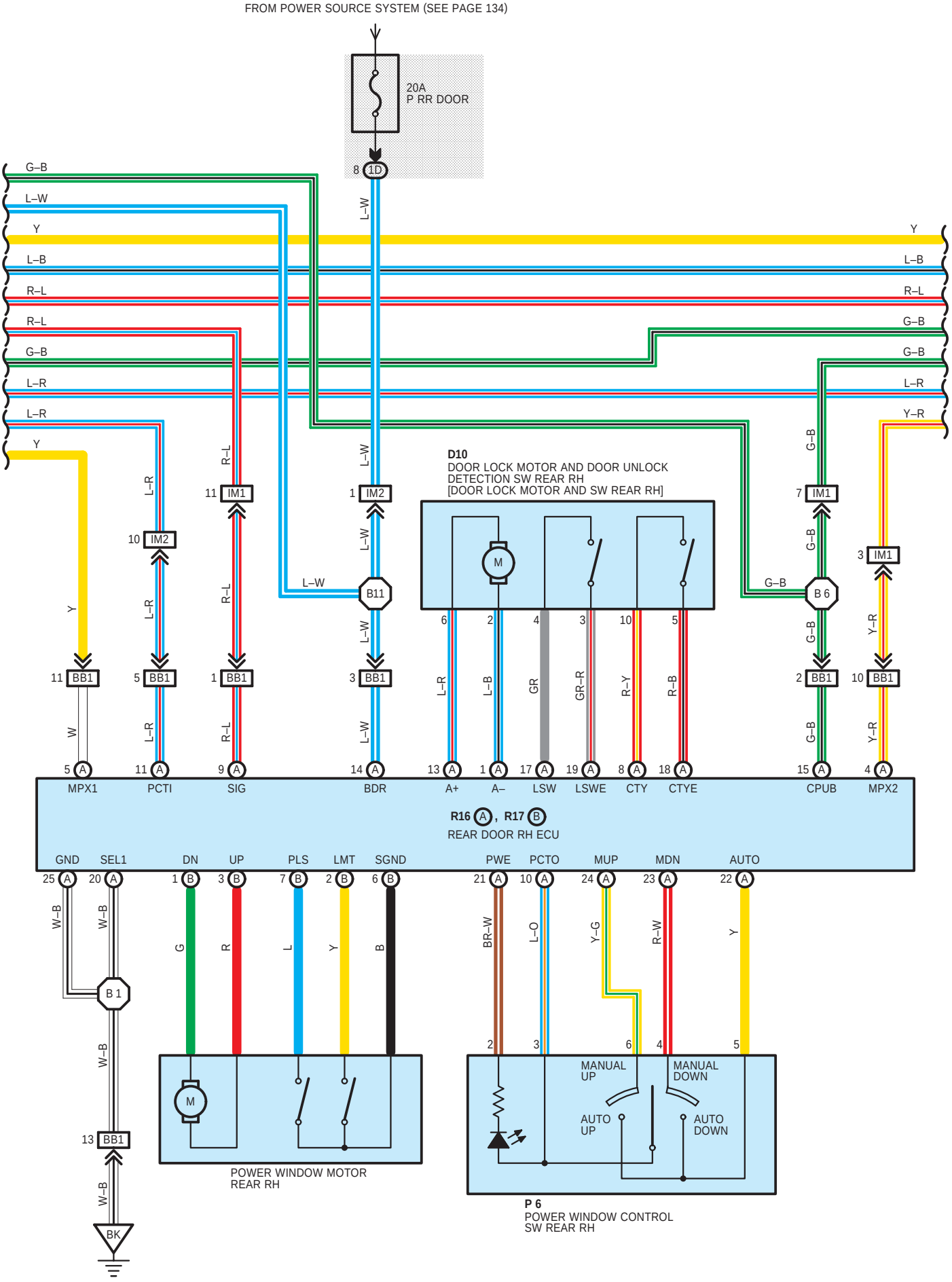

B5 A, B6 B, B7 C, B8 D BODY ECU
KSW
MPX1
IG
BECU
BSUB
8 C
11 A
5 D
2 A
4 D
L
W–R
R–L
G–B
L–B
I 5
I 7
W–R
6 3F
7 ID1
10 3A
G–B
R–B
Y
L–B
G–B
22
IMLD
18
MPX2
MPX1
2
MPX1
M 6
MOON ROOF CONTROL ECU
E 9
ENGINE AND ECT ECU
11
Y
L
I 8
L
L
G–B
Y–R
12 B
IND
11 A
+B1
8 B
MPX2
5 IC1
T4 A, T5 B
THEFT DETERRENT ECU
Y–R
10
DSSW
TRIG
CTLS
E
KSW
4 A
10 B
9 B
22 A
19 A
MPX1
D12
DRIVER DOOR ECU
R–W
Y
L–B
W–B
L
L
I 4
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IM2
4 IM2
1
12 IC1
7 EC1
R–W
Y
L–B
3
2
TRIG
CONT
GND
+B
U 1
UNLOCK WARNING SW
W–B
W–B
W–B
1
3
2
1
8
7
10
M
LOCK
UNLOCK
E 3
ENGINE HOOD COURTESY SW
T15
THEFT DETERRENT SIREN
J7
JUNCTION CONNECTOR
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR UNLOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT LH [DOOR LOCK MOTOR AND SW FRONT LH]
11
R–B
G–B
W–B
G–B
A
J 1
JUNCTION CONNECTOR
J15
JUNCTION CONNECTOR
J 5
JUNCTION CONNECTOR
EA
BM
IF
IE

MULTIPLEX COMMUNICATION SYSTEM (LHD)

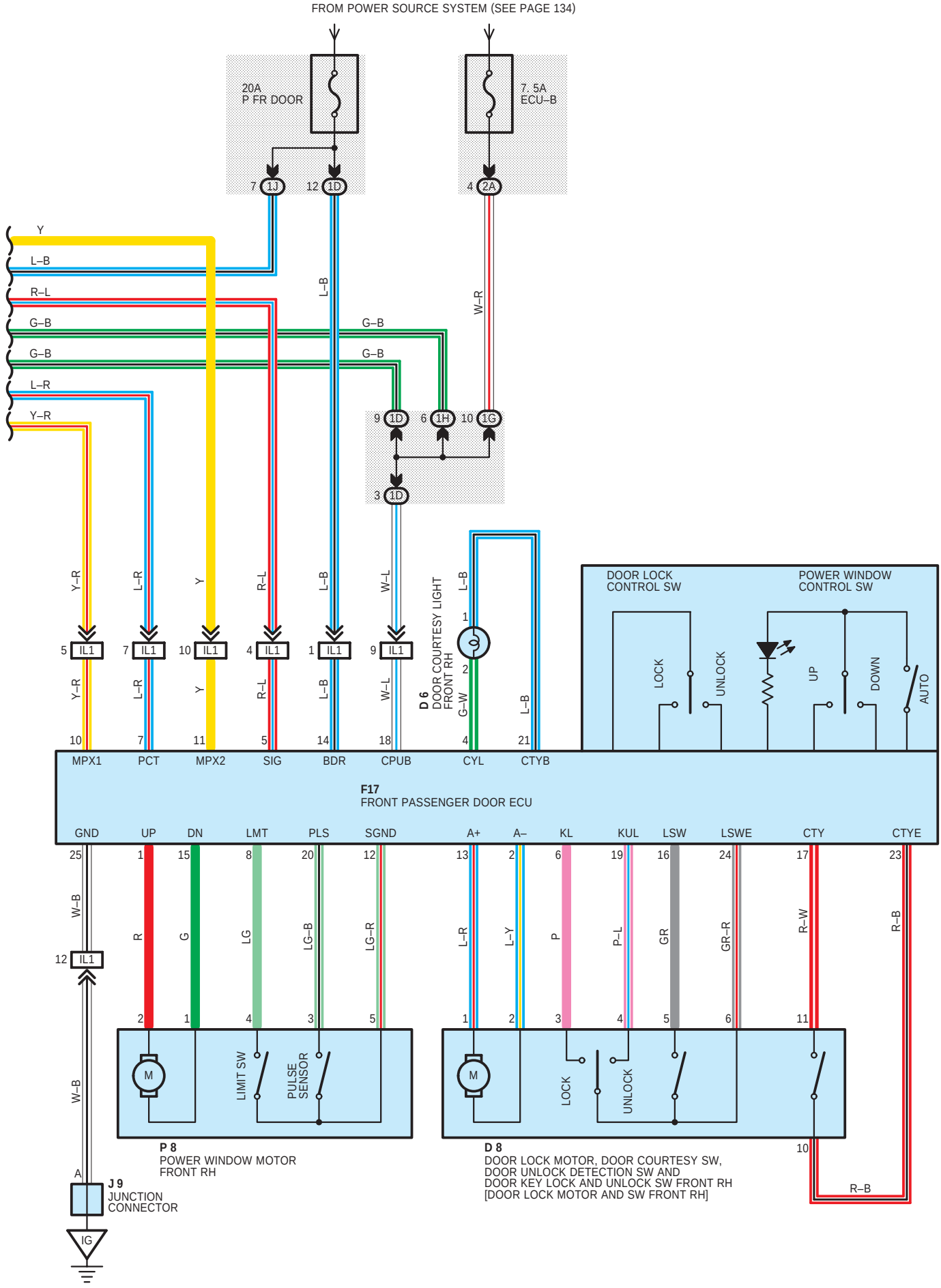



FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
D RR DOOR
3 1H
G–B
Y
L–B
R–L
R–L
R–L
G–B
V
L–R
L–Y
L–R
G–B
L–R
L–R
I 4
W–R
3 5D
8 5D
9 5D
7 5B
D 9
DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH
[DOOR LOCK MOTOR AND SW REAR LH]
E A
D B
J3 B , J4 A
JUNCTION CONNECTOR
1 IA1
4 IA1
Y–B
Y–B
12 IA2
4 BD1
G–B
W–R
11 BA1
1 BA1
3 BA1
5 BA1
2 BA1
10 BA1
V
R–L
L–Y
Y–B
G–B
W
5 A MPX1
9 A SIG
14 A BDR
11 A PCTI
13 A A+
1 A A–
17 A LSW
19 A LSWE
8 A CTY
18 A CTYE
15 A CPUB
4 A MPX2
R14 A , R15 B
REAR DOOR LH ECU
GND
DN
UP
PLS
LMT
SGND
PWE
PCTO
MUP
MDN
AUTO
25 A
1 B
3 B
7 B
2 B
6 B
21 A
10 A
24 A
23 A
22 A
W–B
G
R
L
Y
B
BR–W
L–O
Y–G
Y–R
Y
13 BA1
W–B
BJ
M
POWER WINDOW MOTOR REAR LH
MANUAL UP
MANUAL DOWN
AUTO UP
AUTO DOWN
P 5
POWER WINDOW CONTROL SW REAR LH


G–B
B 6
G–B
G–B
L–W
Y
Y
L–B
L–B
R–L
R–L
R–L
R–L
G–B
G–B
L–R
L–R
L–R
L–R
W–R
Y
G–B
L–W
9
6
1
10
D11
DOUBLE LOCK DOOR CONTROL RELAY
MPX1
CPUB
+B
MPX2
DLPD
ACTR
ACTS
DLPP
DLPR
DLPL
GND
2
4
3
7
5
11
12
L–Y
W
L
L–B
GR
GR–L
W–B
B 6
B 8
16 IM2
9 IM2
8 BB1
1 BD1
18 IM2
7 BD1
7 BB1
6 BB1
10 BD1
6 BD1
I12
I12
4 IA2
6 IC1
2 IC1
11 IC1
2 IL1
11 IL1
7 IL1
7 BA1
8 BA1
6 BA1
M
D 7
DOUBLE LOCK MOTOR AND DETECTION SW FRONT LH [DOOR LOCK MOTOR AND SW FRONT LH]
TO DRIVER DOOR ECU
D 8
DOUBLE LOCK MOTOR AND DETECTION SW FRONT RH [DOOR LOCK MOTOR AND SW FRONT RH]
TO FRONT PASSENGER DOOR ECU
D10
DOUBLE LOCK MOTOR AND DETECTION SW REAR RH [DOOR LOCK MOTOR AND SW REAR RH]
TO REAR DOOR RH ECU
D 9
DOUBLE LOCK MOTOR AND DETECTION SW REAR LH [DOOR LOCK MOTOR AND SW REAR LH]
TO REAR DOOR LH ECU
J15
JUNCTION CONNECTOR
A
BM


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P RR DOOR
8 1D
G–B
L–W
Y
L–B
R–L
L–R
D10
DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH
[DOOR LOCK MOTOR AND SW REAR RH]
IM1
IM2
BB1
B11
B 6
MPX1
PCTI
SIG
BDR
A+
A–
LSW
LSWE
CTY
CTYE
CPUB
MPX2
R16 A , R17 B
REAR DOOR RH ECU
GND
SEL1
DN
UP
PLS
LMT
SGND
PWE
PCTO
MUP
MDN
AUTO
B 1
BK
POWER WINDOW MOTOR
REAR RH
P 6
POWER WINDOW CONTROL
SW REAR RH
MANUAL UP
MANUAL DOWN
AUTO UP
AUTO DOWN

MULTIPLEX COMMUNICATION SYSTEM (LHD)



SYSTEM OUTLINE

MULTIPLEX COMMUNICATION SYSTEM

The system is comprised of the communication modes of the body ECU, driver door ECU, front passenger door ECU, rear door LH ECU, rear door RH ECU, engine and ECT ECU, combination meter ECU, instrument control panel, double lock door control relay, theft deterrent ECU and moon roof control ECU. The body electrical systems are controlled by a serial communication in which each ECU is linked to another via a single communication line. This system is also equipped with a self–diagnosis function.

The table below shows the systems under the control of the multiplex communication system and related ECUs (Communication nodes).

SYSTEM \ ECU	Body ECU	Driver Door ECU	Front Passenger Door ECU	Rear Door LH ECU	Rear Door RH ECU	Engine and ECT ECU	Combination Meter ECU	Instrument Control Panel	Double Lock Door Control Relay	Theft Deterrent ECU	Moon Roof Control ECU
Power Window	2	1	2	2	2	–	–	–	–	–	–
Theft Deterrent and Door Lock Control	1	2	2	2	2	–	–	–	–	1	–
Wireless Door Lock Control	1	2	2	2	2	–	–	–	–	–	–
Light Reminder Buzzer	1	2	2	2	2	–	–	–	–	–	–
Illuminated Entry	1	2	2	2	2	–	–	–	–	–	–
Light Auto Turn Off	1	2	–	–	–	–	–	–	–	–	–
Rear Wiper	1	–	–	–	–	–	–	–	–	–	–
Headlight	1	–	–	–	–	–	–	–	–	–	–
Seat Belt Warning	1	–	–	–	–	–	–	–	–	–	–
Double Locking System	2	2	2	2	2	–	–	–	1	–	–
Automatic Light Control	1	–	–	–	–	–	–	–	–	–	–

1 : Master control 2 : Sub control

1. COMMUNICATION OUTLINE

Communication is implemented among the body, driver door, front passenger door, rear door LH, rear door RH, instrument control panel, combination meter, moon roof control, double lock door control relay, theft deterrent, engine and ECT ECU.

Upon receiving signals from applicable switches such as the door lock control switch or door courtesy light switch, each ECU determines the conditions of the switches as well as of the doors, and after converting this information into digital signals, outputs them to other ECUs via serial data communication. The ECU that receives these digital signals determines the conditions of the switches and doors so that it can implement various controls such as to activate a door lock motor.

However, if there are no changes in the input signals because no doors were opened and no switches were used within 30 seconds, the body ECU interrupts the communication to save electricity. Following this interruption, any changes in the input signals will cause the communication to resume.

For details please refer to the new car features and repair manuals.

SERVICE HINTS

B5 (A), B8 (D) BODY ECU

(A) 8, (D) 5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(D)18–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 9–GROUND : Always continuity
(D) 4–GROUND : Always approx. **12** volts
(A) 2–GROUND : Always approx. **12** volts
(D) 2–GROUND : Always continuity

D12 DRIVER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

F17 FRONT PASSENGER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R14 (A) REAR DOOR LH ECU

(A) 9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A)14–GROUND : Always approx. **12** volts
(A)15–GROUND : Always approx. **12** volts
(A)25–GROUND : Always continuity

R16 (A) REAR DOOR RH ECU

(A) 9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A)14–GROUND : Always approx. **12** volts
(A)15–GROUND : Always approx. **12** volts
(A) 20, (A) 25–GROUND : Always continuity

○ **: PARTS LOCATION**

Code	See Page	Code	See Page	Code	See Page
A33	92 (LHD)	F4	90 (LHD)	P4	95 (LHD)
B5 A	92 (LHD)	F11	90 (LHD)	P5	95 (LHD)
B6 B	92 (LHD)	F16	94 (LHD)	P6	95 (LHD)
B7 C	92 (LHD)	F17	94 (LHD)	P7	95 (LHD)
B8 D	92 (LHD)	H3	90 (LHD)	P8	95 (LHD)
B9	94 (LHD)	H4	90 (LHD)	R2	93 (LHD)
B10	94 (LHD)	H5	90 (LHD)	R11	95 (LHD)
B11	94 (LHD)	H6	90 (LHD)	R13	95 (LHD)
B12	96 (LHD)	H9	93 (LHD)	R14 A	95 (LHD)
C12	92 (LHD)	I14	93 (LHD)	R15 B	95 (LHD)
C14	92 (LHD)	I17	93 (LHD)	R16 A	95 (LHD)
C15	92 (LHD)	J1	91 (LHD)	R17 B	95 (LHD)
D3	92 (LHD)	J2	91 (LHD)	R20	95 (LHD)
D4	94 (LHD)	J3 B	93 (LHD)	R24	95 (LHD)
D5	94 (LHD)	J4 A	93 (LHD)	S10	93 (LHD)
D6	94 (LHD)	J5	93 (LHD)	T4 A	93 (LHD)
D7	94 (LHD)	J7	93 (LHD)	T5 B	93 (LHD)
D8	94 (LHD)	J9	93 (LHD)	T15	95 (LHD)
D9	94 (LHD)	J13	94 (LHD)	U1	93 (LHD)
D10	94 (LHD)	J14	94 (LHD)	V8	95 (LHD)
D11	94 (LHD)	J15	94 (LHD)	V9	95 (LHD)
D12	94 (LHD)	J17	96 (LHD)	W2	91 (LHD)
E3	90 (LHD)	M6	94 (LHD)	W5	95 (LHD)
E9	92 (LHD)	P2	93 (LHD)		
F3	90 (LHD)	P3	93 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)
2	88	R/B No.2 (Engine Compartment Left)
3	88	R/B No.3 (Engine Compartment Front Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1B		
1D		
1E		
1F		
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3E		
3F		
3G		
3H		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5B		
5C		
5D		
5E		
5F		

MULTIPLEX COMMUNICATION SYSTEM (LHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
ID1	108 (LHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
BE1	114 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)

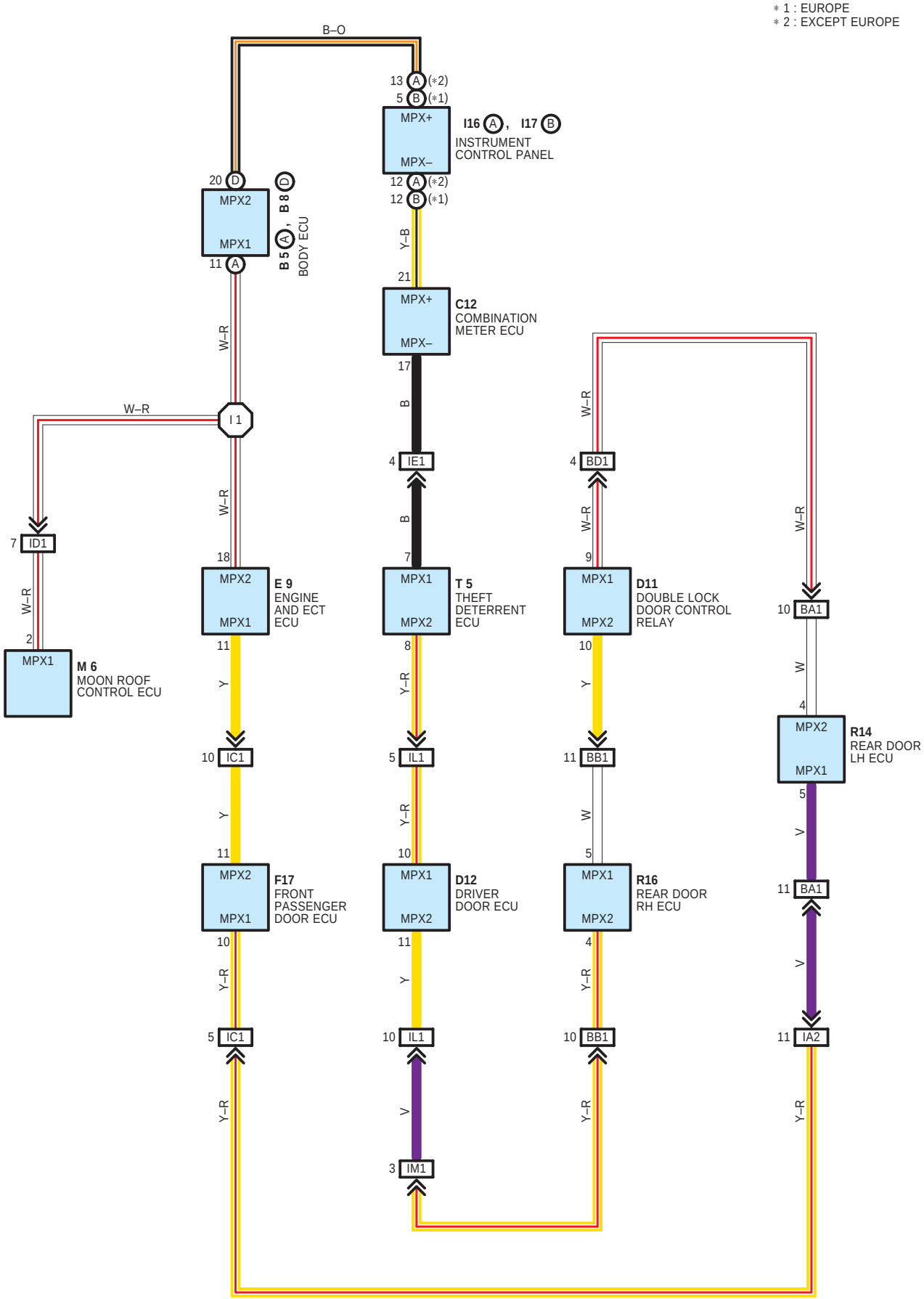
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
ED	106 (LHD)	Right Radiator Side Support
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BL	112 (LHD)	Left Rear Quarter Panel
BM	112 (LHD)	Under the Rear RH Seat
BN	112 (LHD)	Back Panel Center

: SPLICE POINTS

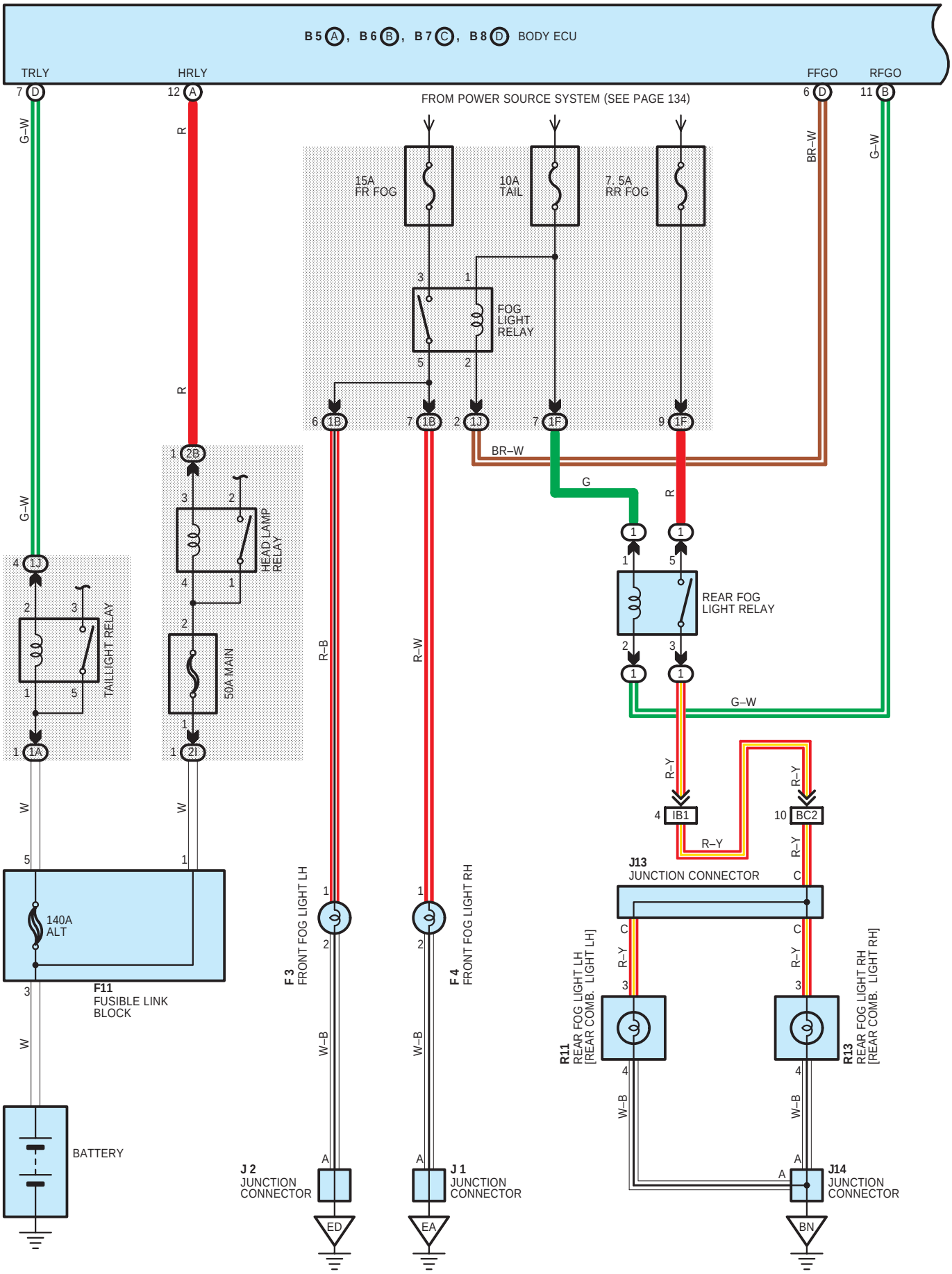
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E5	106 (LHD)	Engine Room Main Wire	B1	112 (LHD)	Rear Door RH Wire
E9			B3	112 (LHD)	Roof Wire
E10			B4		
I4	110 (LHD)	Cowl Wire	B6	112 (LHD)	Floor Wire
I5			B7	112 (LHD)	Floor No.2 Wire
I7			B8	112 (LHD)	Floor Wire
I8			B10	112 (LHD)	Back Door No.1 Wire
I12			B11	112 (LHD)	Floor Wire

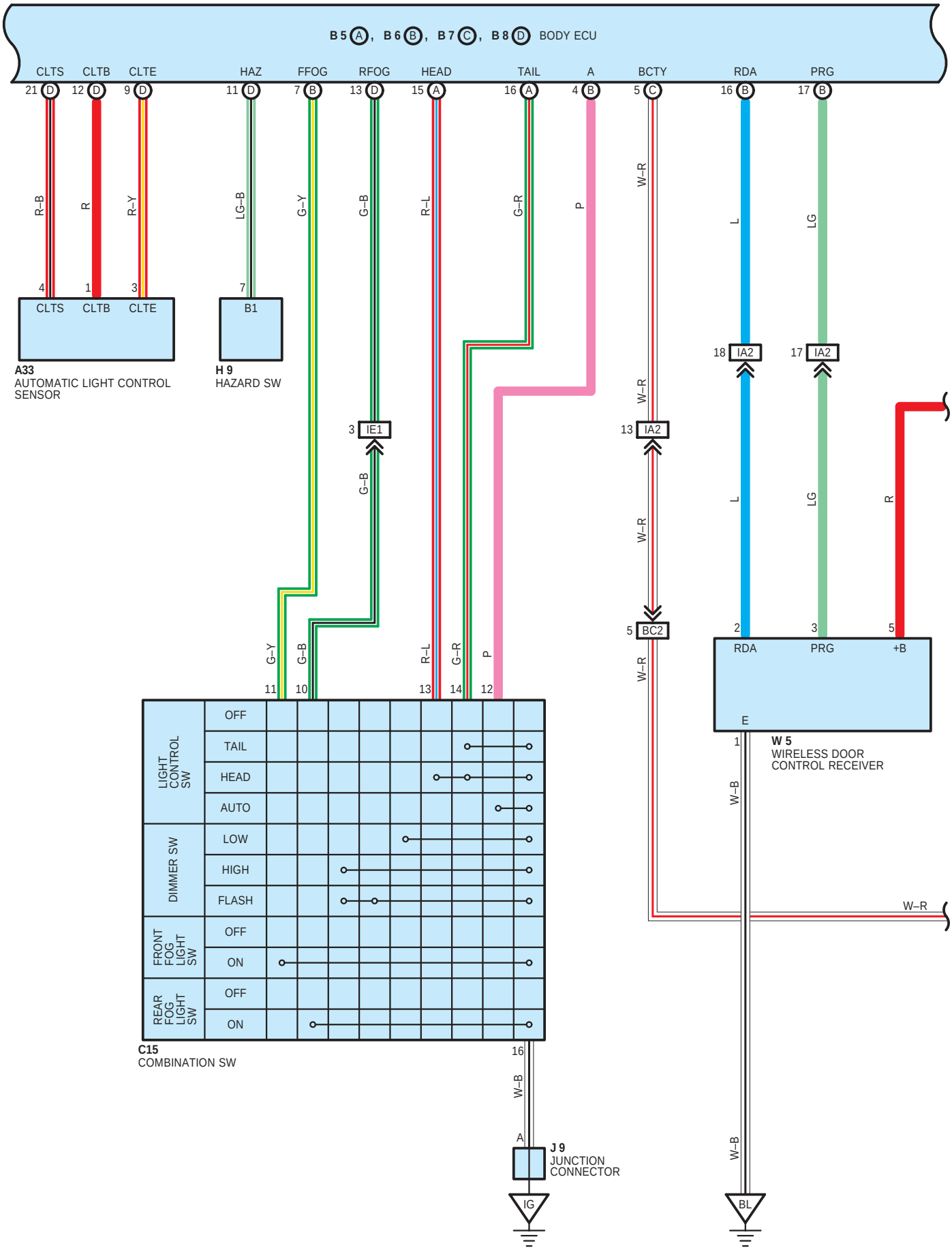
MULTIPLEX COMMUNICATION SYSTEM (COMMUNICATION BUS) [RHD]

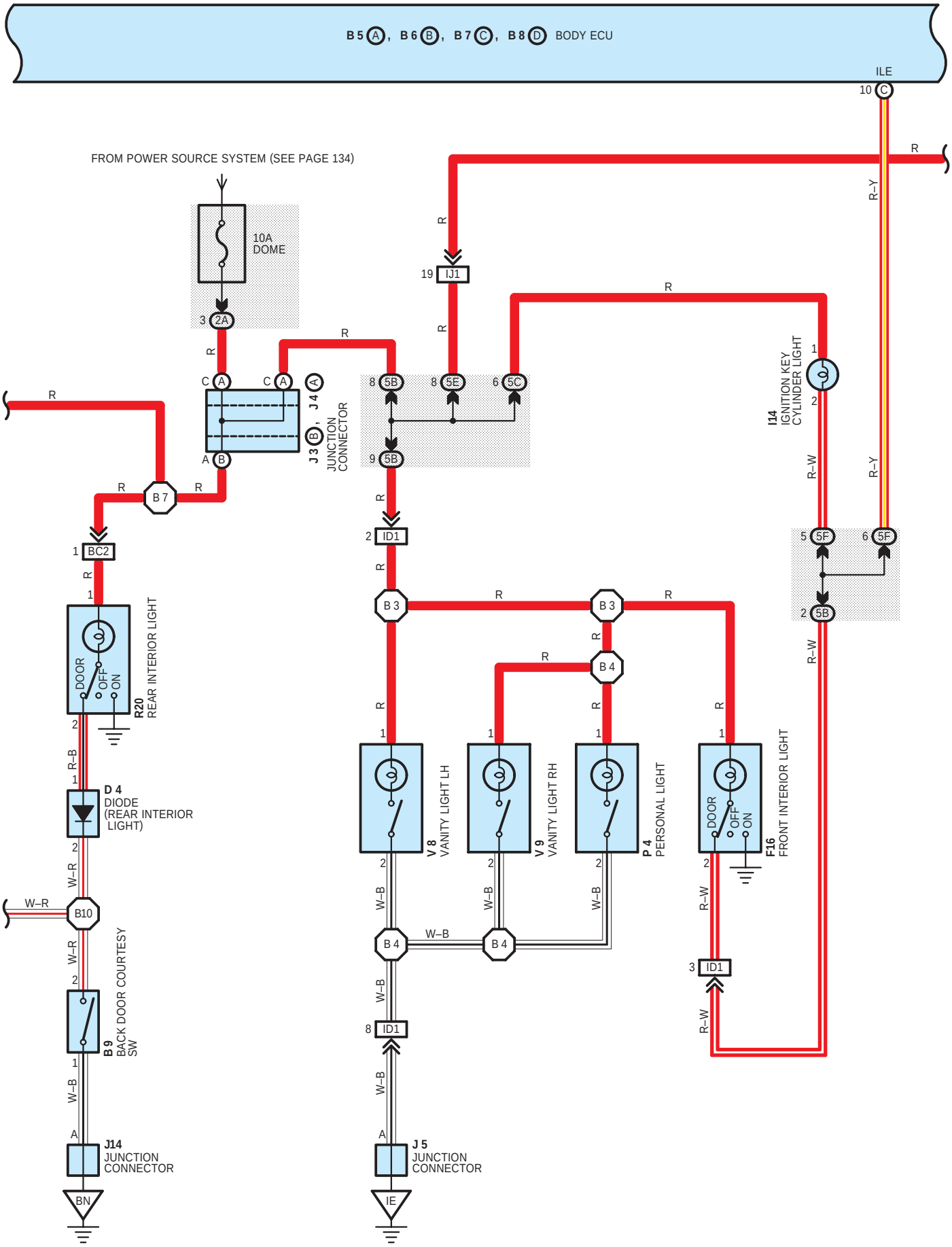


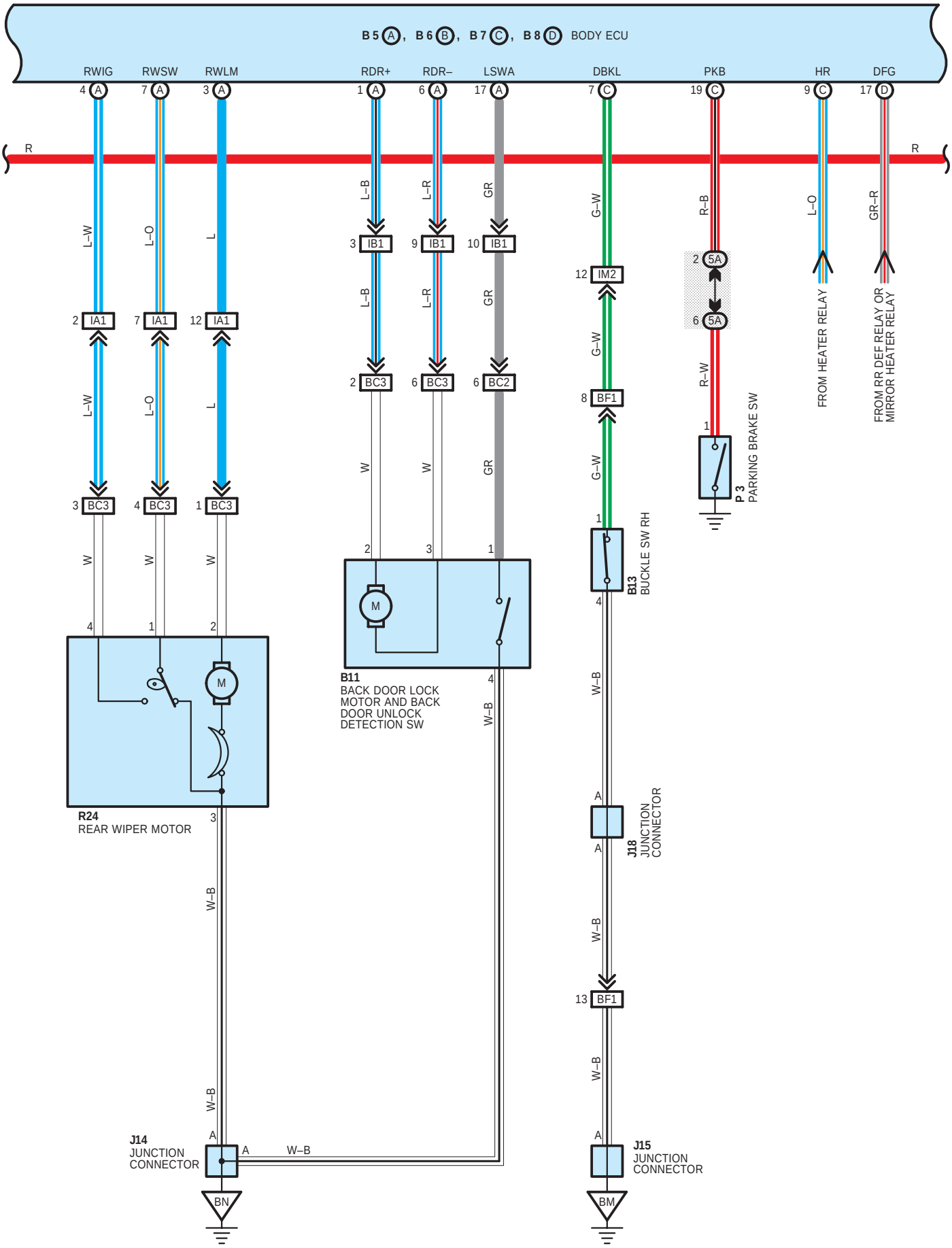
MULTIPLEX COMMUNICATION SYSTEM INCLUDES FOLLOWING SYSTEMS

- **AUTOMATIC LIGHT CONTROL**
- **DOUBLE LOCKING SYSTEM**
- **FRONT FOG LIGHT**
- **INTERIOR LIGHT**
- **SEAT BELT WARNING**
- **LIGHT AUTO TURN OFF**
- **LIGHT REMINDER BUZZER**
- **POWER WINDOW**
- **REAR FOG LIGHT**
- **REAR WIPER AND WASHER**
- **THEFT DETERRENT AND DOOR LOCK CONTROL**
- **WIRELESS DOOR LOCK CONTROL**

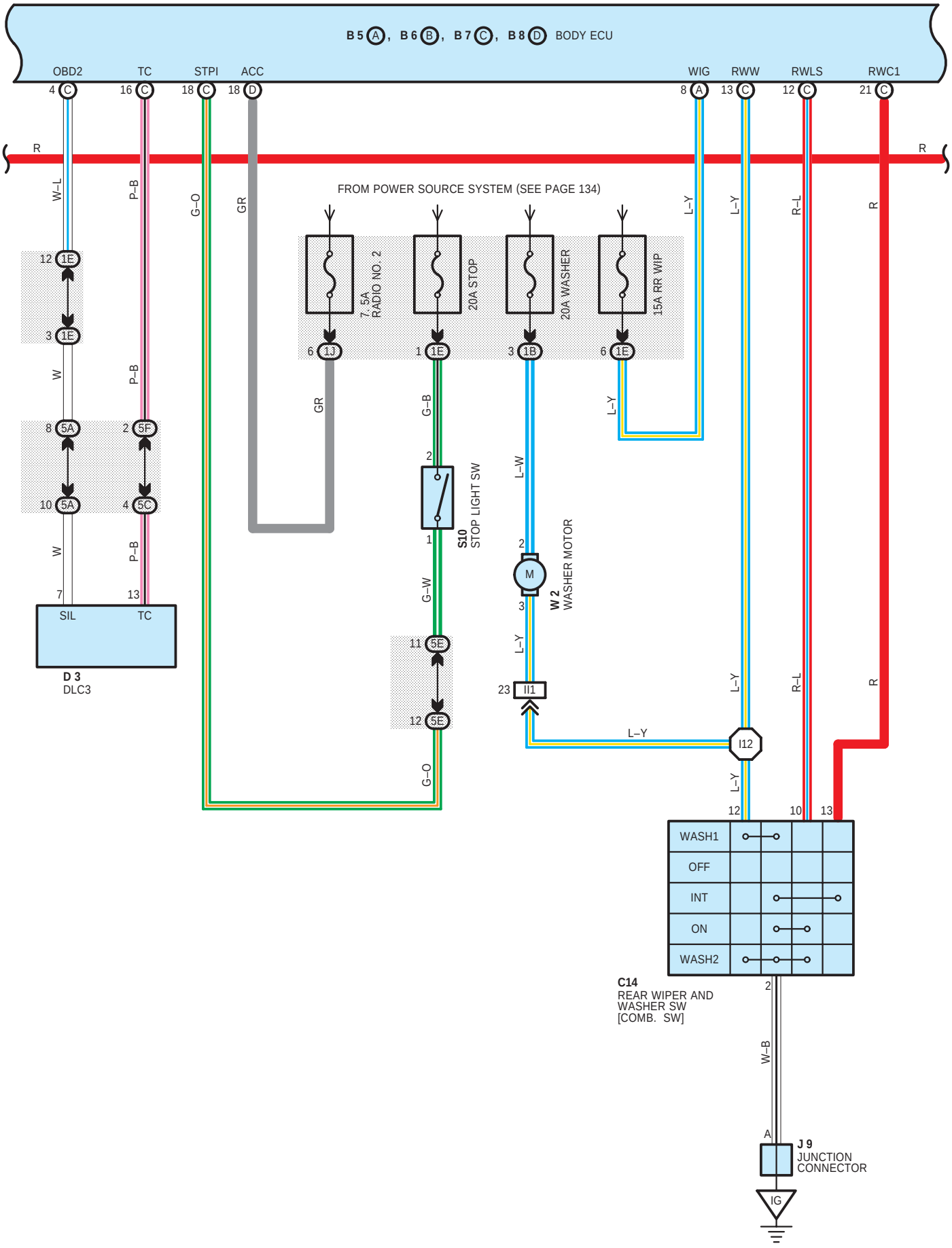

B5 A, B6 B, B7 C, B8 D BODY ECU
TRLY
HRLY
FFGO
RFGO
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A FR FOG
10A TAIL
7.5A RR FOG
FOG LIGHT RELAY
HEAD LAMP RELAY
TAILLIGHT RELAY
50A MAIN
REAR FOG LIGHT RELAY
140A ALT
F11 FUSIBLE LINK BLOCK
BATTERY
F3 FRONT FOG LIGHT LH
F4 FRONT FOG LIGHT RH
J2 JUNCTION CONNECTOR
J1 JUNCTION CONNECTOR
J13 JUNCTION CONNECTOR
J14 JUNCTION CONNECTOR
R11 REAR FOG LIGHT LH [REAR COMB. LIGHT LH]
R13 REAR FOG LIGHT RH [REAR COMB. LIGHT RH]
ED
EA
BN
G–W
R
BR–W
G
R–B
R–W
W
W–B
R–Y

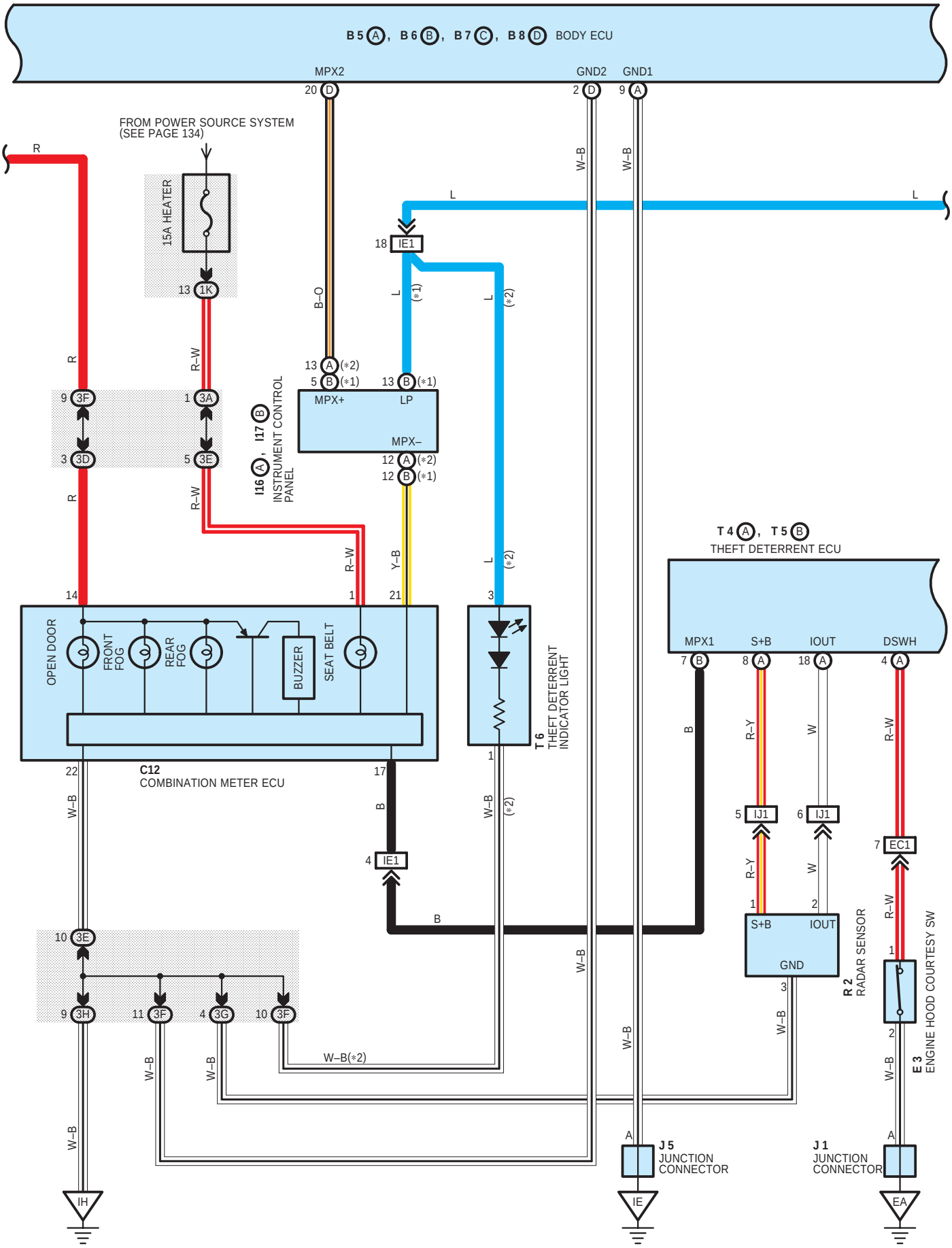

B5 A, B6 B, B7 C, B8 D BODY ECU
CLTS
CLTB
CLTE
HAZ
FFOG
RFOG
HEAD
TAIL
A
BCTY
RDA
PRG
21 D
12 D
9 D
11 D
7 B
13 D
15 A
16 A
4 B
5 C
16 B
17 B
R–B
R
R–Y
LG–B
G–Y
G–B
R–L
G–R
P
W–R
L
LG
4
1
3
7
CLTS
CLTB
CLTE
B1
A33
AUTOMATIC LIGHT CONTROL SENSOR
H 9
HAZARD SW
3 IE1
13 IA2
18 IA2
17 IA2
5 BC2
2
3
5
RDA
PRG
+B
E
W 5
WIRELESS DOOR CONTROL RECEIVER
1
W–B
11
10
13
14
12
LIGHT CONTROL SW
OFF
TAIL
HEAD
AUTO
DIMMER SW
LOW
HIGH
FLASH
FRONT FOG LIGHT SW
OFF
ON
REAR FOG LIGHT SW
OFF
ON
C15
COMBINATION SW
16
A
J 9
JUNCTION CONNECTOR
IG
BL


B5 A, B6 B, B7 C, B8 D BODY ECU
ILE
10 C
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
10A DOME
3 2A
19 IJ1
J3 B, J4 A JUNCTION CONNECTOR
I14 IGNITION KEY CYLINDER LIGHT
B7
BC2
R20 REAR INTERIOR LIGHT
DOOR OFF ON
D4 DIODE (REAR INTERIOR LIGHT)
B10
B9 BACK DOOR COURTESY SW
J14 JUNCTION CONNECTOR
BN
ID1
B3
B4
V8 VANITY LIGHT LH
V9 VANITY LIGHT RH
P4 PERSONAL LIGHT
F16 FRONT INTERIOR LIGHT
J5 JUNCTION CONNECTOR
IE
5B
5C
5E
5F
R
R–Y
R–W
R–B
W–R
W–B

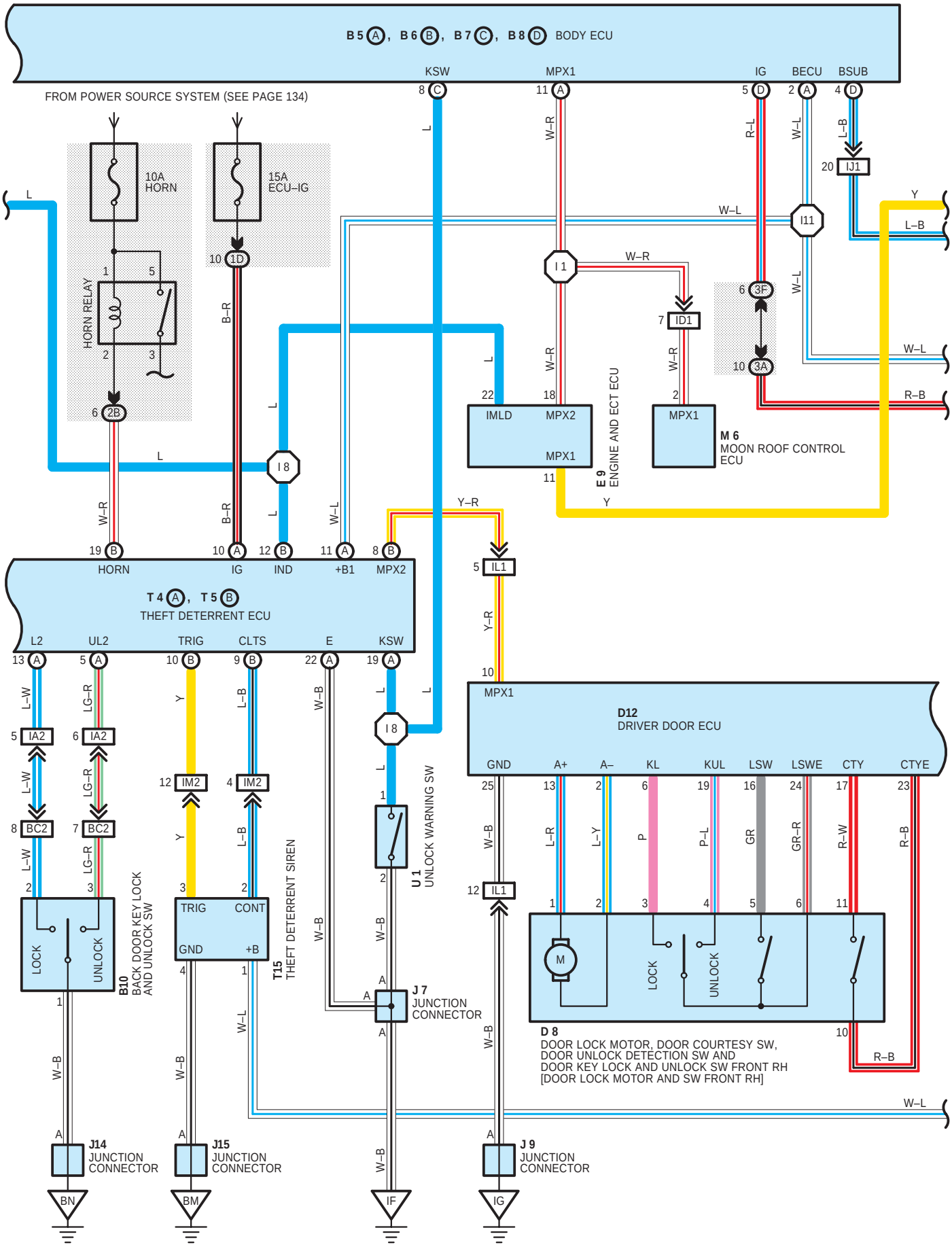

B5 A, B6 B, B7 C, B8 D BODY ECU
RWIG
RWSW
RWLM
RDR+
RDR–
LSWA
DBKL
PKB
HR
DFG
R
L–W
L–O
L
L–B
L–R
GR
G–W
R–B
R–W
L–O
GR–R
IA1
IB1
BC3
BC2
IM2
BF1
5A
W
W–B
M
R24
REAR WIPER MOTOR
B11
BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW
B13
BUCKLE SW RH
P3
PARKING BRAKE SW
FROM HEATER RELAY
FROM RR DEF RELAY OR MIRROR HEATER RELAY
J14
JUNCTION CONNECTOR
J15
JUNCTION CONNECTOR
J18
JUNCTION CONNECTOR
BN
BM

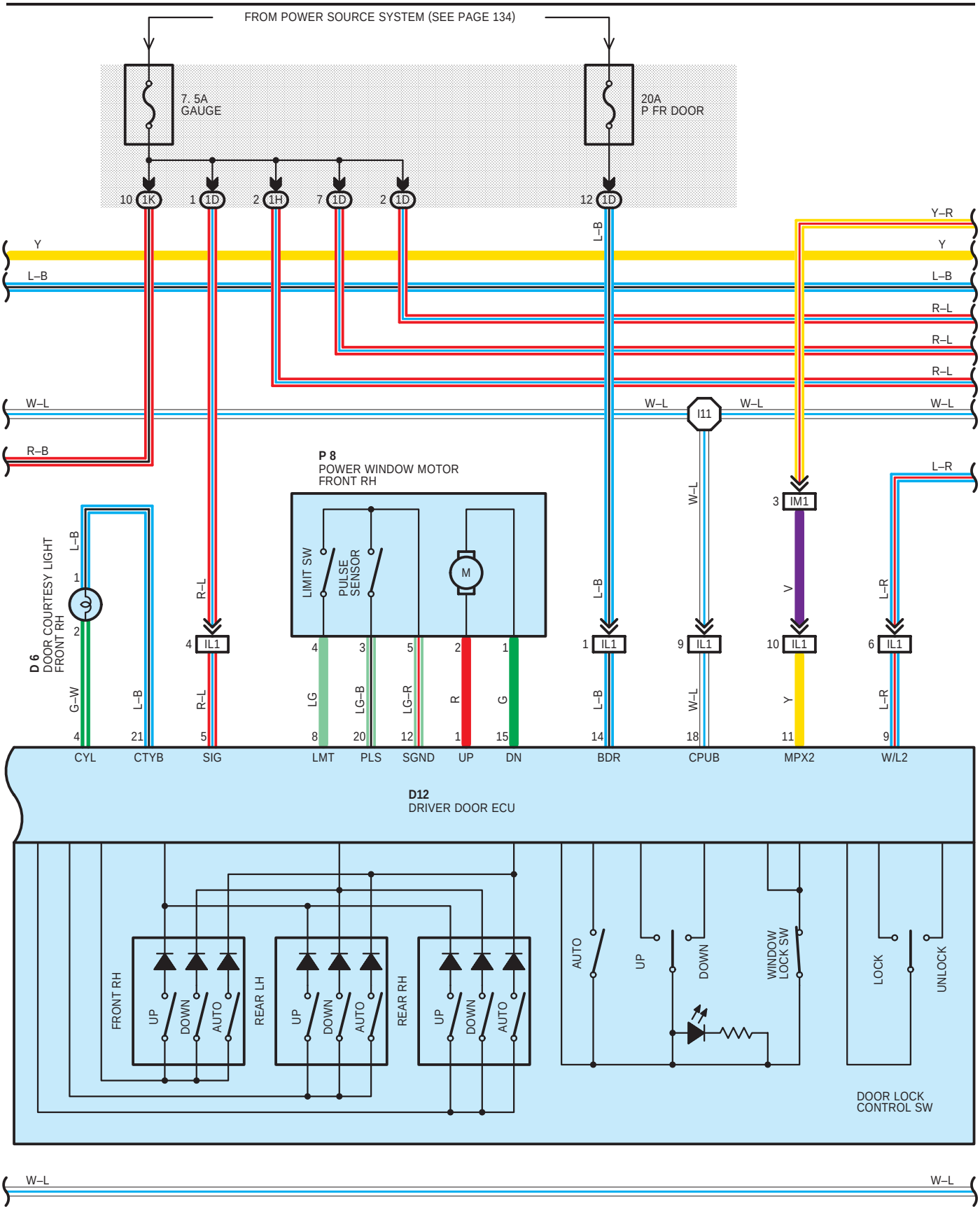
MULTIPLEX COMMUNICATION SYSTEM (RHD)



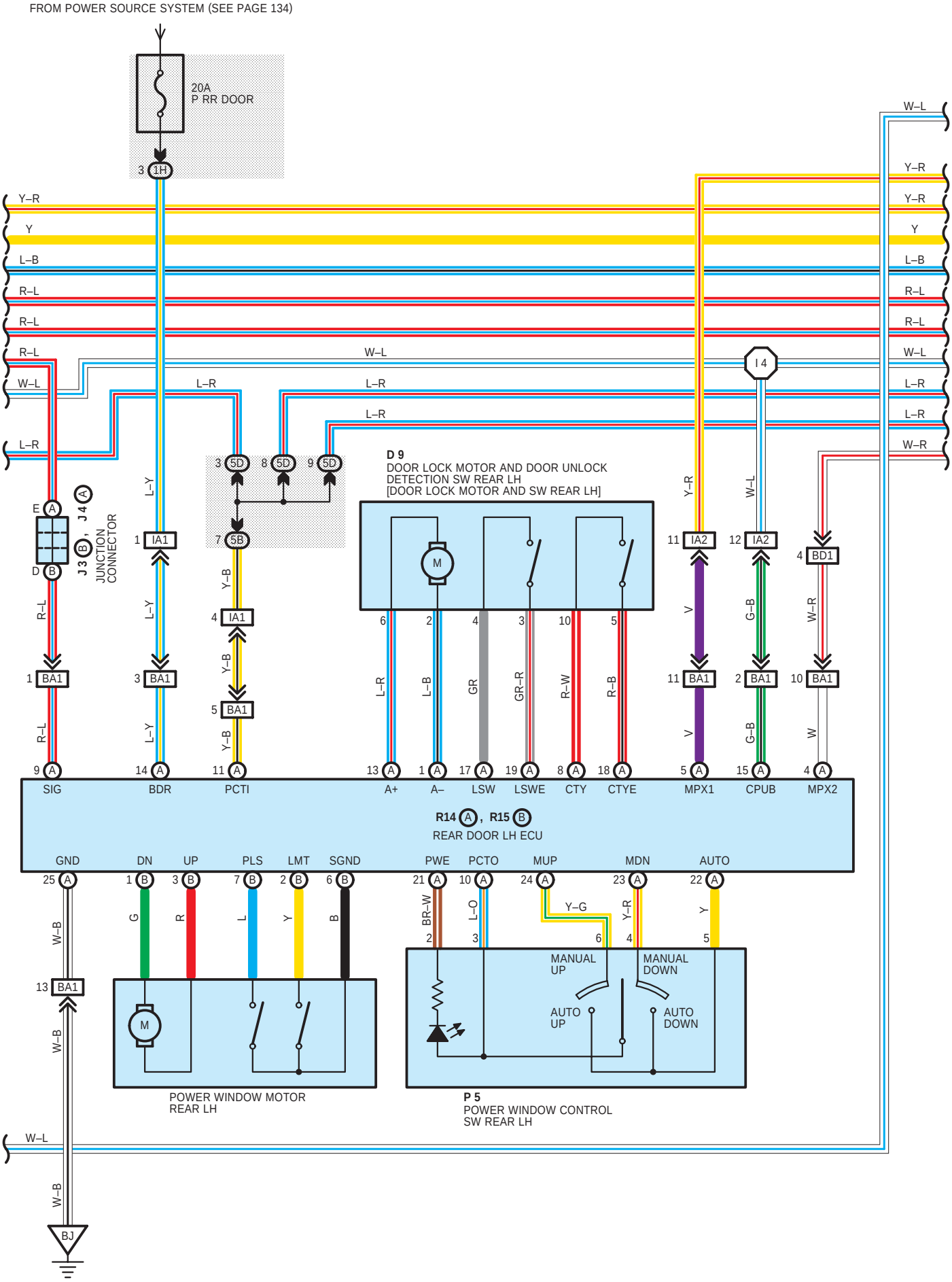

B5 A, B6 B, B7 C, B8 D BODY ECU
MPX2
GND2
GND1
FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A HEATER
I16 A, I17 B INSTRUMENT CONTROL PANEL
MPX+
LP
MPX–
T4 A, T5 B THEFT DETERRENT ECU
MPX1
S+B
IOUT
DSWH
OPEN DOOR
FRONT FOG
REAR FOG
BUZZER
SEAT BELT
C12 COMBINATION METER ECU
T6 THEFT DETERRENT INDICATOR LIGHT
R 2 RADAR SENSOR
GND
E 3 ENGINE HOOD COURTESY SW
J5 JUNCTION CONNECTOR
J1 JUNCTION CONNECTOR
IH
IE
EA

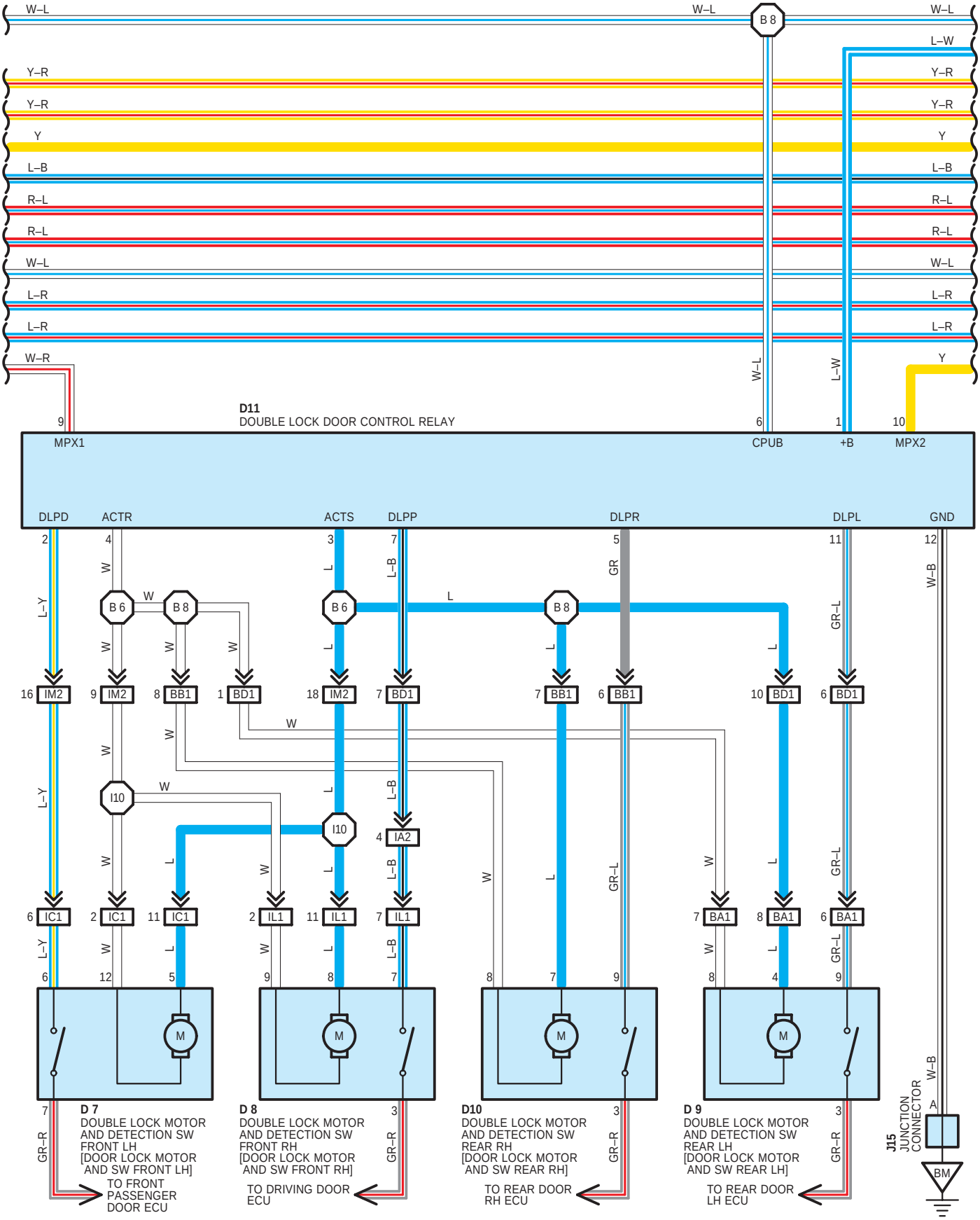
MULTIPLEX COMMUNICATION SYSTEM (RHD)



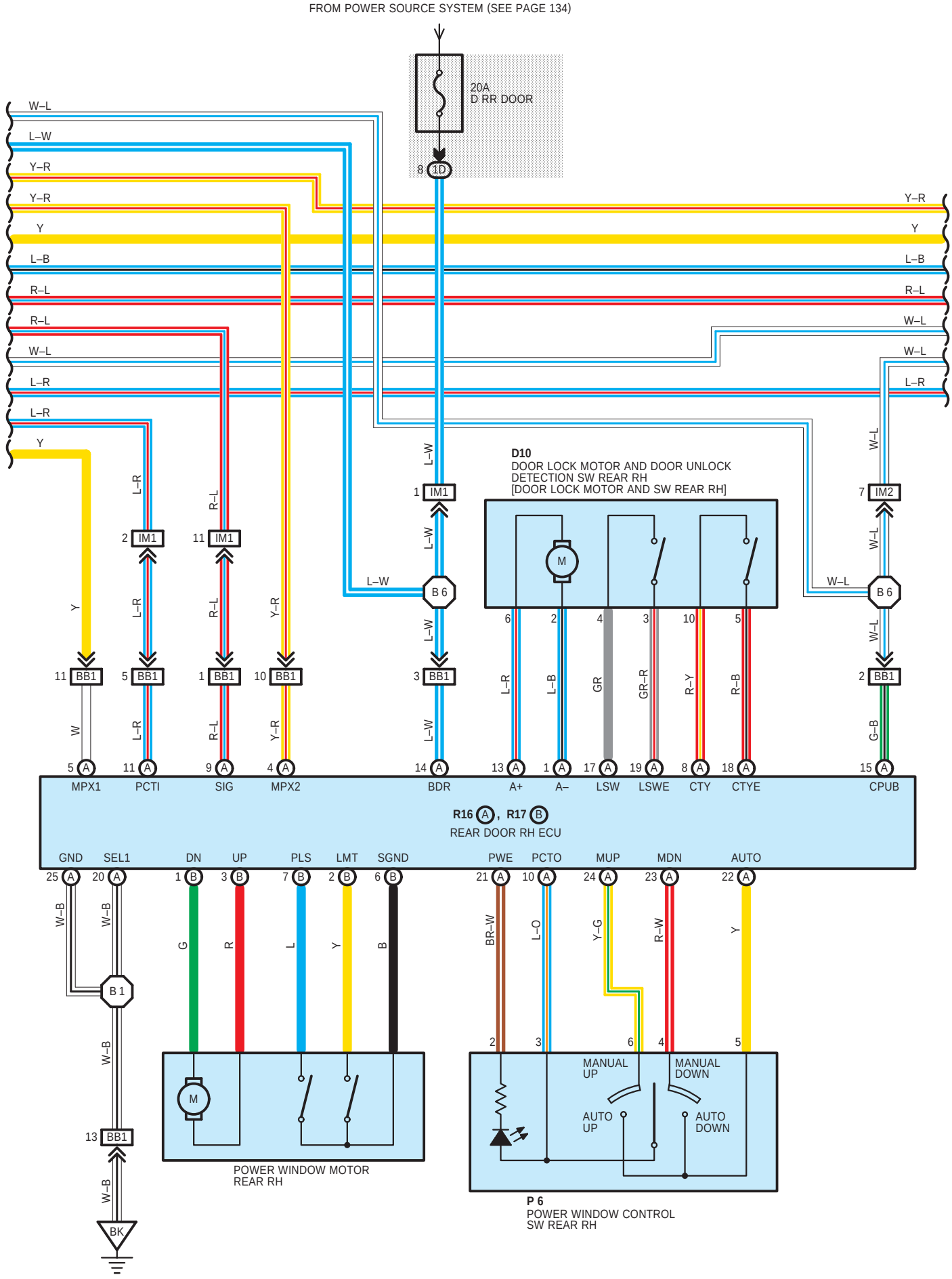

FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A
GAUGE
20A
P FR DOOR
10 1K
1 1D
2 1H
7 1D
2 1D
12 1D
Y
L–B
Y–R
R–L
W–L
R–B
I11
IM1
L–R
P 8
POWER WINDOW MOTOR
FRONT RH
LIMIT SW
PULSE
SENSOR
M
D 6
DOOR COURTESY LIGHT
FRONT RH
IL1
CYL
CTYB
SIG
LMT
PLS
SGND
UP
DN
BDR
CPUB
MPX2
W/L2
D12
DRIVER DOOR ECU
FRONT RH
REAR LH
REAR RH
UP
DOWN
AUTO
WINDOW
LOCK SW
LOCK
UNLOCK
DOOR LOCK
CONTROL SW

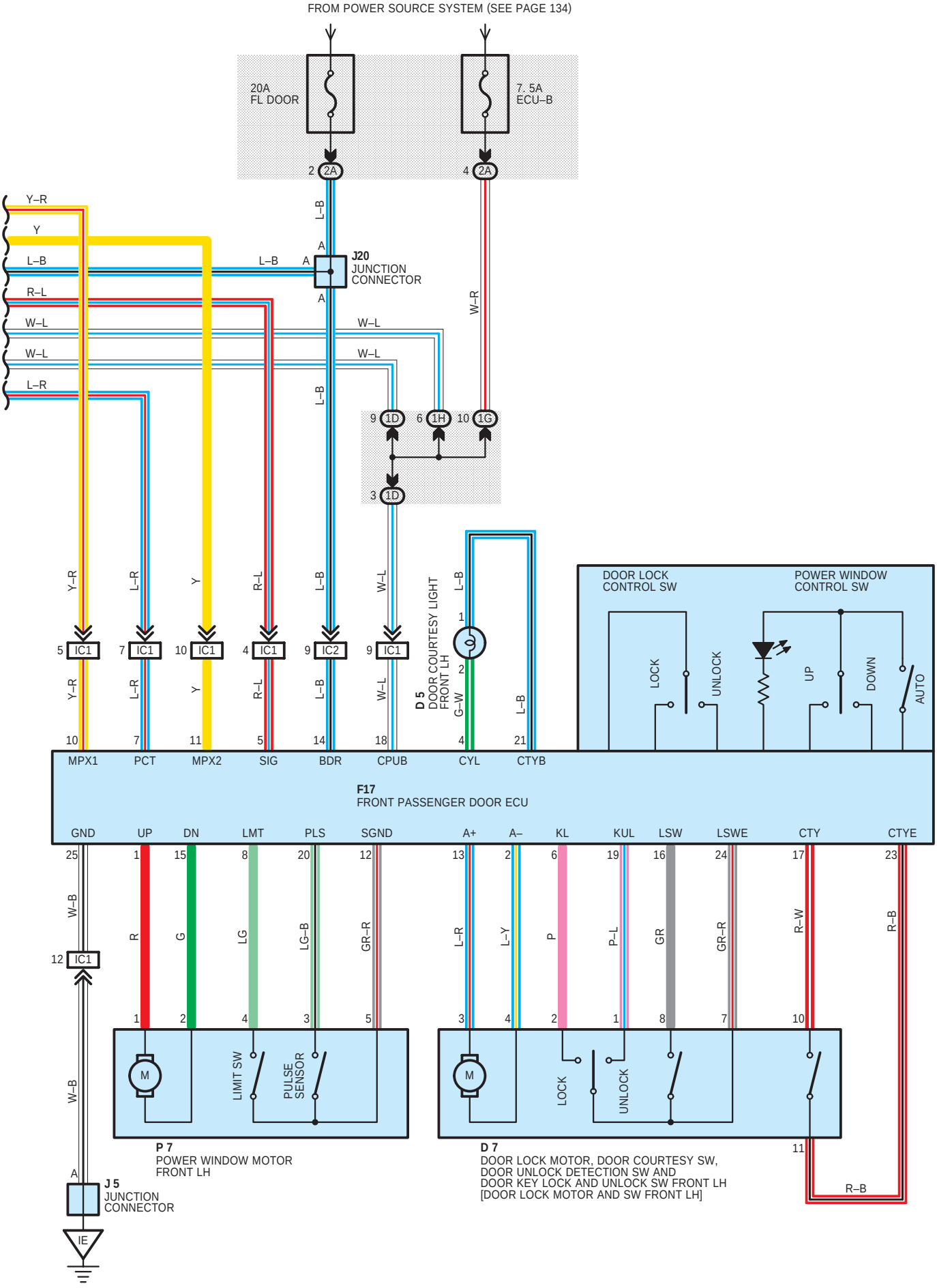
MULTIPLEX COMMUNICATION SYSTEM (RHD)




W–L
W–L
B 8
W–L
L–W
Y–R
Y–R
Y–R
Y–R
Y
Y
L–B
L–B
R–L
R–L
R–L
R–L
W–L
W–L
L–R
L–R
L–R
L–R
W–R
W–L
L–W
Y
D11
DOUBLE LOCK DOOR CONTROL RELAY
9
MPX1
6
CPUB
1
+B
10
MPX2
DLPD
ACTR
ACTS
DLPP
DLPR
DLPL
GND
2
4
3
7
5
11
12
L–Y
W
L
L–B
GR
GR–L
W–B
B 6
B 8
16 IM2
9 IM2
8 BB1
1 BD1
18 IM2
7 BD1
7 BB1
6 BB1
10 BD1
6 BD1
I10
IA2
6 IC1
2 IC1
11 IC1
2 IL1
11 IL1
7 IL1
7 BA1
8 BA1
6 BA1
M
D 7
DOUBLE LOCK MOTOR AND DETECTION SW FRONT LH [DOOR LOCK MOTOR AND SW FRONT LH]
TO FRONT PASSENGER DOOR ECU
D 8
DOUBLE LOCK MOTOR AND DETECTION SW FRONT RH [DOOR LOCK MOTOR AND SW FRONT RH]
TO DRIVING DOOR ECU
D10
DOUBLE LOCK MOTOR AND DETECTION SW REAR RH [DOOR LOCK MOTOR AND SW REAR RH]
TO REAR DOOR RH ECU
D 9
DOUBLE LOCK MOTOR AND DETECTION SW REAR LH [DOOR LOCK MOTOR AND SW REAR LH]
TO REAR DOOR LH ECU
J15
JUNCTION CONNECTOR
A
BM

MULTIPLEX COMMUNICATION SYSTEM (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
7. 5A
ECU–B
2 2A
4 2A
Y–R
Y
L–B
R–L
W–L
W–L
L–R
L–B
A
J20
JUNCTION
CONNECTOR
A
L–B
W–L
W–L
W–R
L–B
9 1D
6 1H
10 1G
3 1D
Y–R
L–R
Y
R–L
L–B
W–L
D 5
DOOR COURTESY LIGHT
FRONT LH
L–B
G–W
L–B
5 IC1
7 IC1
10 IC1
4 IC1
9 IC2
9 IC1
1
2
4
DOOR LOCK
CONTROL SW
POWER WINDOW
CONTROL SW
LOCK
UNLOCK
UP
DOWN
AUTO
10
7
11
5
14
18
4
21
MPX1
PCT
MPX2
SIG
BDR
CPUB
CYL
CTYB
F17
FRONT PASSENGER DOOR ECU
GND
UP
DN
LMT
PLS
SGND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
1
15
8
20
12
13
2
6
19
16
24
17
23
W–B
R
G
LG
LG–B
GR–R
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IC1
1
2
4
3
5
3
4
2
1
8
7
10
M
LIMIT SW
PULSE
SENSOR
M
LOCK
UNLOCK
11
R–B
W–B
A
J 5
JUNCTION
CONNECTOR
IE
P 7
POWER WINDOW MOTOR
FRONT LH
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]

SYSTEM OUTLINE

MULTIPLEX COMMUNICATION SYSTEM

The system is comprised of the communication modes of the body ECU, driver door ECU, front passenger door ECU, rear door LH ECU, rear door RH ECU, engine and ECT ECU, combination meter ECU, instrument control panel, double lock door control relay, theft deterrent ECU and moon roof control ECU. The body electrical systems are controlled by a serial communication in which each ECU is linked to another via a single communication line. This system is also equipped with a self–diagnosis function.

The table below shows the systems under the control of the multiplex communication system and related ECUs (Communication nodes).

SYSTEM \ ECU	Body ECU	Driver Door ECU	Front Passenger Door ECU	Rear Door LH ECU	Rear Door RH ECU	Engine and ECT ECU	Combination Meter ECU	Instrument Control Panel	Double Lock Door Control Relay	Theft Deterrent ECU	Moon Roof Control ECU
Power Window	2	1	2	2	2	–	–	–	–	–	–
Theft Deterrent and Door Lock Control	1	2	2	2	2	–	–	–	–	1	–
Wireless Door Lock Control	1	2	2	2	2	–	–	–	–	–	–
Light Reminder Buzzer	1	2	2	2	2	–	–	–	–	–	–
Illuminated Entry	1	2	2	2	2	–	–	–	–	–	–
Light Auto Turn Off	1	2	–	–	–	–	–	–	–	–	–
Rear Wiper	1	–	–	–	–	–	–	–	–	–	–
Seat Belt Warning	1	–	–	–	–	–	–	–	–	–	–
Double Locking System	2	2	2	2	2	–	–	–	1	–	–
Automatic Light Control	1	–	–	–	–	–	–	–	–	–	–

1 : Master control 2 : Sub control

1. COMMUNICATION OUTLINE

Communication is implemented among the body, driver door, front passenger door, rear door LH, rear door RH, instrument control panel, combination meter, moon roof control, double lock door control relay, theft deterrent, engine and ECT ECU.

Upon receiving signals from applicable switches such as the door lock control switch or door courtesy light switch, each ECU determines the conditions of the switches as well as of the doors, and after converting this information into digital signals, outputs them to other ECUs via serial data communication. The ECU that receives these digital signals determines the conditions of the switches and doors so that it can implement various controls such as to activate a door lock motor.

However, if there are no changes in the input signals because no doors were opened and no switches were used within 30 seconds, the body ECU interrupts the communication to save electricity. Following this interruption, any changes in the input signals will cause the communication to resume.

For details please refer to the new car features and repair manuals.

SERVICE HINTS

B5 (A), B8 (D) BODY ECU

(A) 8, (D) 5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(D)18–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 9–GROUND : Always continuity
(D) 4–GROUND : Always approx. **12** volts
(A) 2–GROUND : Always approx. **12** volts
(D) 2–GROUND : Always continuity

D12 DRIVER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

F17 FRONT PASSENGER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R14 (A) REAR DOOR LH ECU

(A) 9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A)14–GROUND : Always approx. **12** volts
(A)15–GROUND : Always approx. **12** volts
(A)25–GROUND : Always continuity

R16 (A) REAR DOOR RH ECU

(A) 9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A)14–GROUND : Always approx. **12** volts
(A)15–GROUND : Always approx. **12** volts
(A) 20, (A) 25–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A33	100 (RHD)	F3	98 (RHD)	P5	103 (RHD)
B5 A	100 (RHD)	F4	98 (RHD)	P6	103 (RHD)
B6 B	100 (RHD)	F11	98 (RHD)	P7	103 (RHD)
B7 C	100 (RHD)	F16	102 (RHD)	P8	103 (RHD)
B8 D	100 (RHD)	F17	102 (RHD)	R2	101 (RHD)
B9	102 (RHD)	H9	101 (RHD)	R11	103 (RHD)
B10	102 (RHD)	I14	101 (RHD)	R13	103 (RHD)
B11	102 (RHD)	I16 A	101 (RHD)	R14 A	103 (RHD)
B13	104 (RHD)	I17 B	101 (RHD)	R15 B	103 (RHD)
C12	100 (RHD)	J1	99 (RHD)	R16 A	103 (RHD)
C14	100 (RHD)	J2	99 (RHD)	R17 B	103 (RHD)
C15	100 (RHD)	J3 B	101 (RHD)	R20	103 (RHD)
D3	100 (RHD)	J4 A	101 (RHD)	R24	103 (RHD)
D4	102 (RHD)	J5	101 (RHD)	S10	101 (RHD)
D5	102 (RHD)	J7	101 (RHD)	T4 A	101 (RHD)
D6	102 (RHD)	J9	101 (RHD)	T5 B	101 (RHD)
D7	102 (RHD)	J13	102 (RHD)	T6	101 (RHD)
D8	102 (RHD)	J14	102 (RHD)	T15	103 (RHD)
D9	102 (RHD)	J15	102 (RHD)	U1	101 (RHD)
D10	102 (RHD)	J18	104 (RHD)	V8	103 (RHD)
D11	102 (RHD)	J20	101 (RHD)	V9	103 (RHD)
D12	102 (RHD)	M6	102 (RHD)	W2	99 (RHD)
E3	98 (RHD)	P3	101 (RHD)	W5	103 (RHD)
E9	100 (RHD)	P4	103 (RHD)		

MULTIPLEX COMMUNICATION SYSTEM (RHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1B		
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1E		
1F		
1G		
1H		
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3E		
3F		
3G		
3H		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5B		
5C		
5D		
5E		
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	116 (RHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	118 (RHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
ID1	118 (RHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
II1	120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
BF1	124 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

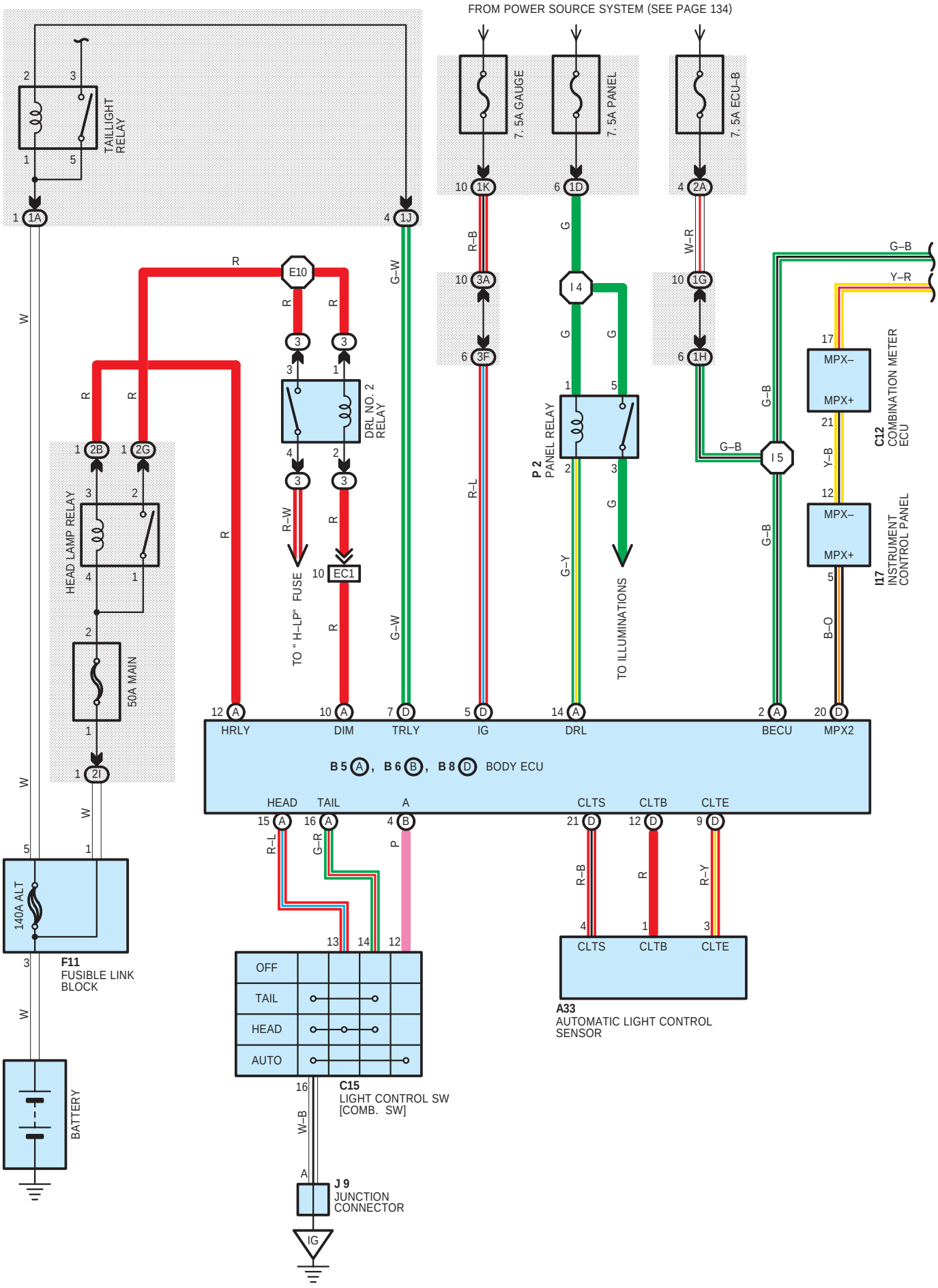
 **: GROUND POINTS**

Code	See Page	Ground Points Location
EA	116 (RHD)	Engine Compartment Right
ED	116 (RHD)	Right Radiator Side Support
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BL	122 (RHD)	Left Rear Quarter Panel
BM	122 (RHD)	Under the Rear RH Seat
BN	122 (RHD)	Back Panel Center

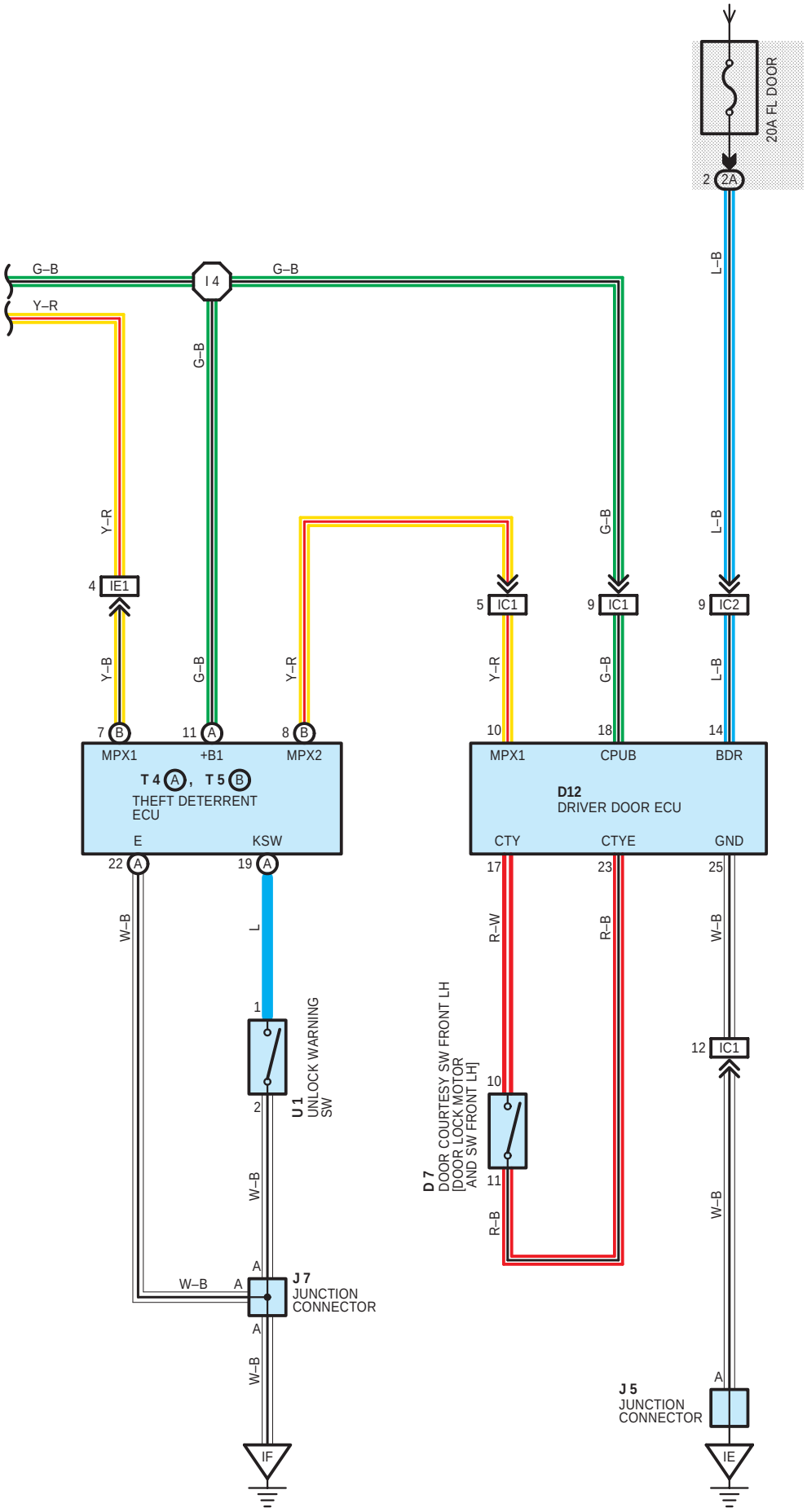
 **: SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	120 (RHD)	Cowl Wire	B1	122 (RHD)	Rear Door RH Wire
I4			B3	122 (RHD)	Roof Wire
I8			B4		
I10			B6	122 (RHD)	Floor Wire
I11			B7	122 (RHD)	Floor No.2 Wire
I12			B8	122 (RHD)	Floor Wire

AUTOMATIC LIGHT CONTROL (LHD)



FROM POWER SOURCE SYSTEM (SEE PAGE 134)



AUTOMATIC LIGHT CONTROL (LHD)

SYSTEM OUTLINE

When the light control SW is set at AUTO, the automatic light control system automatically turns on or off the taillights and headlights depending on the brightness around the vehicle.

AUTOMATIC LIGHT CONTROL OPERATION

The automatic light control sensor converts the intensity of the illumination into frequency and inputs it to the body ECU. When the light control SW is set at AUTO, the signal is input to TERMINAL A of the body ECU. Through communication control of the body ECU and door ECU etc. , the taillights and headlights are automatically turned on or off.

* Turn on Function
  When the body ECU receives a frequency signal from the automatic light control sensor, and determines that the brightness around the vehicle is below a predetermined level, it controls the TERMINALS TRLY and HRLY. This turns on the taillight relay and HEAD LAMP relay, and thus turns on the headlights and taillights.
* Turn off Function
  When the body ECU receivers a frequency signal from the automatic light control sensor, and determines that the brightness around the vehicle is above a predetermined level, it controls the TERMINALS TRLY and HRLY. This turns off the taillight relay and HEAD LAMP relay, and thus turns off the headlights and taillights. In addition, the headlights and taillights will be turned off when the ignition SW is turned from on to off and the driver door is opened, during automatic light control.

SERVICE HINTS

C15 LIGHT CONTROL SW [COMB. SW]

14–16 : Closed with the light control SW at **TAIL** or **HEAD** position
13–16 : Closed with the light control SW at **HEAD** position
12–16 : Closed with the light control SW at **AUTO** position

D7 DOOR COURTESY SW FRONT LH

10–11 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A33	92 (LHD)	D7	94 (LHD)	J9	93 (LHD)
B5 A	92 (LHD)	D12	94 (LHD)	P2	93 (LHD)
B6 B	92 (LHD)	F11	90 (LHD)	T4 A	93 (LHD)
B8 D	92 (LHD)	I17	93 (LHD)	T5 B	93 (LHD)
C12	92 (LHD)	J5	93 (LHD)	U1	93 (LHD)
C15	92 (LHD)	J7	93 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	88	R/B No.3 (Engine Compartment Front Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1D		
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2G	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)

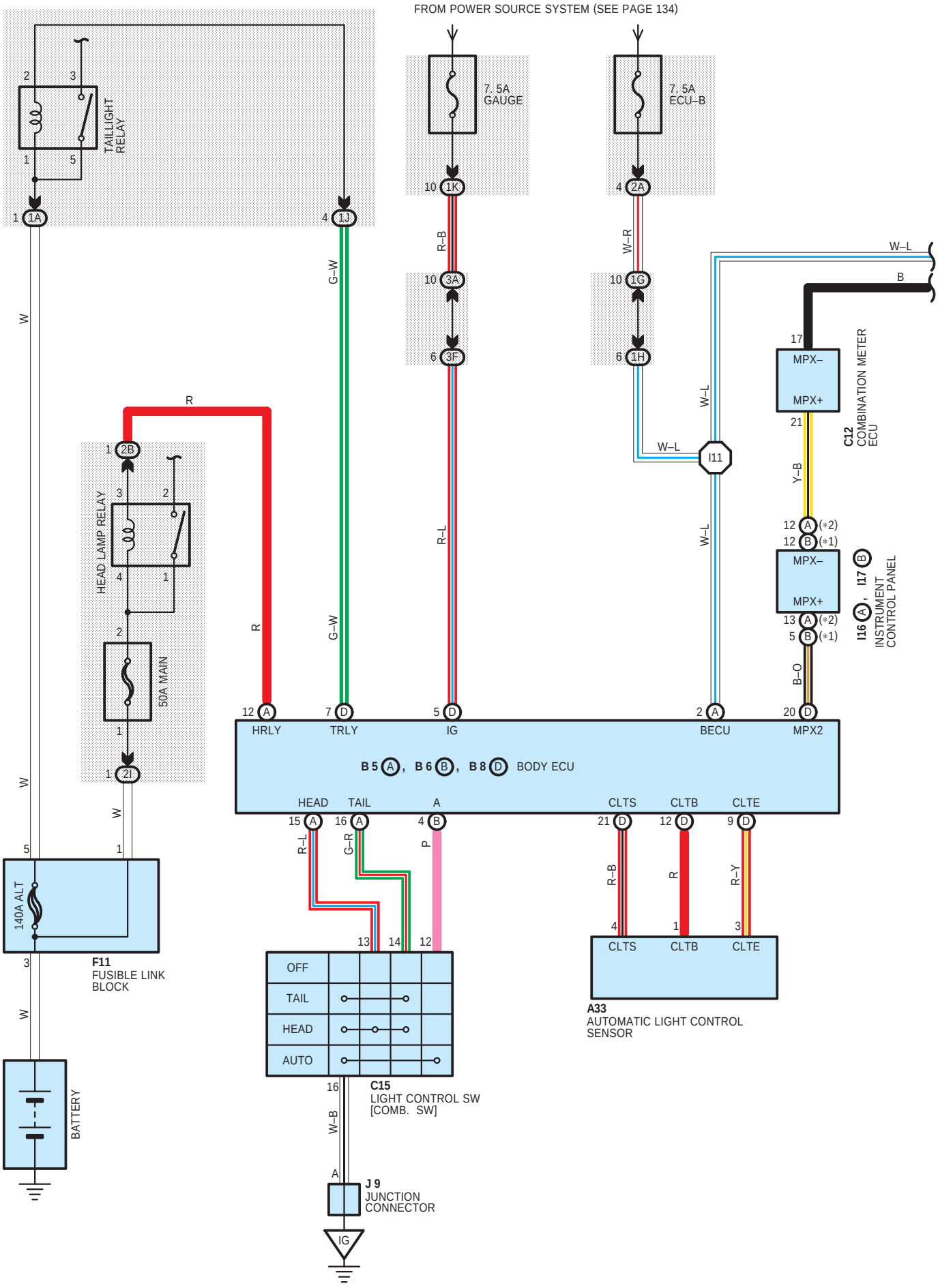
: GROUND POINTS

Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH

: SPLICE POINTS

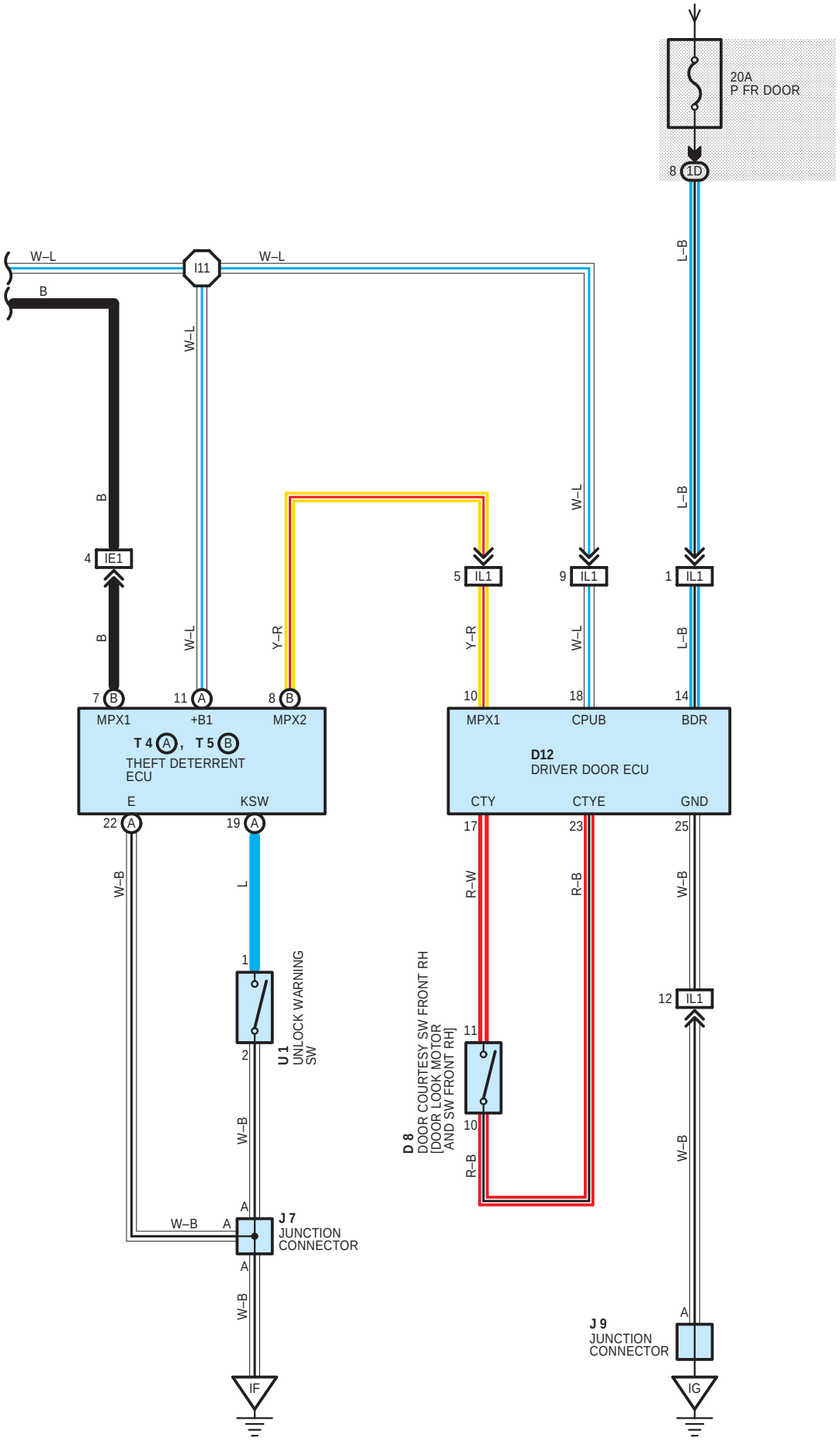
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E10	106 (LHD)	Engine Room Main Wire	I5	110 (LHD)	Cowl Wire
I4	110 (LHD)	Cowl Wire			

AUTOMATIC LIGHT CONTROL (RHD)



* 1 : EUROPE
* 2 : EXCEPT EUROPE

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



AUTOMATIC LIGHT CONTROL (RHD)

SYSTEM OUTLINE

When the light control SW is set at AUTO, the automatic light control system automatically turns on or off the taillights and headlights depending on the brightness around the vehicle.

AUTOMATIC LIGHT CONTROL OPERATION

The automatic light control sensor converts the intensity of the illumination into frequency and inputs it to the body ECU. When the light control SW is set at AUTO, the signal is input to TERMINAL A of the body ECU. Through communication control of the body ECU and door ECU etc. , the taillights and headlights are automatically turned on or off.

* Turn on Function
  When the body ECU receives a frequency signal from the automatic light control sensor, and determines that the brightness around the vehicle is below a predetermined level, it controls the TERMINALS TRLY and HRLY. This turns on the taillight relay and HEAD LAMP relay, and thus turns on the headlights and taillights.
* Turn off Function
  When the body ECU receivers a frequency signal from the automatic light control sensor, and determines that the brightness around the vehicle is above a predetermined level, it controls the TERMINALS TRLY and HRLY. This turns off the taillight relay and HEAD LAMP relay, and thus turns off the headlights and taillights. In addition, the headlights and taillights will be turned off when the ignition SW is turned from on to off and the driver door is opened, during automatic light control.

SERVICE HINTS

C15 LIGHT CONTROL SW [COMB. SW]

14–16 : Closed with the light control SW at **TAIL** or **HEAD** position
13–16 : Closed with the light control SW at **HEAD** position
12–16 : Closed with the light control SW at **AUTO** position

D8 DOOR COURTESY SW FRONT RH

11–10 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A33	100 (RHD)	D8	102 (RHD)	J9	101 (RHD)
B5 A	100 (RHD)	D12	102 (RHD)	T4 A	101 (RHD)
B6 B	100 (RHD)	F11	98 (RHD)	T5 B	101 (RHD)
B8 D	100 (RHD)	I16 A	101 (RHD)	U1	101 (RHD)
C12	100 (RHD)	I17 B	101 (RHD)		
C15	100 (RHD)	J7	101 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)



: GROUND POINTS

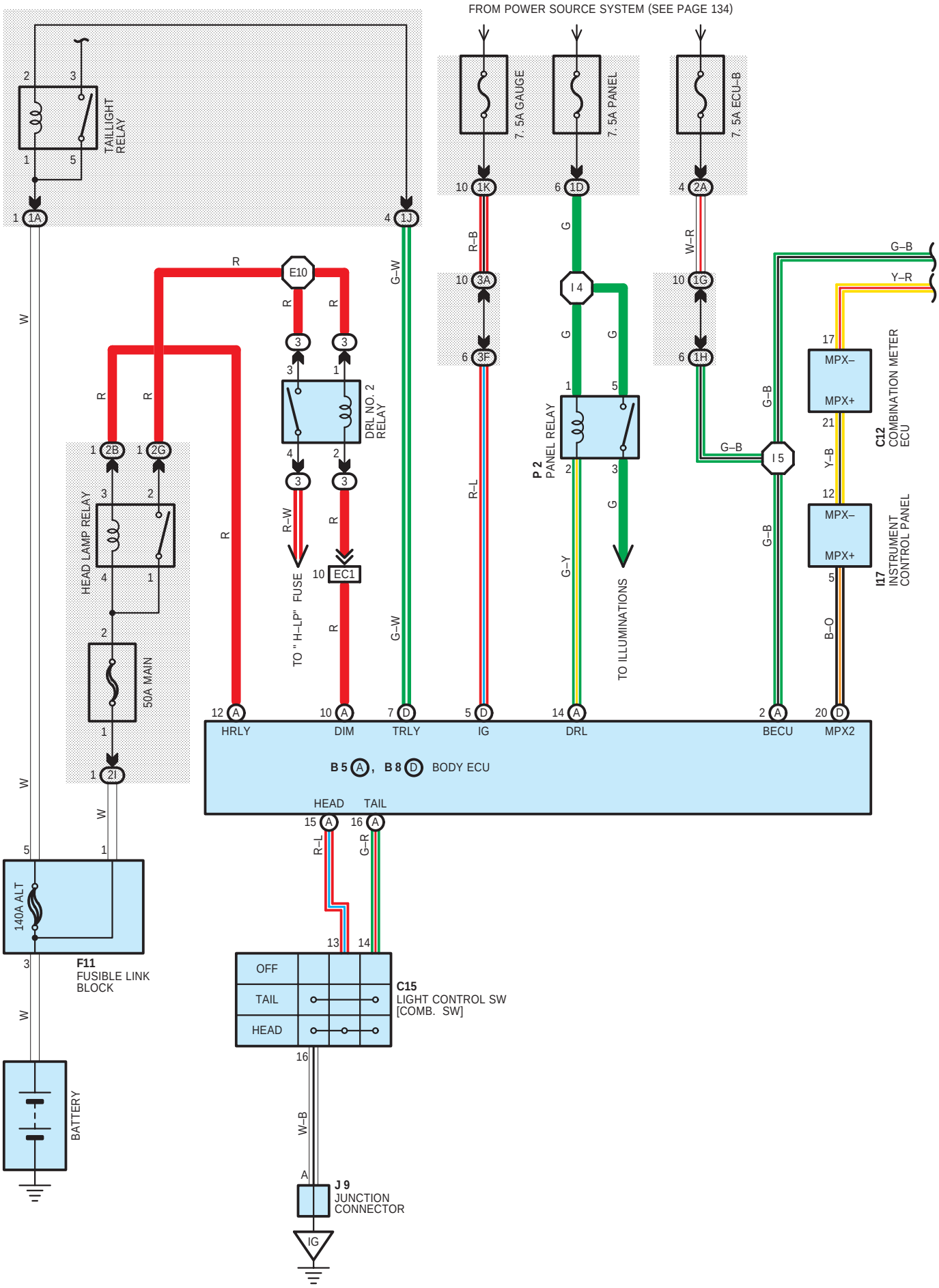
Code	See Page	Ground Points Location
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH

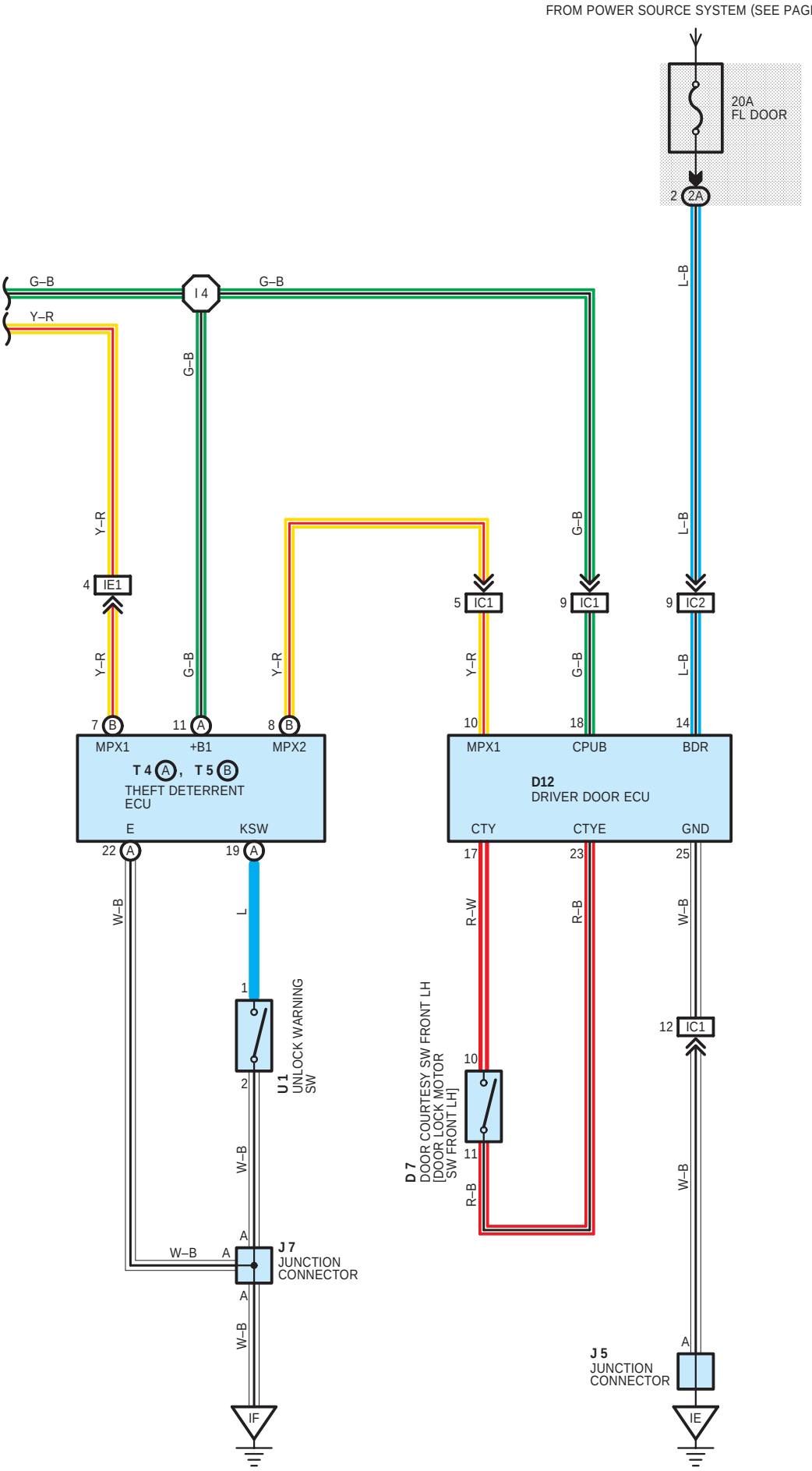


: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I11	120 (RHD)	Cowl Wire			

LIGHT AUTO TURN OFF (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2
2A
L–B
G–B
I 4
G–B
Y–R
G–B
Y–R
G–B
L–B
4
IE1
5
IC1
9
IC1
9
IC2
Y–R
G–B
Y–R
Y–R
G–B
L–B
7
B
11
A
8
B
10
18
14
MPX1
+B1
MPX2
MPX1
CPUB
BDR
T 4 A , T 5 B
THEFT DETERRENT
ECU
D12
DRIVER DOOR ECU
E
KSW
CTY
CTYE
GND
22
A
19
A
17
23
25
W–B
L
R–W
R–B
W–B
1
12
IC1
D 7
DOOR COURTESY SW FRONT LH
[DOOR LOCK MOTOR
SW FRONT LH]
10
2
U 1
UNLOCK WARNING
SW
11
W–B
R–B
W–B
A
W–B
A
J 7
JUNCTION
CONNECTOR
A
W–B
J 5
JUNCTION
CONNECTOR
A
IF
IE

LIGHT AUTO TURN OFF (LHD)

SYSTEM OUTLINE

This system automatically turns off the front fog lights and/or headlights when the driver door is opened and closed to prevent the lights from remaining lit.

LIGHT AUTO TURN OFF OPERATION

* Front fog lights and headlights on

If the ignition SW is turned from on to off with the front fog light and headlights turned on (The light control SW at HEAD position), the signal is input to TERMINAL IG of the body ECU. At this time, if the driver door is opened, the signal is input from the door courtesy SW front LH to TERMINAL CTY of the driver door ECU. After that, TERMINALS TAIL and HEAD of the body ECU is controlled through communication control of the body ECU and door ECU etc. to turn off the taillight relay and HEAD LAMP relay. As a result, the current flowing into the front fog lights and headlights is cut off to turn off the front fog lights and headlights.

SERVICE HINTS

C15 LIGHT CONTROL SW [COMB. SW]

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

D7 DOOR COURTESY SW FRONT LH

10–11 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	D12	94 (LHD)	J9	93 (LHD)
B8 D	92 (LHD)	F11	90 (LHD)	P2	93 (LHD)
C12	92 (LHD)	I17	93 (LHD)	T4 A	93 (LHD)
C15	92 (LHD)	J5	93 (LHD)	T5 B	93 (LHD)
D7	94 (LHD)	J7	93 (LHD)	U1	93 (LHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	88	R/B No.3 (Engine Compartment Front Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1D		
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2G	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)

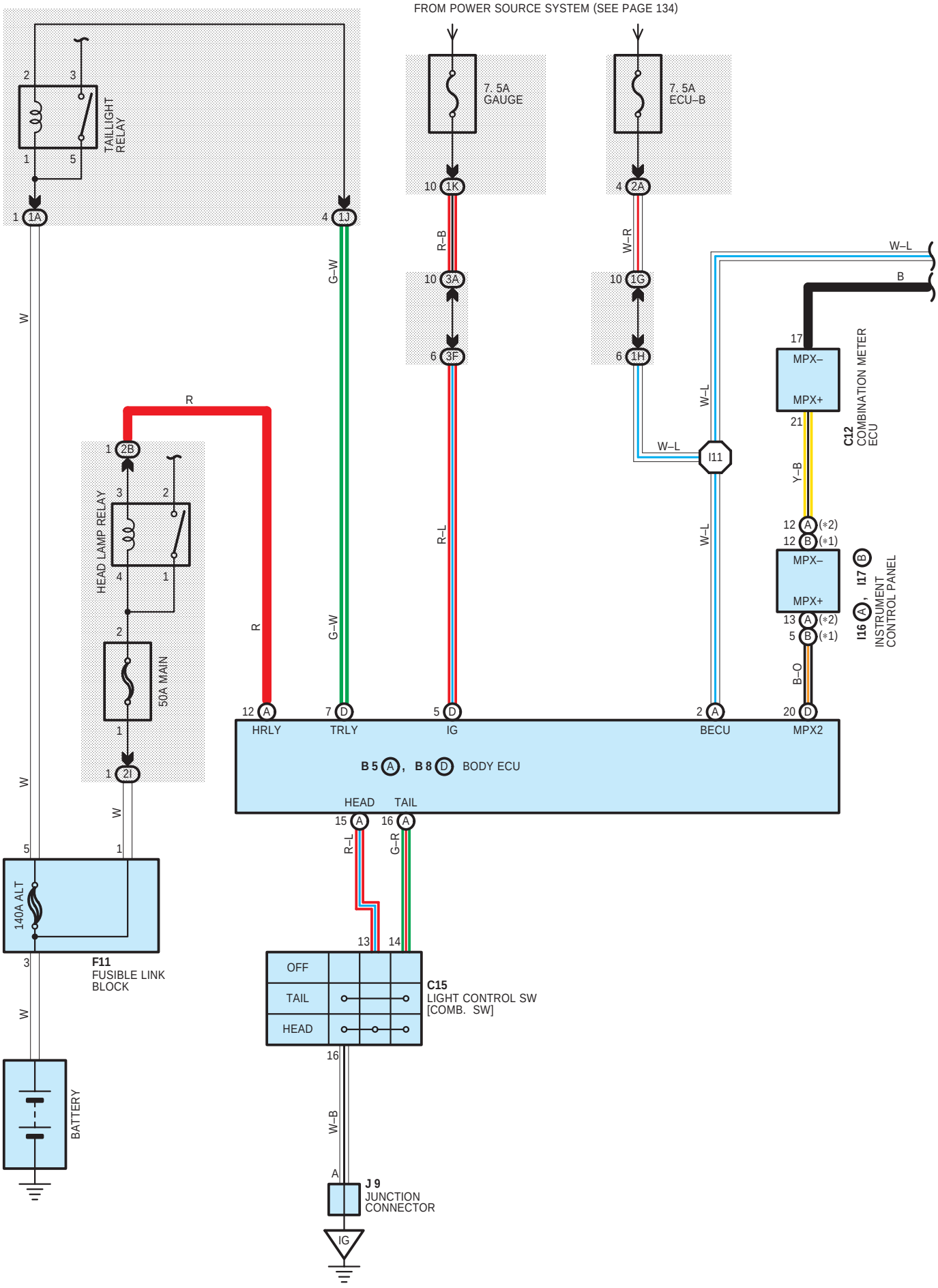
: GROUND POINTS

Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH

: SPLICE POINTS

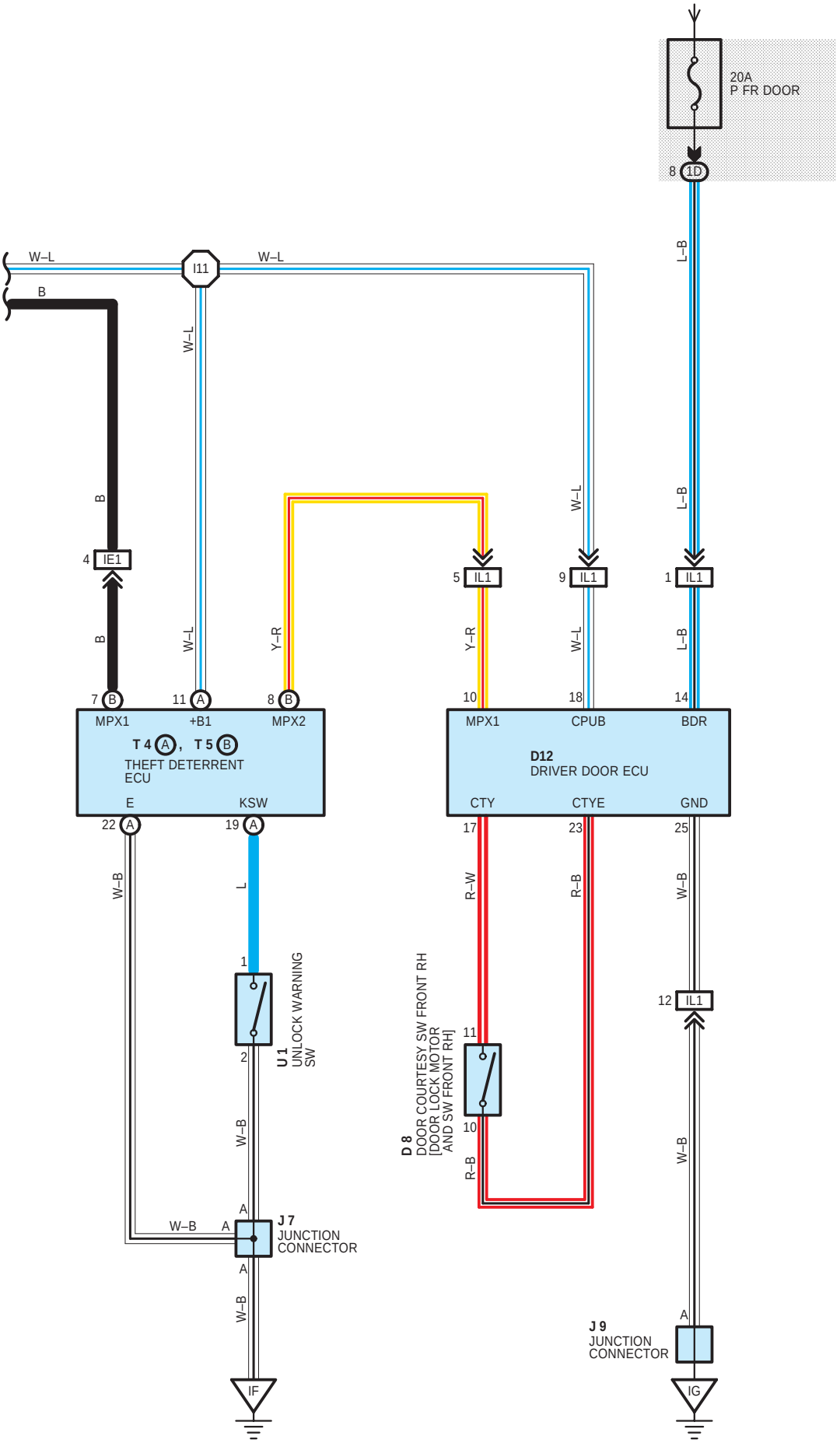
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E10	106 (LHD)	Engine Room Main Wire	I5	110 (LHD)	Cowl Wire
I4	110 (LHD)	Cowl Wire			

LIGHT AUTO TURN OFF (RHD)



* 1 : EUROPE
* 2 : EXCEPT EUROPE

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



LIGHT AUTO TURN OFF (RHD)

SYSTEM OUTLINE

This system automatically turns off the front fog lights and/or headlights when the driver door is opened and closed to prevent the lights from remaining lit.

LIGHT AUTO TURN OFF OPERATION

* Front fog lights and headlights on

If the ignition SW is turned from on to off with the front fog light and headlights turned on (The light control SW at HEAD position), the signal is input to TERMINAL IG of the body ECU. At this time, if the driver door is opened, the signal is input from the door courtesy SW front RH to TERMINAL CTY of the driver door ECU. After that, TERMINALS TAIL and HEAD of the body ECU is controlled through communication control of the body ECU and door ECU etc. to turn off the taillight relay and HEAD LAMP relay. As a result, the current flowing into the front fog lights and headlights is cut off to turn off the front fog lights and headlights.

SERVICE HINTS

C15 LIGHT CONTROL SW [COMB. SW]

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

D8 DOOR COURTESY SW FRONT RH

11–10 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B5	A	100 (RHD)	D12		102 (RHD)	J9		101 (RHD)
B8	D	100 (RHD)	F11		98 (RHD)	T4	A	101 (RHD)
C12		100 (RHD)	I16	A	101 (RHD)	T5	B	101 (RHD)
C15		100 (RHD)	I17	B	101 (RHD)	U1		101 (RHD)
D8		102 (RHD)	J7		101 (RHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)

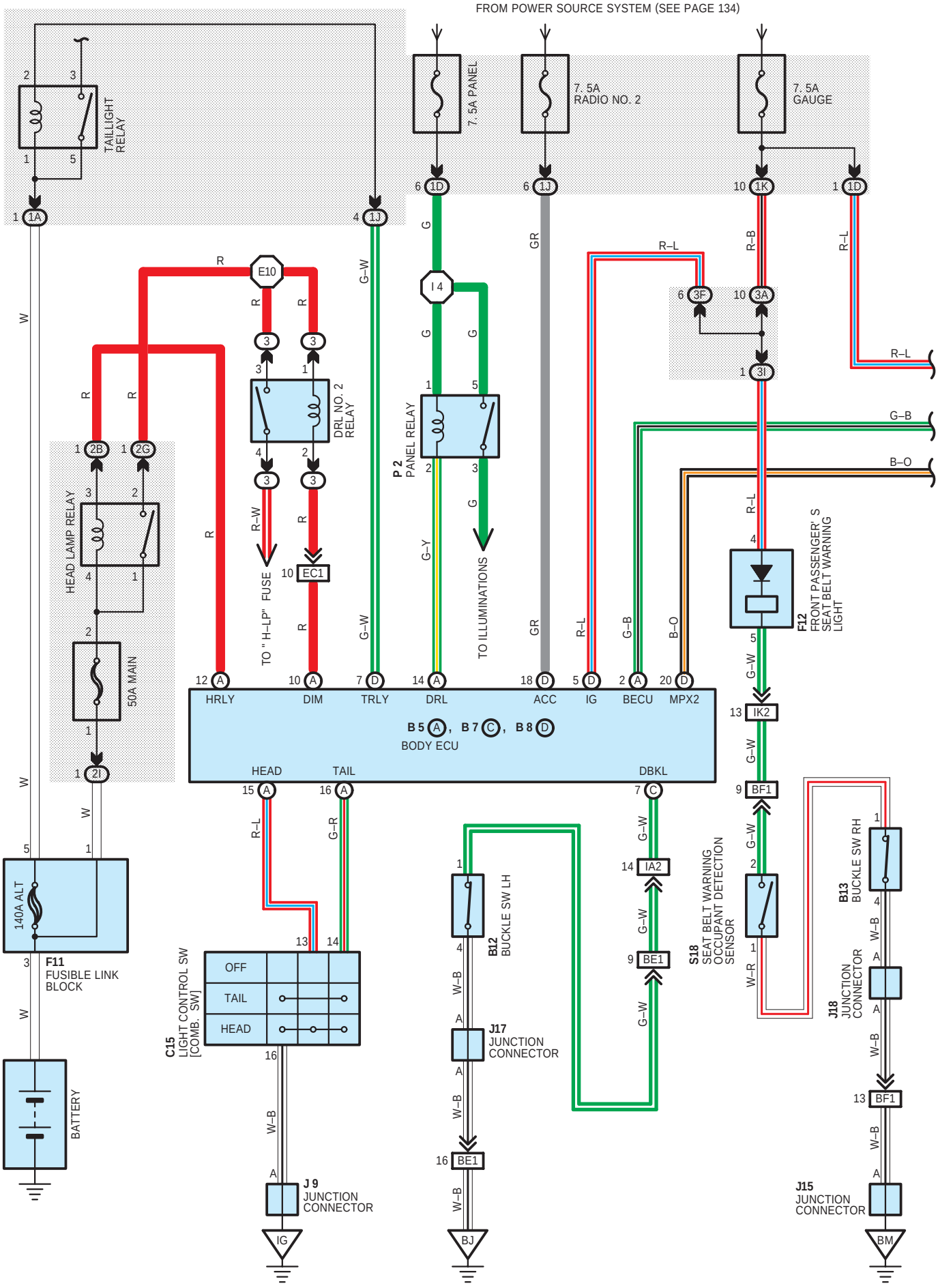
▽ : GROUND POINTS

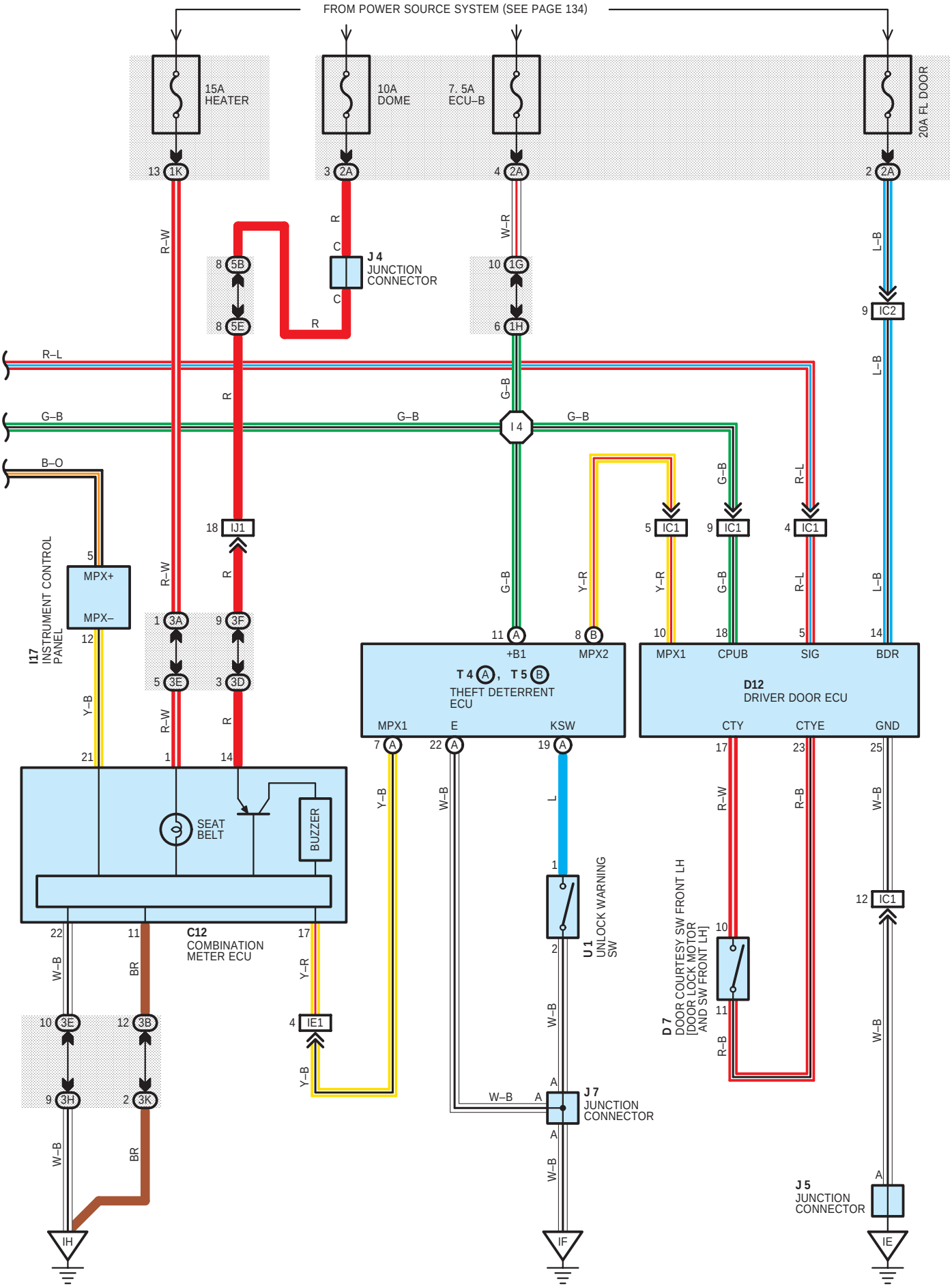
Code	See Page	Ground Points Location
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH

: **SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I11	120 (RHD)	Cowl Wire			

LIGHT REMINDER AND SEAT BELT WARNING (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A HEATER
10A DOME
7. 5A ECU–B
20A FL DOOR
J 4 JUNCTION CONNECTOR
I 4
I17 INSTRUMENT CONTROL PANEL
MPX+
MPX–
SEAT BELT
BUZZER
C12 COMBINATION METER ECU
T 4 A , T 5 B THEFT DETERRENT ECU
+B1
MPX2
MPX1
E
KSW
D12 DRIVER DOOR ECU
MPX1
CPUB
SIG
BDR
CTY
CTYE
GND
U 1 UNLOCK WARNING SW
D 7 DOOR COURTESY SW FRONT LH [DOOR LOCK MOTOR AND SW FRONT LH]
J 7 JUNCTION CONNECTOR
J 5 JUNCTION CONNECTOR
IH
IF
IE

LIGHT REMINDER AND SEAT BELT WARNING (LHD)

SYSTEM OUTLINE

1. SEAT BELT WARNING SYSTEM

When the ignition SW is turned to the ON position, the signal is input to the body ECU and door ECU. At this time, to determine whether or not the driver fastens the seat belt, the signal from the buckle SW LH is input to TERMINAL DBKL of the body ECU. If the driver does not fasten the seat belt, the seat belt warning light in the combination meter light up goes on, in response to the communication control of the body ECU and door ECU etc.

Additionally, the sensor (Seat belt warning occupant detection sensor) installed on the front passenger seat detects the passenger and determines whether or not the passenger fastens the seat belt.

If the passenger does not fasten the seat belt, the front passenger seat belt warning light is flashed.

2. LIGHT REMINDER SYSTEM

The buzzer will remind you to turn the lights off when the driver's door is opened with the ignition SW OFF and also the taillight SW ON. If the taillight SW is turned to OFF, the buzzer will stop

SERVICE HINTS

S18 SEAT BELT WARNING OCCUPANT DETECTION SENSOR

1–2 : Closed with the passenger sit on the front passenger seat

C15 LIGHT CONTROL SW [COMB. SW]

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

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

D7 DOOR COURTESY SW FRONT LH

10–11 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
B5	A	92 (LHD)	D12	94 (LHD)	J15		94 (LHD)
B7	C	92 (LHD)	F11	90 (LHD)	J17		96 (LHD)
B8	D	92 (LHD)	F12	93 (LHD)	J18		96 (LHD)
B12		96 (LHD)	I17	93 (LHD)	P2		93 (LHD)
B13		96 (LHD)	J4	93 (LHD)	S18		96 (LHD)
C12		92 (LHD)	J5	93 (LHD)	T4	A	93 (LHD)
C15		92 (LHD)	J7	93 (LHD)	T5	B	93 (LHD)
D7		94 (LHD)	J9	93 (LHD)	U1		93 (LHD)

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
3	88	R/B No.3 (Engine Compartment Front Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1D		
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2G	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2I		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3H		
3I		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA2	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
BE1	114 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BF1	114 (LHD)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

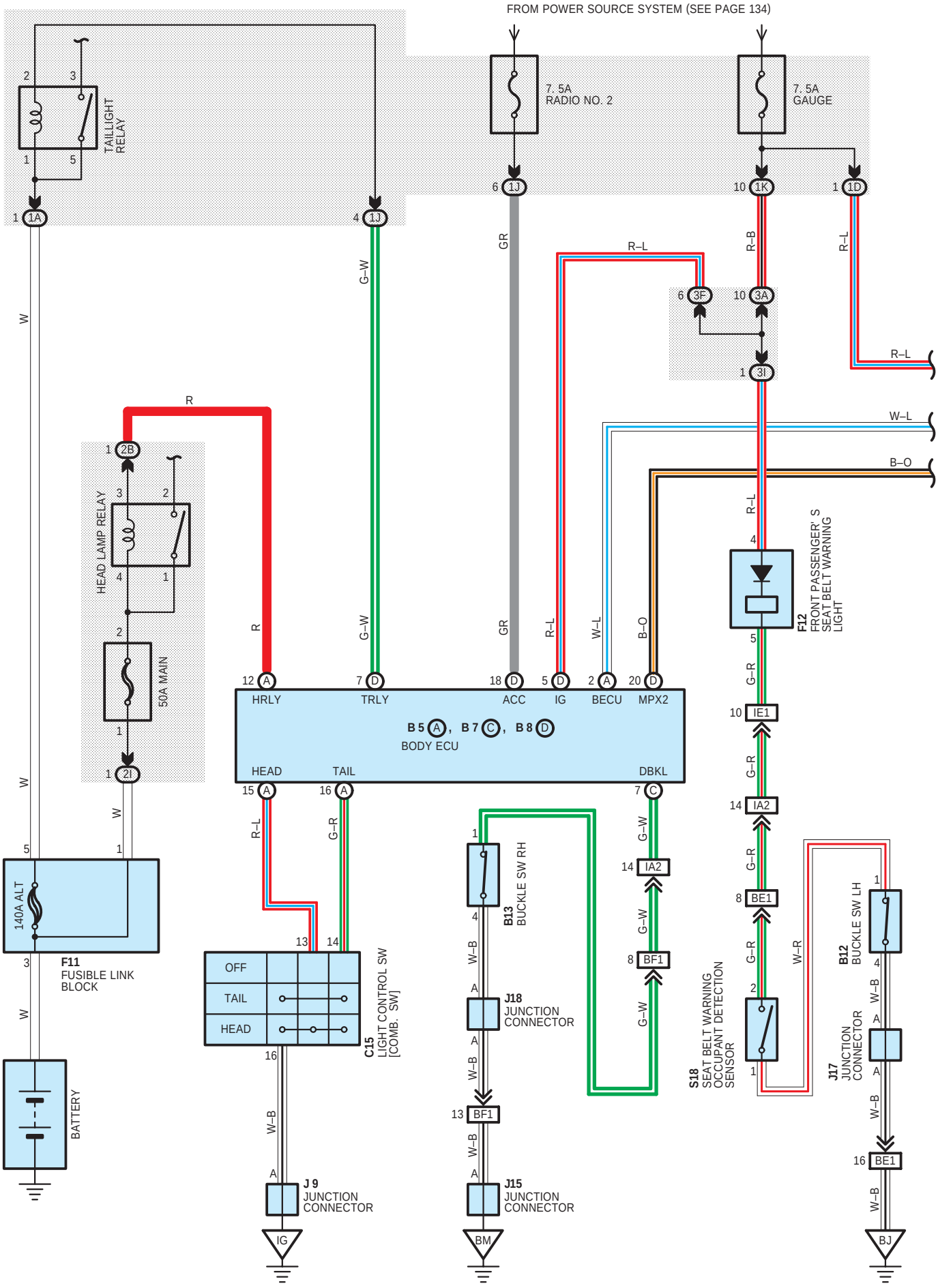
: GROUND POINTS

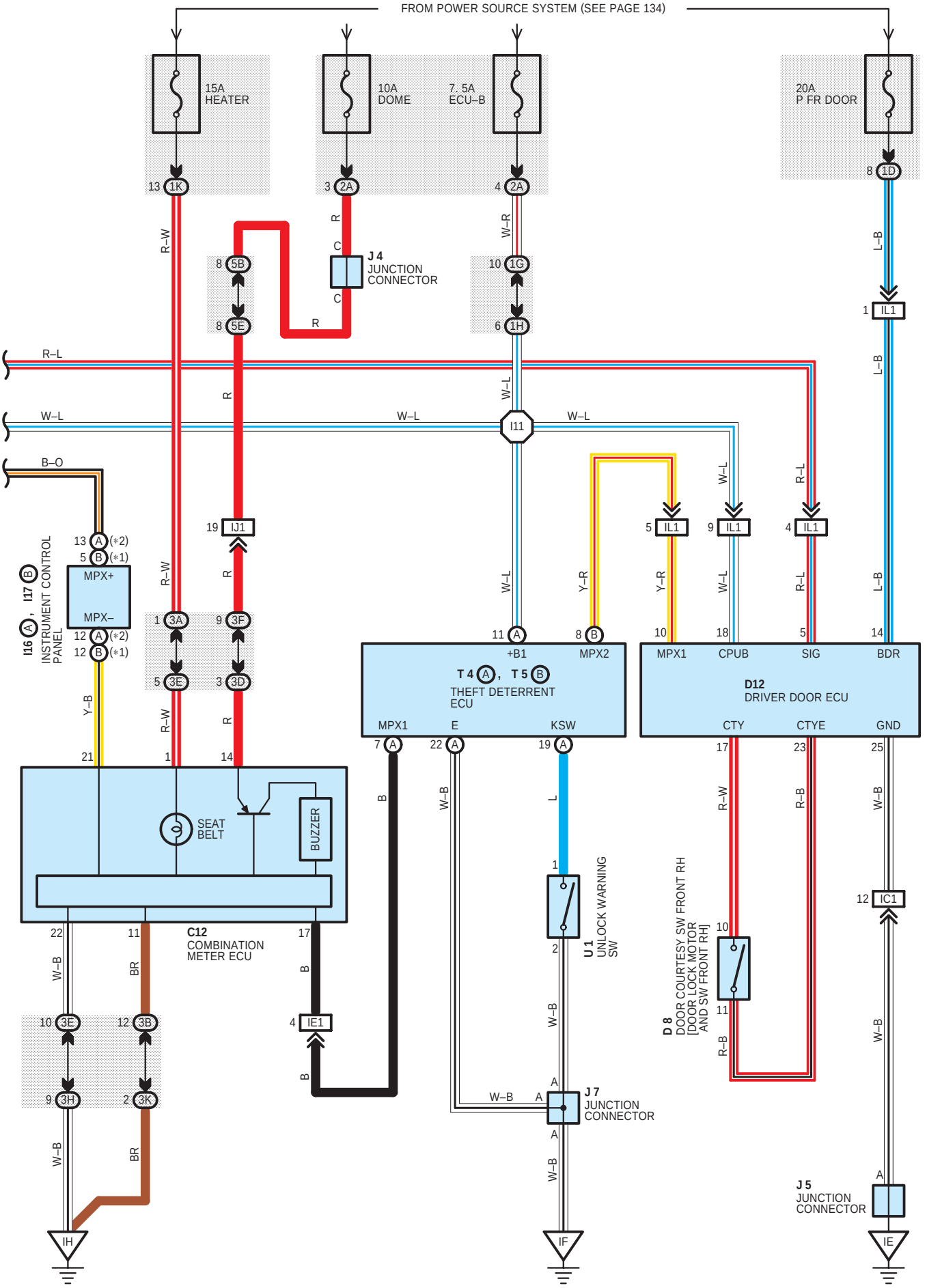
Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BM	112 (LHD)	Under the Rear RH Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E10	106 (LHD)	Engine Room Main Wire	I4	110 (LHD)	Cowl Wire

LIGHT REMINDER AND SEAT BELT WARNING (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A HEATER
10A DOME
7. 5A ECU–B
20A P FR DOOR
13 1K
3 2A
4 2A
8 1D
R–W
R
W–R
L–B
J 4 JUNCTION CONNECTOR
8 5B
8 5E
10 1G
6 1H
1 IL1
R–L
W–L
I11
B–O
19 IJ1
I16 A , I17 B INSTRUMENT CONTROL PANEL
MPX+
MPX–
13 A (*2)
5 B (*1)
12 A (*2)
12 B (*1)
1 3A
9 3F
5 3E
3 3D
Y–B
21
1
14
SEAT BELT
BUZZER
C12 COMBINATION METER ECU
22
11
17
W–B
BR
B
10 3E
12 3B
9 3H
2 3K
4 IE1
IH
11 A
8 B
+B1
MPX2
T 4 A , T 5 B THEFT DETERRENT ECU
MPX1
E
KSW
7 A
22 A
19 A
Y–R
5 IL1
9 IL1
4 IL1
D12 DRIVER DOOR ECU
MPX1
CPUB
SIG
BDR
10
18
5
14
CTY
CTYE
GND
17
23
25
U 1 UNLOCK WARNING SW
1
2
D 8 DOOR COURTESY SW FRONT RH [DOOR LOCK MOTOR AND SW FRONT RH]
10
11
12 IC1
J 7 JUNCTION CONNECTOR
A
IF
J 5 JUNCTION CONNECTOR
IE

LIGHT REMINDER AND SEAT BELT WARNING (RHD)

SYSTEM OUTLINE

1. SEAT BELT WARNING SYSTEM

When the ignition SW is turned to the ON position, the signal is input to the body ECU and door ECU. At this time, to determine whether or not the driver fastens the seat belt, the signal from the buckle SW RH is input to TERMINAL DBKL of the body ECU. If the driver does not fasten the seat belt, the seat belt warning light in the combination meter light up and the alarm buzzer goes on, in response to the communication control of the body ECU and door ECU etc.

Additionally, the sensor (Seat belt warning occupant detection sensor) installed on the front passenger seat detects the passenger and determines whether or not the passenger fastens the seat belt.

If the passenger does not fasten the seat belt, the front passenger seat belt warning light is flashed.

2. LIGHT REMINDER SYSTEM

The buzzer will remind you to turn the lights off when the driver's door is opened with the ignition SW OFF and also the taillight SW ON. If the taillight SW is turned to OFF, the buzzer will stop

SERVICE HINTS

S17 SEAT BELT WARNING OCCUPANT DETECTION SENSOR

1–2 : Closed with the passenger sit on the front passenger seat

C15 LIGHT CONTROL SW [COMB. SW]

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

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

D8 DOOR COURTESY SW FRONT RH

10–11 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B5	A	100 (RHD)	D12		102 (RHD)	J9		101 (RHD)
B7	C	100 (RHD)	F11		98 (RHD)	J15		102 (RHD)
B8	D	100 (RHD)	F12		101 (RHD)	J17		104 (RHD)
B12		104 (RHD)	I16	A	101 (RHD)	J18		104 (RHD)
B13		104 (RHD)	I17	B	101 (RHD)	S18		104 (RHD)
C12		100 (RHD)	J4		101 (RHD)	T4	A	101 (RHD)
C15		100 (RHD)	J5		101 (RHD)	T5	B	101 (RHD)
D8		102 (RHD)	J7		101 (RHD)	U1		101 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2I	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3H		
3I		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BE1	124 (RHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Front Passenger's Seat)
BF1	124 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

: GROUND POINTS

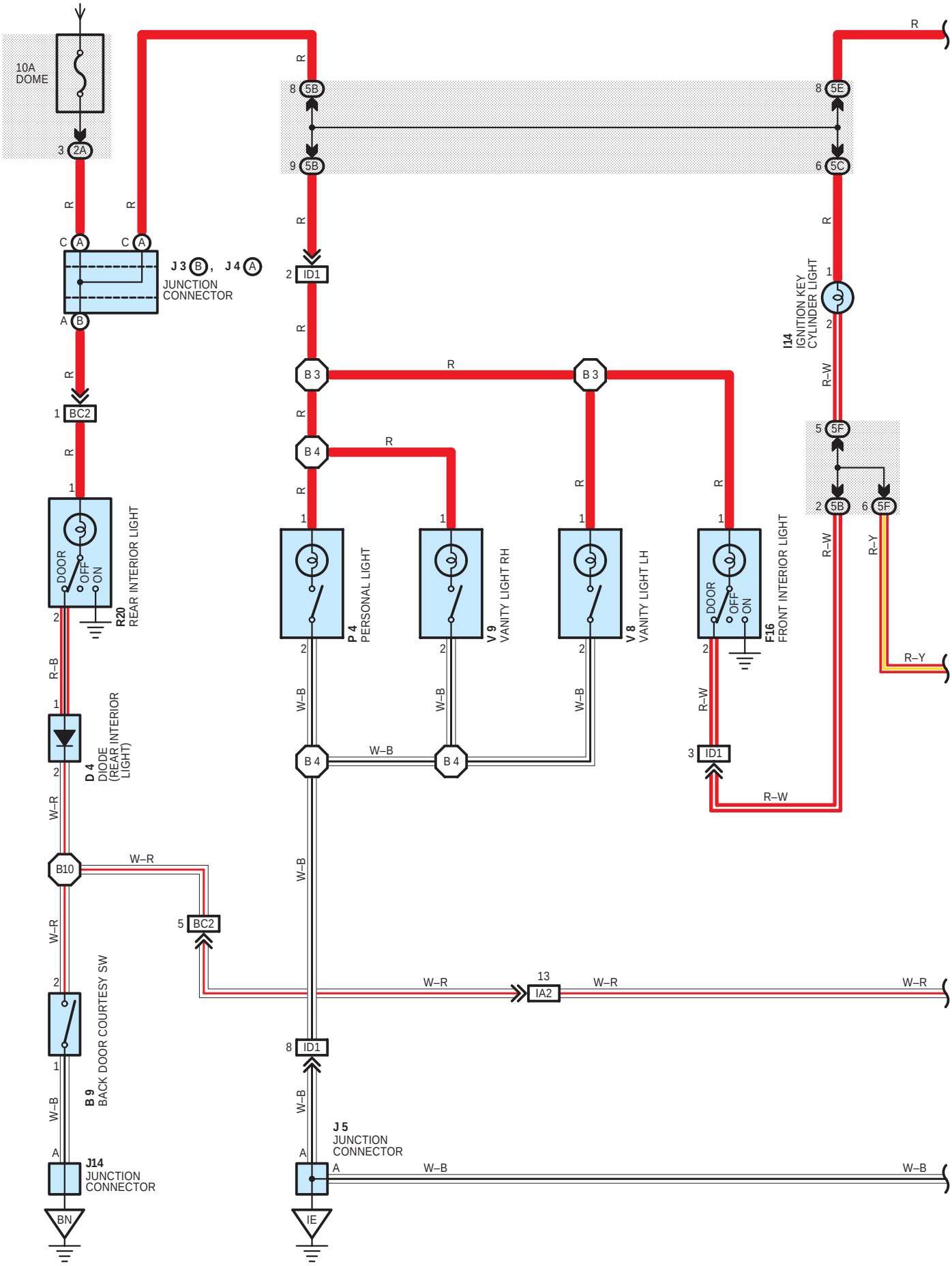
Code	See Page	Ground Points Location
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BM	122 (RHD)	Under the Rear RH Seat

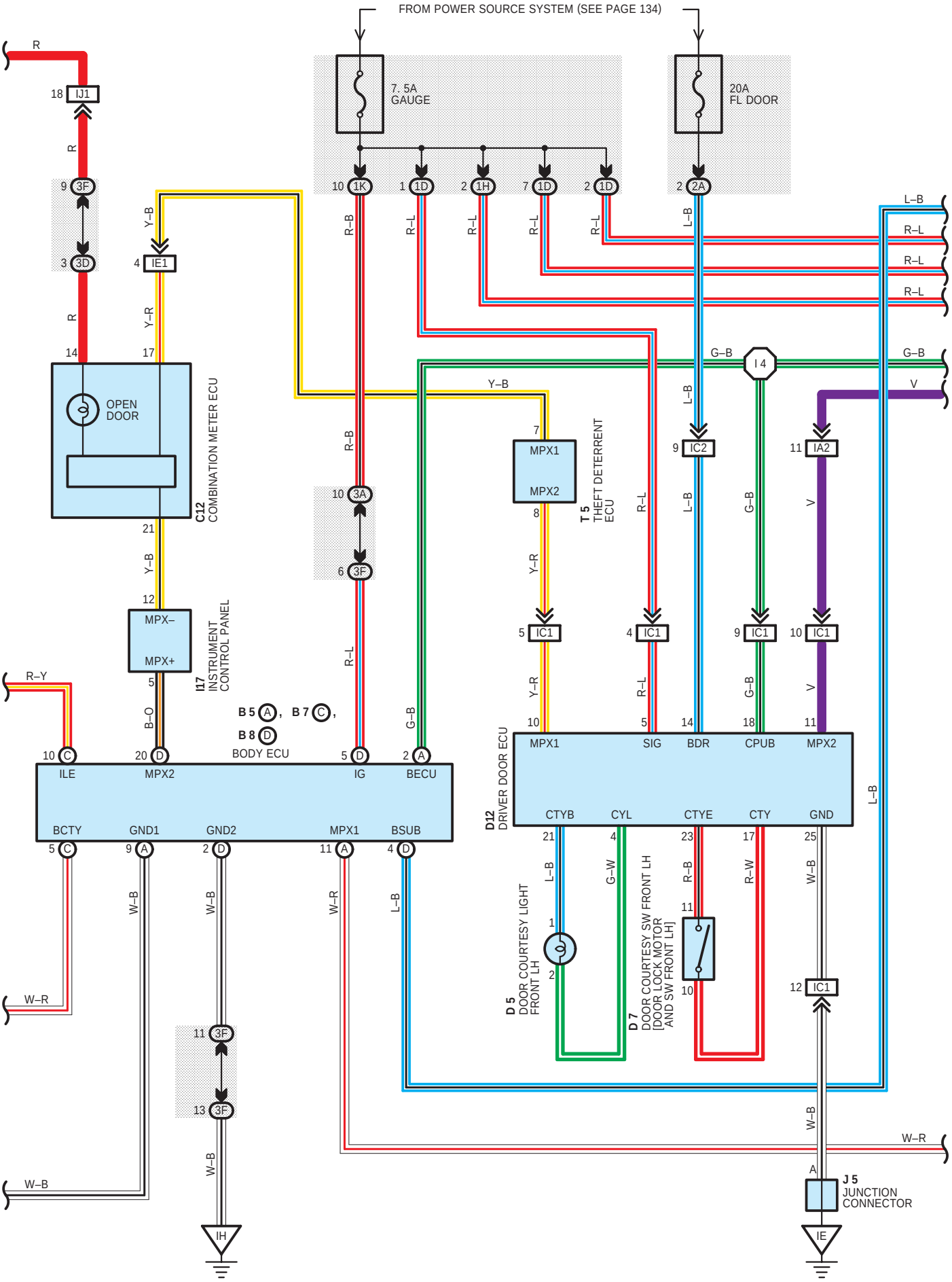
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I11	120 (RHD)	Cowl Wire			

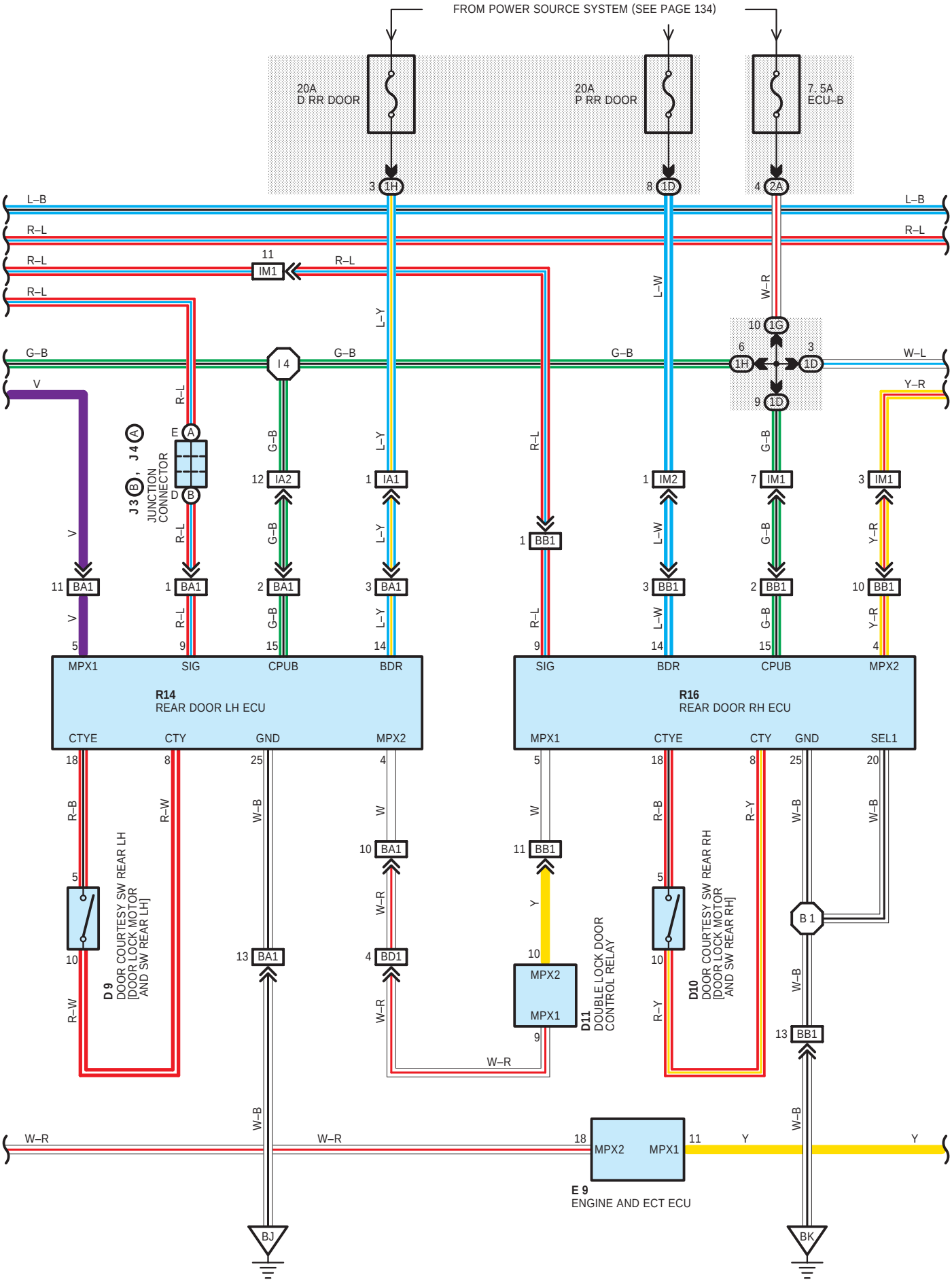
INTERIOR LIGHT (LHD)

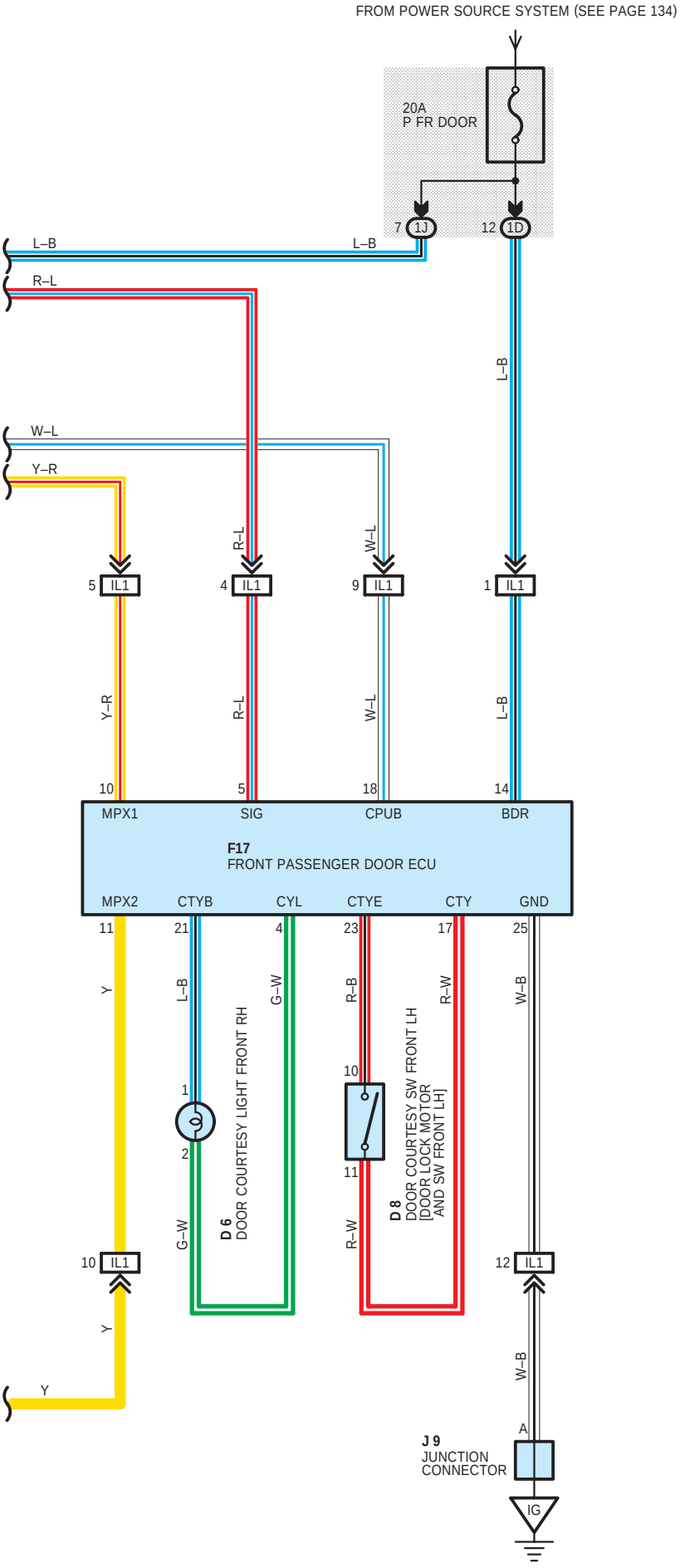
FROM POWER SOURCE SYSTEM (SEE PAGE 134)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A GAUGE
20A FL DOOR
OPEN DOOR
C12 COMBINATION METER ECU
I17 INSTRUMENT CONTROL PANEL
T 5 THEFT DETERRENT ECU
B5 A, B7 C, B8 D BODY ECU
D12 DRIVER DOOR ECU
D 5 DOOR COURTESY LIGHT FRONT LH
D 7 DOOR COURTESY SW FRONT LH [DOOR LOCK MOTOR AND SW FRONT LH]
J 5 JUNCTION CONNECTOR
ILE
MPX2
IG
BECU
BCTY
GND1
GND2
MPX1
BSUB
MPX1
SIG
BDR
CPUB
MPX2
CTYB
CYL
CTYE
CTY
GND
MPX–
MPX+
IH
IE

INTERIOR LIGHT (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
7 1J
12 1D
L–B
L–B
R–L
L–B
W–L
Y–R
R–L
W–L
5 IL1
4 IL1
9 IL1
1 IL1
Y–R
R–L
W–L
L–B
10
5
18
14
MPX1
SIG
CPUB
BDR
F17
FRONT PASSENGER DOOR ECU
MPX2
CTYB
CYL
CTYE
CTY
GND
11
21
4
23
17
25
Y
L–B
G–W
R–B
R–W
W–B
1
2
G–W
D 6
DOOR COURTESY LIGHT FRONT RH
10
11
R–W
D 8
DOOR COURTESY SW FRONT LH
[DOOR LOCK MOTOR
AND SW FRONT LH]
10 IL1
12 IL1
Y
Y
W–B
A
J 9
JUNCTION
CONNECTOR
IG

INTERIOR LIGHT (LHD)

SYSTEM OUTLINE

ILLUMINATED ENTRY SYSTEM

This system provides various functions listed below through communication control of the body ECU and door ECU etc.

* Each relevant light lights up if any door is opened.
* If all the doors are closed with the ignition SW set at OFF after any door is opened, each light lights up for 15 sec., and then fades out when the time set on the timer has elapsed.
* If any door is unlocked from the driver or passenger side or if any door is unlocked with the unlock SW on the transmitter after all the doors are closed and locked, each light lights up for 15 sec., and then fades out when the time set on the timer has elapsed.
* If the ignition SW is turned to the ACC or ON position while each light is being lit by the timer, the timer lighting is cancelled and the light fades out.
* If all the doors are closed and locked from the driver or passenger side or with the lock SW on the transmitter while each light is being lit, the timer lighting is cancelled and the light fades out.
* If all the doors are closed with the ignition SW set at ACC or ON after any door is opened, the timer lighting is cancelled and the light fades out.
* Each light above is the front interior light, ignition key cylinder light.

SERVICE HINTS

D7, D8 DOOR COURTESY SW FRONT LH, RH

10–11 : Closed with the door open

D9, D10 DOOR COURTESY SW REAR LH, RH

1–5 : Closed with the door open

B9 BACK DOOR COURTESY SW

1–2 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

F17 FRONT PASSENGER DOOR ECU

17–23 : Continuity with the front passenger door open

R14 REAR DOOR LH ECU

8–18 : Continuity with the rear LH door open

R16 REAR DOOR RH ECU

8–18 : Continuity with the rear RH door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	D10	94 (LHD)	J9	93 (LHD)
B7 C	92 (LHD)	D11	94 (LHD)	J14	94 (LHD)
B8 D	92 (LHD)	D12	94 (LHD)	P4	95 (LHD)
B9	94 (LHD)	E9	92 (LHD)	R14	95 (LHD)
C12	92 (LHD)	F16	94 (LHD)	R16	95 (LHD)
D4	94 (LHD)	F17	94 (LHD)	R20	95 (LHD)
D5	94 (LHD)	I14	93 (LHD)	T5	93 (LHD)
D6	94 (LHD)	I17	93 (LHD)	V8	95 (LHD)
D7	94 (LHD)	J3 B	93 (LHD)	V9	95 (LHD)
D8	94 (LHD)	J4 A	93 (LHD)		
D9	94 (LHD)	J5	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3F		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5C		
5E		
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
ID1	108 (LHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

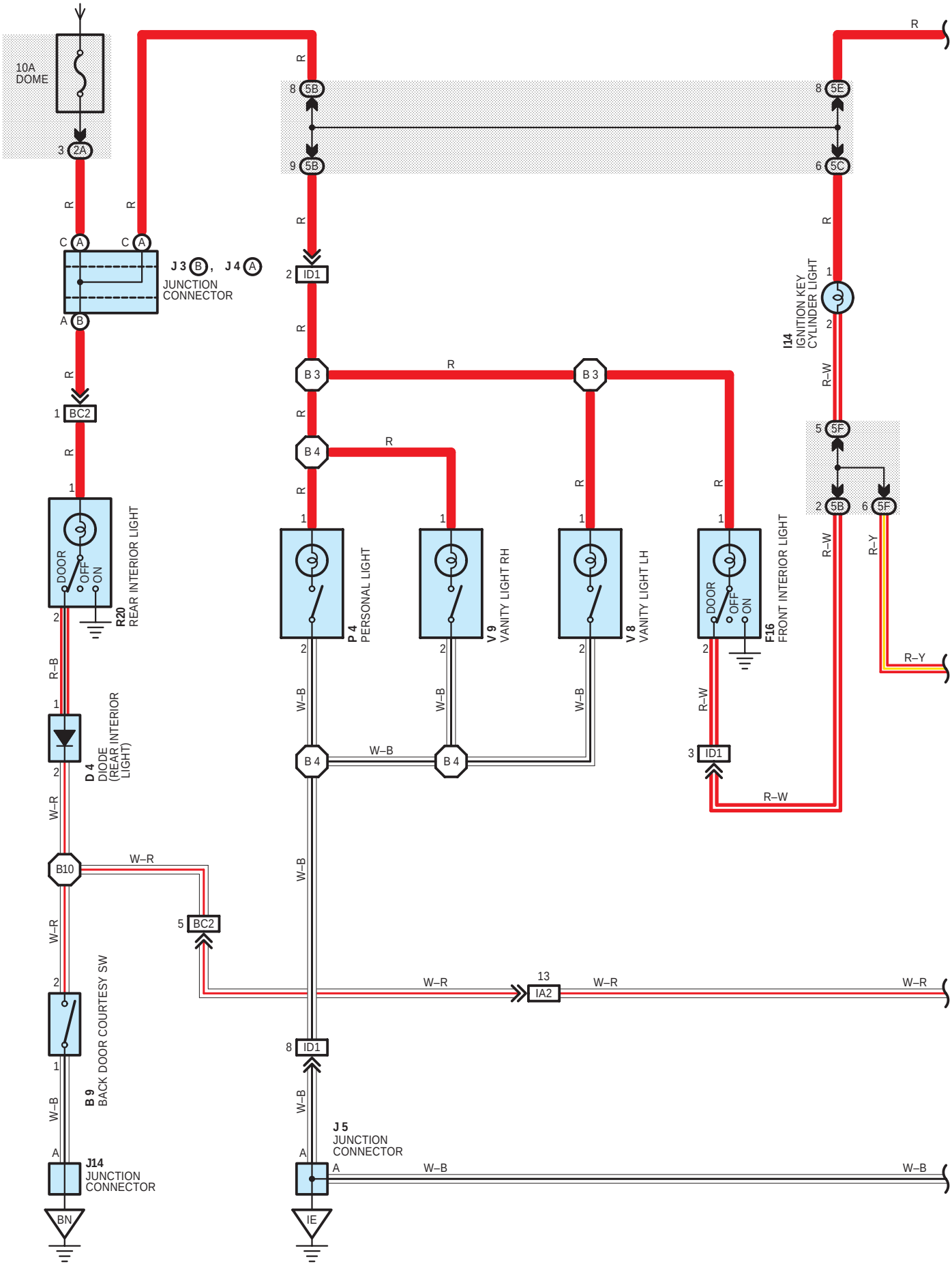
Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BN	112 (LHD)	Back Panel Center

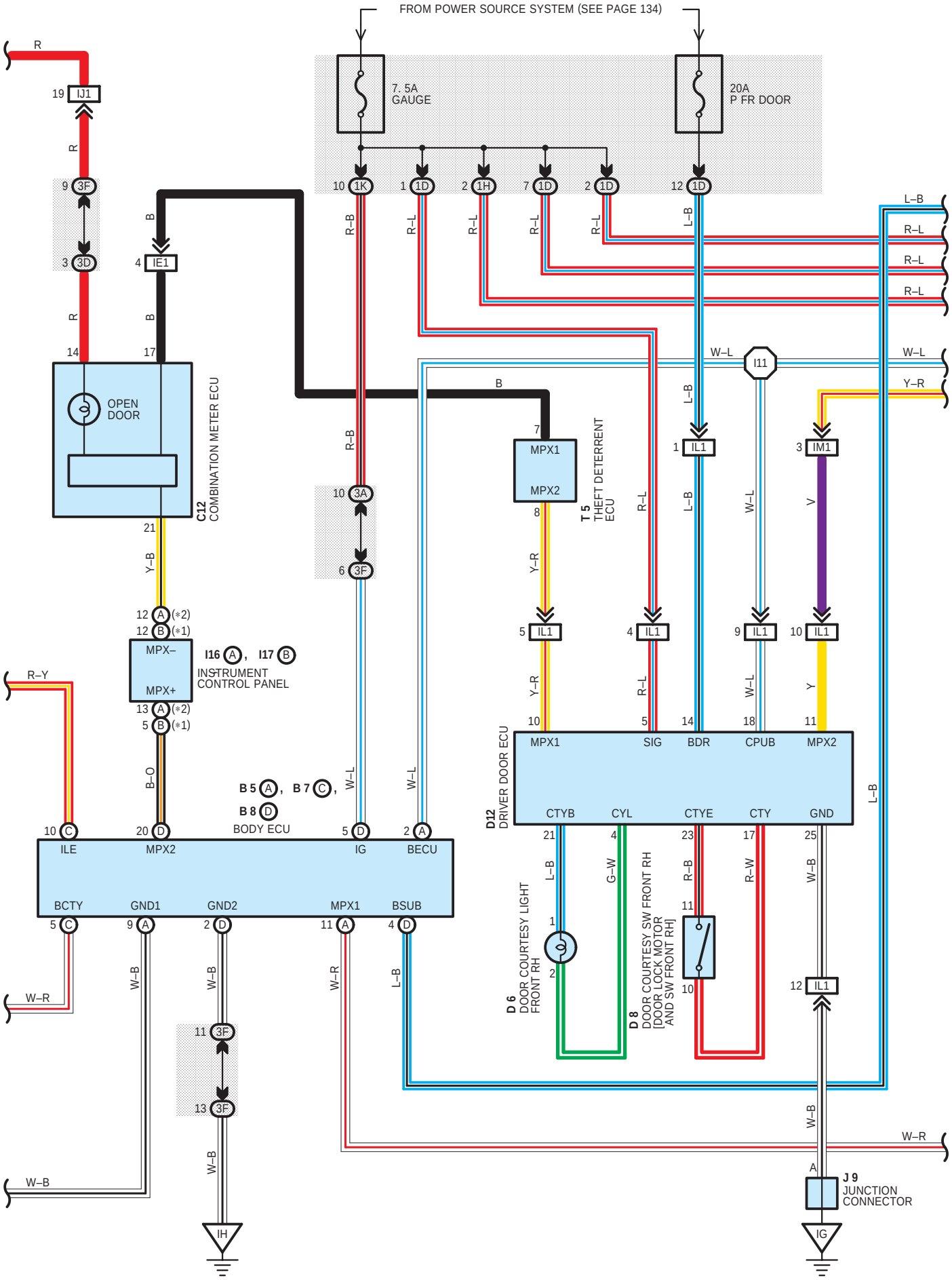
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	B4	112 (LHD)	Roof Wire
B1	112 (LHD)	Rear Door RH Wire	B10	112 (LHD)	Back Door No.1 Wire
B3	112 (LHD)	Roof Wire			

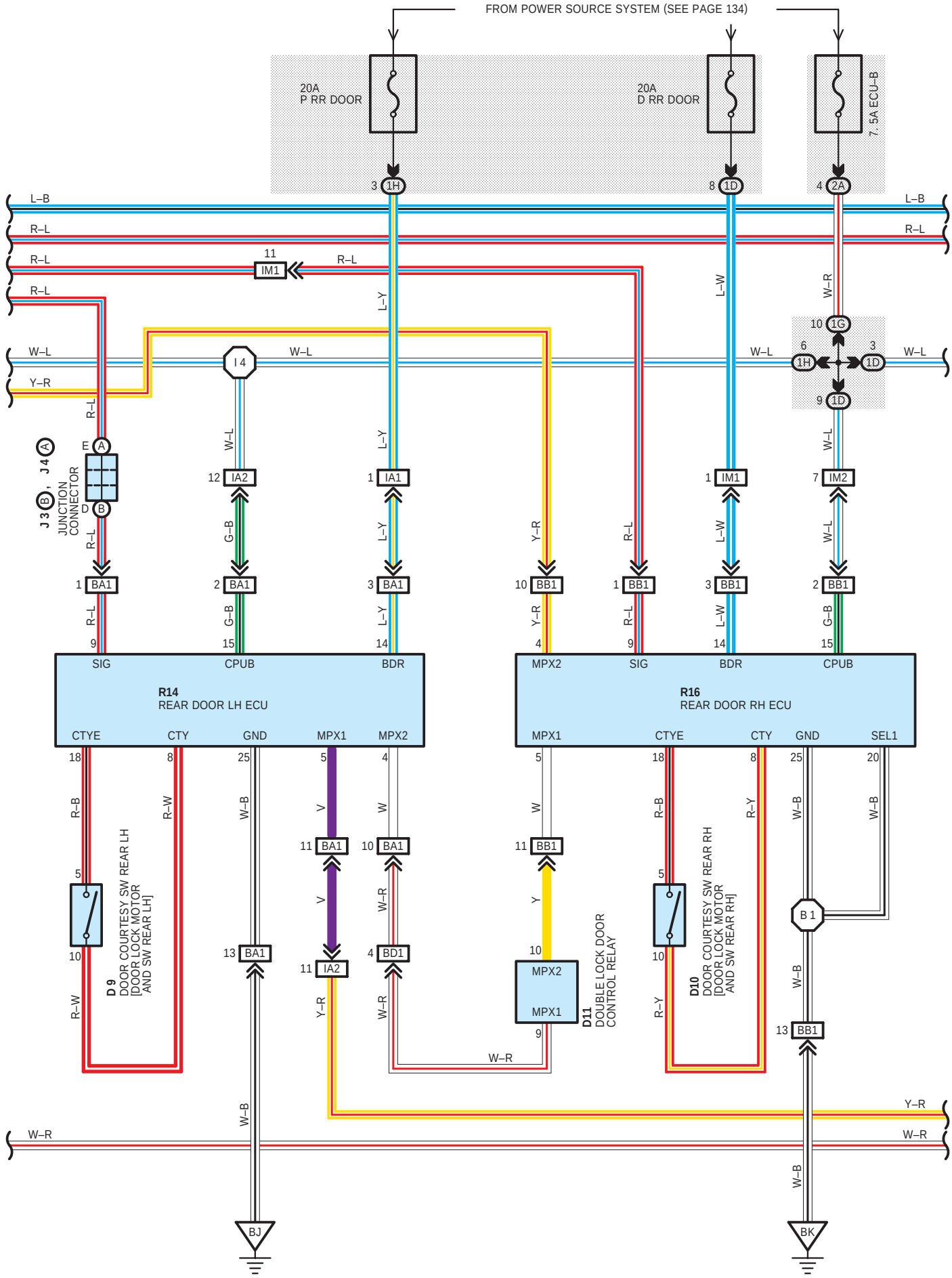
INTERIOR LIGHT (RHD)

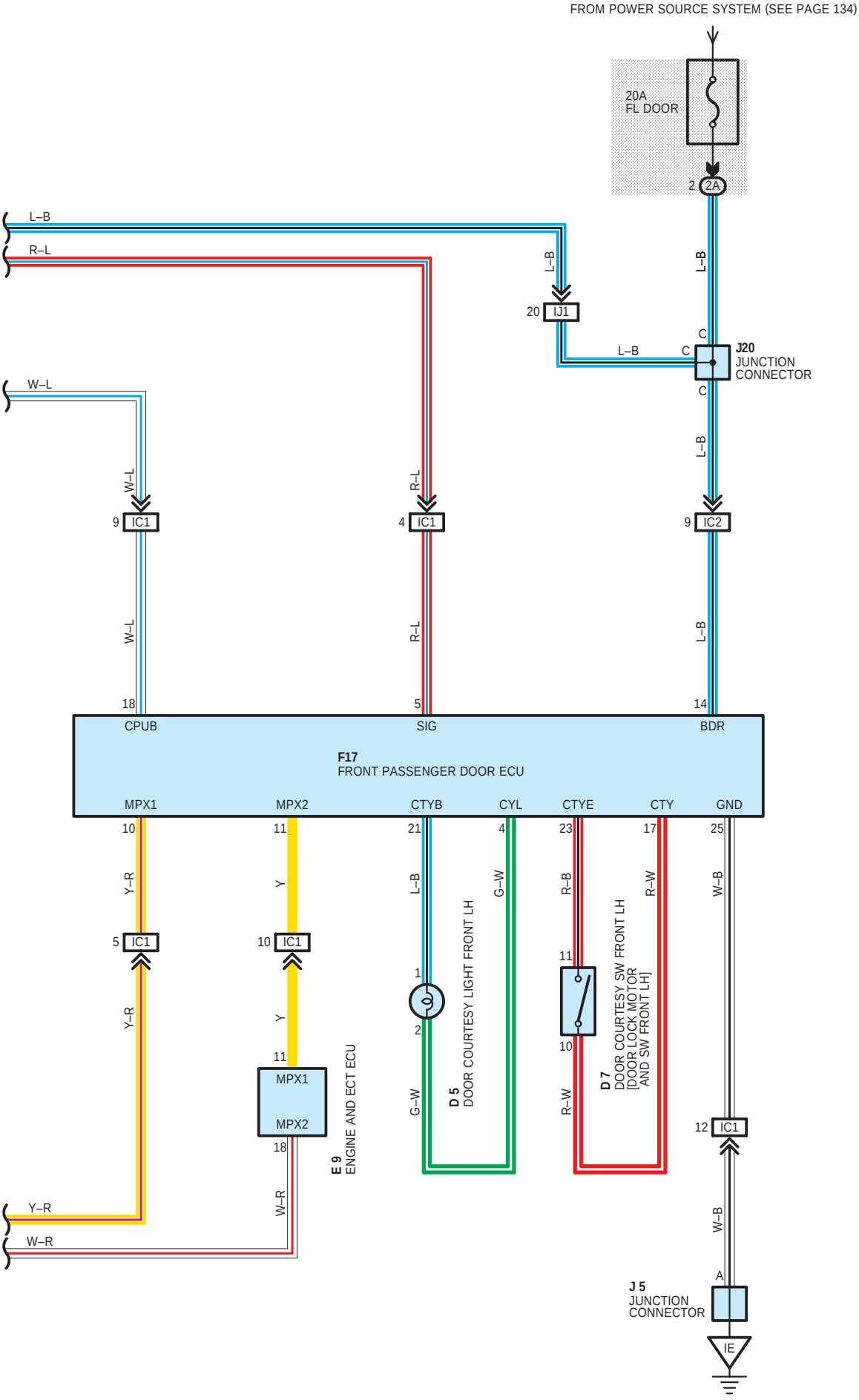
FROM POWER SOURCE SYSTEM (SEE PAGE 134)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A
GAUGE
20A
P FR DOOR
OPEN
DOOR
C12
COMBINATION METER ECU
MPX–
MPX+
I16 A , I17 B
INSTRUMENT
CONTROL PANEL
MPX1
MPX2
T 5
THEFT DETERRENT
ECU
I11
IL1
IM1
D12
DRIVER DOOR ECU
MPX1
SIG
BDR
CPUB
MPX2
CTYB
CYL
CTYE
CTY
GND
B 5 A , B 7 C ,
B 8 D
BODY ECU
ILE
MPX2
IG
BECU
BCTY
GND1
GND2
MPX1
BSUB
D 6
DOOR COURTESY LIGHT
FRONT RH
D 8
DOOR COURTESY SW FRONT RH
[DOOR LOCK MOTOR
AND SW FRONT RH]
J 9
JUNCTION
CONNECTOR
IH
IG

INTERIOR LIGHT (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2
2A
L–B
R–L
L–B
20
IJ1
L–B
C
C
J20
JUNCTION
CONNECTOR
C
L–B
W–L
W–L
9
IC1
R–L
4
IC1
9
IC2
W–L
R–L
L–B
18
5
14
CPUB
SIG
BDR
F17
FRONT PASSENGER DOOR ECU
MPX1
MPX2
CTYB
CYL
CTYE
CTY
GND
10
11
21
4
23
17
25
Y–R
Y
L–B
G–W
R–B
R–W
W–B
5
IC1
10
IC1
1
2
11
11
10
12
IC1
Y–R
Y
G–W
R–W
W–B
11
MPX1
MPX2
18
W–R
D 5
DOOR COURTESY LIGHT FRONT LH
D 7
DOOR COURTESY SW FRONT LH
[DOOR LOCK MOTOR
AND SW FRONT LH]
E 9
ENGINE AND ECT ECU
Y–R
W–R
A
J 5
JUNCTION
CONNECTOR
IE

INTERIOR LIGHT (RHD)

SYSTEM OUTLINE

ILLUMINATED ENTRY SYSTEM

This system provides various functions listed below through communication control of the body ECU and door ECU etc.

* Each relevant light lights up if any door is opened.
* If all the doors are closed with the ignition SW set at OFF after any door is opened, each light lights up for 15 sec., and then fades out when the time set on the timer has elapsed.
* If any door is unlocked from the driver or passenger side or if any door is unlocked with the unlock SW on the transmitter after all the doors are closed and locked, each light lights up for 15 sec., and then fades out when the time set on the timer has elapsed.
* If the ignition SW is turned to the ACC or ON position while each light is being lit by the timer, the timer lighting is cancelled and the light fades out.
* If all the doors are closed and locked from the driver or passenger side or with the lock SW on the transmitter while each light is being lit, the timer lighting is cancelled and the light fades out.
* If all the doors are closed with the ignition SW set at ACC or ON after any door is opened, the timer lighting is cancelled and the light fades out.
* Each light above is the front interior light, ignition key cylinder light.

SERVICE HINTS

D7, D8 DOOR COURTESY SW FRONT LH, RH

10–11 : Closed with the door open

D9, D10 DOOR COURTESY SW REAR LH, RH

1–5 : Closed with the door open

B9 BACK DOOR COURTESY SW

1–2 : Closed with the door open

D12 DRIVER DOOR ECU

17–23 : Continuity with the driver door open

F17 FRONT PASSENGER DOOR ECU

17–23 : Continuity with the front passenger door open

R14 REAR DOOR LH ECU

8–18 : Continuity with the rear LH door open

R16 REAR DOOR RH ECU

8–18 : Continuity with the rear RH door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	100 (RHD)	D10	102 (RHD)	J5	101 (RHD)
B7 C	100 (RHD)	D11	102 (RHD)	J9	101 (RHD)
B8 D	100 (RHD)	D12	102 (RHD)	J14	102 (RHD)
B9	102 (RHD)	E9	100 (RHD)	J20	101 (RHD)
C12	100 (RHD)	F16	102 (RHD)	P4	103 (RHD)
D4	102 (RHD)	F17	102 (RHD)	R14	103 (RHD)
D5	102 (RHD)	I14	101 (RHD)	R16	103 (RHD)
D6	102 (RHD)	I16 A	101 (RHD)	R20	103 (RHD)
D7	102 (RHD)	I17 B	101 (RHD)	T5	101 (RHD)
D8	102 (RHD)	J3 B	101 (RHD)	V8	103 (RHD)
D9	102 (RHD)	J4 A	101 (RHD)	V9	103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3F		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5C		
5E		
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
ID1	118 (RHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

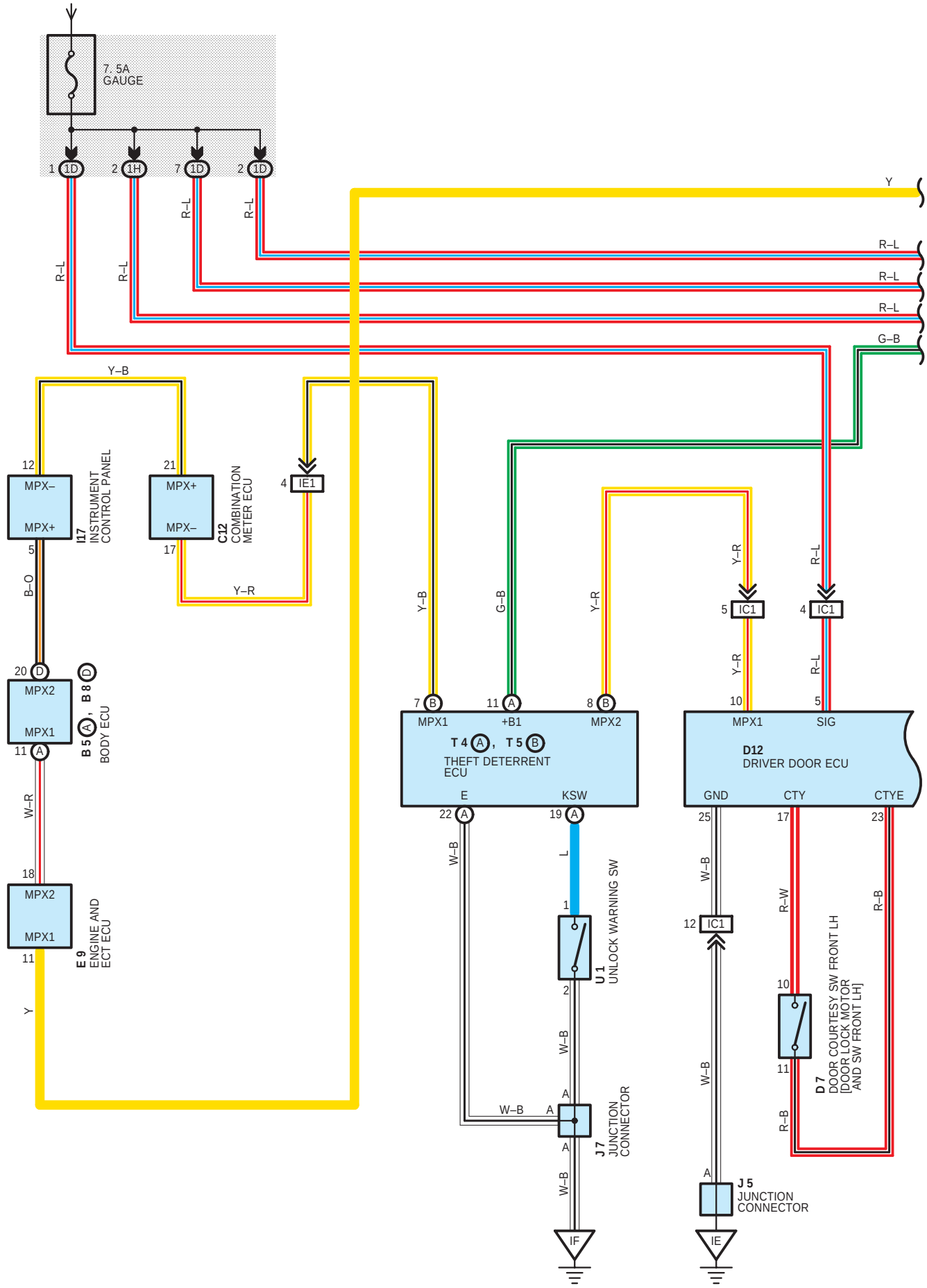
Code	See Page	Ground Points Location
IE	118 (RHD)	Cowl Side Panel LH
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BN	122 (RHD)	Back Panel Center

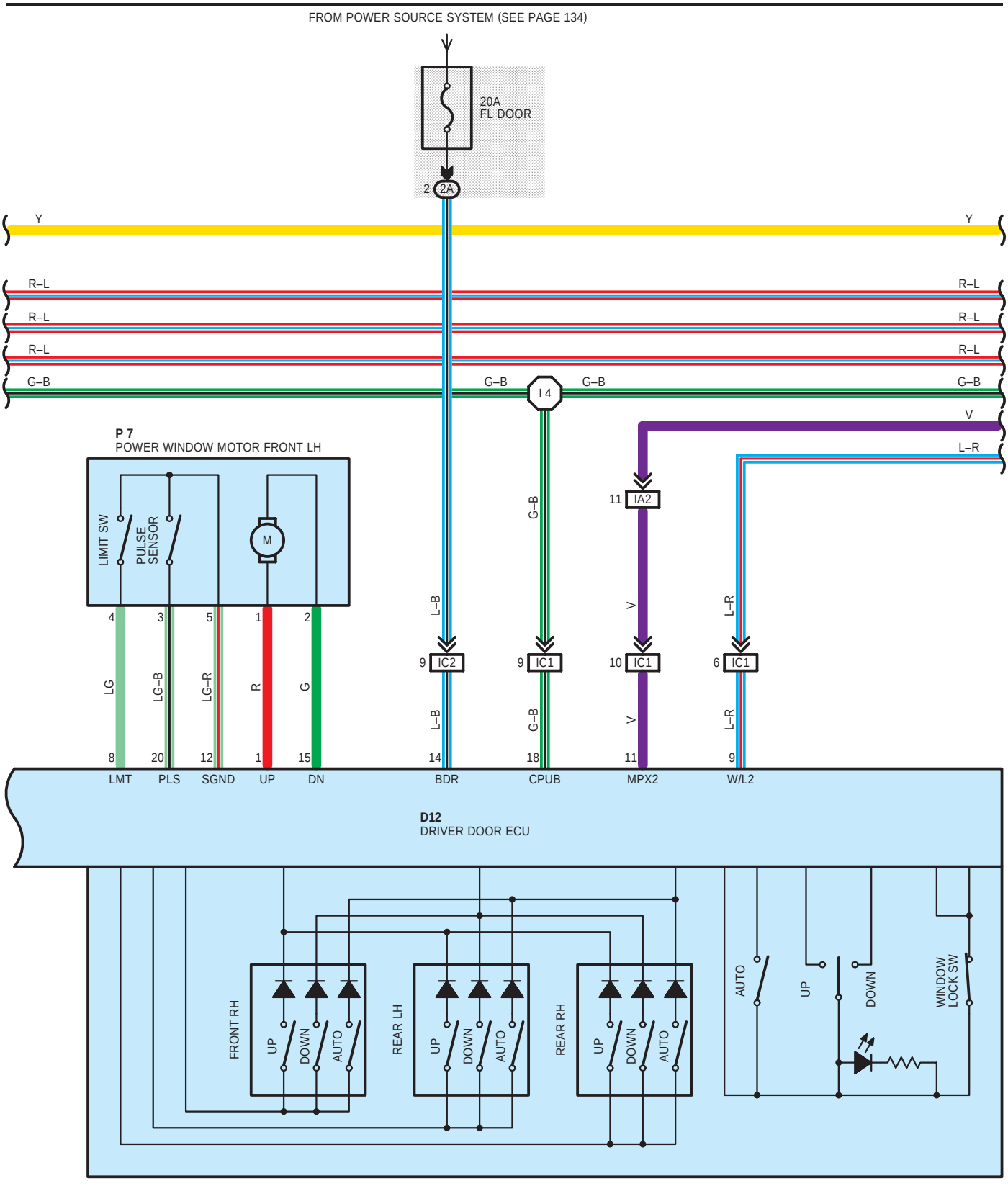
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	120 (RHD)	Cowl Wire	B3	122 (RHD)	Roof Wire
I11			B4		
B1	122 (RHD)	Rear Door RH Wire			

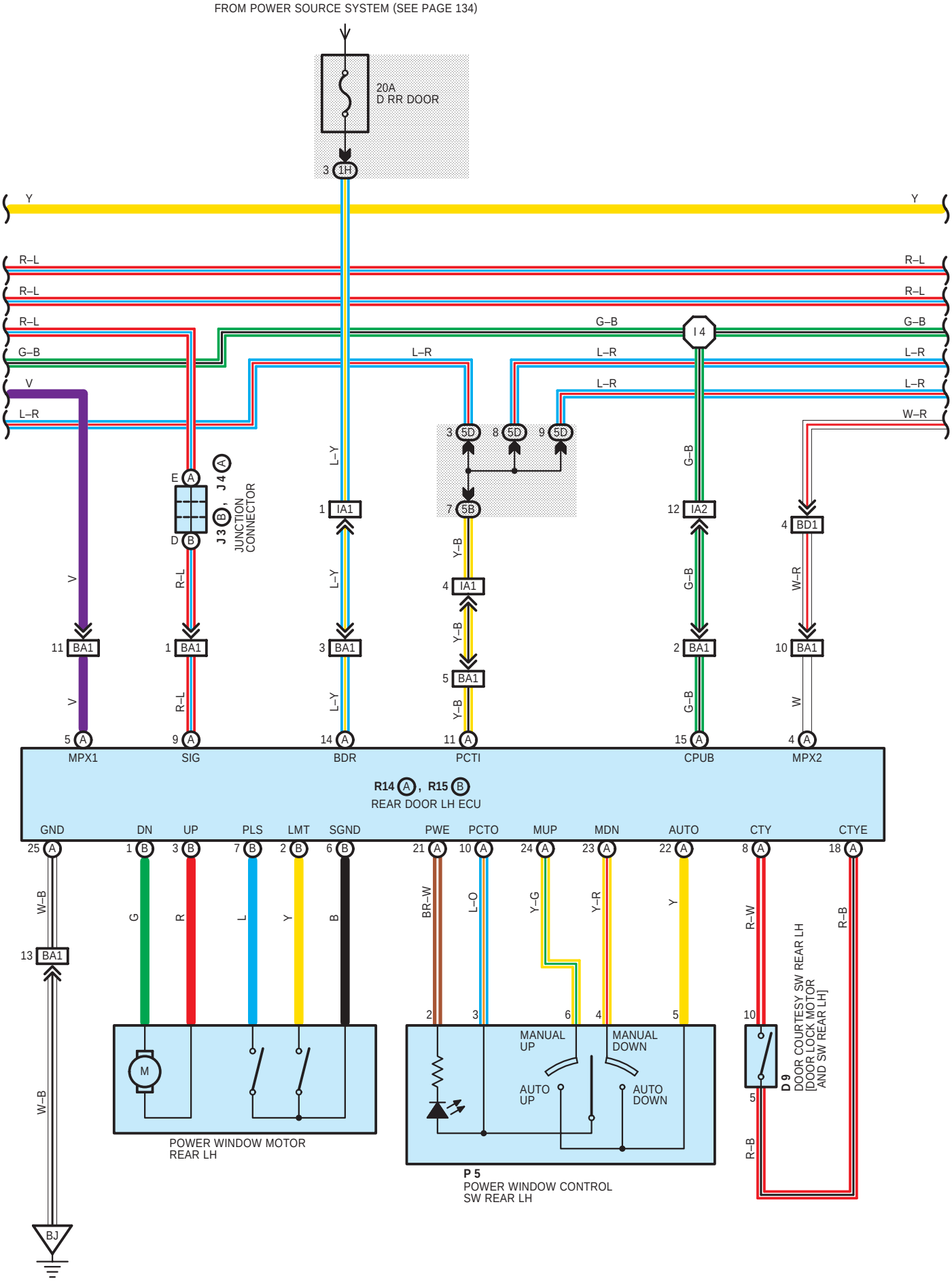
POWER WINDOW (LHD)

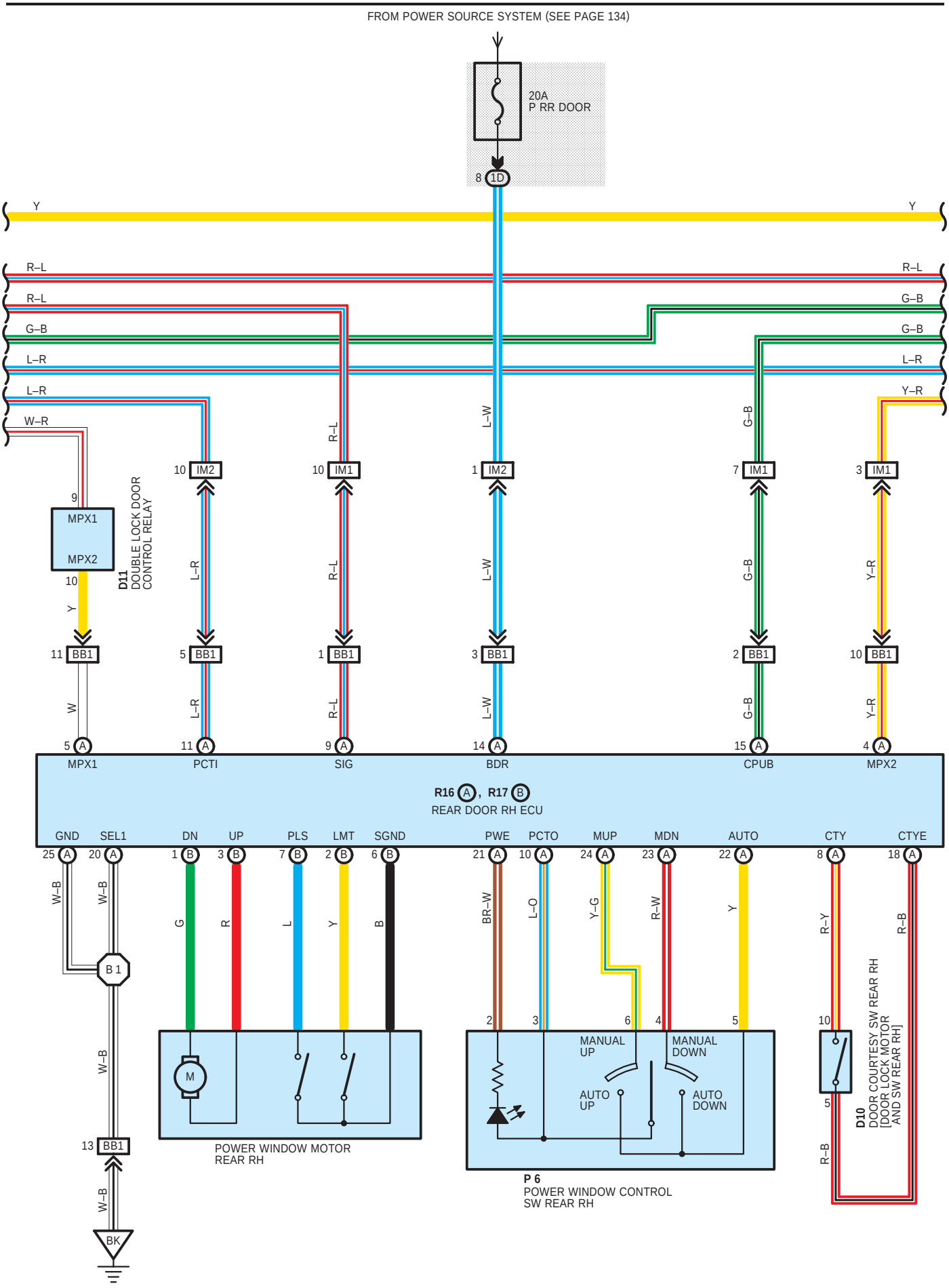
FROM POWER SOURCE SYSTEM (SEE PAGE 134)



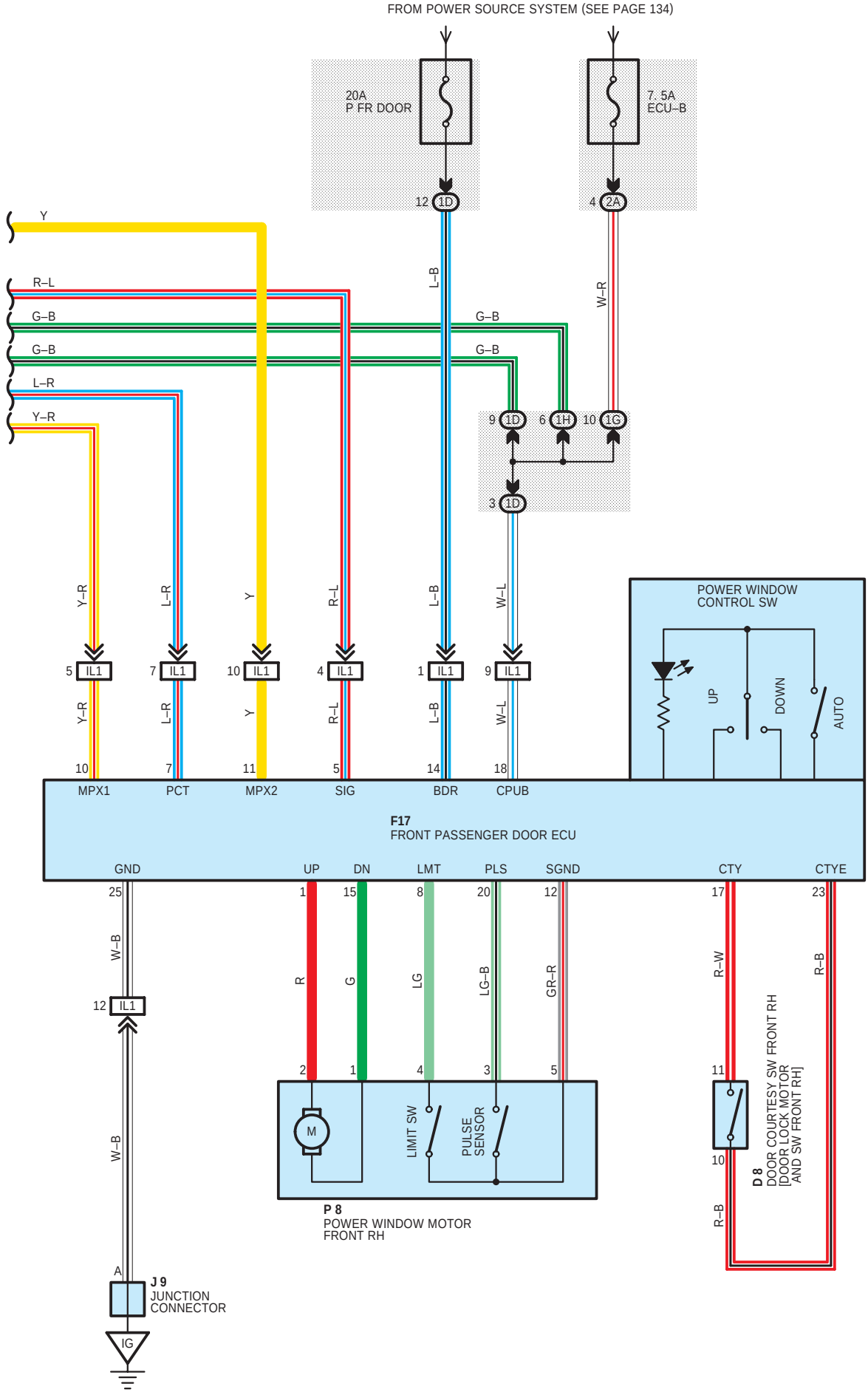

FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2
2A
Y
R–L
R–L
R–L
G–B
G–B
I 4
G–B
Y
R–L
R–L
R–L
G–B
V
L–R
P 7
POWER WINDOW MOTOR FRONT LH
LIMIT SW
PULSE SENSOR
M
4
3
5
1
2
LG
LG–B
LG–R
R
G
8
20
12
1
15
LMT
PLS
SGND
UP
DN
L–B
9
IC2
L–B
14
BDR
G–B
9
IC1
G–B
18
CPUB
11
IA2
V
10
IC1
V
11
MPX2
L–R
6
IC1
L–R
9
W/L2
D12
DRIVER DOOR ECU
FRONT RH
UP
DOWN
AUTO
REAR LH
UP
DOWN
AUTO
REAR RH
UP
DOWN
AUTO
AUTO
UP
DOWN
WINDOW LOCK SW

POWER WINDOW (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P RR DOOR
8 1D
Y
R–L
G–B
L–R
W–R
Y–R
L–W
G–B
9
MPX1
MPX2
10
D11
DOUBLE LOCK DOOR
CONTROL RELAY
10 IM2
10 IM1
1 IM2
7 IM1
3 IM1
11 BB1
5 BB1
1 BB1
3 BB1
2 BB1
10 BB1
W
5 A
MPX1
11 A
PCTI
9 A
SIG
14 A
BDR
15 A
CPUB
4 A
MPX2
R16 A, R17 B
REAR DOOR RH ECU
GND
SEL1
DN
UP
PLS
LMT
SGND
PWE
PCTO
MUP
MDN
AUTO
CTY
CTYE
25 A
20 A
1 B
3 B
7 B
2 B
6 B
21 A
10 A
24 A
23 A
22 A
8 A
18 A
W–B
G
R
L
Y
B
BR–W
L–O
Y–G
R–W
R–Y
R–B
B 1
M
POWER WINDOW MOTOR
REAR RH
2
3
6
4
5
MANUAL
UP
MANUAL
DOWN
AUTO
UP
AUTO
DOWN
P 6
POWER WINDOW CONTROL
SW REAR RH
10
5
D10
DOOR COURTESY SW REAR RH
[DOOR LOCK MOTOR
AND SW REAR RH]
13 BB1
BK

POWER WINDOW (LHD)



SYSTEM OUTLINE

1. MANUAL DOWN OR UP OPERATION

When the power window master SW (Driver's) in the driver door ECU is pressed one step, the current flows from TERMINAL DN of the driver door ECU to TERMINAL 2 of the power window motor front LH to TERMINAL 1 to TERMINAL UP of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to open the window.

When the power window master SW (Driver's) in the driver door ECU is pulled one step, the current flows from TERMINAL UP of the driver door ECU to TERMINAL 1 of the power window motor front LH to TERMINAL 2 to TERMINAL DN of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to the opposite direction and closes the window.

For the other windows, as the power window master SW and power window SW is operated, the relevant door window is opened or closed.

2. AUTO DOWN OR UP OPERATION

When the power window master SW (Driver's) in the driver door ECU is pushed two steps, the ECU determines it is in auto mode and the current flows from TERMINAL DN of the driver door ECU to TERMINAL 2 of the power window motor front LH to TERMINAL 1 to TERMINAL UP of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to open the window automatically.

Accordingly, when each window switch of the front power window master SW is pressed, the relevant door window is automatically opened through communication control of the body ECU and door ECU

When the power window master SW (Driver's) in the driver door ECU is pulled two steps, the ECU determines it is in auto mode and the current flows from TERMINAL UP of the driver door ECU to TERMINAL 1 of the power window motor front LH to TERMINAL 2 to TERMINAL DN of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to close the window automatically.

Accordingly, when each window switch of the front power window master SW is pulled, the relevant door window is automatically closed through communication control of the body ECU and door ECU. Furthermore, and the power window control SW of each door is operated, the window will open/close automatically.

3. POWER WINDOW OPERATION LINKED WITH DOOR KEY LOCK AND UNLOCK SW

When the ignition key is inserted into the door key cylinder on the driver side, and is kept turned to LOCK or UNLOCK position for approximately 2.5 seconds or longer, all the door windows can be opened or closed.

* Power window close operation
  When the ignition key is inserted into the door key cylinder and is kept turned to the LOCK position for 2.5 seconds or longer, the signal from the door key lock and unlock SW is input to the driver door ECU TERMINAL KL. Through communication control of the body ECU and door ECU, the current flows from TERMINAL UP of each door ECU to power window motor to TERMINAL DN of each door ECU to TERMINAL GND to GROUND, to close all the door windows.
* Power window open operation
  When the ignition key is inserted into the door key cylinder and is kept turned to the UNLOCK position for 2.5 seconds or longer, the signal from the door key lock and unlock SW is input to to the driver door ECU TERMINAL KUL. Through communication control of the body ECU and door ECU, the current flows from TERMINAL DN of each door ECU to power window motor to TERMINAL UP of each door ECU to TERMINAL GND to GROUND, to open all the door windows.

4. CATCHING PREVENTION FUNCTION

If any foreign matter is caught in the window while it is rising, the pulse sensor installed in the power window motor detects changes in the number of motor rotations, forcibly lowers the door window 50 mm or if the door window opening amount is 200 mm or less, the window is lowered so that the opening amount is 200 mm.

5. KEY OFF MOON ROOF OPERATION

Within approximately 45 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 45 sec. have not elapsed.

POWER WINDOW (LHD)

SERVICE HINTS

B5 (A), B8 (D) BODY ECU

(A) 8, (D) 5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(D) 4–GROUND : Always approx. **12** volts
(A) 2–GROUND : Always approx. **12** volts
(D) 2–GROUND : Always continuity
(A) 9–GROUND : Always continuity

D12 DRIVER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

F17 FRONT PASSENGER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R14 (A) REAR DOOR LH ECU

9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
15–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R16 (A) REAR DOOR RH ECU

9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
15–GROUND : Always approx. **12** volts
20–GROUND : Always continuity
25–GROUND : Always continuity

P5, P6 POWER WINDOW CONTROL SW REAR LH, RH

3–6 : Closed with the power window SW at MANUAL UP operation
3–4 : Closed with the power window SW at MANUAL DOWN operation
3–6, 5 : Closed with the power window SW at AUTO UP operation
3–4, 5 : Closed with the power window SW at AUTO DOWN operation

WINDOW LOCK SW

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	F17	94 (LHD)	P8	95 (LHD)
B8 D	92 (LHD)	I17	93 (LHD)	R14 A	95 (LHD)
C12	92 (LHD)	J3 B	93 (LHD)	R15 B	95 (LHD)
D7	94 (LHD)	J4 A	93 (LHD)	R16 A	95 (LHD)
D8	94 (LHD)	J5	93 (LHD)	R17 B	95 (LHD)
D9	94 (LHD)	J7	93 (LHD)	T4 A	93 (LHD)
D10	94 (LHD)	J9	93 (LHD)	T5 B	93 (LHD)
D11	94 (LHD)	P5	95 (LHD)	U1	93 (LHD)
D12	94 (LHD)	P6	95 (LHD)		
E9	92 (LHD)	P7	95 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

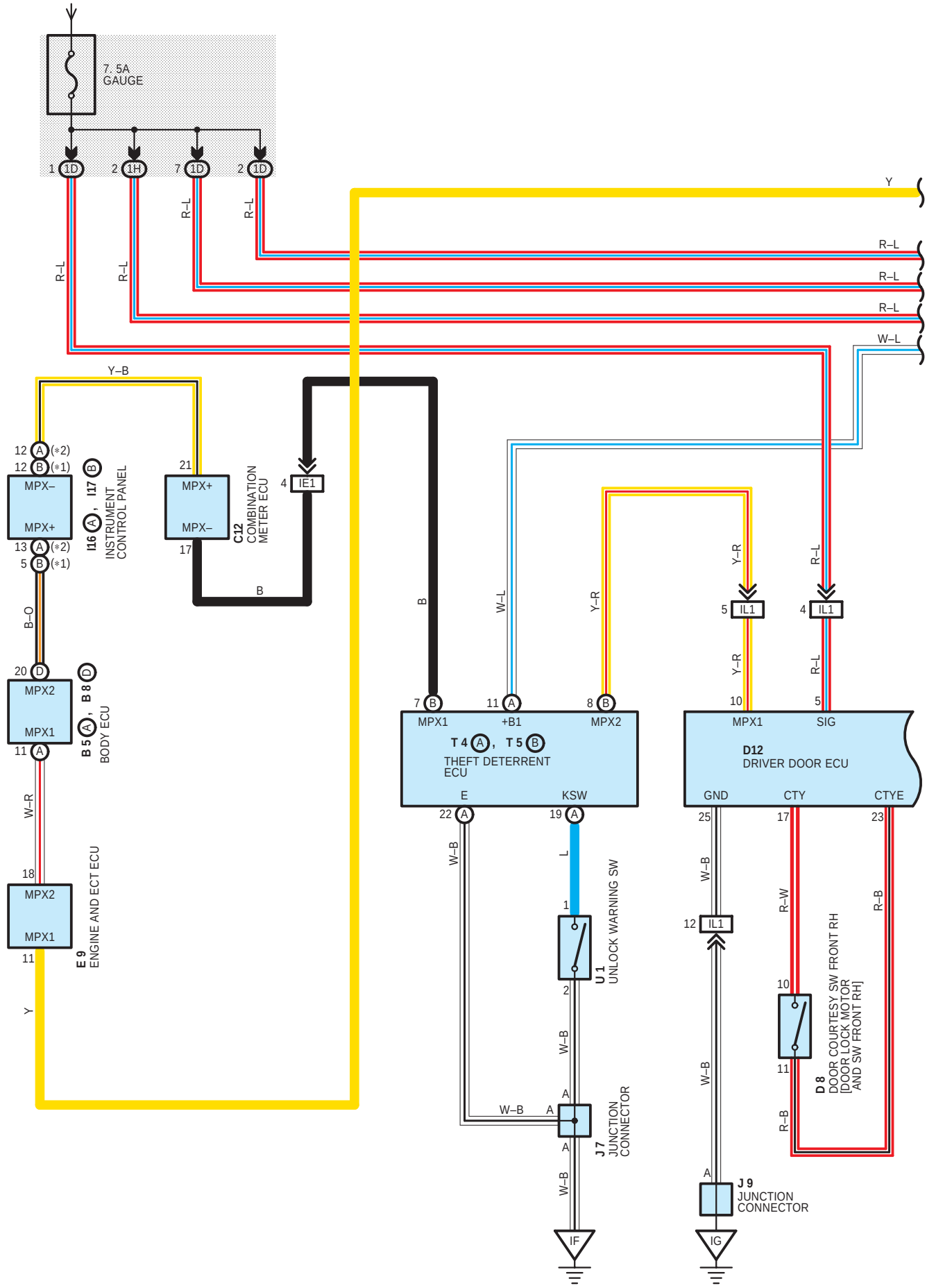
Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar

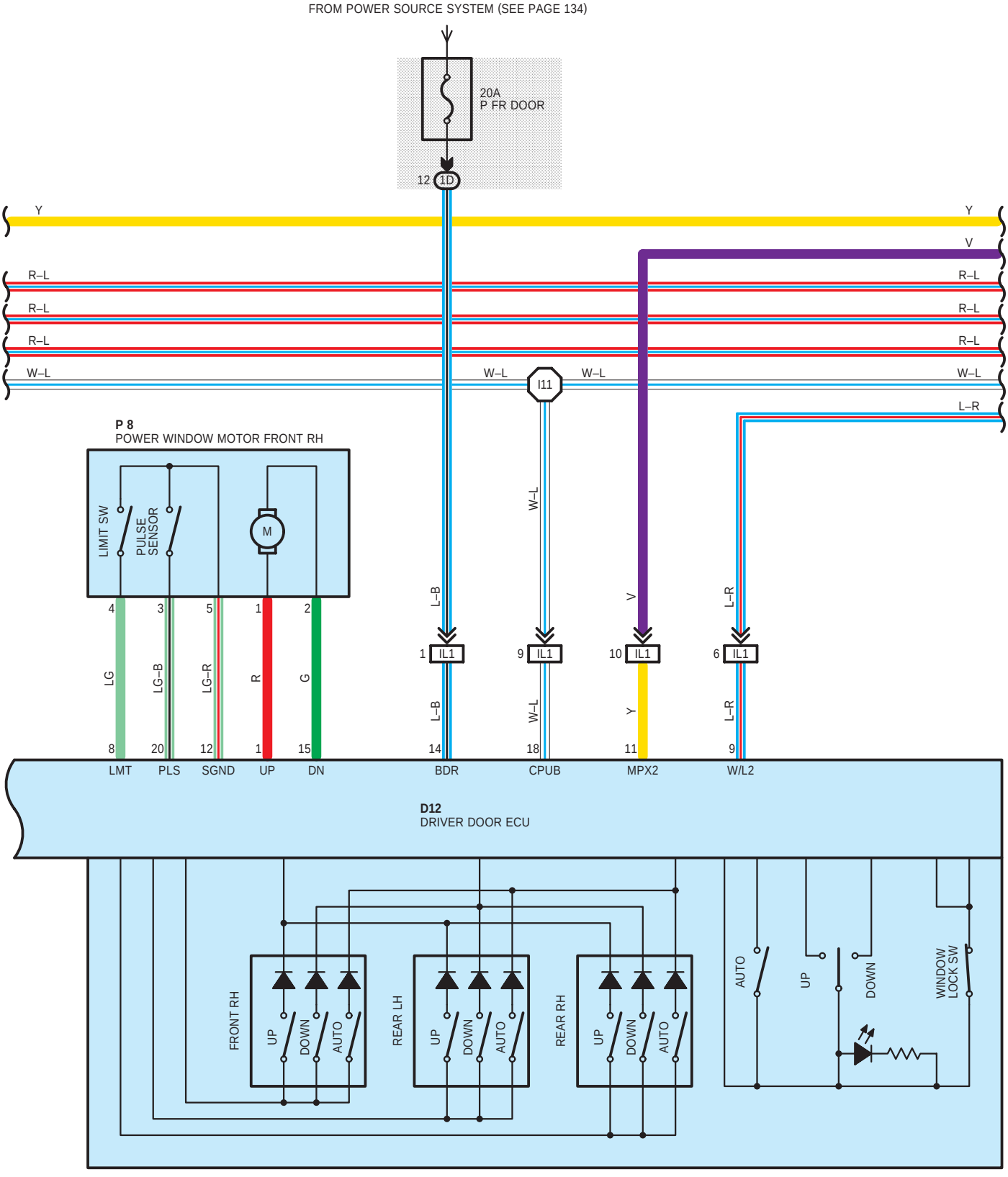
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	B1	112 (LHD)	Rear Door RH Wire

POWER WINDOW (RHD)

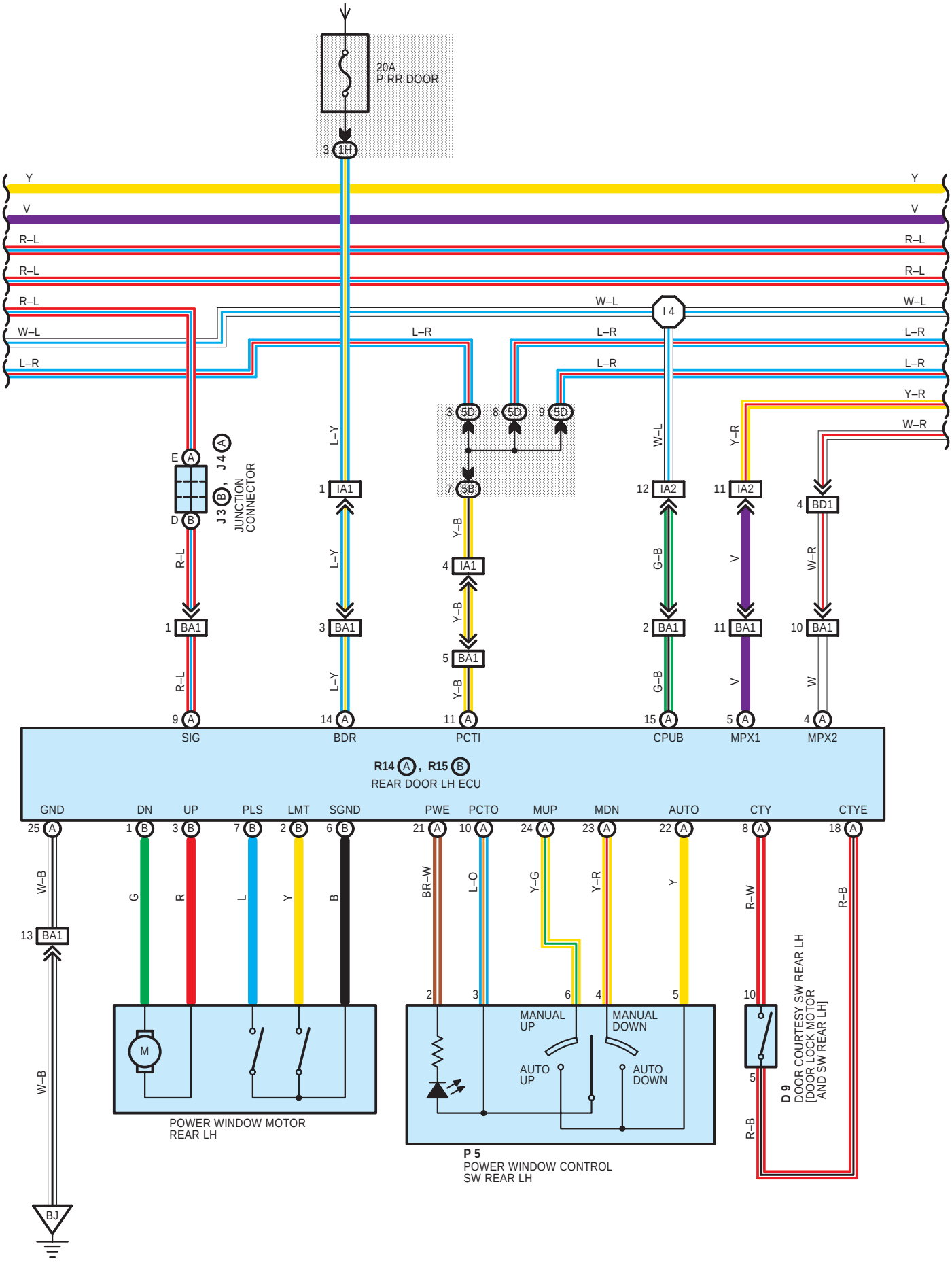
FROM POWER SOURCE SYSTEM (SEE PAGE 134)

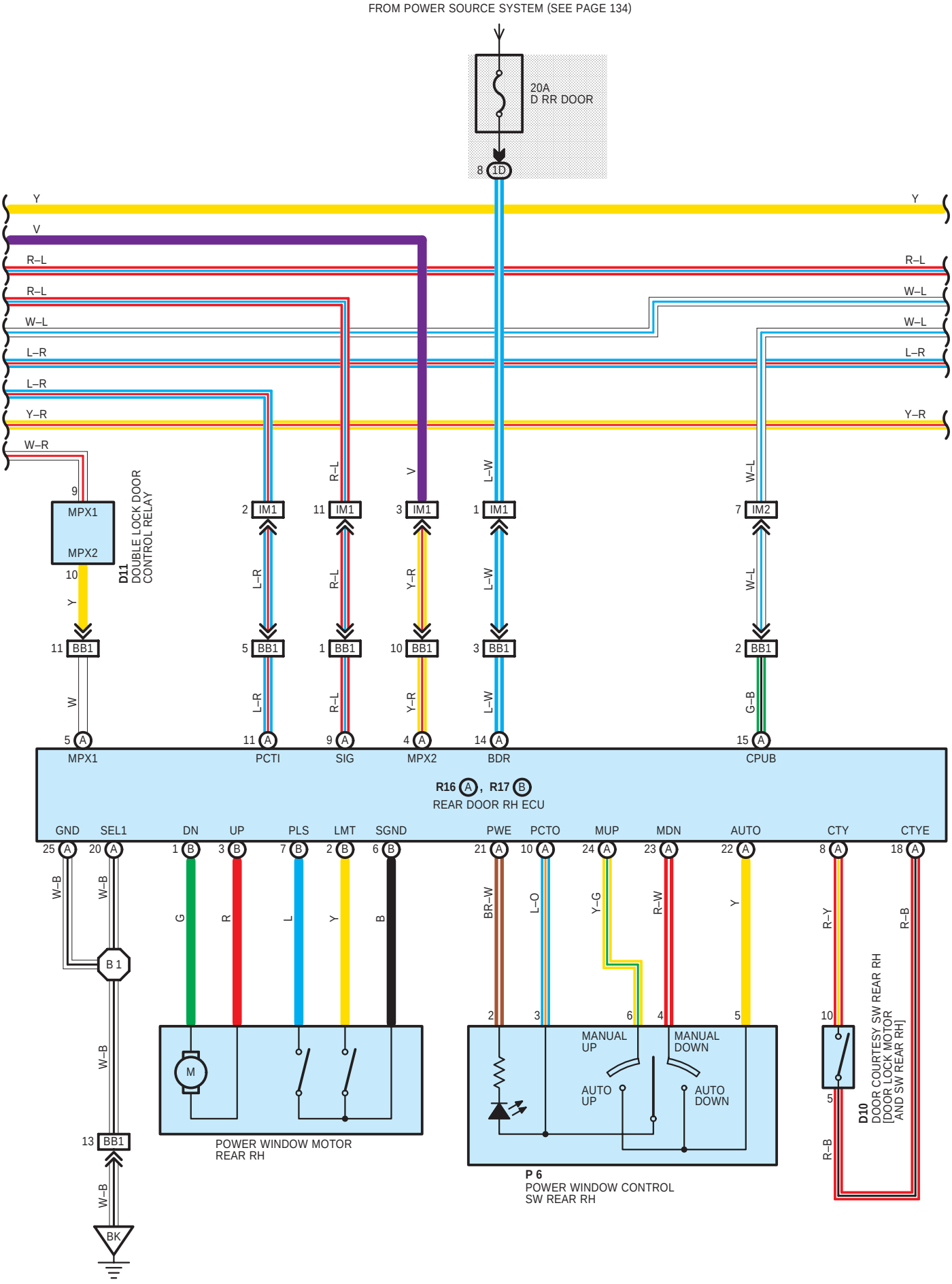



FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
12 1D
Y
Y
V
R–L
R–L
R–L
R–L
R–L
R–L
W–L
W–L
W–L
W–L
I11
L–R
P 8
POWER WINDOW MOTOR FRONT RH
LIMIT SW
PULSE SENSOR
M
4
3
5
1
2
LG
LG–B
LG–R
R
G
8
20
12
1
15
L–B
W–L
V
L–R
1 IL1
9 IL1
10 IL1
6 IL1
L–B
W–L
Y
L–R
14
18
11
9
LMT
PLS
SGND
UP
DN
BDR
CPUB
MPX2
W/L2
D12
DRIVER DOOR ECU
FRONT RH
UP
DOWN
AUTO
REAR LH
UP
DOWN
AUTO
REAR RH
UP
DOWN
AUTO
AUTO
UP
DOWN
WINDOW LOCK SW

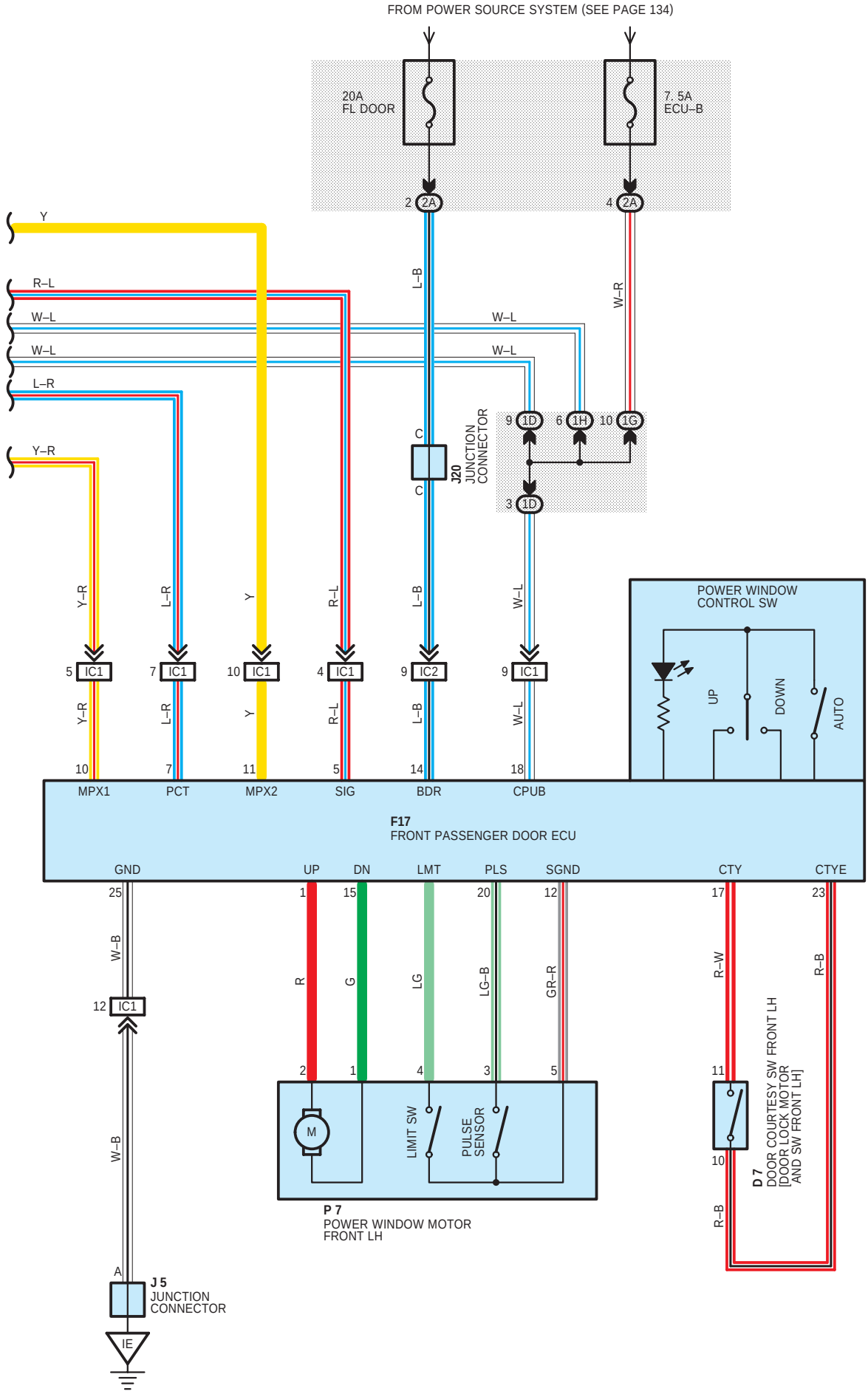
POWER WINDOW (RHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 134)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
D RR DOOR
8 1D
Y
V
R–L
R–L
W–L
L–R
Y–R
W–R
9
MPX1
MPX2
10
D11
DOUBLE LOCK DOOR
CONTROL RELAY
2 IM1
11 IM1
3 IM1
1 IM1
7 IM2
11 BB1
5 BB1
1 BB1
10 BB1
3 BB1
2 BB1
5 A
11 A
9 A
4 A
14 A
15 A
MPX1
PCTI
SIG
MPX2
BDR
CPUB
R16 A, R17 B
REAR DOOR RH ECU
GND
SEL1
DN
UP
PLS
LMT
SGND
PWE
PCTO
MUP
MDN
AUTO
CTY
CTYE
25 A
20 A
1 B
3 B
7 B
2 B
6 B
21 A
10 A
24 A
23 A
22 A
8 A
18 A
W–B
G
R
L
Y
B
BR–W
L–O
Y–G
R–W
R–Y
R–B
B 1
M
POWER WINDOW MOTOR
REAR RH
2
3
6
4
5
MANUAL
UP
MANUAL
DOWN
AUTO
UP
AUTO
DOWN
P 6
POWER WINDOW CONTROL
SW REAR RH
10
5
D10
DOOR COURTESY SW REAR RH
[DOOR LOCK MOTOR
AND SW REAR RH]
13 BB1
BK

POWER WINDOW (RHD)



SYSTEM OUTLINE

1. MANUAL DOWN OR UP OPERATION

When the power window master SW (Driver's) in the driver door ECU is pressed one step, the current flows from TERMINAL DN of the driver door ECU to TERMINAL 2 of the power window motor front RH to TERMINAL 1 to TERMINAL UP of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to open the window.

When the power window master SW (Driver's) in the driver door ECU is pulled one step, the current flows from TERMINAL UP of the driver door ECU to TERMINAL 1 of the power window motor front RH to TERMINAL 2 to TERMINAL DN of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to the opposite direction and closes the window.

For the other windows, as the power window master SW and power window SW is operated, the relevant door window is opened or closed.

2. AUTO DOWN OR UP OPERATION

When the power window master SW (Driver's) in the driver door ECU is pushed two steps, the ECU determines it is in auto mode and the current flows from TERMINAL DN of the driver door ECU to TERMINAL 2 of the power window motor front RH to TERMINAL 1 to TERMINAL UP of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to open the window automatically.

Accordingly, when each window switch of the front power window master SW is pressed, the relevant door window is automatically opened through communication control of the body ECU and door ECU

When the power window master SW (Driver's) in the driver door ECU is pulled two steps, the ECU determines it is in auto mode and the current flows from TERMINAL UP of the driver door ECU to TERMINAL 1 of the power window motor front RH to TERMINAL 2 to TERMINAL DN of the driver door ECU to TERMINAL GND to GROUND, and rotates the motor to close the window automatically.

Accordingly, when each window switch of the power window master SW is pulled, the relevant door window is automatically closed through communication control of the body ECU and door ECU. Furthermore, and the power window control SW of each door is operated, the window will open/close automatically.

3. POWER WINDOW OPERATION LINKED WITH DOOR KEY LOCK AND UNLOCK SW

When the ignition key is inserted into the door key cylinder on the driver side, and is kept turned to LOCK or UNLOCK position for approximately 2.5 seconds or longer, all the door windows can be opened or closed.

* Power window close operation
  When the ignition key is inserted into the door key cylinder and is kept turned to the LOCK position for 2.5 seconds or longer, the signal from the door key lock and unlock SW is input to the driver door ECU TERMINAL KL. Through communication control of the body ECU and door ECU, the current flows from TERMINAL UP of each door ECU to power window motor to TERMINAL DN of each door ECU to TERMINAL GND to GROUND, to close all the door windows.
* Power window open operation
  When the ignition key is inserted into the door key cylinder and is kept turned to the UNLOCK position for 2.5 seconds or longer, the signal from the door key lock and unlock SW is input to to the driver door ECU TERMINAL KUL. Through communication control of the body ECU and door ECU, the current flows from TERMINAL DN of each door ECU to power window motor to TERMINAL UP of each door ECU to TERMINAL GND to GROUND, to open all the door windows.

4. CATCHING PREVENTION FUNCTION

If any foreign matter is caught in the window while it is rising, the pulse sensor installed in the power window motor detects changes in the number of motor rotations, forcibly lowers the door window 50 mm or if the door window opening amount is 200 mm or less, the window is lowered so that the opening amount is 200 mm.

5. KEY OFF MOON ROOF OPERATION

Within approximately 45 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 45 sec. have not elapsed.

POWER WINDOW (RHD)

SERVICE HINTS

B5 (A), B8 (D) BODY ECU

(A) 8, (D) 5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(D) 4–GROUND : Always approx. **12** volts
(A) 2–GROUND : Always approx. **12** volts
(D) 2–GROUND : Always continuity
(A) 9–GROUND : Always continuity

D12 DRIVER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

F17 FRONT PASSENGER DOOR ECU

5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
18–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R14 (A) REAR DOOR LH ECU

9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
15–GROUND : Always approx. **12** volts
25–GROUND : Always continuity

R16 (A) REAR DOOR RH ECU

9–GROUND : Approx. **12** volts with the ignition SW at **ON** position
14–GROUND : Always approx. **12** volts
15–GROUND : Always approx. **12** volts
20–GROUND : Always continuity
25–GROUND : Always continuity

P5, P6 POWER WINDOW CONTROL SW REAR LH, RH

3–6 : Closed with the power window SW at MANUAL UP operation
3–4 : Closed with the power window SW at MANUAL DOWN operation
3–6, 5 : Closed with the power window SW at AUTO UP operation
3–4, 5 : Closed with the power window SW at AUTO DOWN operation

WINDOW LOCK SW

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

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	100 (RHD)	F17	102 (RHD)	P6	103 (RHD)
B8 D	100 (RHD)	I16 A	101 (RHD)	P7	103 (RHD)
C12	100 (RHD)	I17 B	101 (RHD)	P8	103 (RHD)
D7	102 (RHD)	J3 B	101 (RHD)	R14 A	103 (RHD)
D8	102 (RHD)	J4 A	101 (RHD)	R15 B	103 (RHD)
D9	102 (RHD)	J5	101 (RHD)	R16 A	103 (RHD)
D10	102 (RHD)	J7	101 (RHD)	R17 B	103 (RHD)
D11	102 (RHD)	J9	101 (RHD)	T4 A	101 (RHD)
D12	102 (RHD)	J20	101 (RHD)	T5 B	101 (RHD)
E9	100 (RHD)	P5	103 (RHD)	U1	101 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

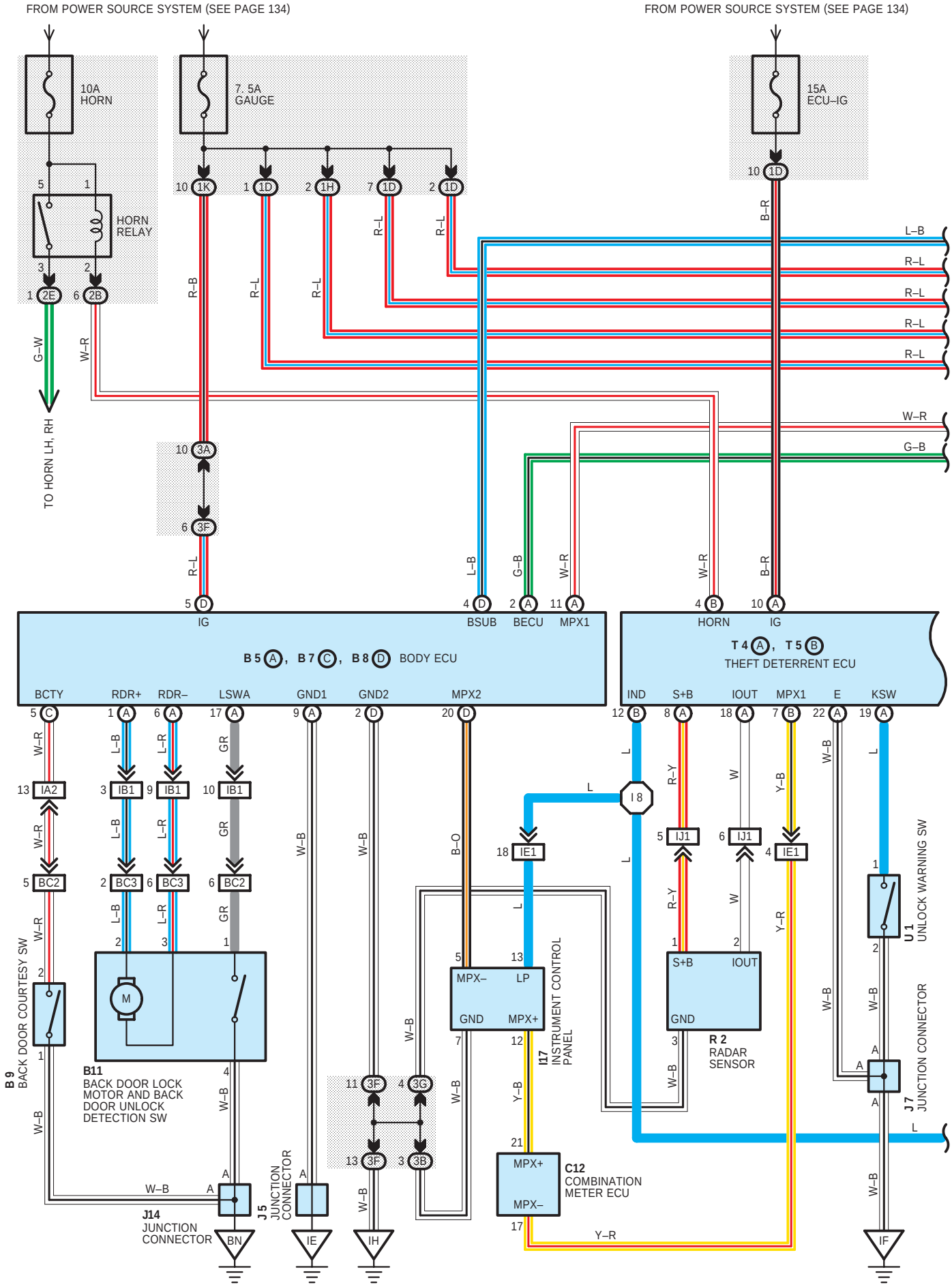
: GROUND POINTS

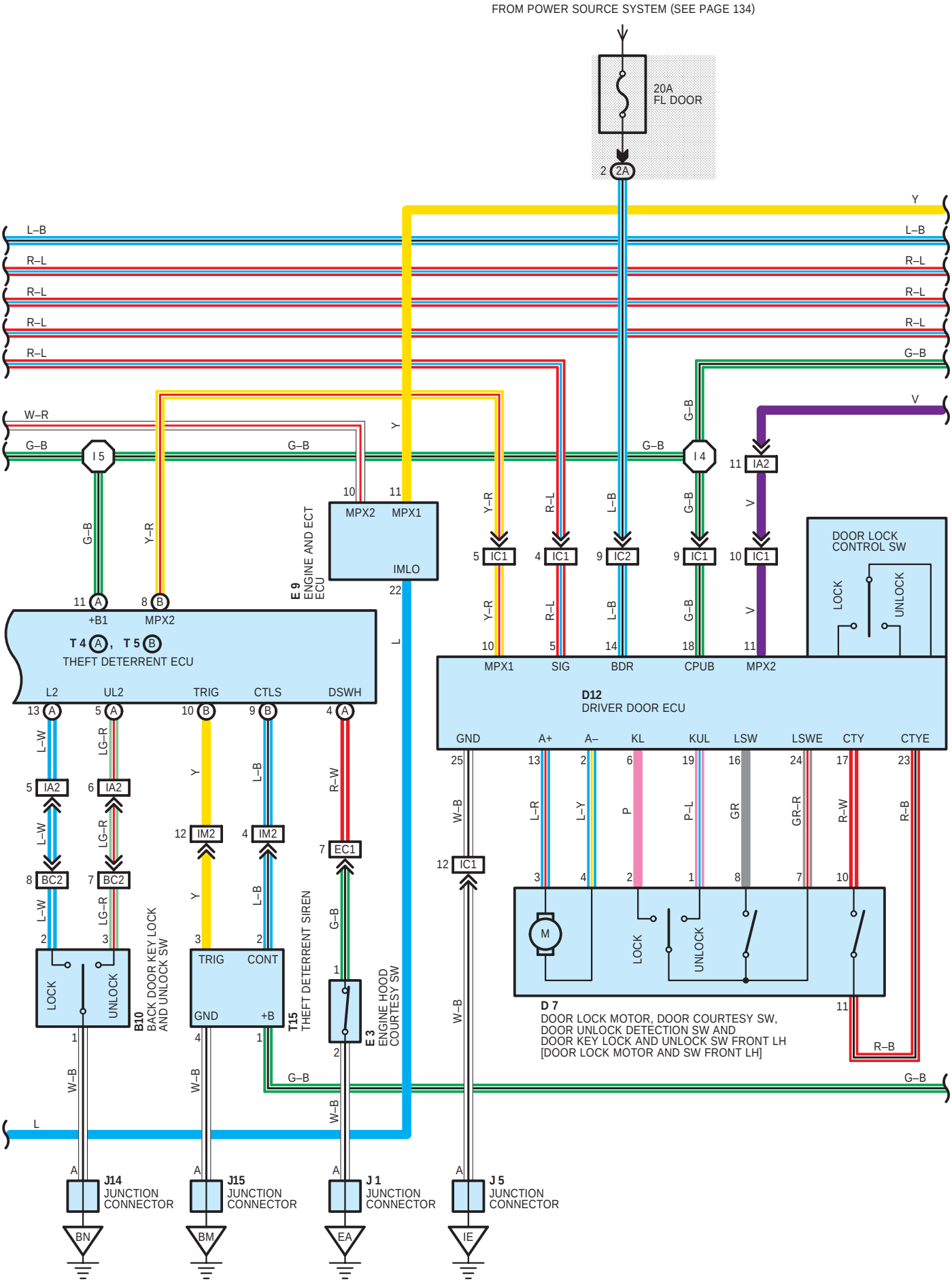
Code	See Page	Ground Points Location
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar

: SPLICE POINTS

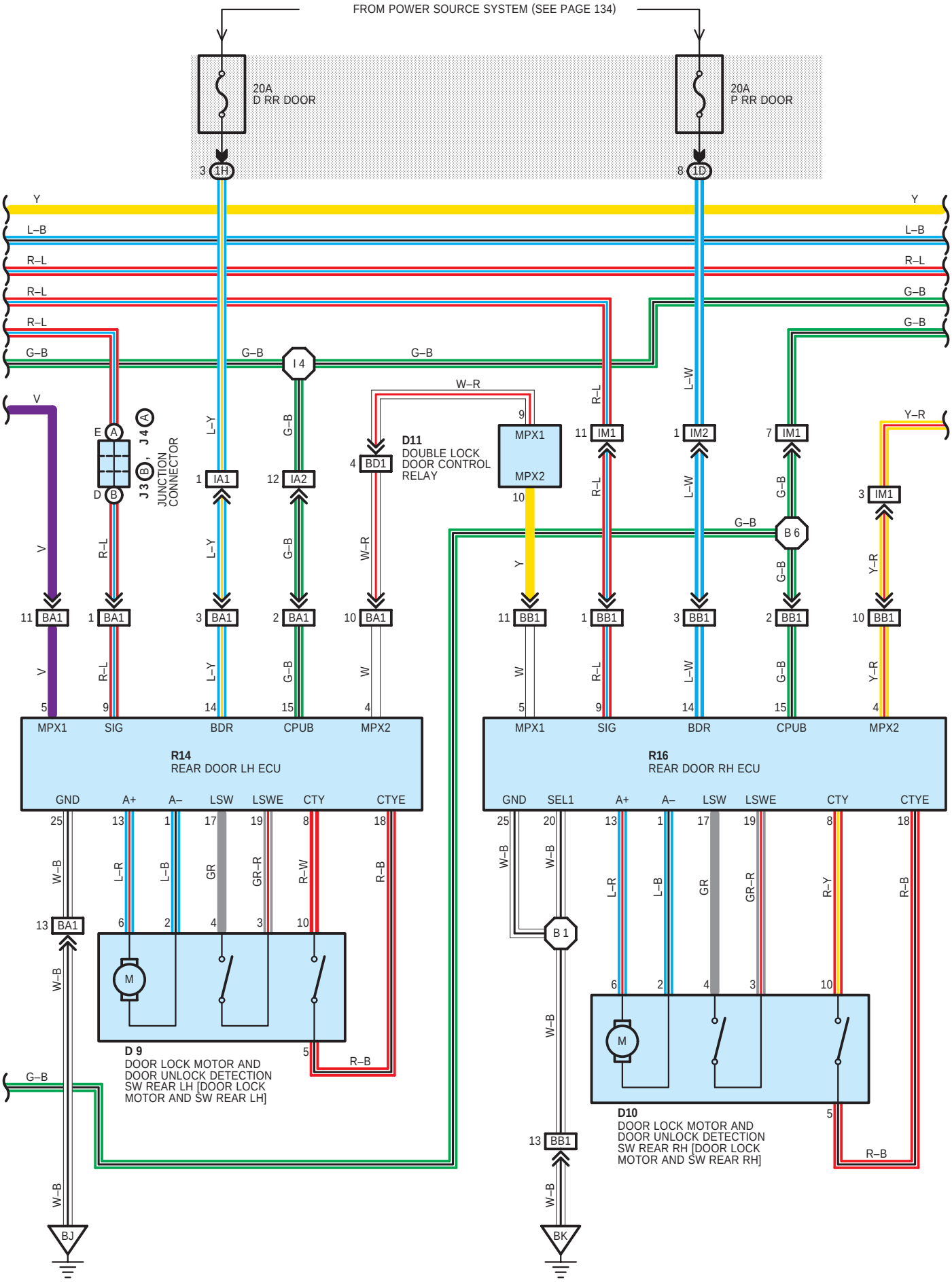
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	120 (RHD)	Cowl Wire	B1	122 (RHD)	Rear Door RH Wire
I11					

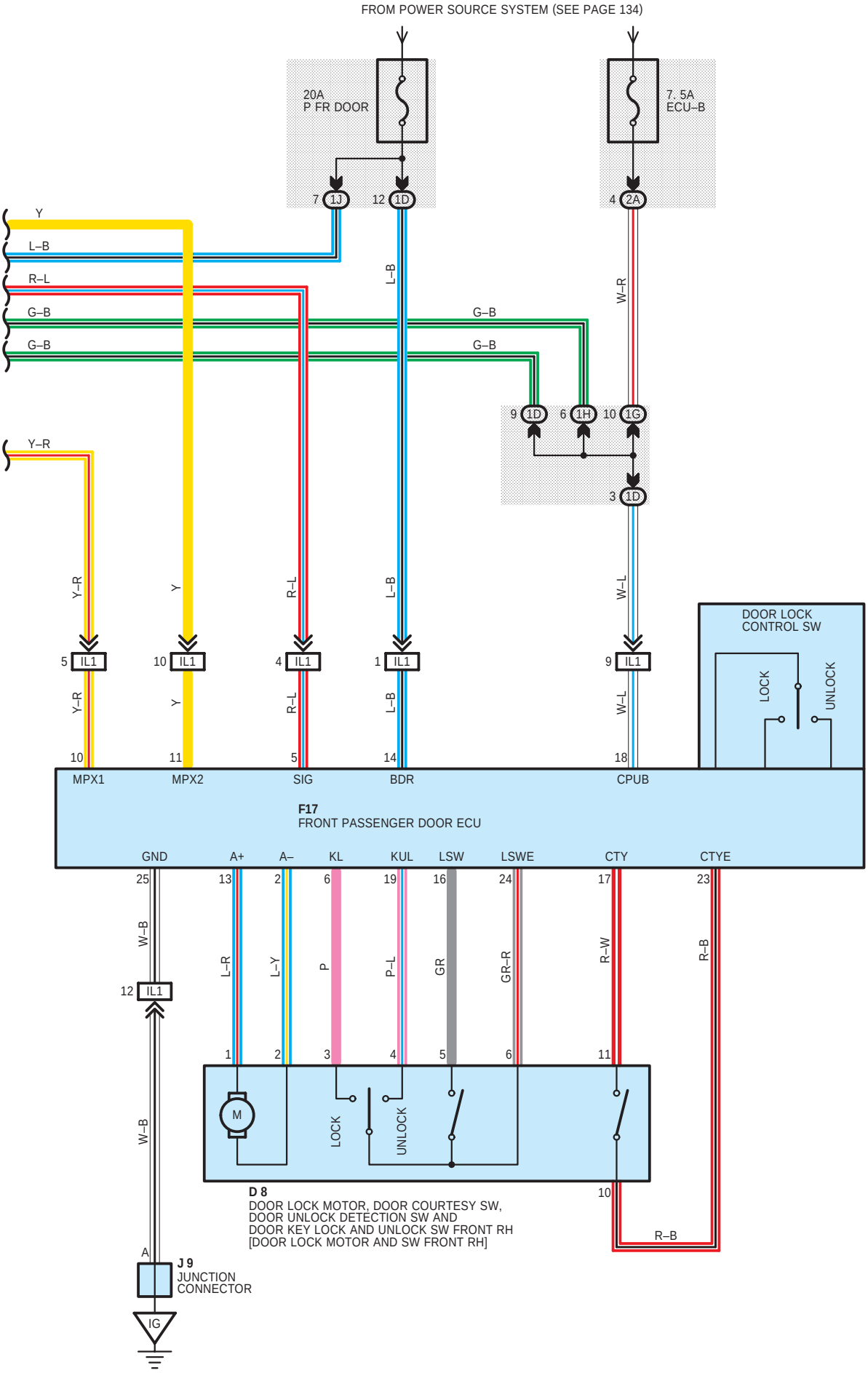
THEFT DETERRENT AND DOOR LOCK CONTROL (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2 2A
L–B
R–L
R–L
R–L
R–L
Y
L–B
R–L
R–L
R–L
G–B
V
W–R
G–B
I 5
G–B
Y
G–B
I 4
G–B
11 IA2
V
10 11
MPX2 MPX1
IMLO
E 9
ENGINE AND ECT ECU
22
L
5 IC1
Y–R
4 IC1
R–L
9 IC2
L–B
9 IC1
G–B
10 IC1
V
DOOR LOCK CONTROL SW
LOCK
UNLOCK
11 A
+B1
8 B
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
10 MPX1
5 SIG
14 BDR
18 CPUB
11 MPX2
D12
DRIVER DOOR ECU
L2
UL2
TRIG
CTLS
DSWH
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
13 A
5 A
10 B
9 B
4 A
25
13
2
6
19
16
24
17
23
L–W
LG–R
Y
L–B
R–W
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
5 IA2
6 IA2
12 IM2
4 IM2
7 EC1
12 IC1
L–W
LG–R
Y
L–B
G–B
W–B
8 BC2
7 BC2
3
4
2
1
8
7
10
M
LOCK
UNLOCK
2
3
TRIG
CONT
GND
+B
1
1
11
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]
R–B
B10
BACK DOOR KEY LOCK AND UNLOCK SW
T15
THEFT DETERRENT SIREN
E 3
ENGINE HOOD COURTESY SW
G–B
G–B
W–B
W–B
W–B
L
A
A
A
A
J14
JUNCTION CONNECTOR
J15
JUNCTION CONNECTOR
J 1
JUNCTION CONNECTOR
J 5
JUNCTION CONNECTOR
BN
BM
EA
IE

THEFT DETERRENT AND DOOR LOCK CONTROL (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
7. 5A
ECU–B
7 1J
12 1D
4 2A
Y
L–B
R–L
G–B
G–B
L–B
G–B
G–B
W–R
9 1D
6 1H
10 1G
3 1D
Y–R
5 IL1
Y–R
10
MPX1
Y
10 IL1
Y
11
MPX2
R–L
4 IL1
R–L
5
SIG
L–B
1 IL1
L–B
14
BDR
W–L
9 IL1
W–L
18
CPUB
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
F17
FRONT PASSENGER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
W–B
12 IL1
W–B
A
J 9
JUNCTION
CONNECTOR
IG
13
L–R
1
2
L–Y
2
6
P
3
19
P–L
4
16
GR
5
24
GR–R
6
17
R–W
11
23
R–B
10
R–B
M
LOCK
UNLOCK
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT RH
[DOOR LOCK MOTOR AND SW FRONT RH]

THEFT DETERRENT AND DOOR LOCK CONTROL (LHD)

SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW of the driver or front passenger side to pressed to unlock side , through communication control of the door ECU, the current flows from TERMINAL A– of the door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks the door.

2. MANUAL LOCK OPERATION

When the door lock control SW of the driver or front passenger side to pressed to lock side, through communication control of the door ECU, the current flows from TERMINAL A+ of the door ECU to door lock motor to TERMINAL A– of the door ECU to GROUND, and locks the door,

3. DOOR KEY UNLOCK OPERATION

* Unlock operation from the driver door
  When unlocking from the driver door with the ignition key, a signal from the door key lock and unlock SW is input to TERMINAL KUL of the driver door ECU. As a result, the driver door ECU operates and the current flows from TERMINAL A– of the driver door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks the driver side door only.
* Unlock operation from the passenger door
  When unlocking from the passenger door with the ignition key, a signal from the door key lock and unlock SW is input to TERMINAL KUL of the driver door ECU. As a result, through communication control of the body ECU and door ECU, the current flows from TERMINAL A– of the door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks all the doors at once.

4. 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

E3 ENGINE HOOD COURTESY SW

1–2 : Closed with the engine hood open

D7 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT LH

3–GROUND : Approx. **12** volts with the door lock motor at lock operate
4–GROUND : Approx. **12** volts with the door lock motor at unlock operate
2–7 : Closed with the door lock cylinder locked with key
1–7 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D8 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT RH

1–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
3–6 : Closed with the door lock cylinder locked with key
4–6 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D9 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
1–5 : Closed with the door open

D10 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
1–5 : Closed with the door open

B10 BACK DOOR KEY LOCK AND UNLOCK SW

2–1 : Closed with the door lock cylinder locked with key
3–1 : Closed with the door lock cylinder unlocked with key

B11 BACK DOOR UNLOCK DETECTION SW AND BACK DOOR LOCK MOTOR

2–GROUND : Approx. **12** volts with the door lock motor at lock operate
3–GROUND : Approx. **12** volts with the door lock motor at unlock operate

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	D11	94 (LHD)	J9	93 (LHD)
B7 C	92 (LHD)	D12	94 (LHD)	J14	94 (LHD)
B8 D	92 (LHD)	E3	90 (LHD)	J15	94 (LHD)
B9	94 (LHD)	E9	92 (LHD)	R2	93 (LHD)
B10	94 (LHD)	F17	94 (LHD)	R14	95 (LHD)
B11	94 (LHD)	I17	93 (LHD)	R16	95 (LHD)
C12	92 (LHD)	J1	91 (LHD)	T4 A	93 (LHD)
D7	94 (LHD)	J3 B	93 (LHD)	T5 B	93 (LHD)
D8	94 (LHD)	J4 A	93 (LHD)	T15	95 (LHD)
D9	94 (LHD)	J5	93 (LHD)	U1	93 (LHD)
D10	94 (LHD)	J7	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3F		
3G		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

THEFT DETERRENT AND DOOR LOCK CONTROL (LHD)

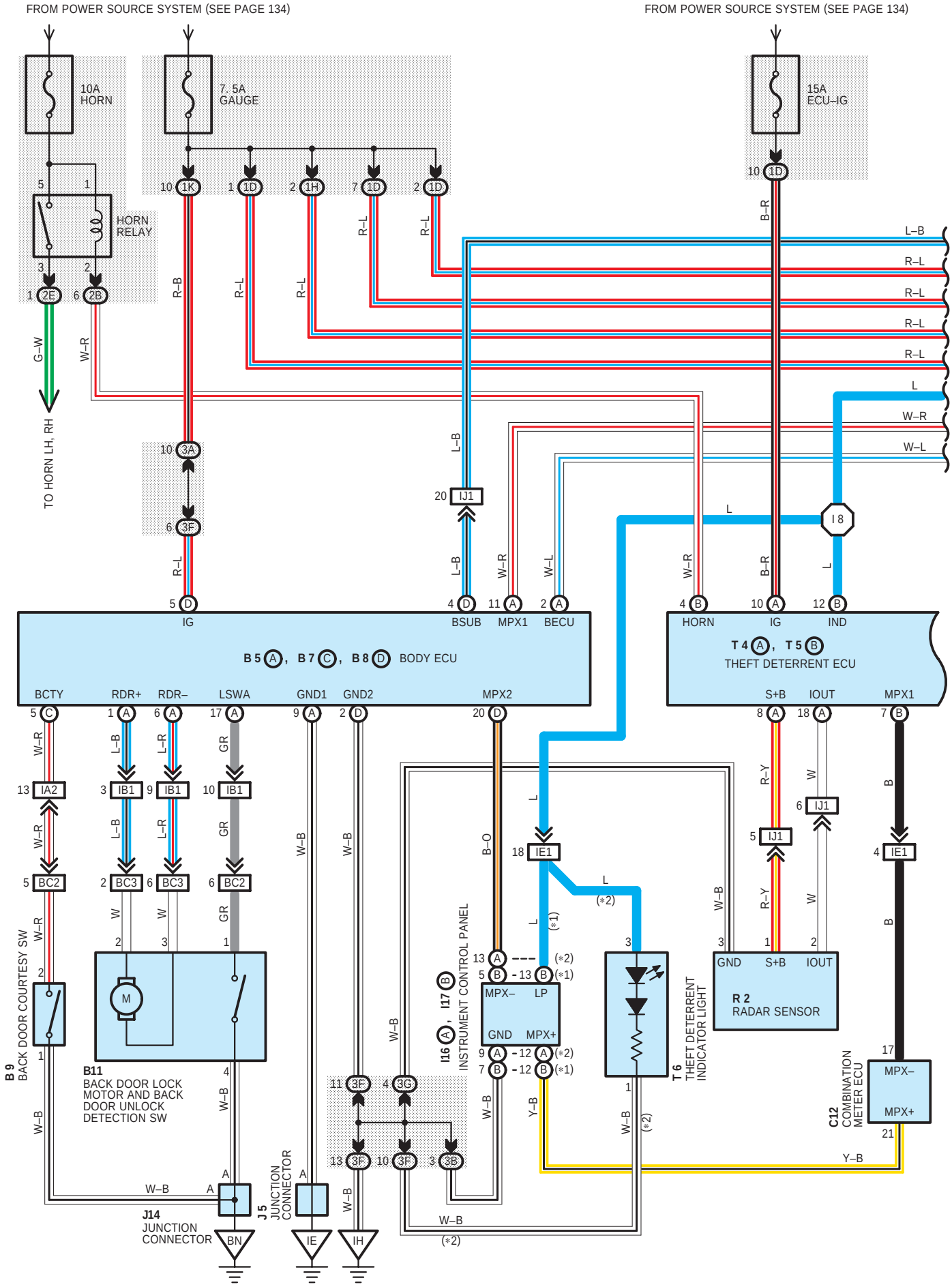
: GROUND POINTS

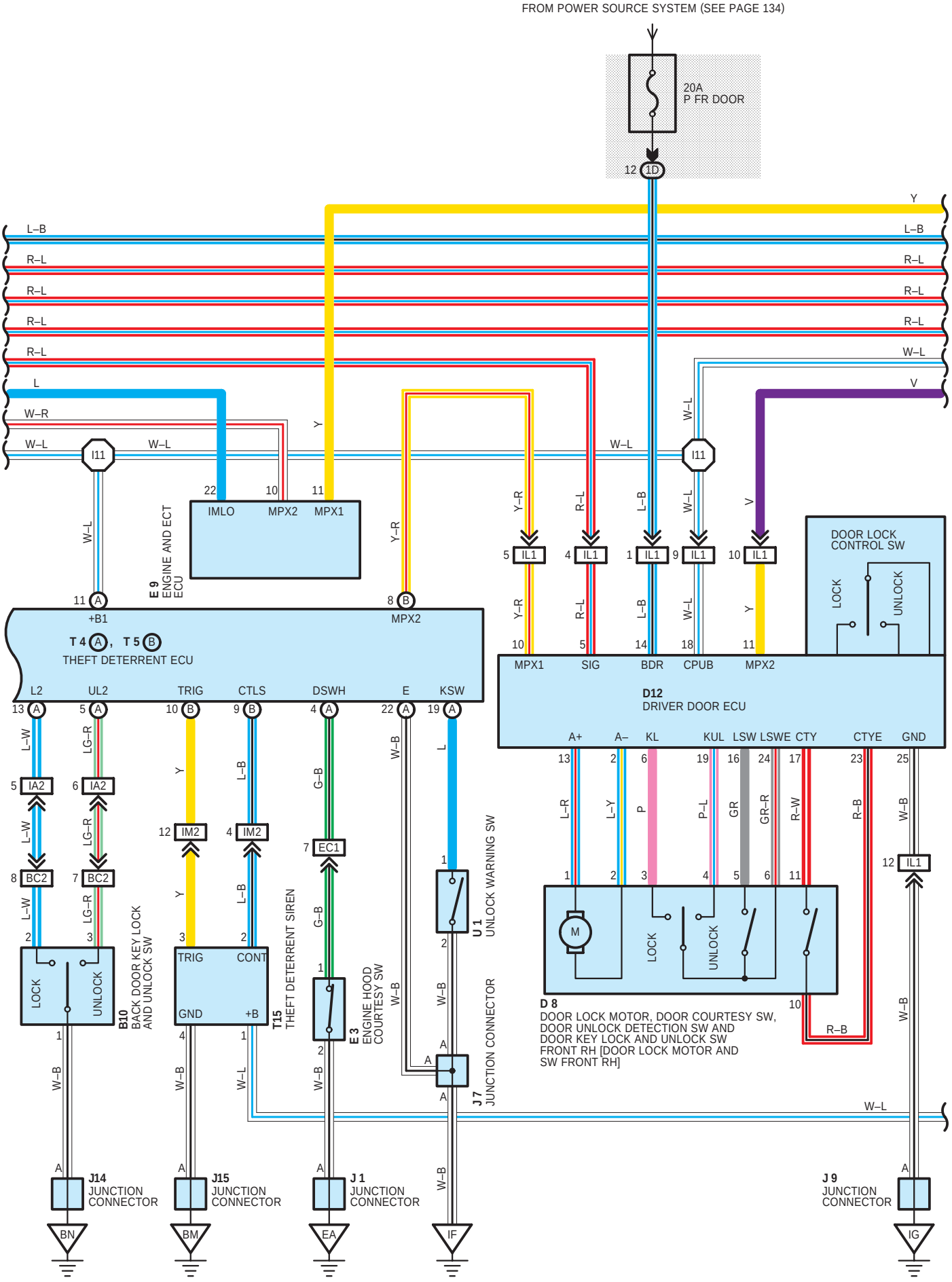
Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BM	112 (LHD)	Under the Rear RH Seat
BN	112 (LHD)	Back Panel Center

: SPLICE POINTS

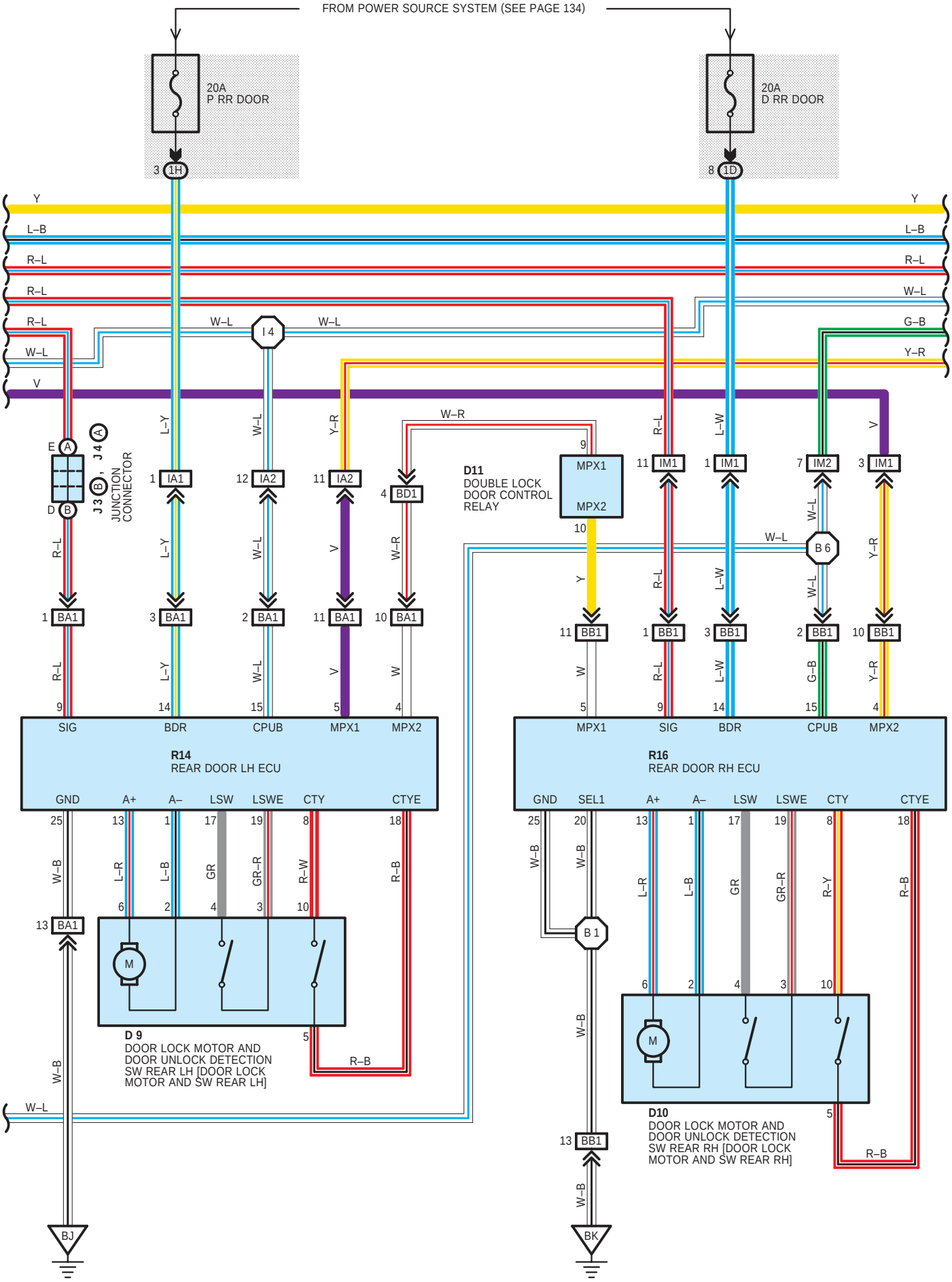
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	B1	112 (LHD)	Rear Door RH Wire
I5			B6	112 (LHD)	Floor Wire
I8					

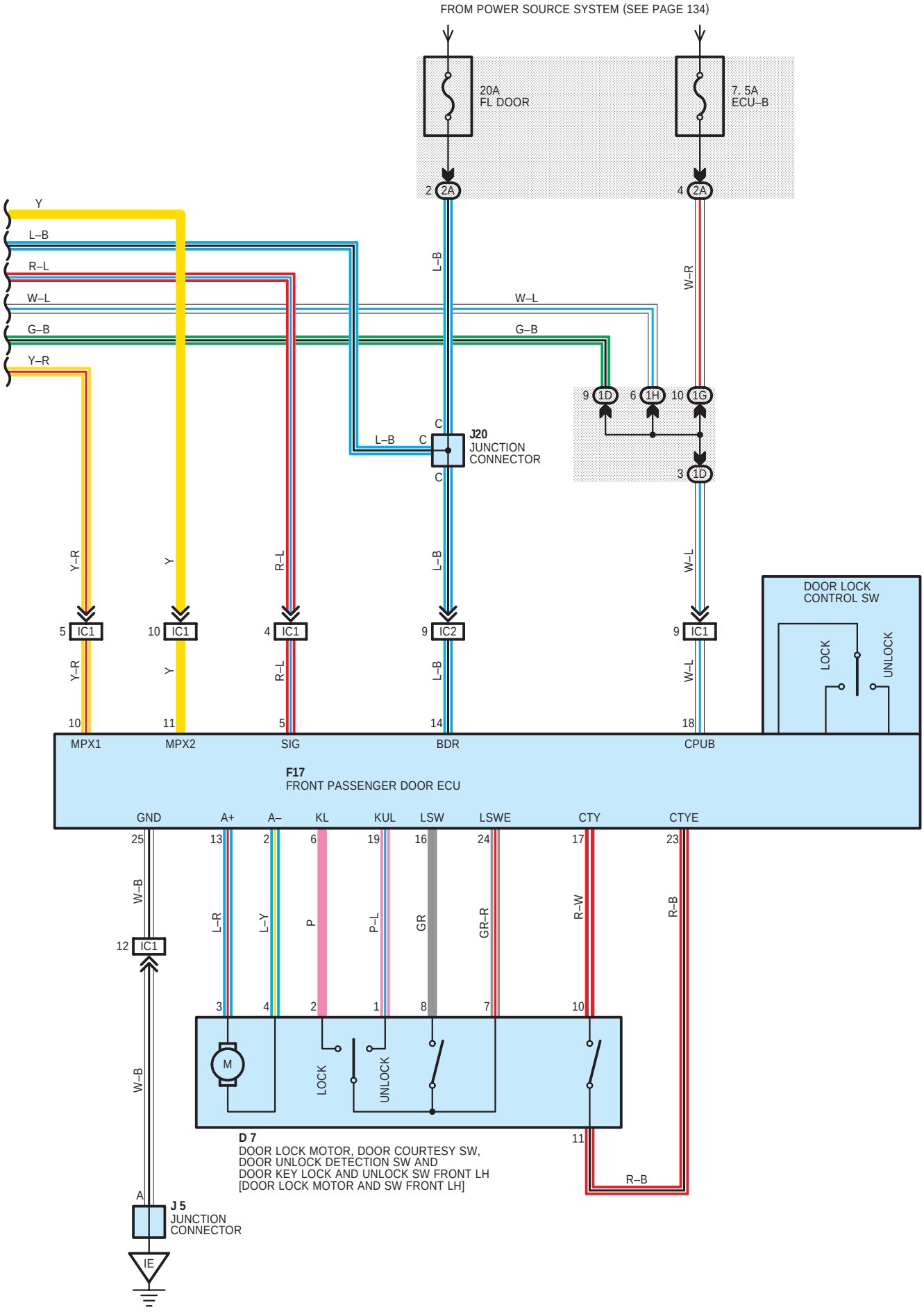
THEFT DETERRENT AND DOOR LOCK CONTROL (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
12 1D
L–B
R–L
R–L
R–L
R–L
W–L
L
W–R
W–L
I11
W–L
22
10
11
IMLO
MPX2
MPX1
E 9
ENGINE AND ECT
ECU
Y
Y–R
W–L
V
11 A
+B1
8 B
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
5 IL1
4 IL1
1 IL1
9 IL1
10 IL1
Y–R
R–L
L–B
W–L
V
Y
10
5
14
18
11
MPX1
SIG
BDR
CPUB
MPX2
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
D12
DRIVER DOOR ECU
L2
UL2
TRIG
CTLS
DSWH
E
KSW
13 A
5 A
10 B
9 B
4 A
22 A
19 A
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
GND
13
2
6
19
16
24
17
23
25
L–W
LG–R
Y
L–B
G–B
W–B
L
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
W–B
5 IA2
6 IA2
12 IM2
4 IM2
7 EC1
1
12 IL1
8 BC2
7 BC2
M
LOCK
UNLOCK
2
3
TRIG
CONT
GND
+B
U 1
UNLOCK WARNING SW
B10
BACK DOOR KEY LOCK
AND UNLOCK SW
T15
THEFT DETERRENT SIREN
E 3
ENGINE HOOD
COURTESY SW
J 7
JUNCTION CONNECTOR
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW
FRONT RH [DOOR LOCK MOTOR AND
SW FRONT RH]
10
R–B
W–L
A
J14
JUNCTION
CONNECTOR
J15
JUNCTION
CONNECTOR
J 1
JUNCTION
CONNECTOR
J 9
JUNCTION
CONNECTOR
BN
BM
EA
IF
IG

THEFT DETERRENT AND DOOR LOCK CONTROL (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
7. 5A
ECU–B
2 2A
4 2A
Y
L–B
R–L
W–L
G–B
Y–R
L–B
W–L
G–B
W–R
9 1D
6 1H
10 1G
3 1D
C
J20
JUNCTION
CONNECTOR
C
C
L–B
Y–R
Y
R–L
L–B
W–L
5 IC1
10 IC1
4 IC1
9 IC2
9 IC1
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
10
11
5
14
18
MPX1
MPX2
SIG
BDR
CPUB
F17
FRONT PASSENGER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IC1
3
4
2
1
8
7
10
M
LOCK
UNLOCK
11
R–B
W–B
A
J 5
JUNCTION
CONNECTOR
IE
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]

THEFT DETERRENT AND DOOR LOCK CONTROL (RHD)

SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW of the driver or front passenger side to pressed to unlock side , through communication control of the door ECU, the current flows from TERMINAL A– of the door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks the door.

2. MANUAL LOCK OPERATION

When the door lock control SW of the driver or front passenger side to pressed to lock side, through communication control of the door ECU, the current flows from TERMINAL A+ of the door ECU to door lock motor to TERMINAL A– of the door ECU to GROUND, and locks the door,

3. DOOR KEY UNLOCK OPERATION

* Unlock operation from the driver door
  When unlocking from the driver door with the ignition key, a signal from the door key lock and unlock SW is input to TERMINAL KUL of the driver door ECU. As a result, the driver door ECU operates and the current flows from TERMINAL A– of the driver door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks the driver side door only.
* Unlock operation from the passenger door
  When unlocking from the passenger door with the ignition key, a signal from the door key lock and unlock SW is input to TERMINAL KUL of the driver door ECU. As a result, through communication control of the body ECU and door ECU, the current flows from TERMINAL A– of the door ECU to door lock motor to TERMINAL A+ of the door ECU to GROUND, and unlocks all the doors at once.

4. 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

E3 ENGINE HOOD COURTESY SW

1–2 : Closed with the engine hood open

D7 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT LH

3–GROUND : Approx. **12** volts with the door lock motor at lock operate
4–GROUND : Approx. **12** volts with the door lock motor at unlock operate
2–7 : Closed with the door lock cylinder locked with key
1–7 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D8 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR LOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT RH

1–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
3–6 : Closed with the door lock cylinder locked with key
4–6 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D9 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
1–5 : Closed with the door open

D10 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
1–5 : Closed with the door open

B10 BACK DOOR KEY LOCK AND UNLOCK SW

2–1 : Closed with the door lock cylinder locked with key
3–1 : Closed with the door lock cylinder unlocked with key

B11 BACK DOOR UNLOCK DETECTION SW AND BACK DOOR LOCK MOTOR

2–GROUND : Approx. **12** volts with the door lock motor at lock operate
3–GROUND : Approx. **12** volts with the door lock motor at unlock operate

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	100 (RHD)	D12	102 (RHD)	J14	102 (RHD)
B7 C	100 (RHD)	E3	98 (RHD)	J15	102 (RHD)
B8 D	100 (RHD)	E9	100 (RHD)	J20	101 (RHD)
B9	102 (RHD)	F17	102 (RHD)	R14	103 (RHD)
B10	102 (RHD)	I16 A	101 (RHD)	R16	103 (RHD)
B11	102 (RHD)	I17 B	101 (RHD)	R26	103 (RHD)
C12	100 (RHD)	J1	99 (RHD)	T4 A	101 (RHD)
D7	102 (RHD)	J3 B	101 (RHD)	T5 B	101 (RHD)
D8	102 (RHD)	J4 A	101 (RHD)	T6	101 (RHD)
D9	102 (RHD)	J5	101 (RHD)	T15	103 (RHD)
D10	102 (RHD)	J7	101 (RHD)	U1	101 (RHD)
D11	102 (RHD)	J9	101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3F		
3G		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EC1	116 (RHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	118 (RHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

THEFT DETERRENT AND DOOR LOCK CONTROL (RHD)

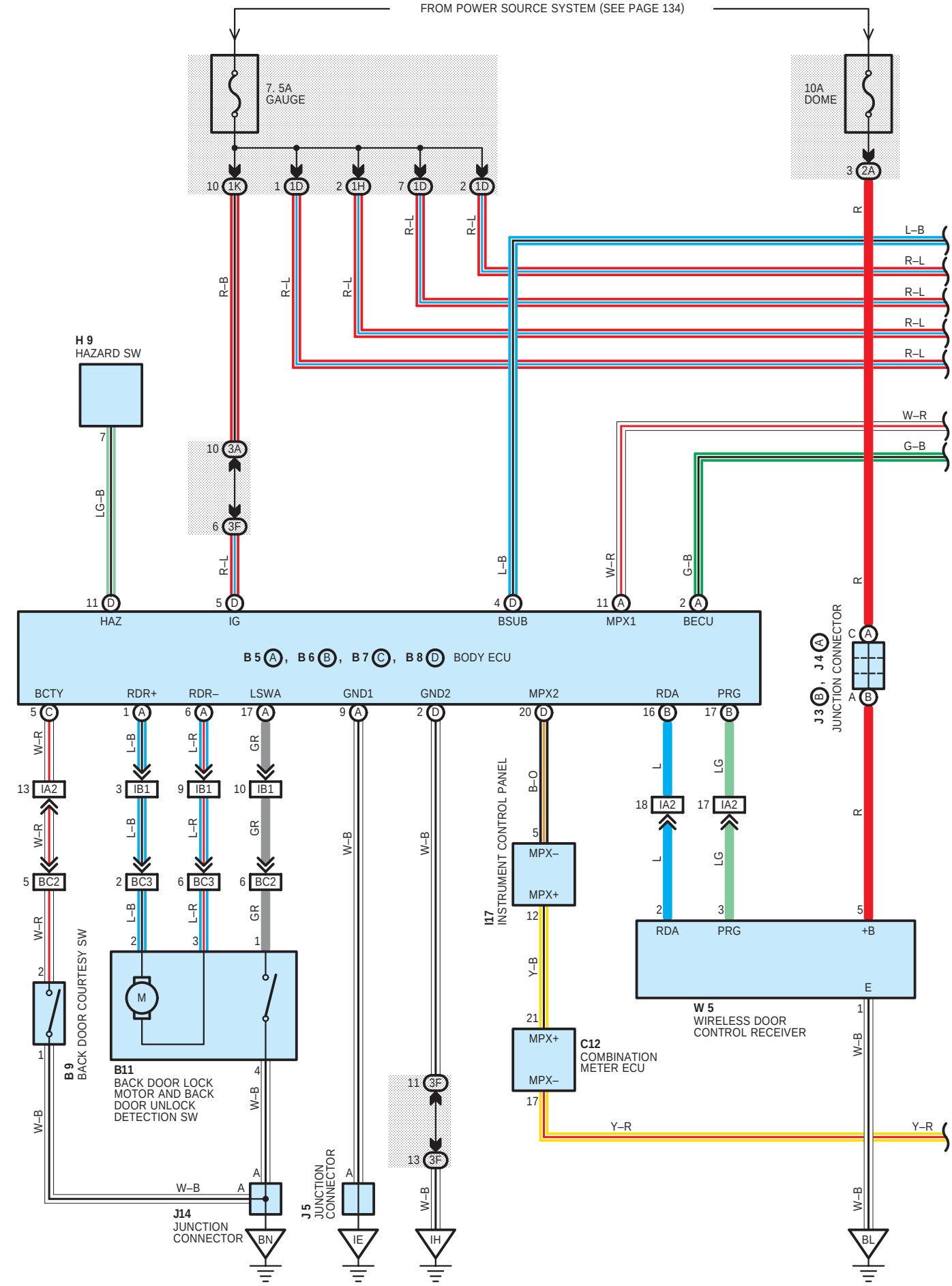
: GROUND POINTS

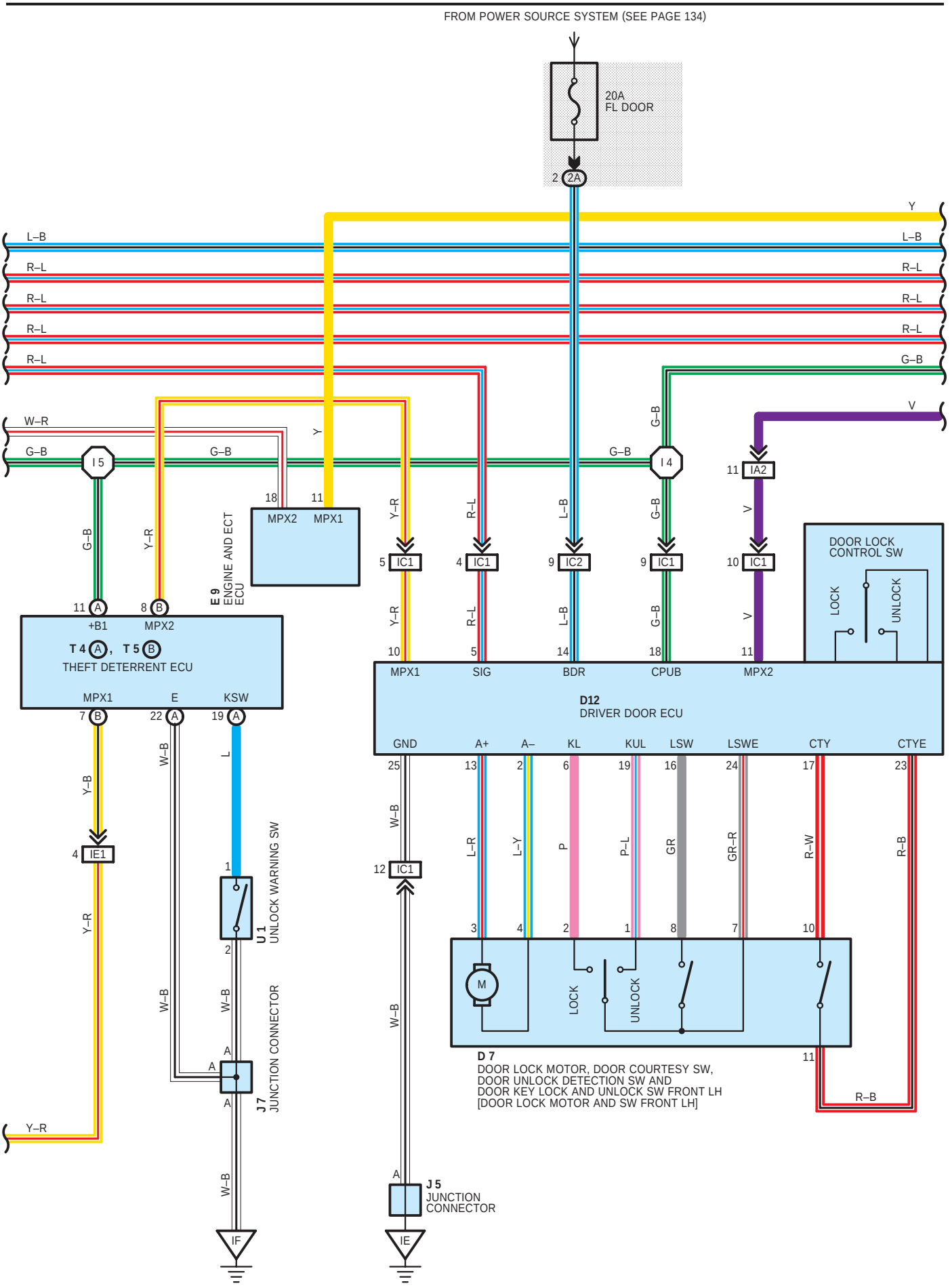
Code	See Page	Ground Points Location
EA	116 (RHD)	Engine Compartment Right
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BM	122 (RHD)	Under the Rear RH Seat
BN	122 (RHD)	Back Panel Center

: SPLICE POINTS

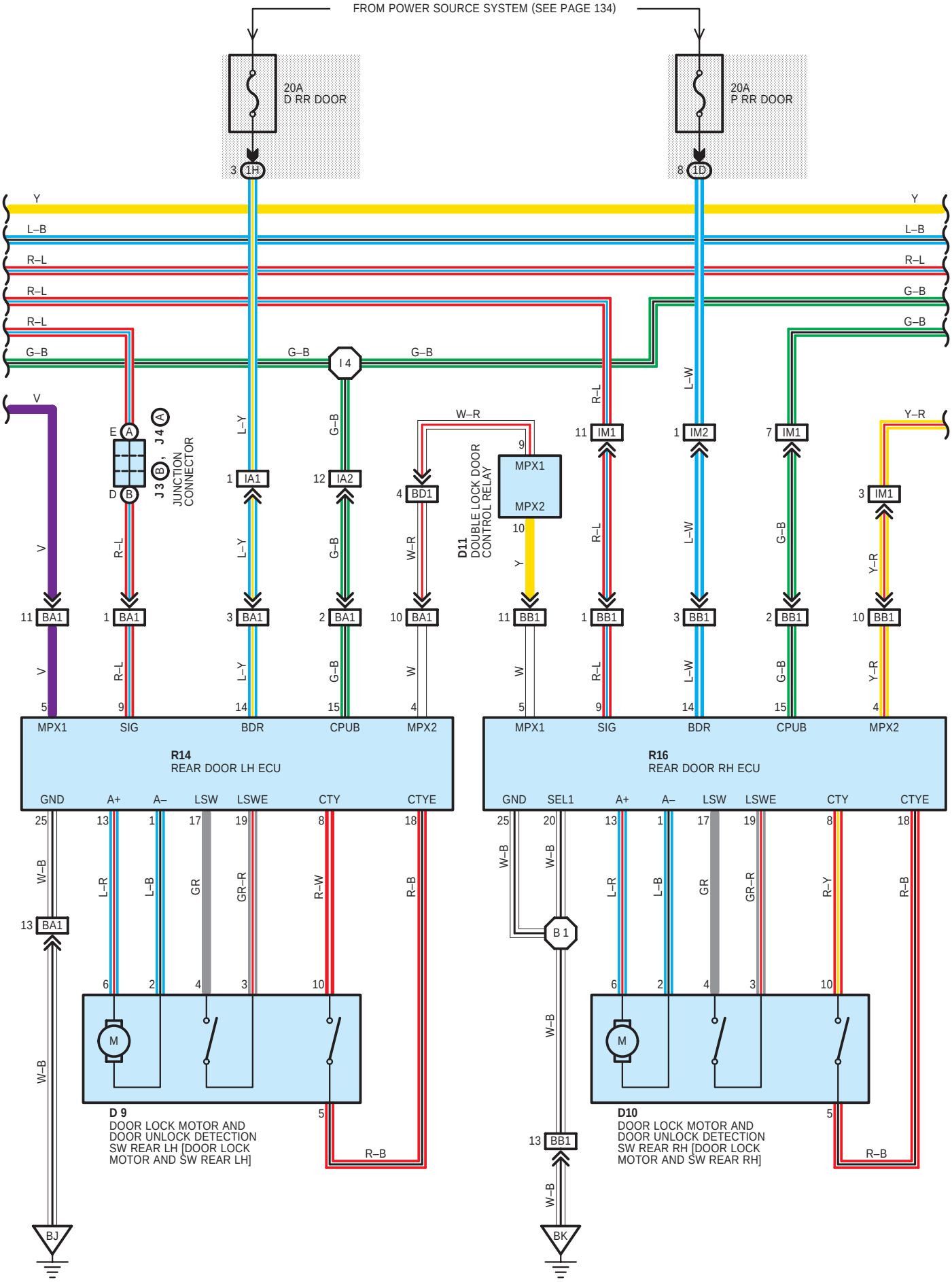
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	120 (RHD)	Cowl Wire	B1	122 (RHD)	Rear Door RH Wire
I8			B6	122 (RHD)	Floor Wire
I11					

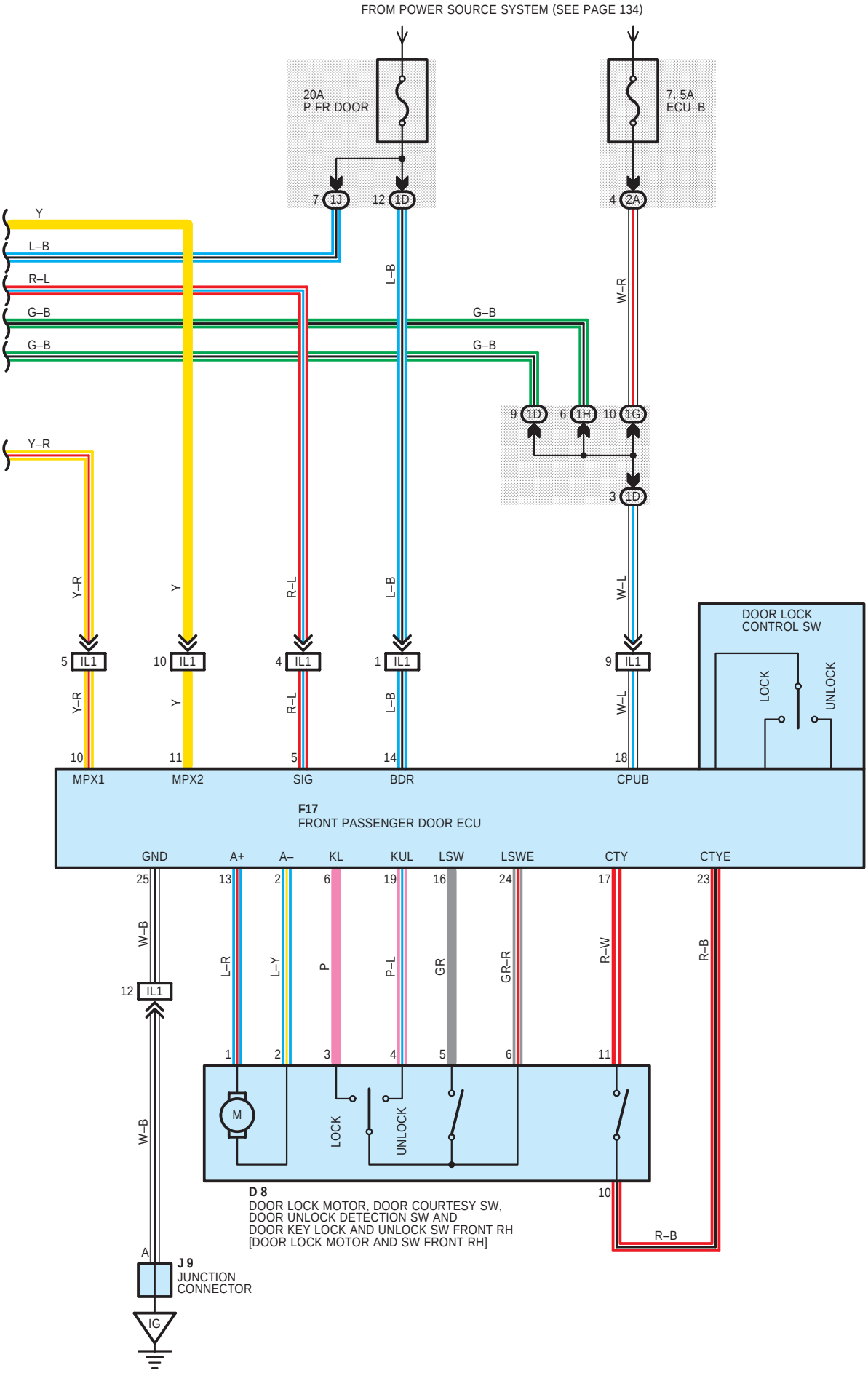
WIRELESS DOOR LOCK CONTROL (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2 2A
Y
L–B
R–L
R–L
R–L
R–L
G–B
V
W–R
G–B
I 5
G–B
Y
G–B
I 4
G–B
11 IA2
V
18
11
MPX2
MPX1
E 9
ENGINE AND ECT
ECU
Y–R
R–L
L–B
G–B
V
5 IC1
4 IC1
9 IC2
9 IC1
10 IC1
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
11 A
8 B
+B1
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
MPX1
E
KSW
7 B
22 A
19 A
10
5
14
18
11
MPX1
SIG
BDR
CPUB
MPX2
D12
DRIVER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IC1
3
4
2
1
8
7
10
M
LOCK
UNLOCK
11
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]
R–B
Y–B
W–B
L
4 IE1
1
U 1
UNLOCK WARNING SW
2
Y–R
W–B
W–B
A
A
A
J 7
JUNCTION CONNECTOR
Y–R
W–B
IF
A
J 5
JUNCTION
CONNECTOR
IE

WIRELESS DOOR LOCK CONTROL (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
7. 5A
ECU–B
7 1J
12 1D
4 2A
Y
L–B
R–L
G–B
G–B
L–B
G–B
G–B
W–R
9 1D
6 1H
10 1G
3 1D
Y–R
Y
R–L
L–B
W–L
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
5 IL1
10 IL1
4 IL1
1 IL1
9 IL1
Y–R
Y
R–L
L–B
W–L
10
11
5
14
18
MPX1
MPX2
SIG
BDR
CPUB
F17
FRONT PASSENGER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IL1
1
2
3
4
5
6
11
M
LOCK
UNLOCK
10
R–B
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT RH
[DOOR LOCK MOTOR AND SW FRONT RH]
W–B
A
J 9
JUNCTION
CONNECTOR
IG

WIRELESS DOOR LOCK CONTROL (LHD)

SYSTEM OUTLINE

In this system, the wireless door lock ECU receives weak radio wave transmitted from the transmitter built into the ignition key, and outputs signals to the body ECU. Through communication control of the body ECU and door ECU, all the doors can be locked and unlocked by remote control.

1. NORMAL OPERATION

* Lock operation
  When the lock SW on the transmitter is pressed, all doors are locked.
* Unlock operation
  When the unlock SW on the transmitter is pressed once, only the driver door is unlocked.

2. AUTO LOCK FUNCTION

If the door is not opened within 30 seconds after the door has been unlocked by pressing the unlock SW on the transmitter, all the doors will be locked automatically.

3. WIRELESS DOOR LOCK STOP FUNCTION

If any of the following conditions is detected, the wireless door lock does not function.

* Lock operation
  Any door is open (The door courtesy SW is on). The ignition key is inserted into the ignition key cylinder (The unlock warning SW is on). The ignition SW is turned to the ON position.
* Unlock operation
  The ignition SW is turned to the ON position.

4. VISUAL CONFIRMATION OF LOCK OR UNLOCK FUNCTION

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlock by using the transmitter, the hazard warning lights blinks twice. If UNLOCK SW of the transmitter is pushed while all the doors are locked, doors are unlocked and the room lights are turned on simultaneously.

5. ILLUMINATED ENTRY FUNCTION

When the ECU detects the unlock state after the unlock operation has been made, it turns on the front interior light, such as the ignition key cylinder light for 15 sec. If all the doors are locked during this operation, lighting is cancelled and the lights immediately fade out.

6. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the body ECU has output the lock signal, the lock signal is output again after approximately 2 sec.

SERVICE HINTS

D7 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR UNLOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT LH

3–GROUND : Approx. **12** volts with the door lock motor at lock operate
4–GROUND : Approx. **12** volts with the door lock motor at unlock operate
2–7 : Closed with the door lock cylinder locked with key
1–7 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D8 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR UNLOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT RH

1–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
3–6 : Closed with the door lock cylinder locked with key
4–6 : Closed with the door lock cylinder unlocked with key
11–10 : Closed with the door open

D9 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate

D10 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate

B11 BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW

2–GROUND : Approx. **12** volts with the door lock motor at lock operate
3–GROUND : Approx. **12** volts with the door lock motor at unlock operate

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	D10	94 (LHD)	J7	93 (LHD)
B6 B	92 (LHD)	D11	94 (LHD)	J9	93 (LHD)
B7 C	92 (LHD)	D12	94 (LHD)	J14	94 (LHD)
B8 D	92 (LHD)	E9	92 (LHD)	R14	95 (LHD)
B9	94 (LHD)	F17	94 (LHD)	R16	95 (LHD)
B11	94 (LHD)	H9	93 (LHD)	T4 A	93 (LHD)
C12	92 (LHD)	I17	93 (LHD)	T5 B	93 (LHD)
D7	94 (LHD)	J3 B	93 (LHD)	U1	93 (LHD)
D8	94 (LHD)	J4 A	93 (LHD)	W5	95 (LHD)
D9	94 (LHD)	J5	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

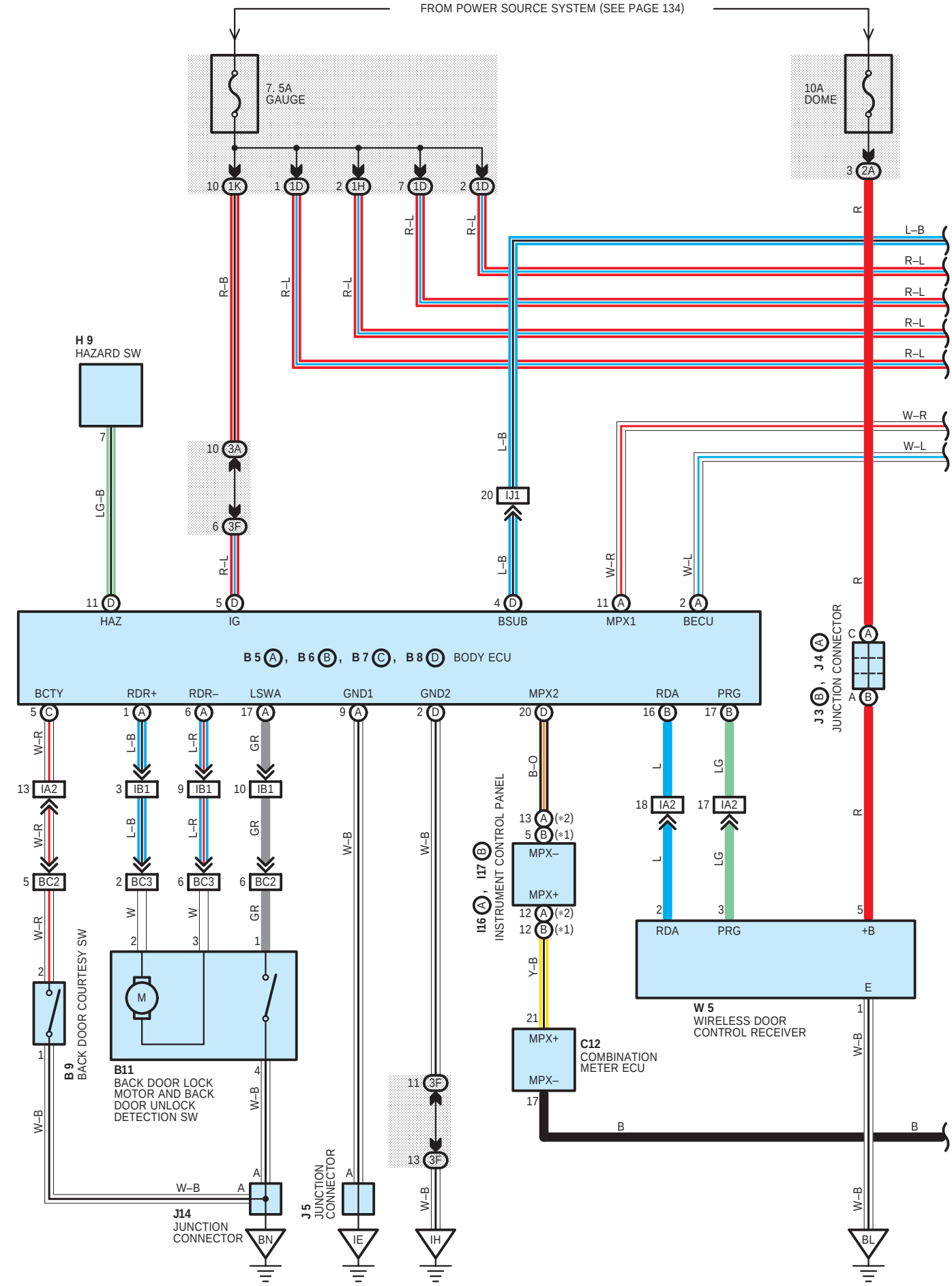
Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BL	112 (LHD)	Left Rear Quarter Panel
BN	112 (LHD)	Back Panel Center

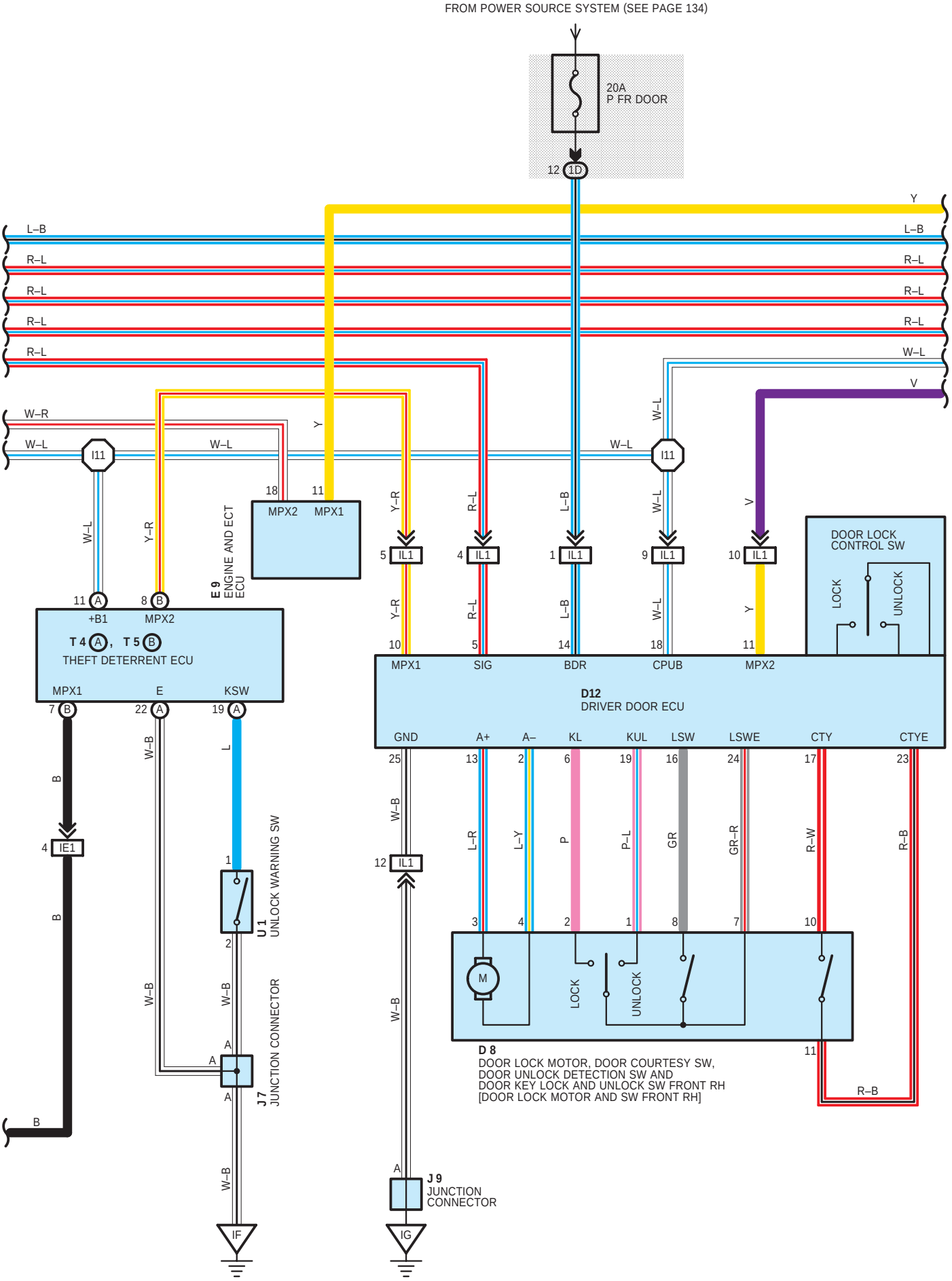
WIRELESS DOOR LOCK CONTROL (LHD)

: **SPLICE POINTS**

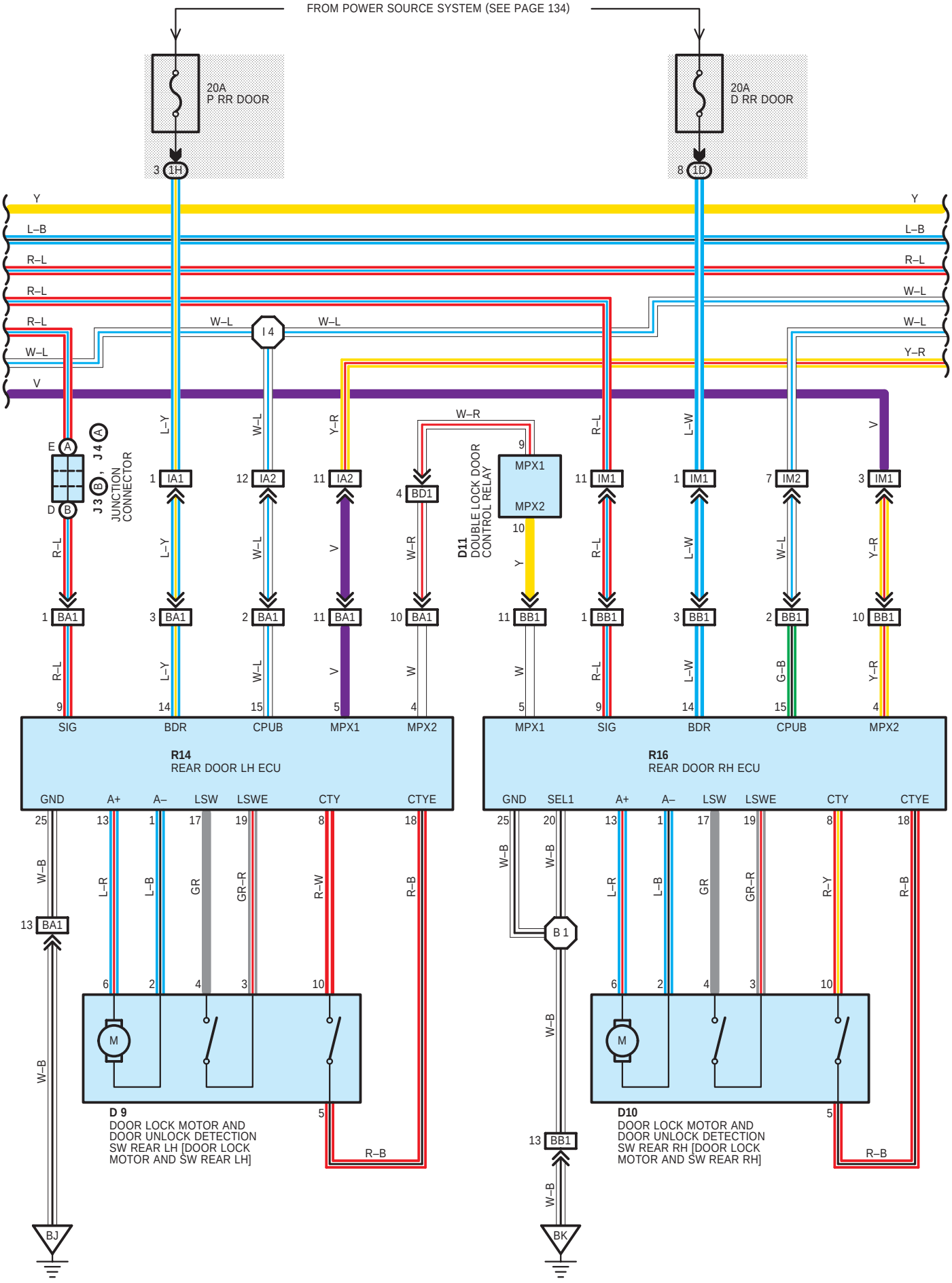
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	B1	112 (LHD)	Rear Door RH Wire
I5					

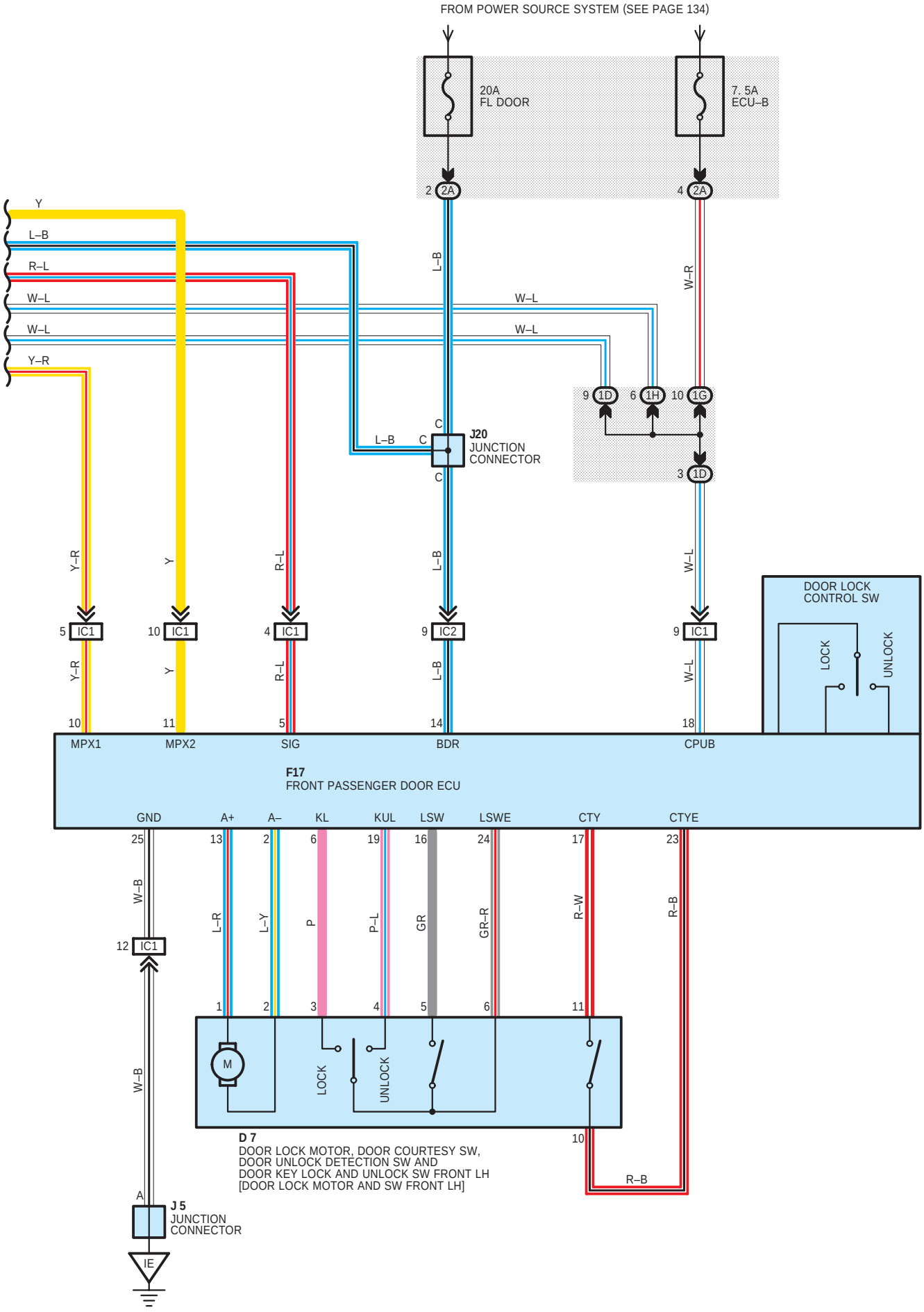
WIRELESS DOOR LOCK CONTROL (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
12 1D
L–B
R–L
R–L
R–L
R–L
Y
L–B
R–L
R–L
R–L
W–L
V
W–R
W–L
I11
W–L
Y
W–L
I11
W–L
W–L
Y–R
R–L
L–B
W–L
V
18
11
MPX2
MPX1
E 9
ENGINE AND ECT ECU
5 IL1
4 IL1
1 IL1
9 IL1
10 IL1
DOOR LOCK CONTROL SW
LOCK
UNLOCK
11 A
8 B
+B1
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
MPX1
E
KSW
7 B
22 A
19 A
MPX1
SIG
BDR
CPUB
MPX2
D12
DRIVER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
4 IE1
B
B
W–B
W–B
L
1
2
U 1
UNLOCK WARNING SW
12 IL1
3
4
2
1
8
7
10
M
LOCK
UNLOCK
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT RH
[DOOR LOCK MOTOR AND SW FRONT RH]
11
R–B
A
A
A
J 7
JUNCTION CONNECTOR
W–B
W–B
W–B
A
J 9
JUNCTION CONNECTOR
B
IF
IG

WIRELESS DOOR LOCK CONTROL (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
7.5A
ECU–B
2 2A
4 2A
Y
L–B
R–L
W–L
W–L
Y–R
L–B
W–R
W–L
W–L
9 1D
6 1H
10 1G
3 1D
C
L–B
C
J20
JUNCTION
CONNECTOR
C
Y–R
Y
R–L
L–B
W–L
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
5 IC1
10 IC1
4 IC1
9 IC2
9 IC1
Y–R
Y
R–L
L–B
W–L
10
11
5
14
18
MPX1
MPX2
SIG
BDR
CPUB
F17
FRONT PASSENGER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IC1
1
2
3
4
5
6
11
M
LOCK
UNLOCK
10
R–B
W–B
A
J 5
JUNCTION
CONNECTOR
IE
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]

WIRELESS DOOR LOCK CONTROL (RHD)

SYSTEM OUTLINE

In this system, the wireless door lock ECU receives weak radio wave transmitted from the transmitter built into the ignition key, and outputs signals to the body ECU. Through communication control of the body ECU and door ECU, all the doors can be locked and unlocked by remote control.

1. NORMAL OPERATION

* Lock operation
  When the lock SW on the transmitter is pressed, all doors are locked.
* Unlock operation
  When the unlock SW on the transmitter is pressed once, only the driver door is unlocked.

2. AUTO LOCK FUNCTION

If the door is not opened within 30 seconds after the door has been unlocked by pressing the unlock SW on the transmitter, all the doors will be locked automatically.

3. WIRELESS DOOR LOCK STOP FUNCTION

If any of the following conditions is detected, the wireless door lock does not function.

* Lock operation
  Any door is open (The door courtesy SW is on). The ignition key is inserted into the ignition key cylinder (The unlock warning SW is on). The ignition SW is turned to the ON position.
* Unlock operation
  The ignition SW is turned to the ON position.

4. VISUAL CONFIRMATION OF LOCK OR UNLOCK FUNCTION

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlock by using the transmitter, the hazard warning lights blinks twice. If UNLOCK SW of the transmitter is pushed while all the doors are locked, doors are unlocked and the room lights are turned on simultaneously.

5. ILLUMINATED ENTRY FUNCTION

When the ECU detects the unlock state after the unlock operation has been made, it turns on the front interior light, such as the ignition key cylinder light for 15 sec. If all the doors are locked during this operation, lighting is cancelled and the lights immediately fade out.

6. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the body ECU has output the lock signal, the lock signal is output again after approximately 2 sec.

SERVICE HINTS

D7 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR UNLOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT LH

1–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate
3–6 : Closed with the door lock cylinder locked with key
4–6 : Closed with the door lock cylinder unlocked with key
11–10 : Closed with the door open

D8 DOOR LOCK MOTOR, DOOR COURTESY SW, DOOR UNLOCK DETECTION SW AND DOOR KEY LOCK AND UNLOCK SW FRONT RH

3–GROUND : Approx. **12** volts with the door lock motor at lock operate
4–GROUND : Approx. **12** volts with the door lock motor at unlock operate
2–7 : Closed with the door lock cylinder locked with key
1–7 : Closed with the door lock cylinder unlocked with key
10–11 : Closed with the door open

D9 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR LH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate

D10 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH

6–GROUND : Approx. **12** volts with the door lock motor at lock operate
2–GROUND : Approx. **12** volts with the door lock motor at unlock operate

B11 BACK DOOR UNLOCK DETECTION SW AND BACK DOOR LOCK MOTOR

2–GROUND : Approx. **12** volts with the door lock motor at lock operate
3–GROUND : Approx. **12** volts with the door lock motor at unlock operate

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B5	A	100 (RHD)	D11		102 (RHD)	J9		101 (RHD)
B6	B	100 (RHD)	D12		102 (RHD)	J14		102 (RHD)
B7	C	100 (RHD)	E9		100 (RHD)	J20		101 (RHD)
B8	D	100 (RHD)	F17		102 (RHD)	R14		103 (RHD)
B9		102 (RHD)	H9		101 (RHD)	R16		103 (RHD)
B11		102 (RHD)	I16	A	101 (RHD)	T4	A	101 (RHD)
C12		100 (RHD)	I17	B	101 (RHD)	T5	B	101 (RHD)
D7		102 (RHD)	J3	B	101 (RHD)	U1		101 (RHD)
D8		102 (RHD)	J4	A	101 (RHD)	W5		103 (RHD)
D9		102 (RHD)	J5		101 (RHD)			
D10		102 (RHD)	J7		101 (RHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	118 (RHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

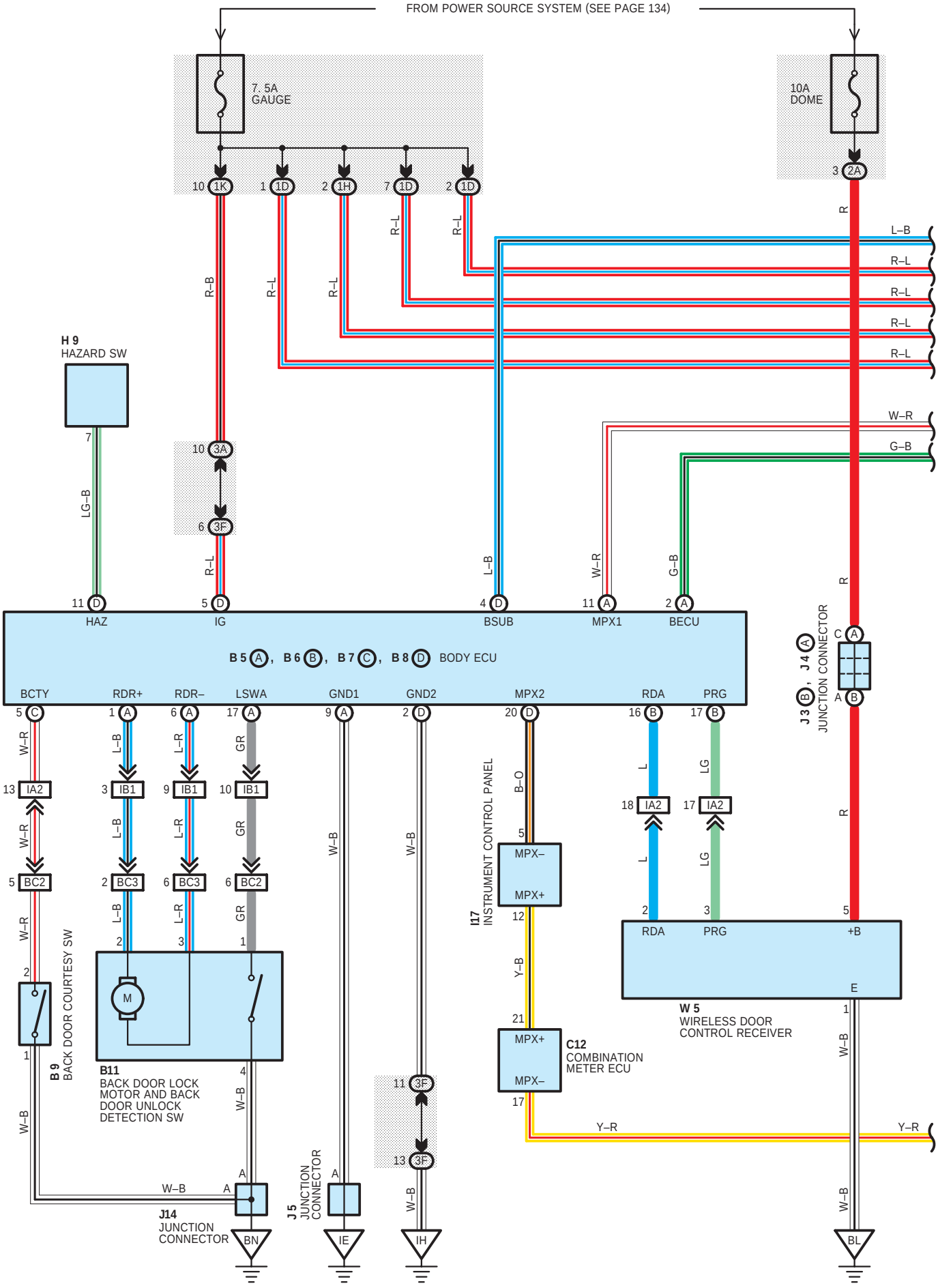
Code	See Page	Ground Points Location
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BL	122 (RHD)	Left Rear Quarter Panel
BN	122 (RHD)	Back Panel Center

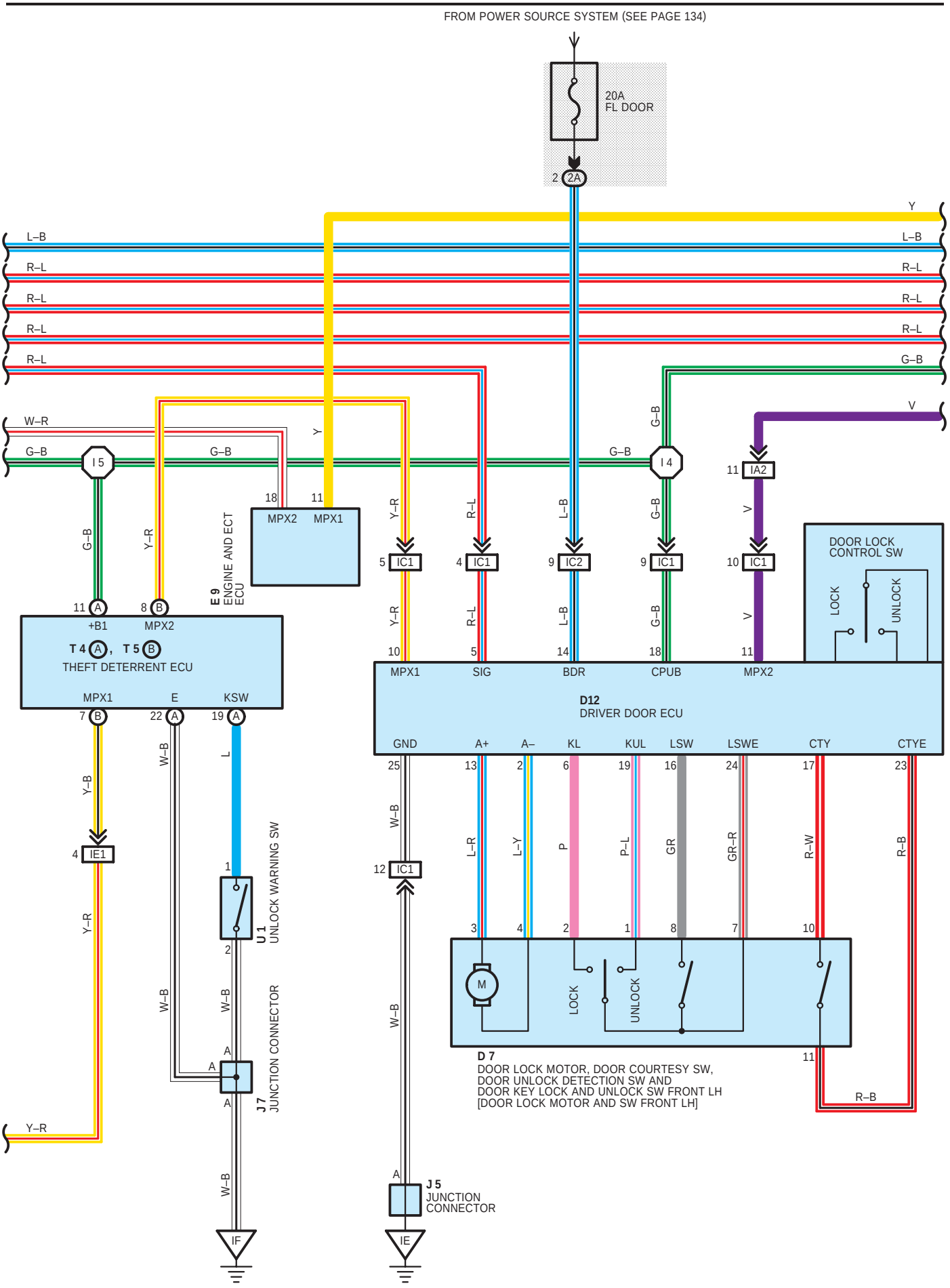
WIRELESS DOOR LOCK CONTROL (RHD)

 **: SPLICE POINTS**

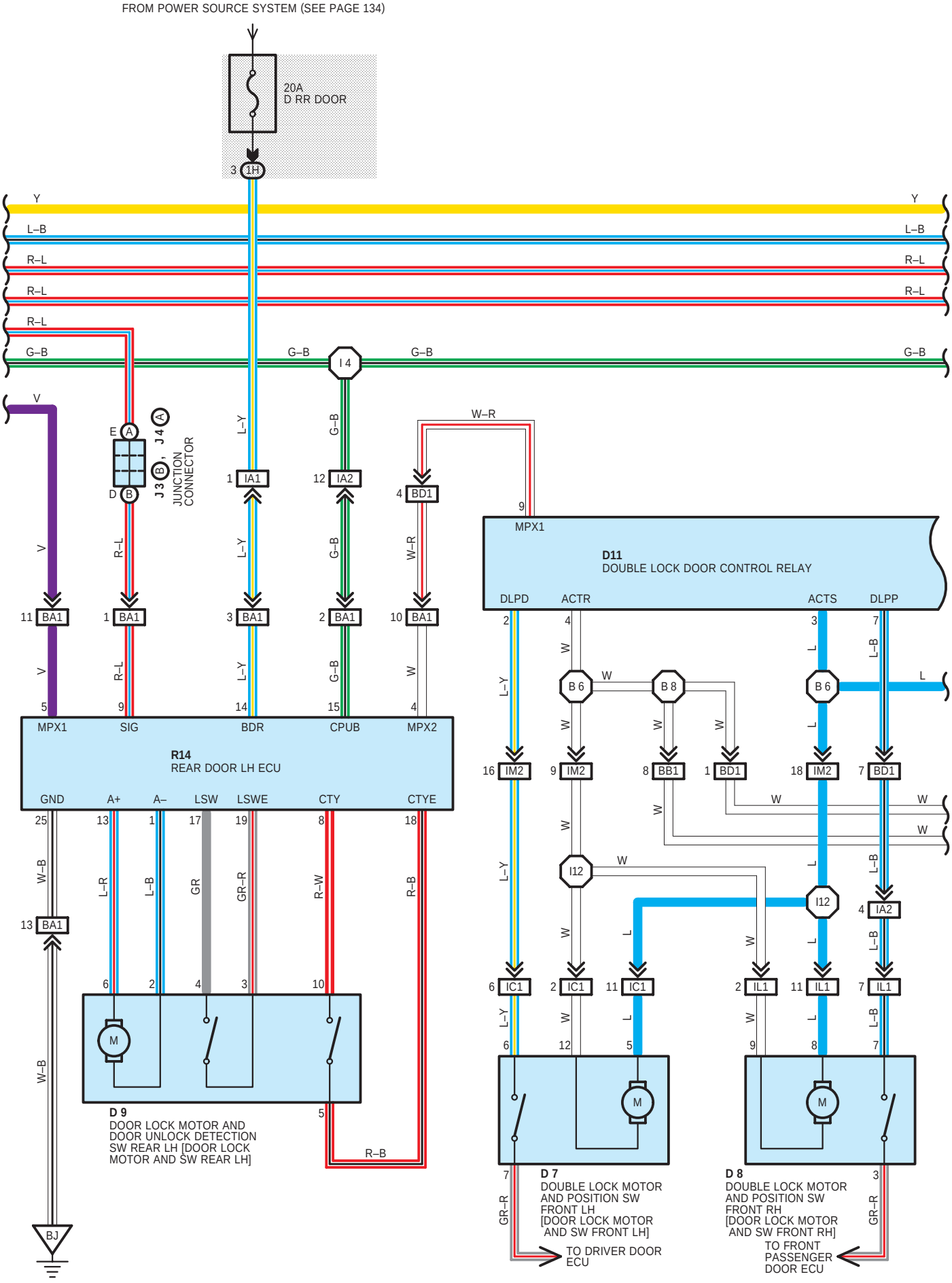
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	120 (RHD)	Cowl Wire	B1	122 (RHD)	Rear Door RH Wire
I11					

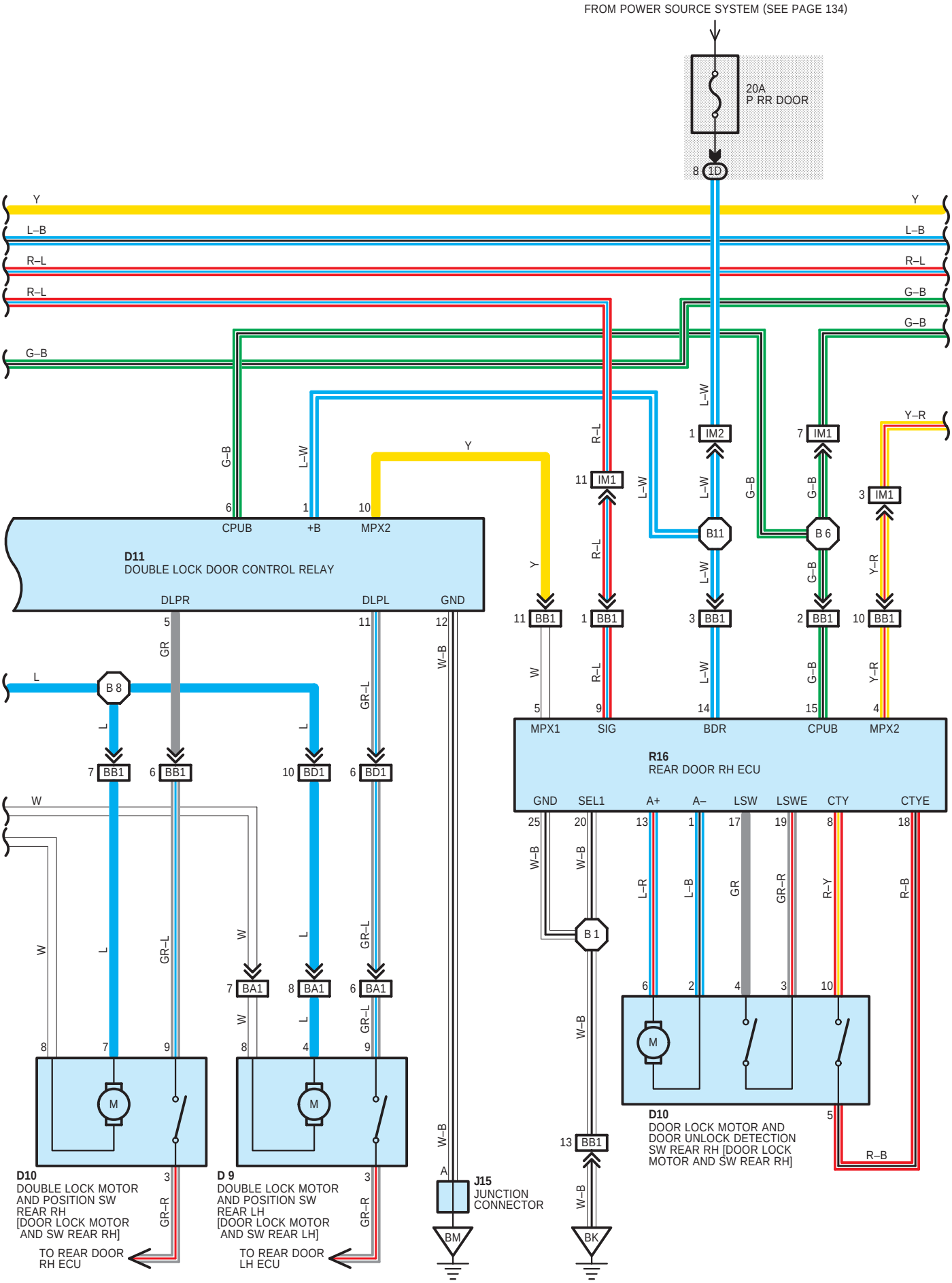
DOUBLE LOCKING (LHD)



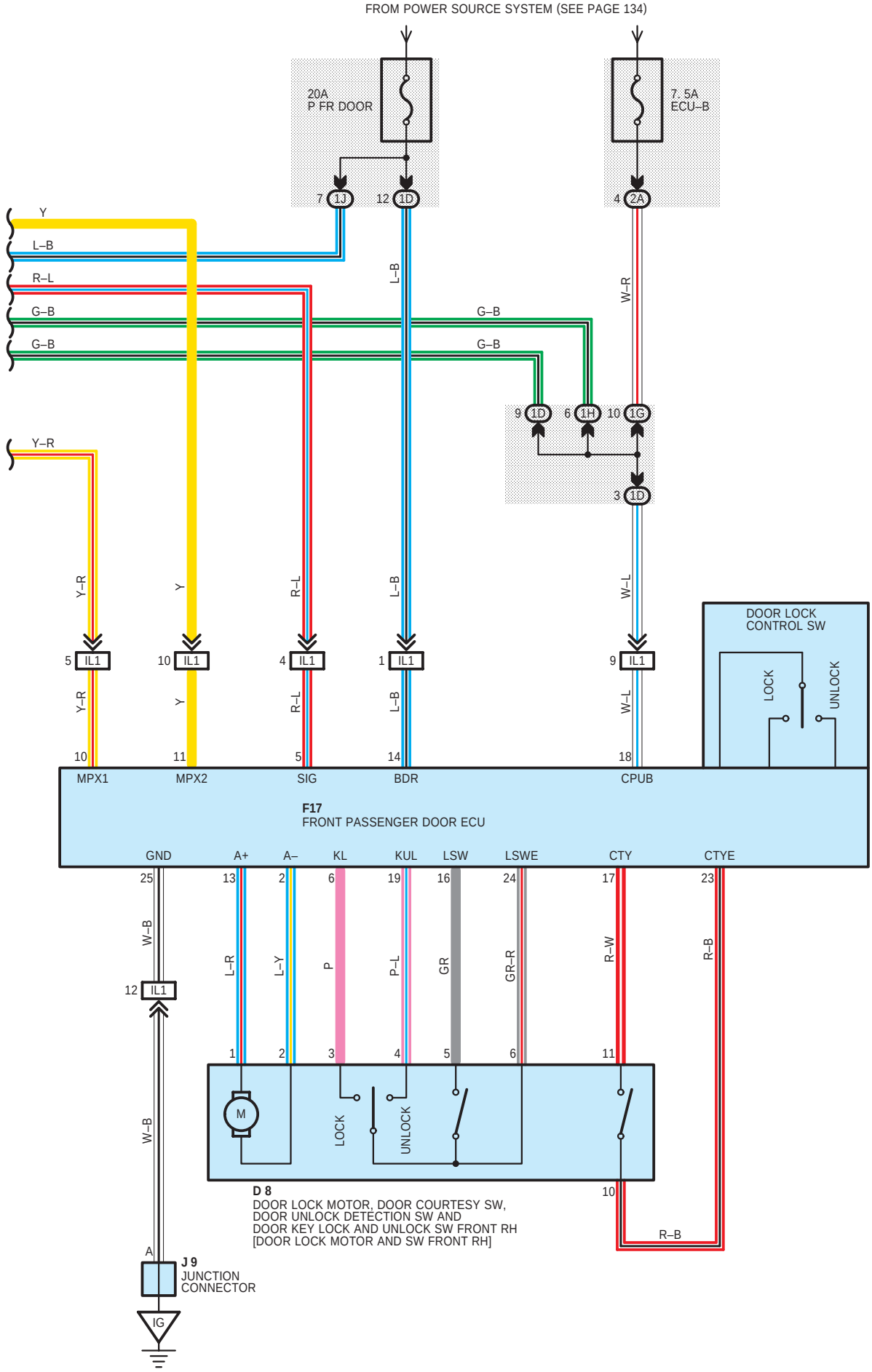

FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
FL DOOR
2 2A
Y
L–B
R–L
R–L
R–L
R–L
G–B
V
W–R
G–B
I 5
G–B
Y
G–B
I 4
G–B
11 IA2
V
18
11
MPX2
MPX1
E 9
ENGINE AND ECT
ECU
Y–R
R–L
L–B
G–B
V
5 IC1
4 IC1
9 IC2
9 IC1
10 IC1
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
11 A
8 B
+B1
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
MPX1
E
KSW
7 B
22 A
19 A
10
5
14
18
11
MPX1
SIG
BDR
CPUB
MPX2
D12
DRIVER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IC1
3
4
2
1
8
7
10
M
LOCK
UNLOCK
11
R–B
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]
Y–B
W–B
L
4 IE1
1
U 1
UNLOCK WARNING SW
Y–R
2
W–B
W–B
A
A
A
J 7
JUNCTION CONNECTOR
Y–R
W–B
IF
A
J 5
JUNCTION
CONNECTOR
IE

DOUBLE LOCKING (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P RR DOOR
8 1D
Y
L–B
R–L
R–L
G–B
G–B
Y
L–B
R–L
G–B
G–B
D11
DOUBLE LOCK DOOR CONTROL RELAY
CPUB
+B
MPX2
DLPR
DLPL
GND
6
1
10
5
11
12
G–B
L–W
Y
GR
GR–L
W–B
IM1
IM2
IM1
IM1
B11
B 6
B 8
BB1
BD1
BA1
R16
REAR DOOR RH ECU
MPX1
SIG
BDR
CPUB
MPX2
GND
SEL1
A+
A–
LSW
LSWE
CTY
CTYE
B 1
M
D10
DOUBLE LOCK MOTOR
AND POSITION SW
REAR RH
[DOOR LOCK MOTOR
AND SW REAR RH]
D 9
DOUBLE LOCK MOTOR
AND POSITION SW
REAR LH
[DOOR LOCK MOTOR
AND SW REAR LH]
TO REAR DOOR
RH ECU
TO REAR DOOR
LH ECU
J15
JUNCTION
CONNECTOR
BM
BK
D10
DOOR LOCK MOTOR AND
DOOR UNLOCK DETECTION
SW REAR RH [DOOR LOCK
MOTOR AND SW REAR RH]
L–R
L–B
GR
GR–R
R–Y
R–B

DOUBLE LOCKING (LHD)



SERVICE HINTS

D11 DOUBLE LOCK DOOR CONTROL RELAY

1–GROUND : Always approx. **12** volts
6–GROUND : Always approx. **12** volts
12–GROUND : Always continuity

D7 DOUBLE LOCK MOTOR FRONT LH

5–GROUND : Approx. **12** volts with the double lock motor at lock operate
12–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D8 DOUBLE LOCK MOTOR FRONT RH

8–GROUND : Approx. **12** volts with the double lock motor at lock operate
9–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D9 DOUBLE LOCK MOTOR REAR LH

4–GROUND : Approx. **12** volts with the double lock motor at lock operate
8–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D10 DOUBLE LOCK MOTOR REAR RH

7–GROUND : Approx. **12** volts with the double lock motor at lock operate
8–GROUND : Approx. **12** volts with the double lock motor at unlock operate

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5 A	92 (LHD)	D10	94 (LHD)	J7	93 (LHD)
B6 B	92 (LHD)	D11	94 (LHD)	J9	93 (LHD)
B7 C	92 (LHD)	D12	94 (LHD)	J14	94 (LHD)
B8 D	92 (LHD)	E9	92 (LHD)	J15	94 (LHD)
B9	94 (LHD)	F17	94 (LHD)	R14	95 (LHD)
B11	94 (LHD)	H9	93 (LHD)	R16	95 (LHD)
C12	92 (LHD)	I17	93 (LHD)	T4 A	93 (LHD)
D7	94 (LHD)	J3 B	93 (LHD)	T5 B	93 (LHD)
D8	94 (LHD)	J4 A	93 (LHD)	U1	93 (LHD)
D9	94 (LHD)	J5	93 (LHD)	W5	95 (LHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

DOUBLE LOCKING (LHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

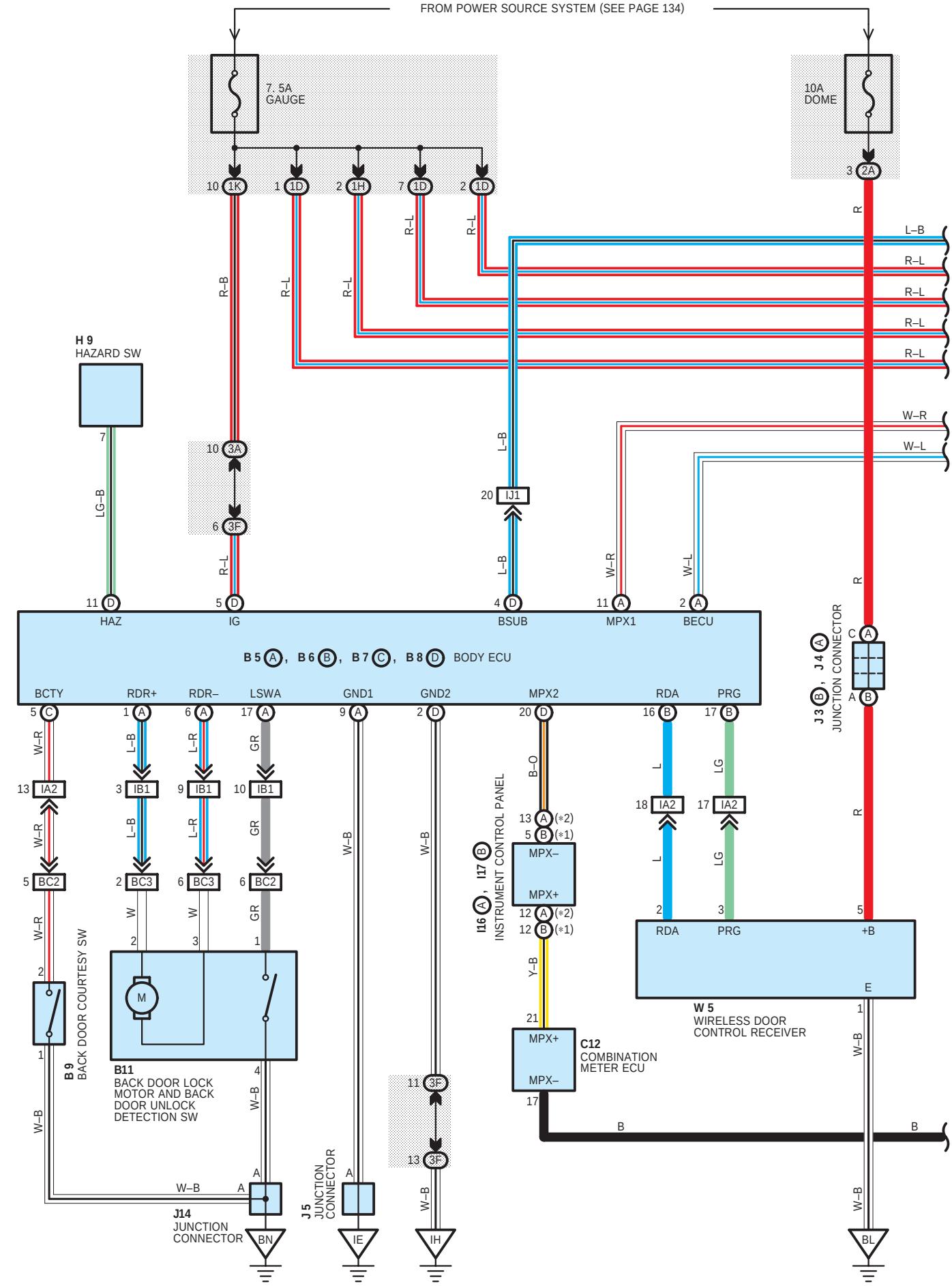
: GROUND POINTS

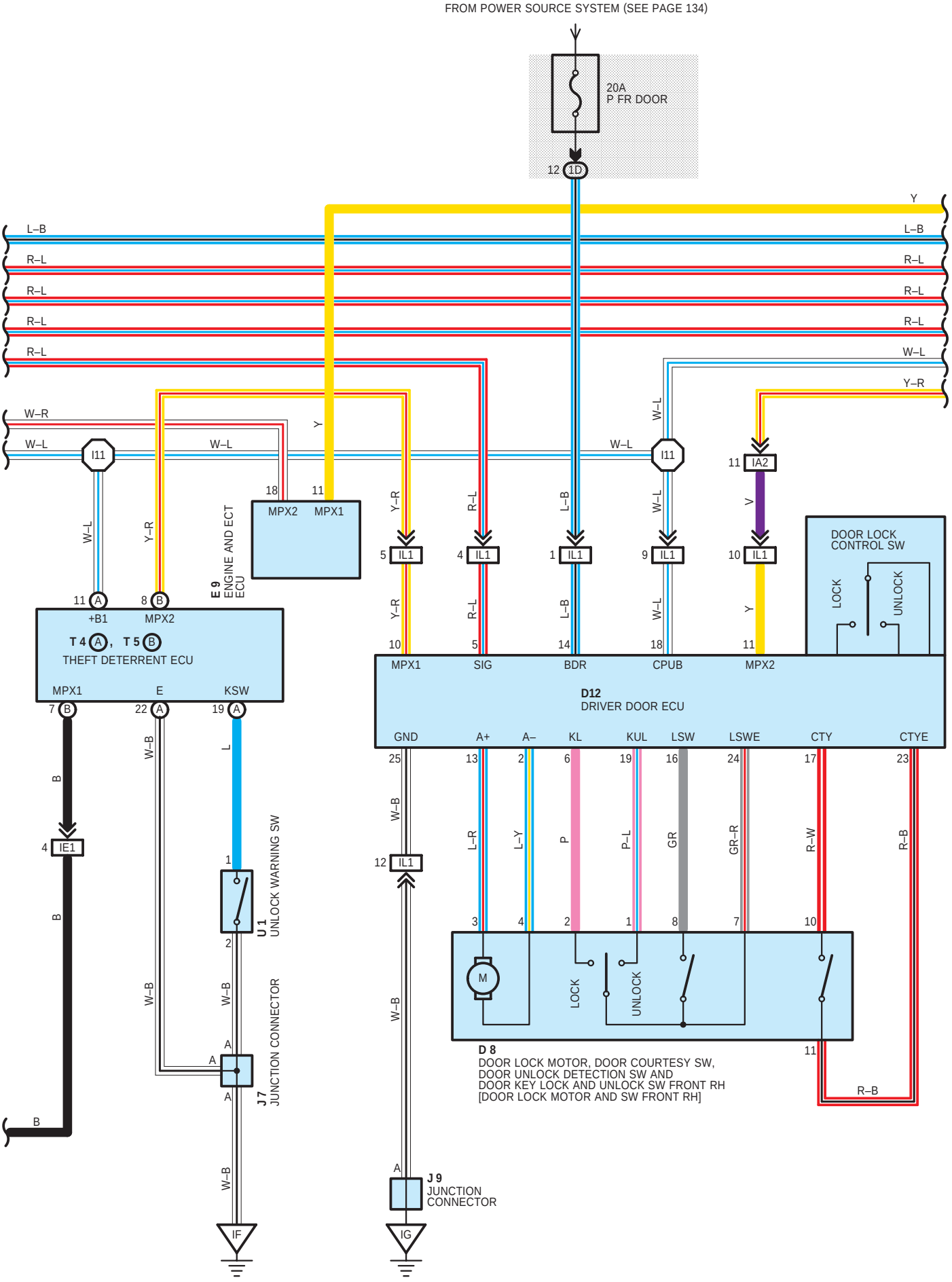
Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BL	112 (LHD)	Left Rear Quarter Panel
BM	112 (LHD)	Under the Rear RH Seat
BN	112 (LHD)	Back Panel Center

: SPLICE POINTS

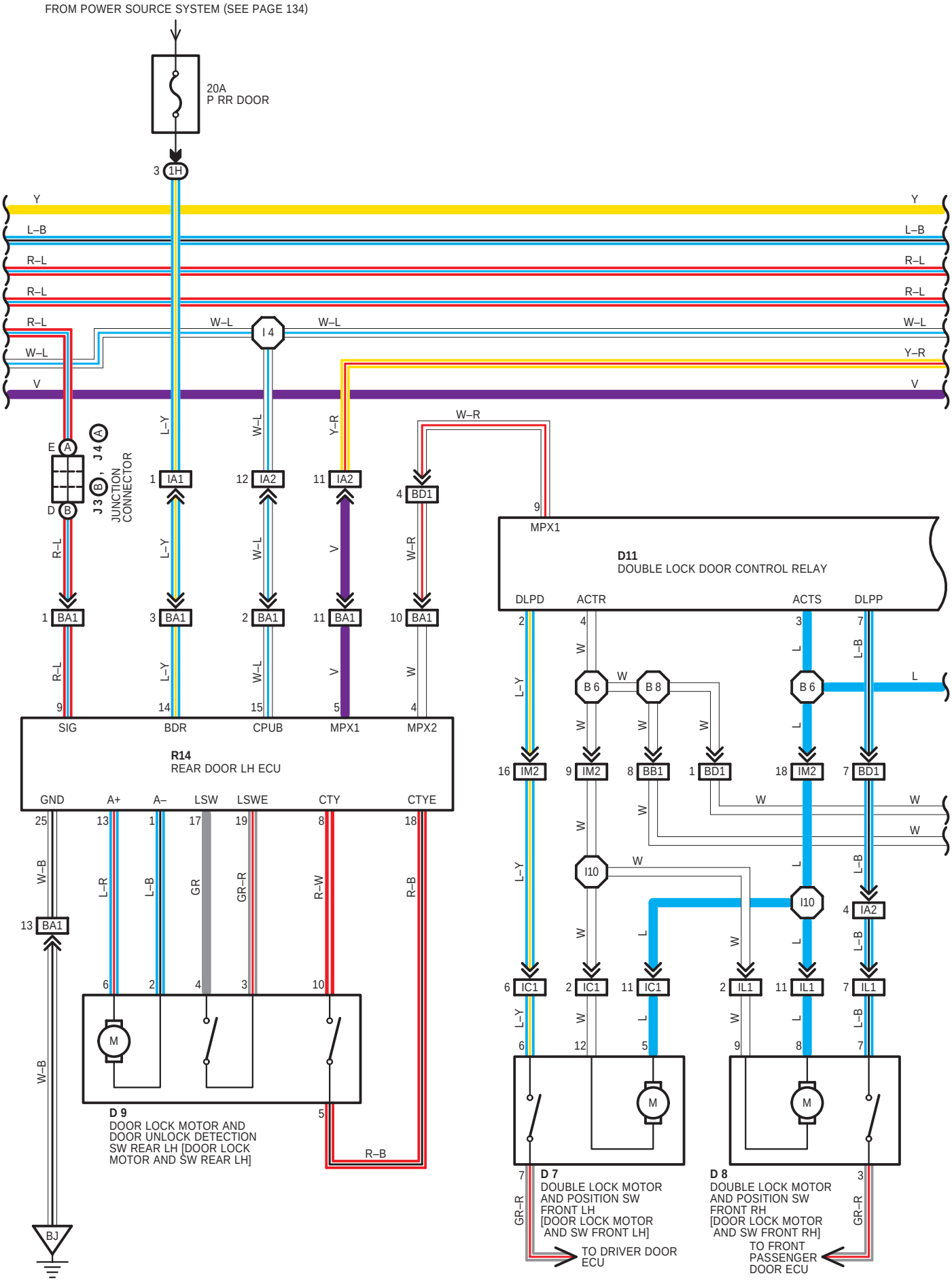
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire	B6	112 (LHD)	Floor Wire
I5			B8		
I12			B11		
B1	112 (LHD)	Rear Door RH Wire			

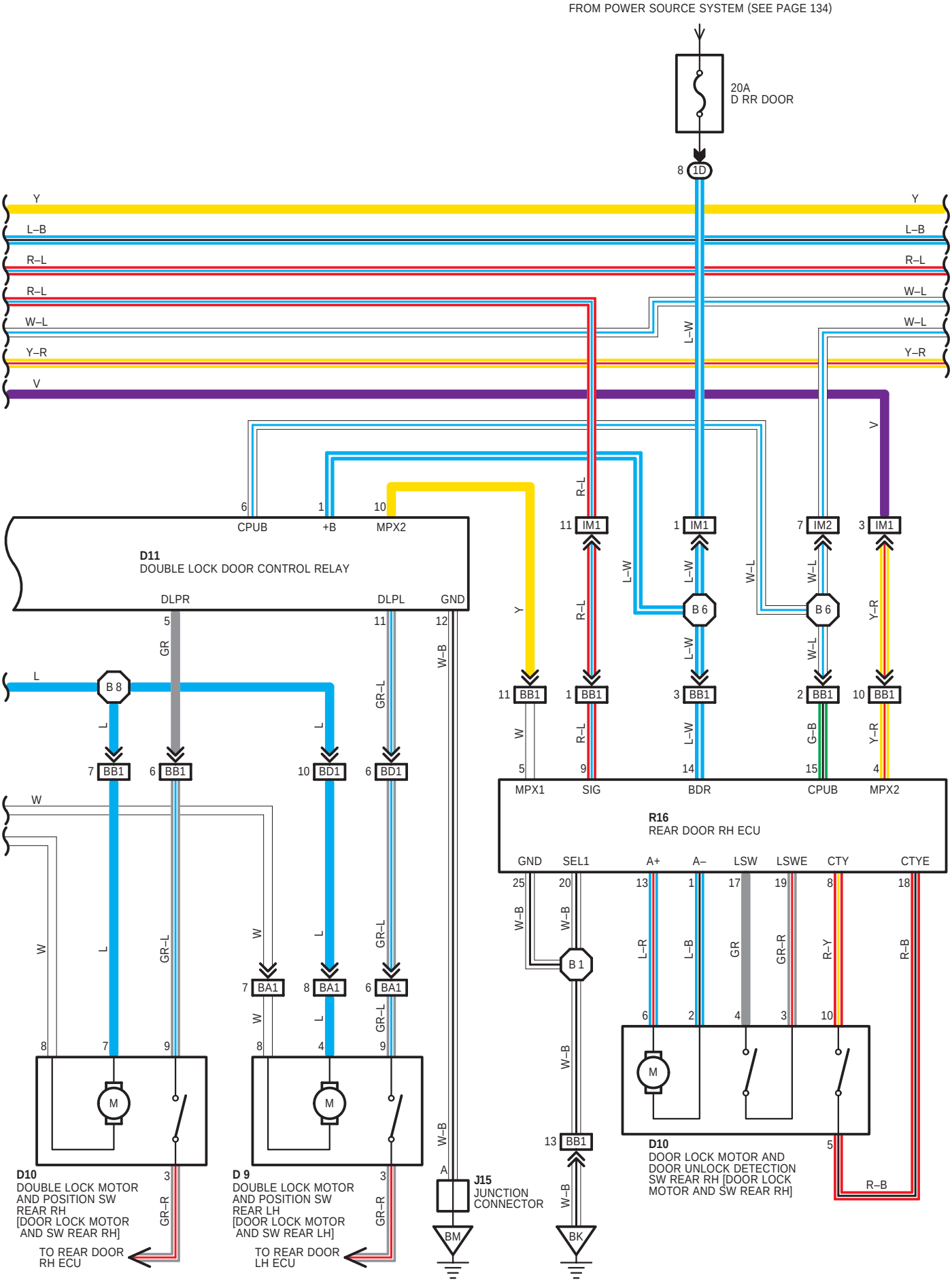
DOUBLE LOCKING (RHD)



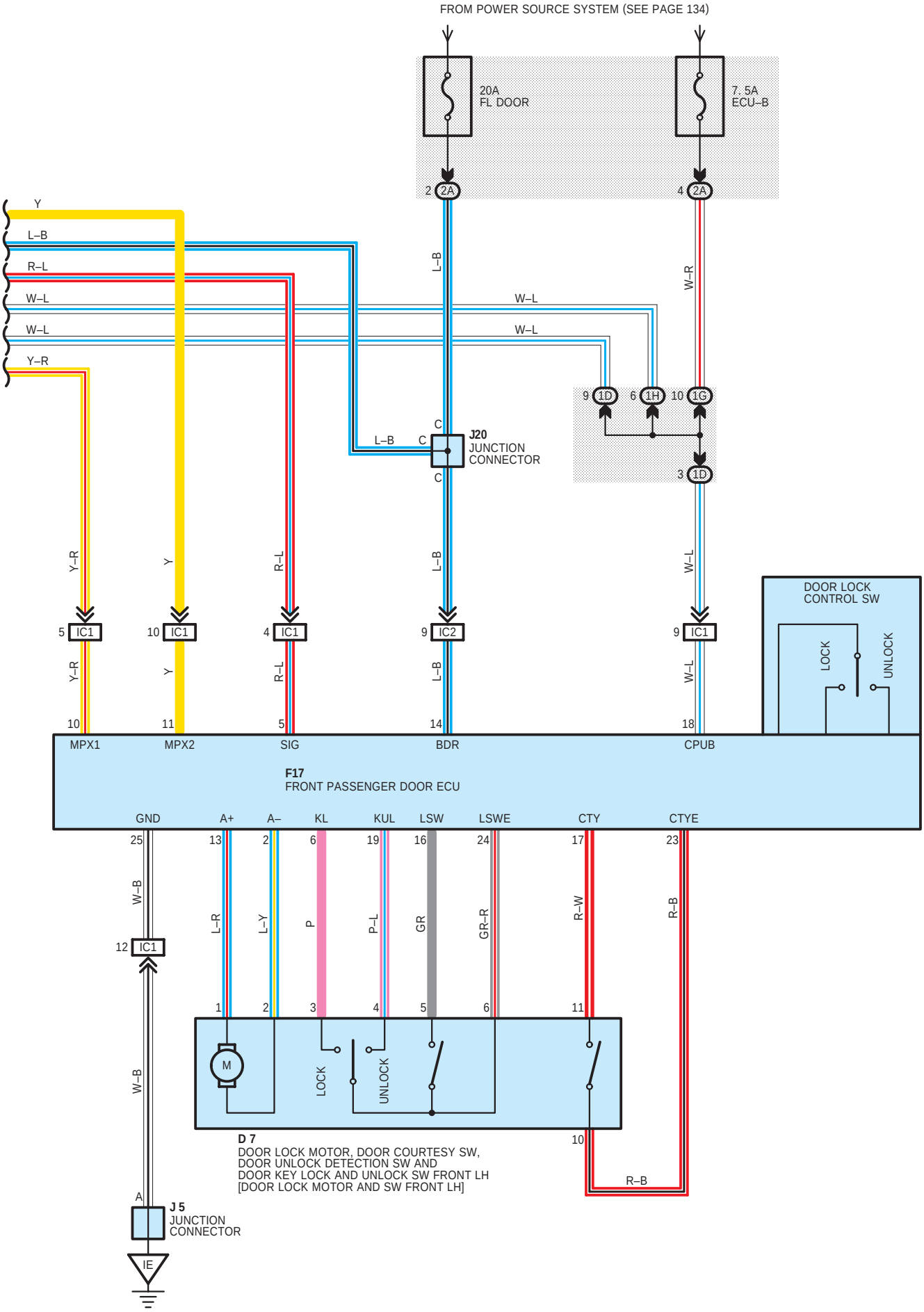

FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
P FR DOOR
12 1D
L–B
R–L
R–L
R–L
R–L
Y
L–B
R–L
R–L
R–L
W–L
Y–R
W–R
W–L
I11
W–L
Y
W–L
I11
W–L
I11
IA2
11
18
11
MPX2
MPX1
E 9
ENGINE AND ECT ECU
Y–R
R–L
L–B
W–L
V
5
IL1
4
IL1
1
IL1
9
IL1
10
IL1
DOOR LOCK CONTROL SW
LOCK
UNLOCK
11
A
8
B
+B1
MPX2
T 4 A , T 5 B
THEFT DETERRENT ECU
MPX1
E
KSW
7 B
22 A
19 A
Y–R
R–L
L–B
W–L
Y
10
5
14
18
11
MPX1
SIG
BDR
CPUB
MPX2
D12
DRIVER DOOR ECU
GND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
13
2
6
19
16
24
17
23
W–B
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
B
L
4 IE1
12 IL1
1
2
3
4
2
1
8
7
10
M
LOCK
UNLOCK
U 1
UNLOCK WARNING SW
W–B
W–B
W–B
A
A
A
J 7
JUNCTION CONNECTOR
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT RH
[DOOR LOCK MOTOR AND SW FRONT RH]
11
R–B
B
W–B
J 9
JUNCTION CONNECTOR
IF
IG

DOUBLE LOCKING (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
D RR DOOR
8 1D
Y
L–B
R–L
R–L
W–L
Y–R
V
L–W
D11
DOUBLE LOCK DOOR CONTROL RELAY
CPUB
+B
MPX2
DLPR
DLPL
GND
IM1
IM2
B 6
BB1
BD1
B 8
BA1
R16
REAR DOOR RH ECU
MPX1
SIG
BDR
CPUB
MPX2
GND
SEL1
A+
A–
LSW
LSWE
CTY
CTYE
B 1
M
D10
DOUBLE LOCK MOTOR AND POSITION SW REAR RH [DOOR LOCK MOTOR AND SW REAR RH]
TO REAR DOOR RH ECU
D 9
DOUBLE LOCK MOTOR AND POSITION SW REAR LH [DOOR LOCK MOTOR AND SW REAR LH]
TO REAR DOOR LH ECU
J15
JUNCTION CONNECTOR
BM
BK
D10
DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW REAR RH [DOOR LOCK MOTOR AND SW REAR RH]
R–B

DOUBLE LOCKING (RHD)



SERVICE HINTS

D11 DOUBLE LOCK DOOR CONTROL RELAY

1–GROUND : Always approx. **12** volts
6–GROUND : Always approx. **12** volts
12–GROUND : Always continuity

D7 DOUBLE LOCK MOTOR FRONT LH

5–GROUND : Approx. **12** volts with the double lock motor at lock operate
12–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D8 DOUBLE LOCK MOTOR FRONT RH

8–GROUND : Approx. **12** volts with the double lock motor at lock operate
9–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D9 DOUBLE LOCK MOTOR REAR LH

4–GROUND : Approx. **12** volts with the double lock motor at lock operate
8–GROUND : Approx. **12** volts with the double lock motor at unlock operate

D10 DOUBLE LOCK MOTOR REAR RH

7–GROUND : Approx. **12** volts with the double lock motor at lock operate
8–GROUND : Approx. **12** volts with the double lock motor at unlock operate

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B5	A	100 (RHD)	D11		102 (RHD)	J9		101 (RHD)
B6	B	100 (RHD)	D12		102 (RHD)	J14		102 (RHD)
B7	C	100 (RHD)	E9		100 (RHD)	J15		102 (RHD)
B8	D	100 (RHD)	F17		102 (RHD)	J20		101 (RHD)
B9		102 (RHD)	H9		101 (RHD)	R14		103 (RHD)
B11		102 (RHD)	I16	A	101 (RHD)	R16		103 (RHD)
C12		100 (RHD)	I17	B	101 (RHD)	T4	A	101 (RHD)
D7		102 (RHD)	J3	B	101 (RHD)	T5	B	101 (RHD)
D8		102 (RHD)	J4	A	101 (RHD)	U1		101 (RHD)
D9		102 (RHD)	J5		101 (RHD)	W5		103 (RHD)
D10		102 (RHD)	J7		101 (RHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		
1H		
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		

DOUBLE LOCKING (RHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IA2		
IB1	118 (RHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IC2		
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IM2		
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC2	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BC3		
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

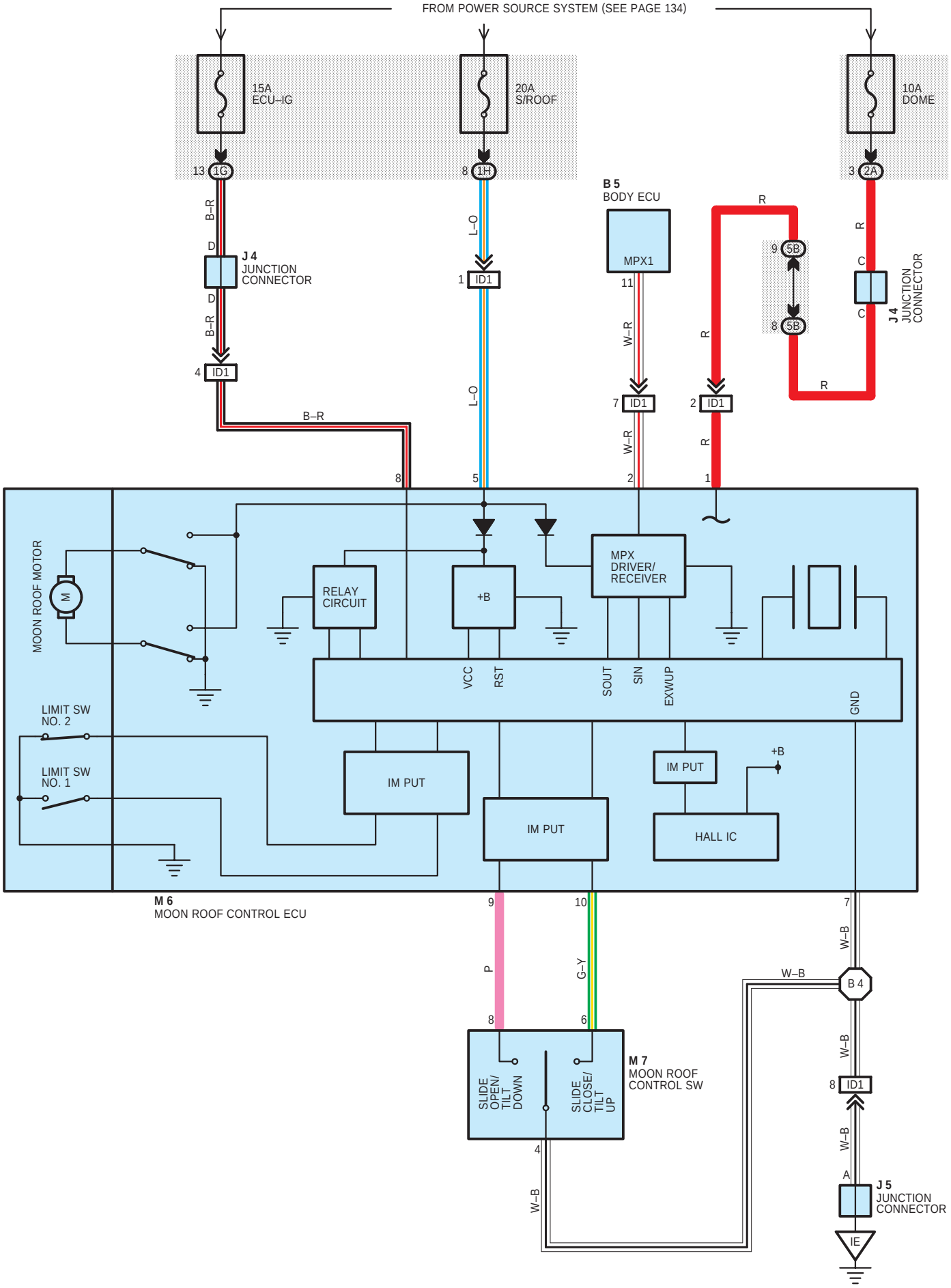
: GROUND POINTS

Code	See Page	Ground Points Location
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BL	122 (RHD)	Left Rear Quarter Panel
BM	122 (RHD)	Under the Rear RH Seat
BN	122 (RHD)	Back Panel Center

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	120 (RHD)	Cowl Wire	B1	122 (RHD)	Rear Door RH Wire
I10			B6	122 (RHD)	Floor Wire
I11			B8		

MOON ROOF


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A
ECU–IG
20A
S/ROOF
10A
DOME
13 1G
8 1H
3 2A
B–R
D
J 4
JUNCTION
CONNECTOR
D
B–R
4 ID1
L–O
1 ID1
L–O
B 5
BODY ECU
MPX1
11
W–R
7 ID1
W–R
2
R
2 ID1
1
R
9 5B
8 5B
R
R
C
C
J 4
JUNCTION
CONNECTOR
B–R
8
5
MOON ROOF MOTOR
M
LIMIT SW
NO. 2
LIMIT SW
NO. 1
RELAY
CIRCUIT
+B
MPX
DRIVER/
RECEIVER
VCC
RST
SOUT
SIN
EXWUP
GND
IM PUT
IM PUT
IM PUT
+B
HALL IC
M 6
MOON ROOF CONTROL ECU
9
P
8
10
G–Y
6
7
W–B
W–B
B 4
W–B
8 ID1
W–B
A
J 5
JUNCTION
CONNECTOR
IE
M 7
MOON ROOF
CONTROL SW
SLIDE
OPEN/
TILT
DOWN
SLIDE
CLOSE/
TILT
UP
4
W–B

SYSTEM OUTLINE

In this system, the HALL IC in the moon roof control ECU detects the changes in motor rotation, and allows opening/closing, tilting up/down of the moon roof by one touch operation. In addition, catching prevention function during moon roof operation is also provided. Voltage is constantly applied from S/ROOF fuse to TERMINAL 5 of the moon roof control ECU, and from DOME fuse to TERMINAL 1 of the moon roof control ECU. When the ignition SW is turned on, the current flows from ECU–IG fuse to TERMINAL 8 of the moon roof control ECU.

1. SLIDE OPEN OPERATION

When the moon roof is fully closed (Limit SW No.1 off, limit SW No.2 on), and the moon roof control SW is kept pressed to OPEN position for approximately 0.3 seconds or longer, a signal is input from TERMINAL 8 of the moon roof control SW to TERMINAL 9 of the moon roof control ECU. This activates the relay and rotates the motor to open the moon roof automatically. Then, when the limit SW No.1 is turned on and then turned off again, the pulse signal sent from the HALL IC activates the relay, and if the pulse signal is not input for 0.5 seconds or longer, it determines that the moon roof is fully open, and stops the motor. If other operation SW or the open SW is operated while the moon roof is being opened, the relay is activated to stop the moon roof operation. In addition, when the moon roof is tilted up, the slide open operation does not function.

2. SLIDE CLOSE OPERATION

When the moon roof is fully opened (Limit SW No.1 off, limit SW No.2 off), and the moon roof control SW is kept pressed to CLOSE position for approximately 0.3 seconds or longer, a signal is input from TERMINAL 6 of the moon roof control SW to TERMINAL 10 of the moon roof control ECU. This activates the relay and rotates the motor to close the moon roof automatically. Then, when the limit SW No.2 is turned on, the pulse signal sent from the HALL IC activates the relay, and determines that the moon roof is closed fully, and stops the motor. If other operation SW or the close SW is operated while the moon roof is being closed, the relay is activated to stop the moon roof operation.

3. TILT UP OPERATION

When the moon roof is fully closed (Limit SW No.1 off, limit SW No.2 on), and the moon roof control SW is kept pressed to UP position for approximately 0.3 seconds or longer, a signal is input from TERMINAL 6 of the moon roof control SW to TERMINAL 10 of the moon roof control ECU. This activates the relay and rotates the motor to tilt up the moon roof automatically. If the pulse signal is not input from the HALL IC for 0.5 seconds or longer, it determines that the moon roof is fully tilted up, and stops the motor. If other operation SW or the tilt up SW is operated while the moon roof is being tilted up, the relay is activated to stop the moon roof operation. In addition, when the moon roof is opened, the tilt up operation does not function.

4. TILT DOWN OPERATION

When the moon roof is fully tilted up (Limit SW No.1 on, limit SW No.2 on). and the moon roof control SW is kept pressed to DOWN position for approximately 0.3 seconds or longer, a signal is input from TERMINAL 8 of the moon roof control SW to TERMINAL 9 of the moon roof control ECU. This activates the relay and rotates the motor to tilt down the moon roof automatically. Then, when the limit SW No.1 is turned off, the pulse signal sent from the HALL IC activates the relay, and determines that the moon roof is closed fully, and stops the motor. If other operation SW or the tilt down SW is operated while the moon roof is being tilted down, the relay is activated to stop the moon roof operation.

5. CATCHING PREVENTION FUNCTION

During slide close or tilt down operation, if the relay detects a catching load from the changes in the rotation of the motor, the operation is stopped, and the motor is rotated in the reverse direction.

* Slide Close Operation
  The moon roof is moved approximately 200 mm in the reverse direction (Slide open) after a catching load has been detected. However, if the full open position is detected before moving approximately 200 mm, the reverse movement is stopped.
* Tilt Down Operation
  If a catching load is detected, the moon roof is moved in the reverse direction until fully tilted up.

6. KEY OFF MOON ROOF OPERATION

Within approximately 45 sec. after the ignition SW is turned from on to off, the moon roof can be operated. However, if the driver or front passenger door is opened during this period of time, the moon roof operation is stopped even through 45 sec. have not elapsed.

7. MOON ROOF OPERATION LINKED WITH TRANSMITTER

When the unlock SW of the ignition key transmitter is kept pressed for 1.5 seconds or longer, the slide open/tilt up operation of the moon roof functions, through communication control.

8. MOON ROOF OPERATION LINKED WITH DOOR KEY LOCK AND UNLOCK SW

When the ignition key is inserted into the driver door key cylinder and kept turned to lock or unlock position for 1.5 seconds or longer, the slide open/close operation of the moon roof functions, through communication control.

9. FAIL–SAFE FUNCTION

If the moon roof is operated continuously in the same direction, the current flowing to the motor is cut off when the time shown below has elapsed after the motor operation has been started.

- Slide open/ close operation by the moon roof SW Approximately 20 sec.
- Tilt up/down operation by the moon roof SW Approximately 2 sec.
- Slide open operation for reverse movement in case of catching prevention function Approximately 20 sec.
- Tilt up operation for reverse movement in case of catching prevention function Approximately 2 sec.

SERVICE HINTS

M6 MOON ROOF CONTROL ECU

1–GROUND : Always approx. **12** volts
5–GROUND : Always approx. **12** volts
8–GROUND : Approx. **12** volts with the ignition SW at **ON** position
7–GROUND : Always continuity

M7 MOON ROOF CONTROL SW

8–4 : Closed with the moon roof control SW at **SLIDE OPEN** or **TILT DOWN** position
6–4 : Closed with the moon roof control SW at **SLIDE CLOSE** or **TILT UP** position
4–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B5	92 (LHD)	J5	93 (LHD)	M7	94 (LHD)
	100 (RHD)		101 (RHD)		102 (RHD)
J4	93 (LHD)	M6	94 (LHD)		
	101 (RHD)		102 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	108 (LHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
	118 (RHD)	

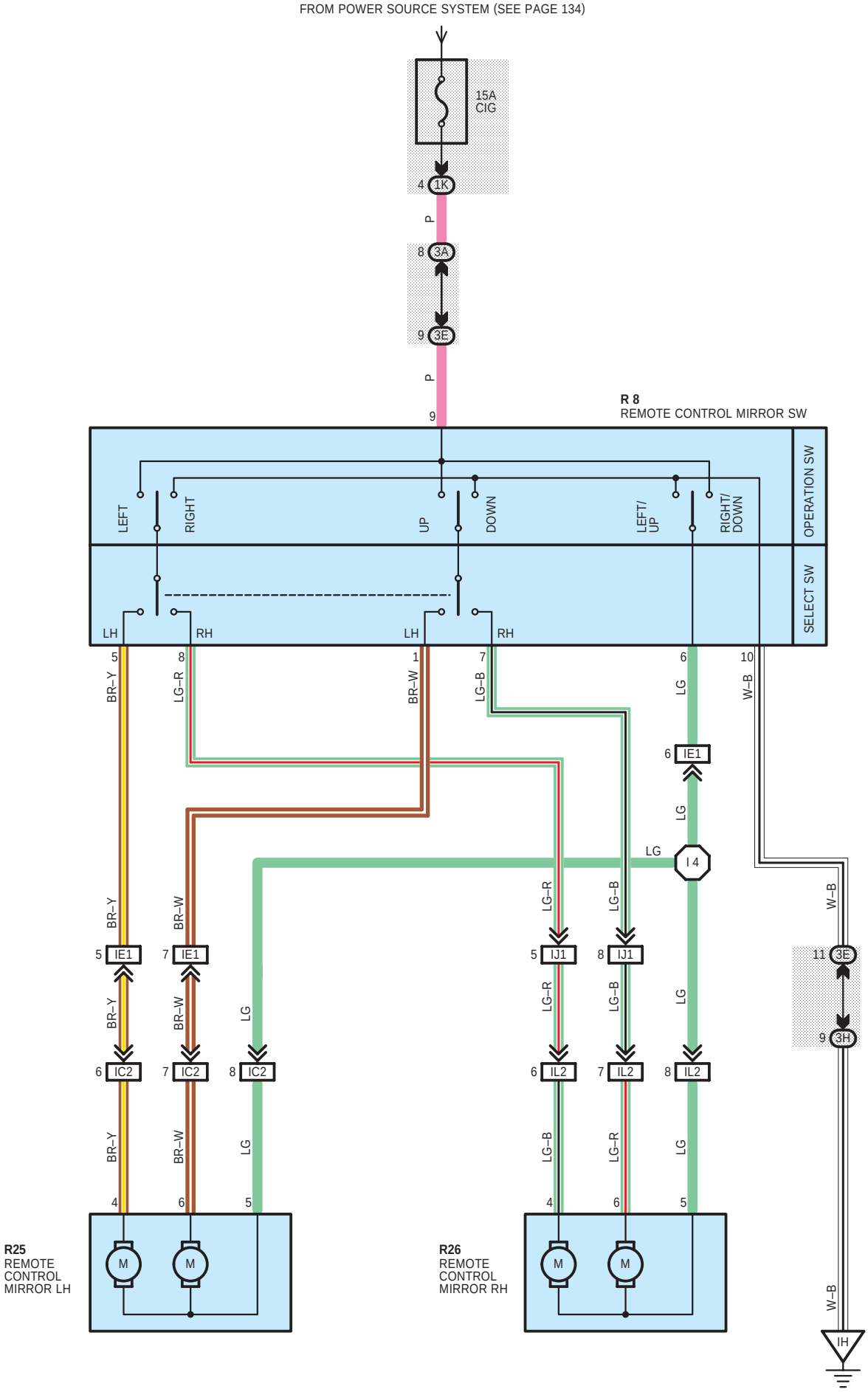
: GROUND POINTS

Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
	118 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B4	112 (LHD)	Roof Wire	B4	122 (RHD)	Roof Wire

REMOTE CONTROL MIRROR (LHD)



SERVICE HINTS

R8 REMOTE CONTROL MIRROR SW

6–10 : Continuity with the operation SW at **UP** or **LEFT** position
9–6 : Continuity with the operation SW at **DOWN** or **RIGHT** position
9–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
10–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
R8	93 (LHD)	R25	95 (LHD)	R26	95 (LHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
3H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL2	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)

: GROUND POINTS

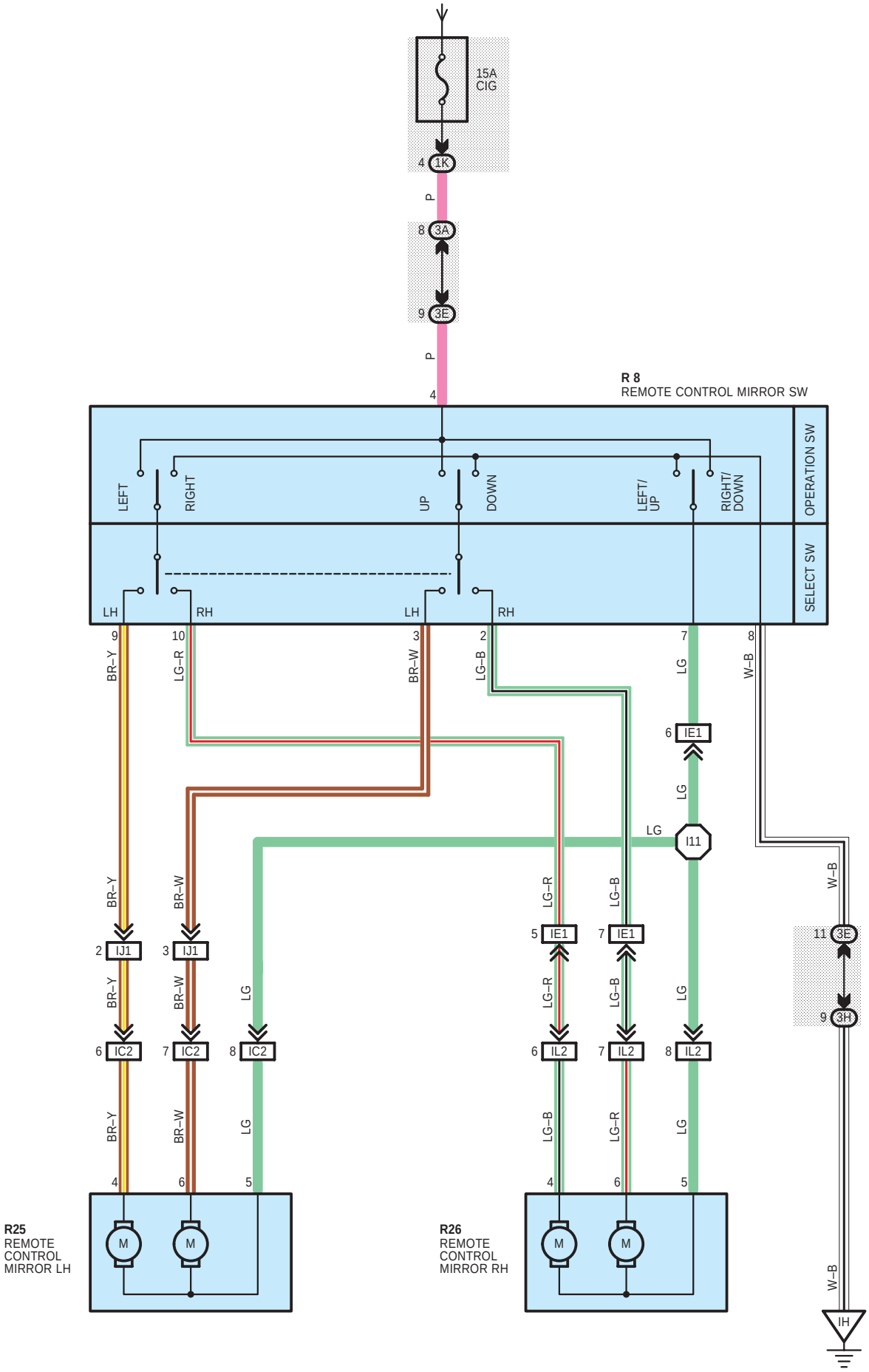
Code	See Page	Ground Points Location
IH	108 (LHD)	Instrument Panel Brace RH

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire			

REMOTE CONTROL MIRROR (RHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



SERVICE HINTS

R8 REMOTE CONTROL MIRROR SW

7–8 : Continuity with the operation SW at **UP** or **LEFT** position
4–7 : Continuity with the operation SW at **DOWN** or **RIGHT** position
4–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
8–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
R8	101 (RHD)	R25	103 (RHD)	R26	103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
3H		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL2	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)

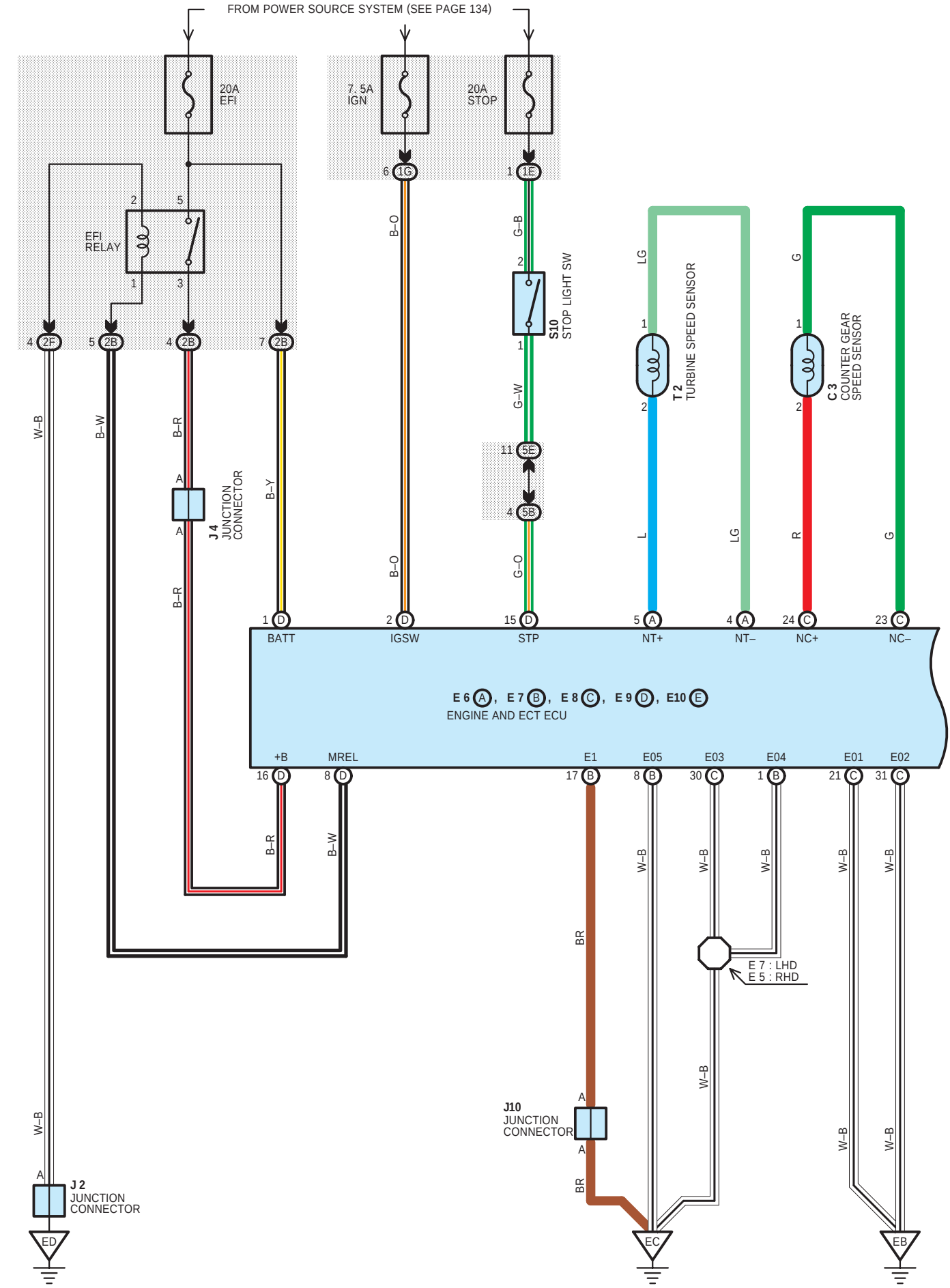
: GROUND POINTS

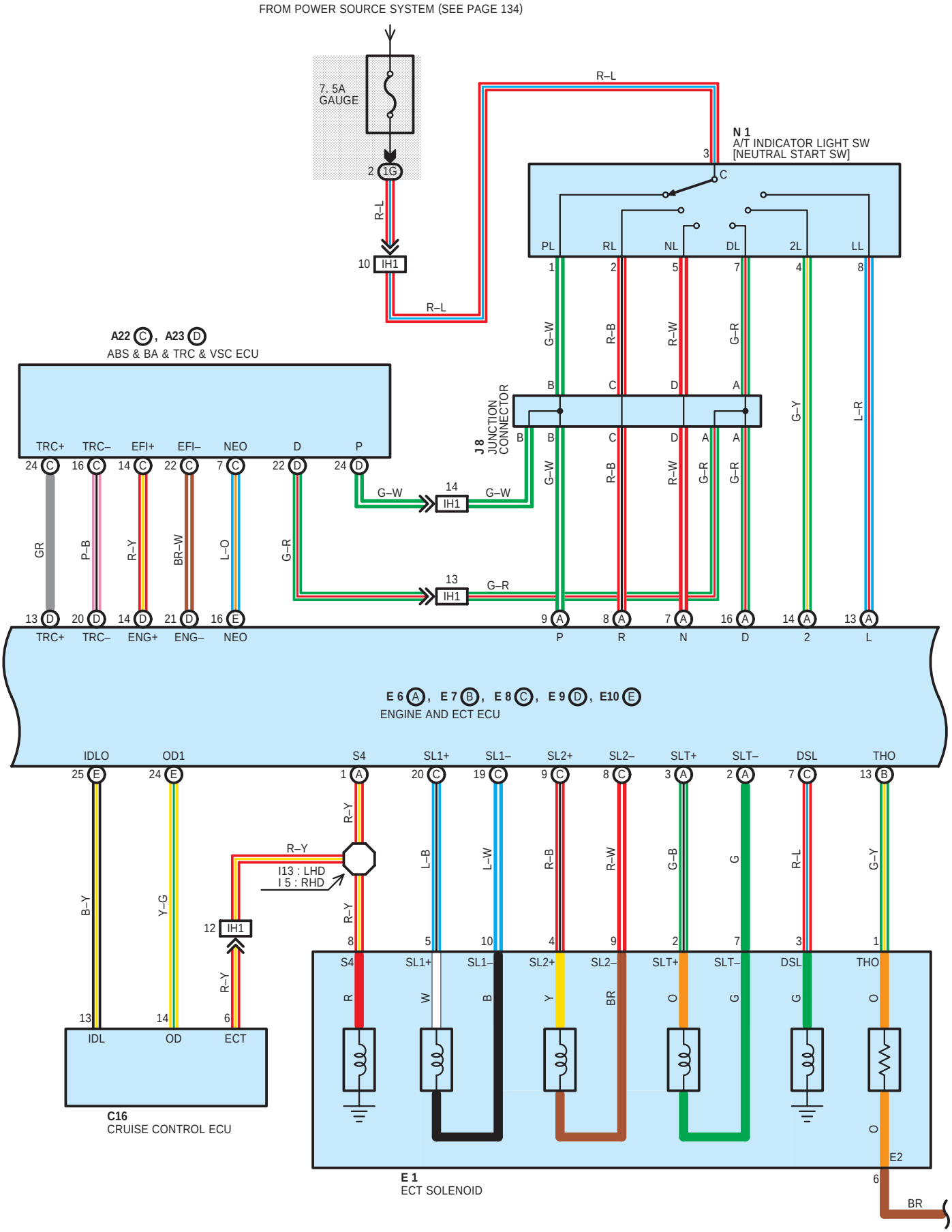
Code	See Page	Ground Points Location
IH	118 (RHD)	Instrument Panel Brace RH

: SPLICE POINTS

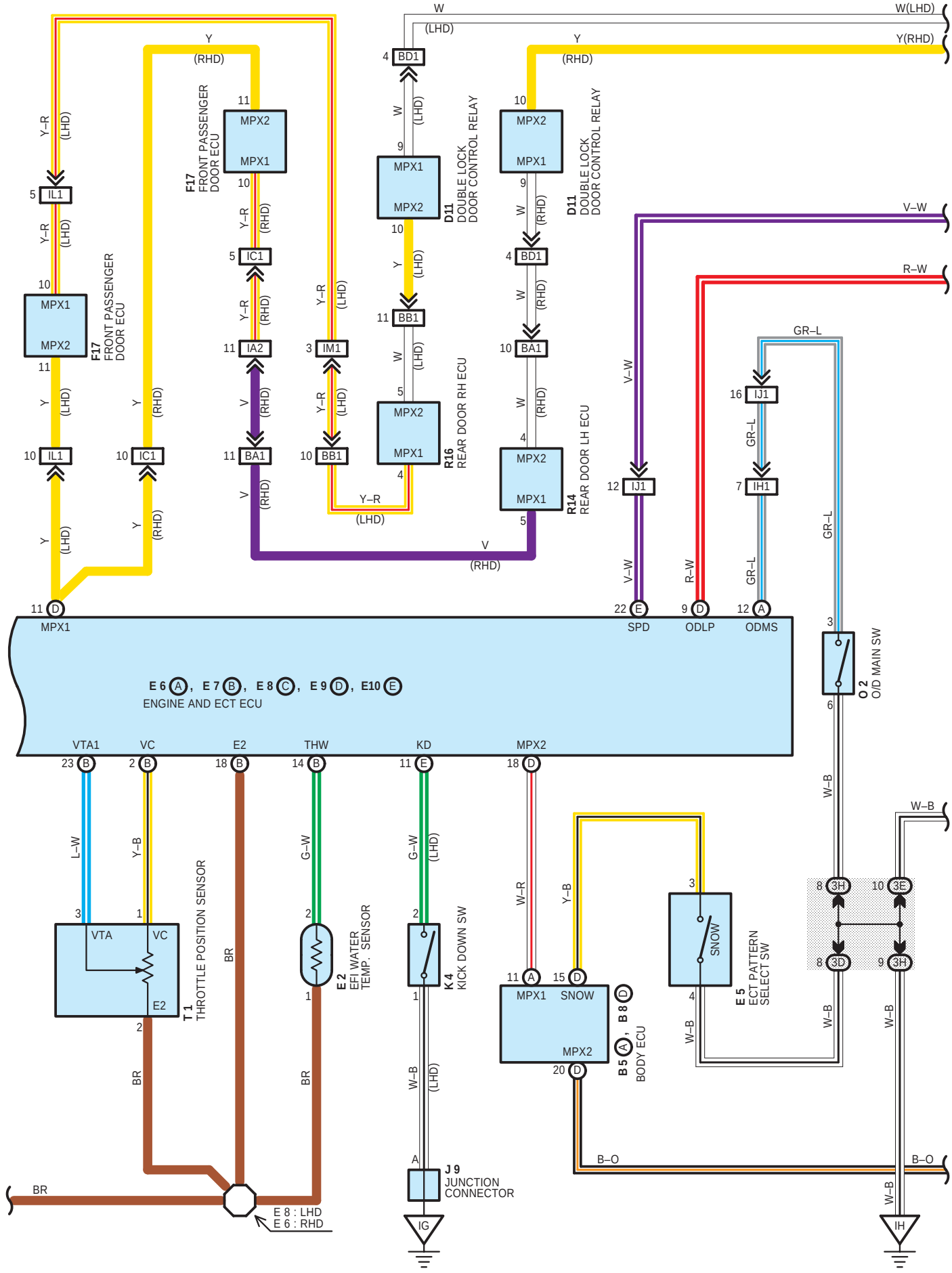
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I11	120 (RHD)	Cowl Wire			

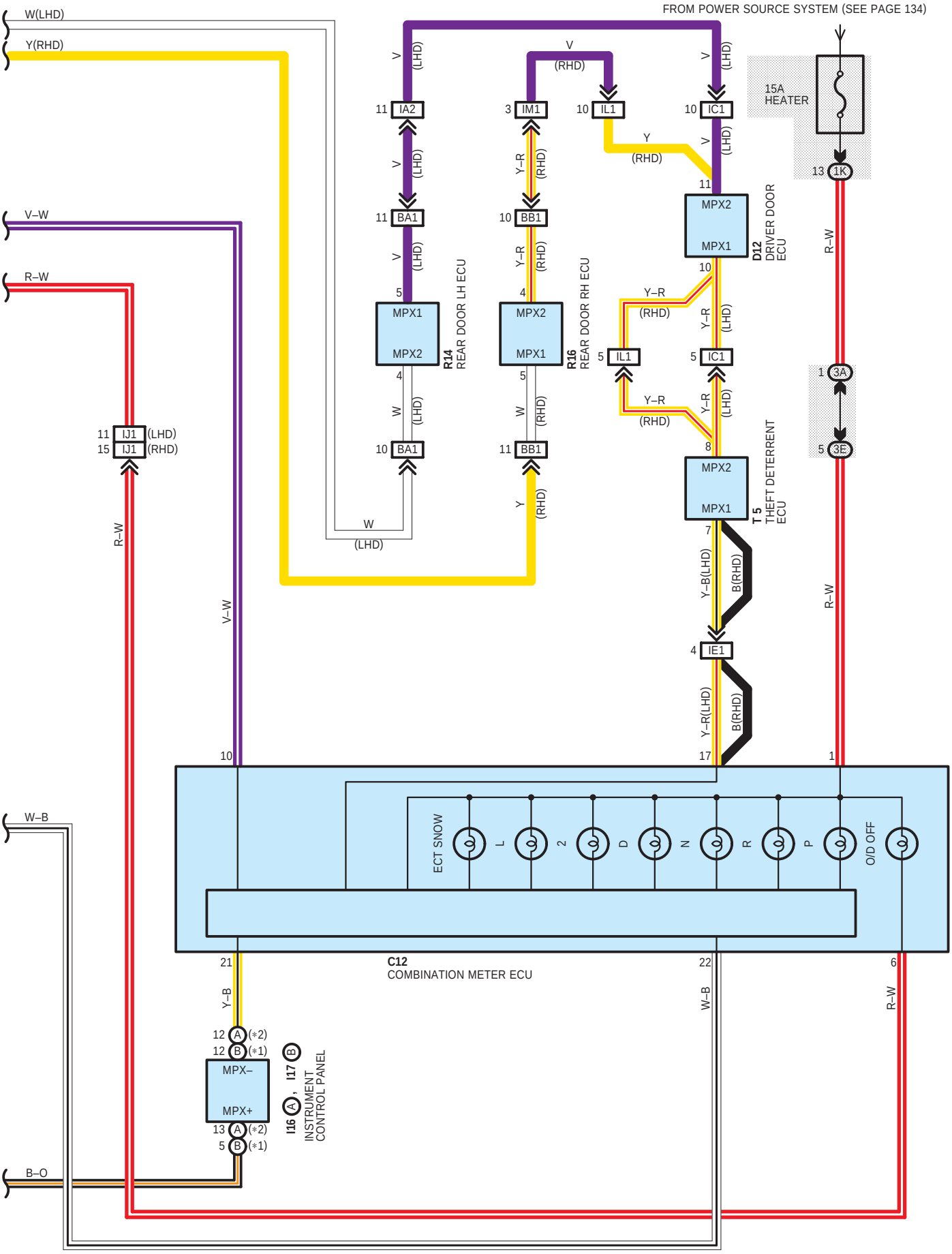
ECT AND A/T INDICATOR




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A GAUGE
2 1G
R–L
10 IH1
N 1
A/T INDICATOR LIGHT SW [NEUTRAL START SW]
3 C
PL RL NL DL 2L LL
1 2 5 7 4 8
A22 C, A23 D
ABS & BA & TRC & VSC ECU
TRC+ TRC– EFI+ EFI– NEO D P
24 16 14 22 7 22 24
J8 JUNCTION CONNECTOR
B C D A
G–W R–B R–W G–R G–Y L–R
14 IH1
13 IH1
GR P–B R–Y BR–W L–O G–R
13 20 14 21 16 9 8 7 16 14 13
TRC+ TRC– ENG+ ENG– NEO P R N D 2 L
E 6 A, E 7 B, E 8 C, E 9 D, E10 E
ENGINE AND ECT ECU
IDLO OD1 S4 SL1+ SL1– SL2+ SL2– SLT+ SLT– DSL THO
25 24 1 20 19 9 8 3 2 7 13
B–Y Y–G R–Y L–B L–W R–B R–W G–B G R–L G–Y
12 IH1
I13 : LHD
I 5 : RHD
13 14 6
IDL OD ECT
C16
CRUISE CONTROL ECU
8 5 10 4 9 2 7 3 1
S4 SL1+ SL1– SL2+ SL2– SLT+ SLT– DSL THO
R W B Y BR O G G O O
E2
6
E 1
ECT SOLENOID
BR

ECT AND A/T INDICATOR




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
W(LHD)
Y(RHD)
V–W
R–W
W–B
B–O
15A HEATER
13 1K
R–W
11 IA2
V (LHD)
11 BA1
V (LHD)
5 MPX1
MPX2
R14 REAR DOOR LH ECU
4
W (LHD)
10 BA1
W (LHD)
3 IM1
V (RHD)
10 IL1
Y (RHD)
10 BB1
Y–R (RHD)
4 MPX2
MPX1
R16 REAR DOOR RH ECU
5
Y (RHD)
11 BB1
10 IC1
V (LHD)
11 MPX2
MPX1
D12 DRIVER DOOR ECU
10
Y–R (RHD)
5 IL1
Y–R (RHD)
Y–R (LHD)
5 IC1
Y–R (LHD)
8 MPX2
MPX1
T5 THEFT DETERRENT ECU
7
Y–B(LHD)
B(RHD)
4 IE1
Y–R(LHD)
B(RHD)
17
11 IJ1 (LHD)
15 IJ1 (RHD)
R–W
V–W
10
1 3A
5 3E
R–W
1
ECT SNOW
L
2
D
N
R
P
O/D OFF
C12
COMBINATION METER ECU
21
Y–B
22
W–B
6
R–W
12 A (*2)
12 B (*1)
MPX–
MPX+
13 A (*2)
5 B (*1)
I16 A, I17 B
INSTRUMENT CONTROL PANEL

ECT AND A/T INDICATOR

SYSTEM OUTLINE

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. GEAR SHIFT OPERATION

During driving the engine warm up condition signal is input from EFI water temp. sensor to TERMINAL THW of the engine and ECT ECU, and the vehicle speed signal is input from the ABS speed sensor to ABS & BA & TRC & VSC ECU, and are sent to the engine and ECT ECU through communication control. At the same time, the throttle valve opening signal is sent from the throttle position sensor to the TERMINAL VTA1 of the engine and ECT ECU, as the throttle angle signal.

2. LOCK–UP OPERATION

When the engine and ECT ECU decides based on each signal that the lock–up condition has been met, the current flows through TERMINAL DSL of the engine and ECT ECU to TERMINAL 3 of the ECT solenoid to GROUND.

3. STOP LIGHT SW CIRCUIT

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

SERVICE HINTS

E5 ECT PATTERN SELECT SW

3–4 : Only closed with the select SW at **SNOW** position

E6 (A), E7 (B), E8 (C), E9 (D), E10 (E) ENGINE AND ECT ECU

BATT–E1 : Always approx. **12** volts
+B–E1 : Approx. **12** volts with the ignition SW **ON** or **ST** position
MREL–E1 : Approx. **12** volts with the ignition SW **ON** or **ST** position

N1 A/T INDICATOR SW [NEUTRAL START SW]

3–1 : Closed with the shift lever in **P** position
3–2 : Closed with the shift lever in **R** position
3–5 : Closed with the shift lever in **N** position
3–7 : Closed with the shift lever in **D** position
3–4 : Closed with the shift lever in **2** position
3–8 : Closed with the shift lever in **L** position

: PARTS LOCATION

Code		See Page
A22	C	92 (LHD)
		100 (RHD)
A23	D	92 (LHD)
		100 (RHD)
B5	A	92 (LHD)
		100 (RHD)
B8	D	92 (LHD)
		100 (RHD)
C3		90 (LHD)
		98 (RHD)
C12		92 (LHD)
		100 (RHD)
C16		92 (LHD)
		100 (RHD)
D11		94 (LHD)
		102 (RHD)
D12		94 (LHD)
		102 (RHD)
E1		90 (LHD)
		98 (RHD)
E2		90 (LHD)
		98 (RHD)
E5		92 (LHD)
		100 (RHD)
E6	A	92 (LHD)
		100 (RHD)
E7	B	92 (LHD)
		100 (RHD)
E8	C	92 (LHD)
		100 (RHD)
E9	D	92 (LHD)
		100 (RHD)
E10	E	92 (LHD)
		100 (RHD)
F17		94 (LHD)
		102 (RHD)
I16	A	101 (RHD)
I17	B	93 (LHD)
		101 (RHD)
J2		91 (LHD)
		99 (RHD)
J4		93 (LHD)
		101 (RHD)
J8		93 (LHD)
		101 (RHD)
J9		93 (LHD)
		101 (RHD)
J10		93 (LHD)
		101 (RHD)
K4		93 (LHD)
N1		91 (LHD)
		99 (RHD)
O2		93 (LHD)
		101 (RHD)
R14		95 (LHD)
		103 (RHD)
R16		95 (LHD)
		103 (RHD)
S10		93 (LHD)
		101 (RHD)
T1		91 (LHD)
		99 (RHD)
T2		91 (LHD)
		99 (RHD)
T5		93 (LHD)
		101 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1G	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2B	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3E		
3H		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

ECT AND A/T INDICATOR

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	108 (LHD) 118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	108 (LHD) 118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	108 (LHD) 118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IH1	110 (LHD) 120 (RHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
IJ1	110 (LHD) 120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD) 120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD) 120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BA1	112 (LHD) 122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD) 122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD) 122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

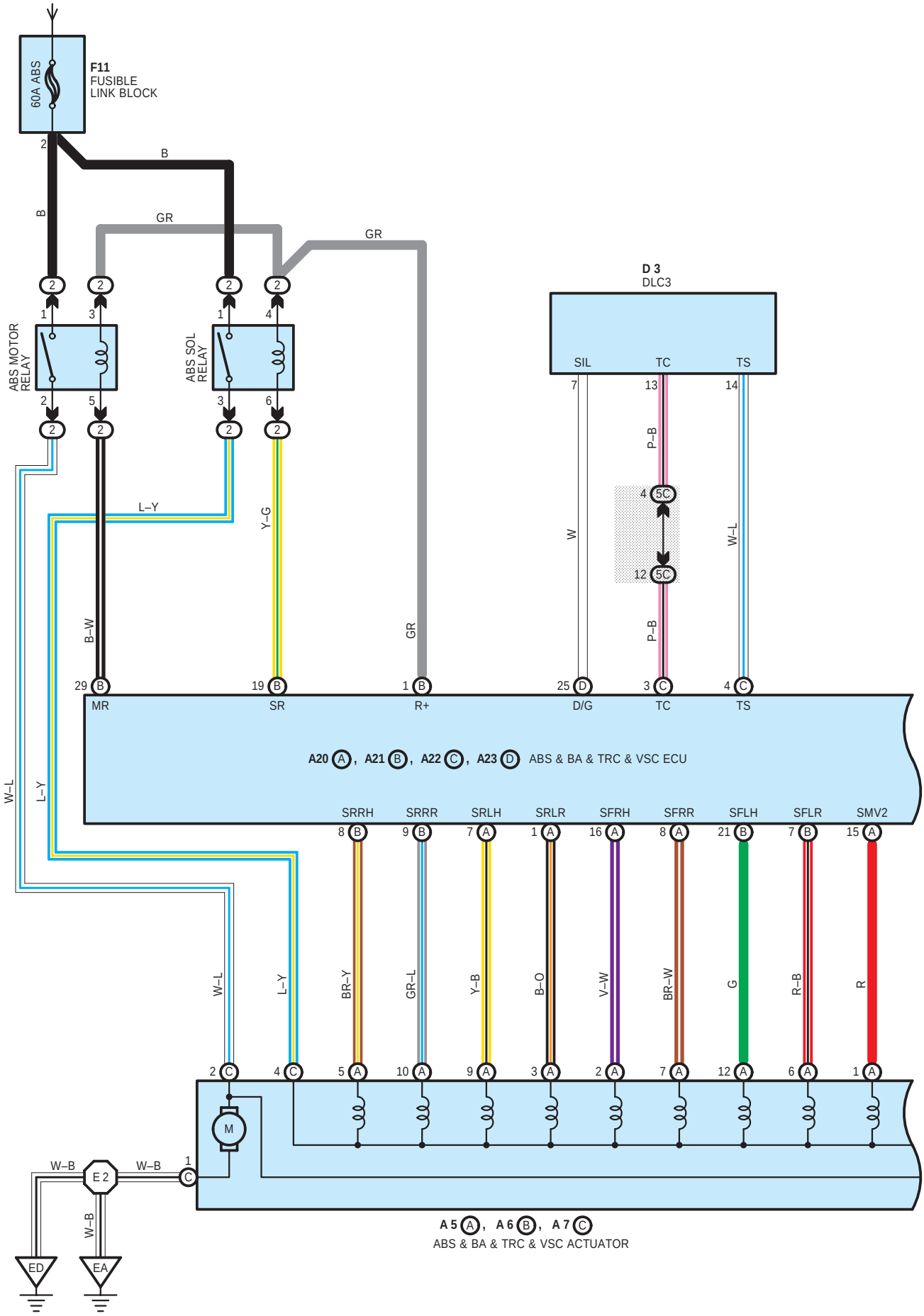
: GROUND POINTS

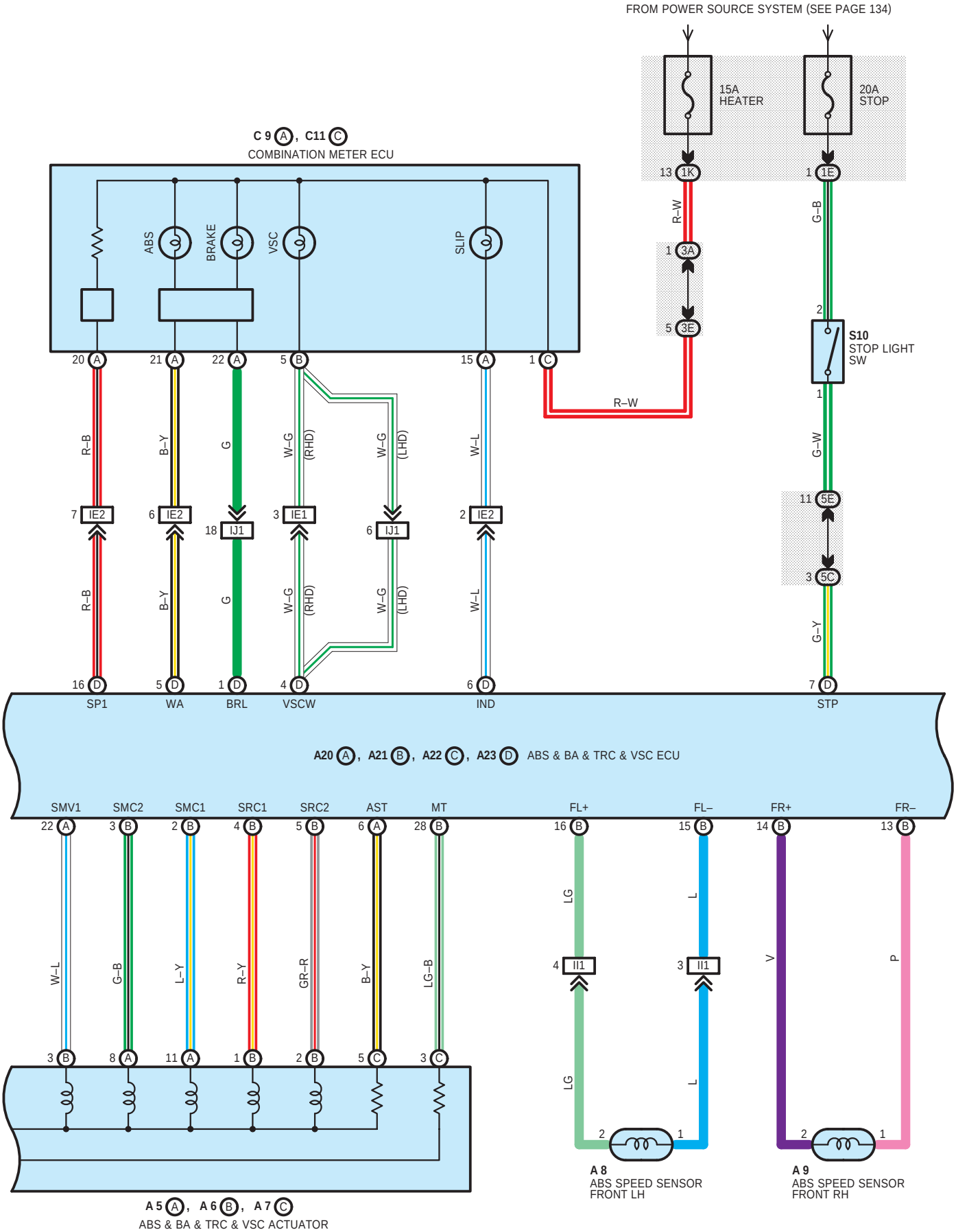
Code	See Page	Ground Points Location
EB	106 (LHD) 116 (RHD)	Surge Tank RH
EC	106 (LHD) 116 (RHD)	Rear Side of Surge Tank
ED	106 (LHD) 116 (RHD)	Right Radiator Side Support
IG	108 (LHD) 118 (RHD)	Cowl Side Panel RH
IH	108 (LHD) 118 (RHD)	Instrument Panel Brace RH

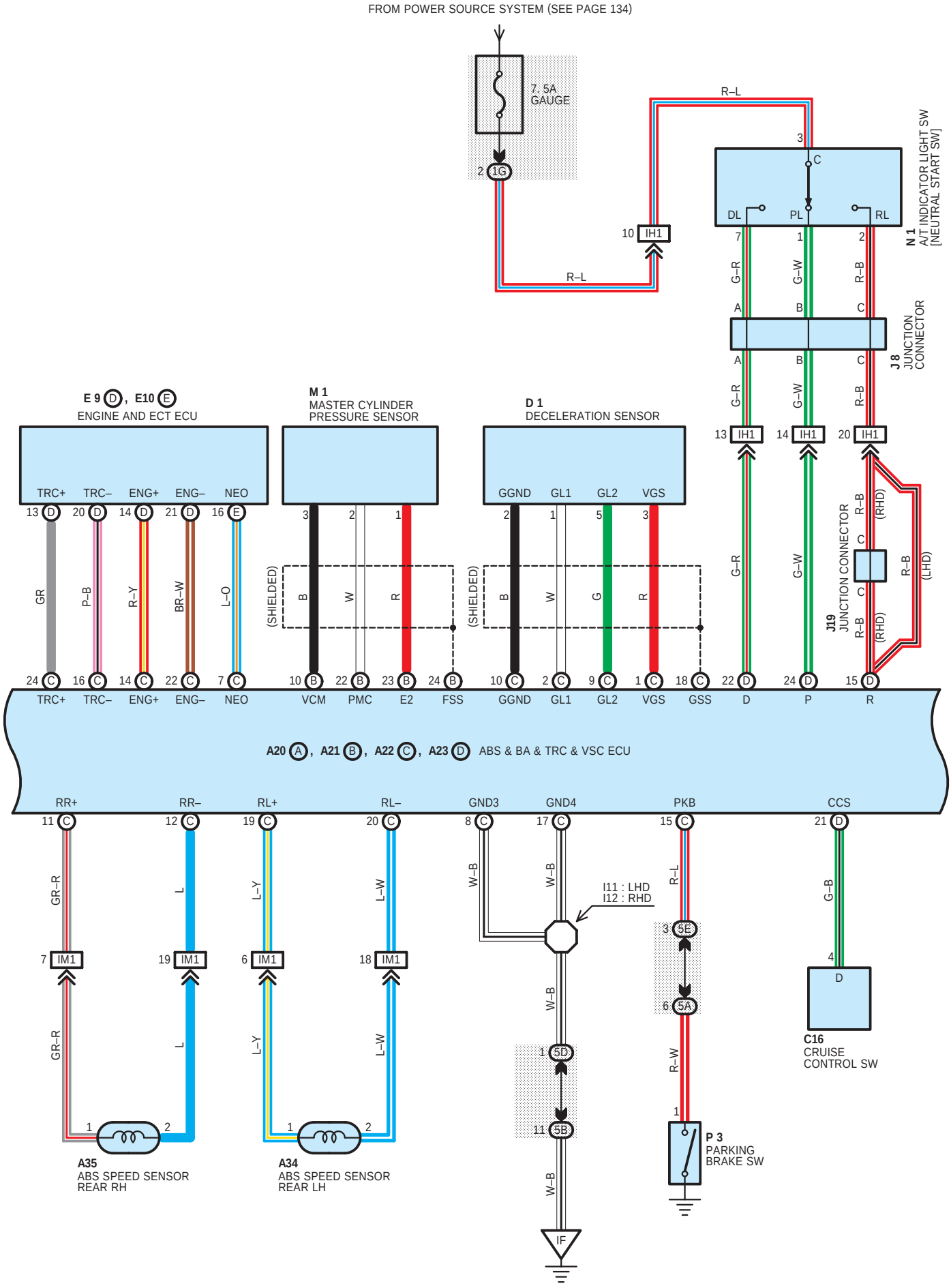
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E5	116 (RHD)	Engine Wire	E8	106 (LHD)	Engine Wire
E6			I5	120 (RHD)	
E7	106 (LHD)		I13	110 (LHD)	

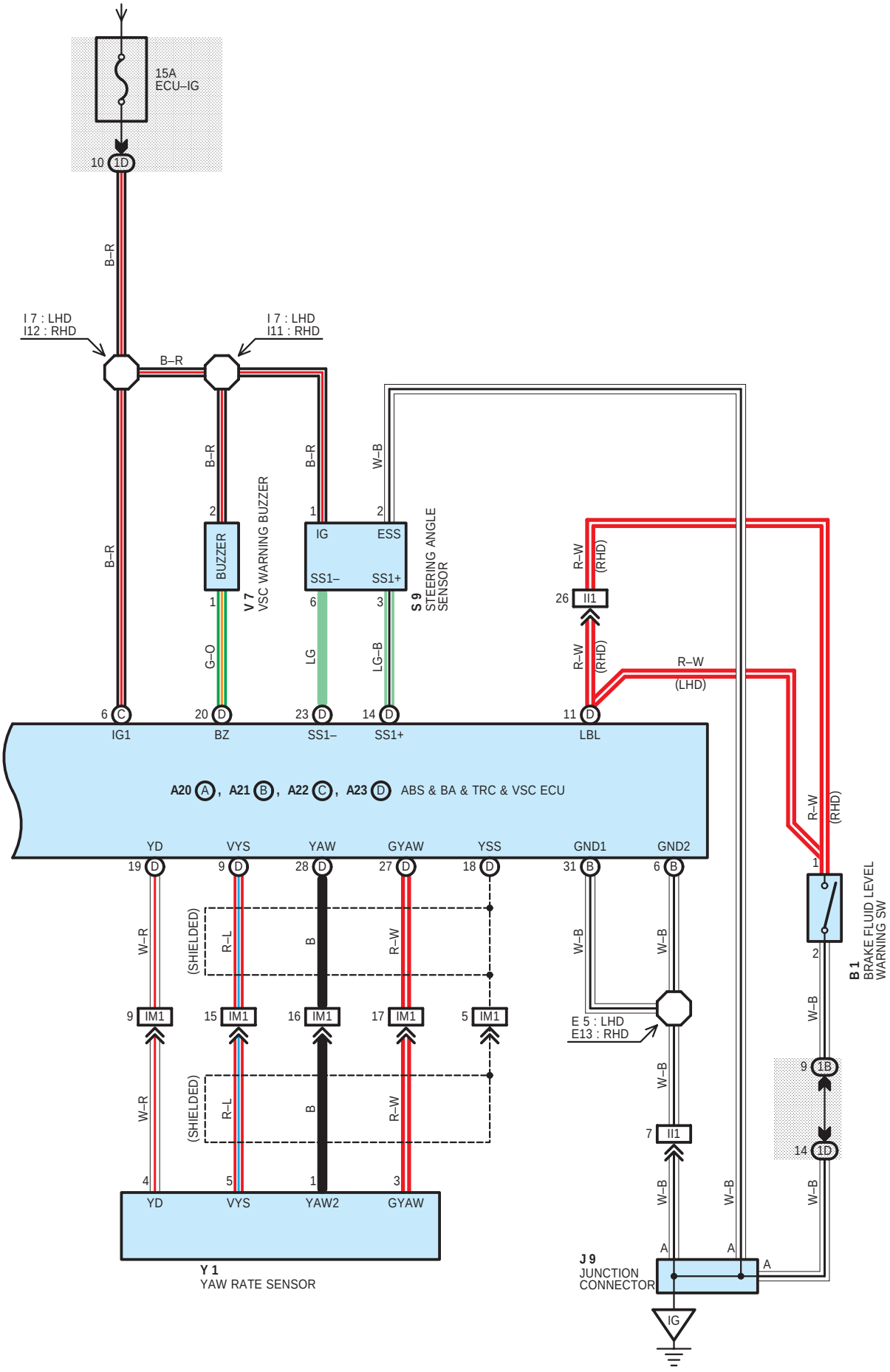
FROM POWER SOURCE SYSTEM (SEE PAGE 134)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A HEATER
20A STOP
C 9 (A), C11 (C)
COMBINATION METER ECU
ABS
BRAKE
VSC
SLIP
13 1K
1 1E
R–W
G–B
1 3A
5 3E
2
S10
STOP LIGHT SW
1
G–W
11 5E
3 5C
G–Y
7 D
20 A
21 A
22 A
5 B
15 A
1 C
R–B
B–Y
G
W–G (RHD)
W–G (LHD)
W–L
R–W
7 IE2
6 IE2
18 IJ1
3 IE1
6 IJ1
2 IE2
16 D
5 D
1 D
4 D
6 D
SP1
WA
BRL
VSCW
IND
STP
A20 (A), A21 (B), A22 (C), A23 (D) ABS & BA & TRC & VSC ECU
SMV1
SMC2
SMC1
SRC1
SRC2
AST
MT
FL+
FL–
FR+
FR–
22 A
3 B
2 B
4 B
5 B
6 A
28 B
16 B
15 B
14 B
13 B
W–L
G–B
L–Y
R–Y
GR–R
B–Y
LG–B
LG
L
V
P
4 II1
3 II1
3 B
8 A
11 A
1 B
2 B
5 C
3 C
2
1
A 8
ABS SPEED SENSOR FRONT LH
A 9
ABS SPEED SENSOR FRONT RH
A 5 (A), A 6 (B), A 7 (C)
ABS & BA & TRC & VSC ACTUATOR


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7.5A GAUGE
2 1G
R–L
10 IH1
3 C
DL PL RL
N 1 A/T INDICATOR LIGHT SW [NEUTRAL START SW]
7 1 2
G–R G–W R–B
A B C
J 8 JUNCTION CONNECTOR
13 IH1 14 IH1 20 IH1
J19 JUNCTION CONNECTOR
R–B (RHD) R–B (LHD)
E 9 D, E10 E
ENGINE AND ECT ECU
TRC+ TRC– ENG+ ENG– NEO
M 1 MASTER CYLINDER PRESSURE SENSOR
D 1 DECELERATION SENSOR
GGND GL1 GL2 VGS
(SHIELDED)
GR P–B R–Y BR–W L–O
B W R G
24 C 16 C 14 C 22 C 7 C
10 B 22 B 23 B 24 B
10 C 2 C 9 C 1 C 18 C
22 D 24 D 15 D
TRC+ TRC– ENG+ ENG– NEO VCM PMC E2 FSS GGND GL1 GL2 VGS GSS D P R
A20 A, A21 B, A22 C, A23 D ABS & BA & TRC & VSC ECU
RR+ RR– RL+ RL– GND3 GND4 PKB CCS
11 C 12 C 19 C 20 C 8 C 17 C 15 C 21 D
GR–R L L–Y L–W W–B W–B R–L G–B
7 IM1 19 IM1 6 IM1 18 IM1
I11 : LHD
I12 : RHD
3 5E 6 5A 4 D
1 5D 11 5B
R–W
1 2
A35 ABS SPEED SENSOR REAR RH
A34 ABS SPEED SENSOR REAR LH
C16 CRUISE CONTROL SW
P 3 PARKING BRAKE SW
IF

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



SYSTEM OUTLINE

1. ABS OPERATION

If the brake pedal is depressed suddenly, the ABS controls the hydraulic pressure of the wheel cylinders for all the four wheels to automatically avoid wheel locking and ensure the directional and steering stability of the vehicle. If the brake pedal is depressed suddenly, the ABS & BA & TRC & VSC ECU controls the solenoids in the actuators using the signals from the sensors to move the brake fluid to the reservoir in order to release the braking pressure applied to the wheel cylinder. If the ABS & BA & TRC & VSC ECU detects that the fluid pressure in the wheel cylinder is insufficient, the ECU controls the solenoids in the actuators to increase the braking pressure.

2. TRACTION CONTROL OPERATION

The traction control system controls the engine torque, the hydraulic pressure of the driving wheel cylinders, slipping of the wheels which may occur at start or acceleration of the vehicle, to ensure an optimal driving power and vehicle stability corresponding to the road conditions.

3. VSC OPERATION

Unexpected road conditions, vehicle speed, emergency situation, and any other external factors may cause large under– or over–steering of the vehicle. If this occurs, the VSC system automatically controls the engine power and wheel brakes to reduce the under– or over–steering.

To reduce large over–steering :

If the VSC system determines that the over–steering is large, it activates the brakes for the outer front turning wheels depending on the degree of the over–steering to produce the moment toward the outside of the vehicle and reduce the over–steering.

To reduce large under–steering :

If the VSC system determines that the under–steering is large, it controls the engine power and activates the rear wheel brakes to reduce the under–steering.

VSC indicator light

If an mulfunction occurs in the VSC system, the VSC indicator lights up to warn the driver.

4. MUTUAL SYSTEM CONTROL

To efficiently operate the VSC system at its optimal level, the VSC system and other control systems are mutually controlled while the VSC system is being operated.

Engine control

The engine power does not interfere with the VSC brake control by fuel cut controlling and reducing the engine output.

Engine control and electronically controlled transmission control

The strong braking force does not interfere with the braking force control of the VSC system by turning off the accel and reducing changes in the driving torque at shift–down.

VSC system operation indication

The slip indicator light flashes and the buzzer alarm intermittently to warn the driver that the current road is slippery, while the VSC system is being operated.

5. FAIL SAFE FUNCTION

If an mulfunction occurs in the ABS & BA & TRC & VSC ECU, sensor signals, and/or actuators, the ABS & BA & TRC & VSC ECU inhibits the brake actuator control and inputs the mulfunction signal to the engine control module. According to the mulfunction signal, the brake actuator turns off the solenoid and the engine control module rejects any electronically controlled request from the VSC system. As a result, the vehicle functions without the ABS, BA, TRC, and VSC systems.

SERVICE HINTS

A20 (A), A21 (B), A22 (C), A23 (D) ABS & BA & TRC & VSC ECU

(C) 6–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
(D) 7–GROUND : Approx. **12** volts with stop light SW on
(C) 10, (C) 17, (D) 8, (B) 31, (B) 6–GROUND : Always continuity

A8, A9 ABS SPEED SENSOR FRONT LH, RH

1–2 : **1.5**–**1.7** kΩ (**20**˚C, **68**˚F)

A34, A35 ABS SPEED SENSOR REAR LH, RH

1–2 : **1.5**–**1.7** kΩ (**20**˚C, **68**˚F)

: PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
A5	A	90 (LHD)	A35		94 (LHD)	J8	93 (LHD)
		98 (RHD)			102 (RHD)		101 (RHD)
A6	B	90 (LHD)	B1		90 (LHD)	J9	93 (LHD)
		98 (RHD)			98 (RHD)		101 (RHD)
A7	C	90 (LHD)	C9	A	92 (LHD)	J19	101 (RHD)
		98 (RHD)			100 (RHD)	M1	91 (LHD)
A8		90 (LHD)	C11	C	92 (LHD)		99 (RHD)
		98 (RHD)			100 (RHD)	N1	91 (LHD)
A9		90 (LHD)	C16		92 (LHD)		99 (RHD)
		98 (RHD)			100 (RHD)	P3	93 (LHD)
A20	A	92 (LHD)	D1		92 (LHD)		101 (RHD)
		100 (RHD)			100 (RHD)	S9	93 (LHD)
A21	B	92 (LHD)	D3		92 (LHD)		101 (RHD)
		100 (RHD)			100 (RHD)	S10	93 (LHD)
A22	C	92 (LHD)	E9	D	92 (LHD)		101 (RHD)
		100 (RHD)			100 (RHD)	V7	93 (LHD)
A23	D	92 (LHD)	E10	E	92 (LHD)		101 (RHD)
		100 (RHD)			100 (RHD)	Y1	95 (LHD)
A34		94 (LHD)	F11		90 (LHD)		103 (RHD)
		102 (RHD)			98 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1E	78 (LHD)	
	80 (RHD)	
1G	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5B		
5C		
5D		
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

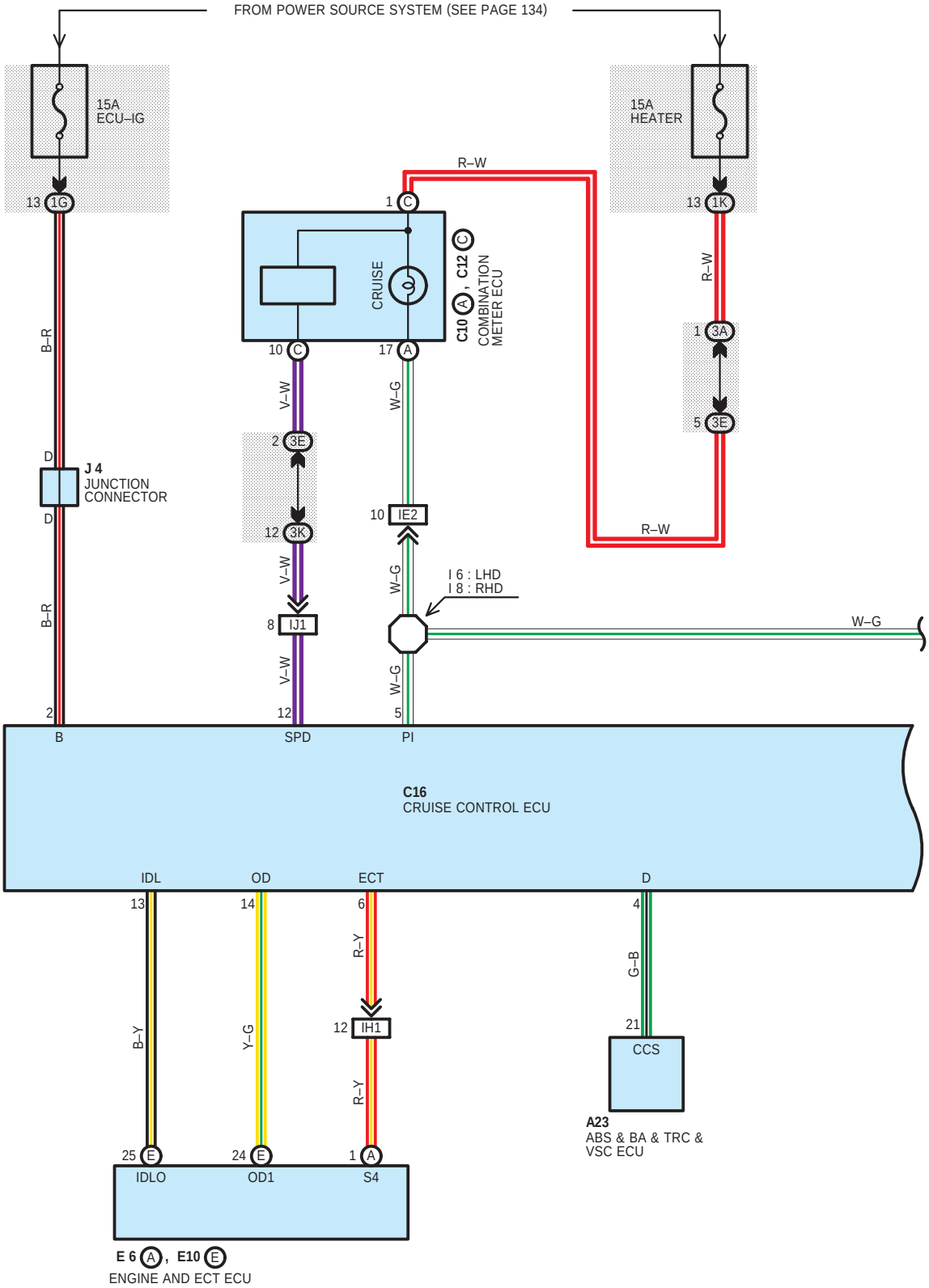
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IE2	108 (LHD)	
	118 (RHD)	
IH1	110 (LHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
	120 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
	120 (RHD)	

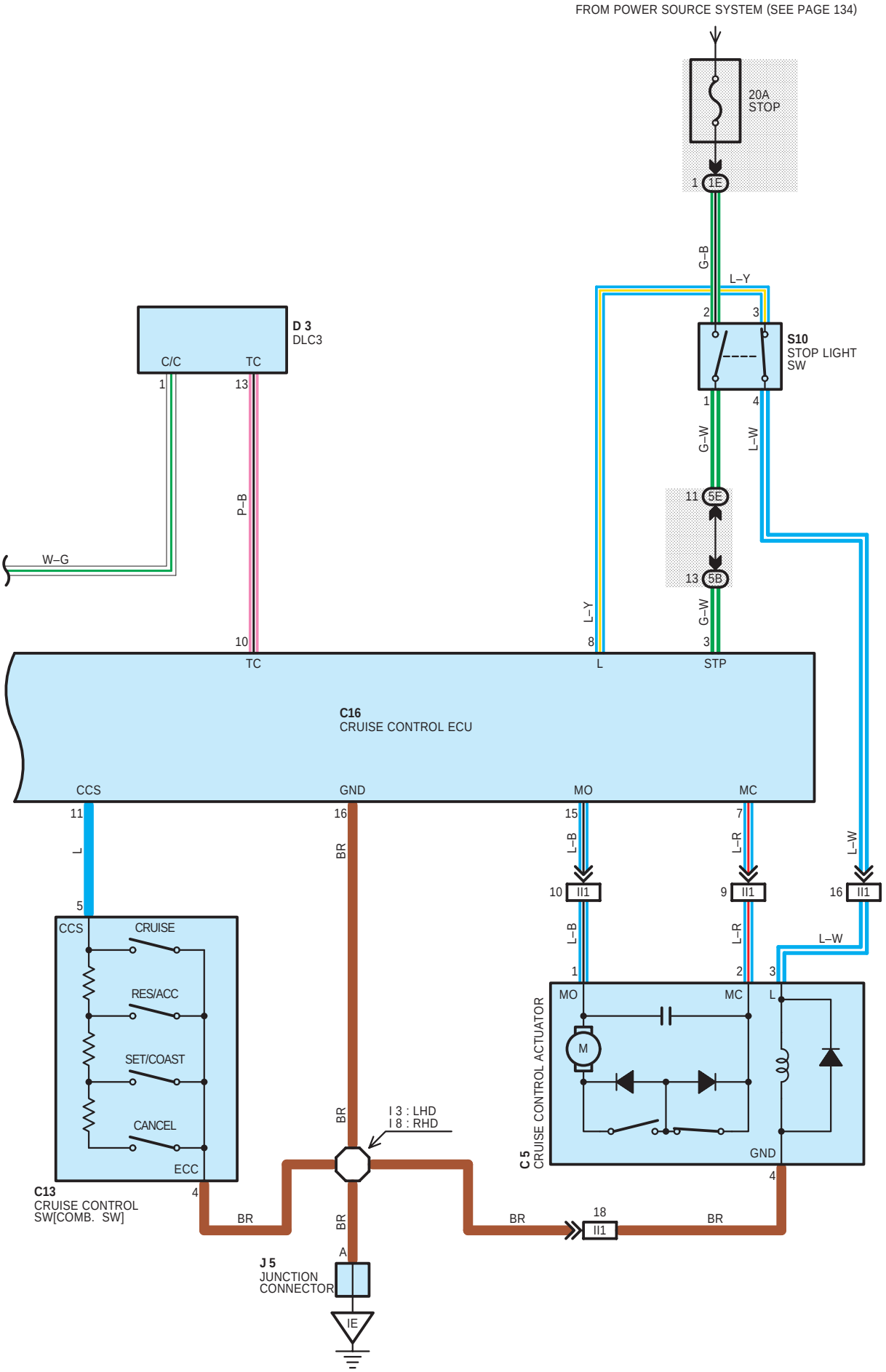
: GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
ED	106 (LHD)	Right Radiator Side Support
	116 (RHD)	
IF	108 (LHD)	Dash Panel Center
	118 (RHD)	
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	106 (LHD)	Engine Room Main Wire	I7	110 (LHD)	Cowl Wire
	116 (RHD)		I11	110 (LHD)	
E5	106 (LHD)			120 (RHD)	
E13			I12	120 (RHD)	


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A
ECU–IG
13 1G
15A
HEATER
13 1K
R–W
1 C
CRUISE
C10 A , C12 C
COMBINATION
METER ECU
10 C
17 A
R–W
1 3A
5 3E
B–R
D
J 4
JUNCTION
CONNECTOR
D
V–W
2 3E
W–G
10 IE2
R–W
12 3K
V–W
W–G
I 6 : LHD
I 8 : RHD
W–G
8 IJ1
V–W
W–G
B–R
2
12
5
B
SPD
PI
C16
CRUISE CONTROL ECU
IDL
OD
ECT
D
13
14
6
4
R–Y
G–B
B–Y
Y–G
12 IH1
21
R–Y
CCS
A23
ABS & BA & TRC &
VSC ECU
25 E
24 E
1 A
IDLO
OD1
S4
E 6 A , E10 E
ENGINE AND ECT ECU


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
20A
STOP
1E
G–B
L–Y
D 3
DLC3
C/C
TC
S10
STOP LIGHT
SW
G–W
L–W
5E
5B
P–B
W–G
C16
CRUISE CONTROL ECU
CCS
GND
MO
MC
L
BR
L–B
L–R
I1
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
C13
CRUISE CONTROL
SW[COMB. SW]
I 3 : LHD
I 8 : RHD
C5
CRUISE CONTROL ACTUATOR
M
J 5
JUNCTION
CONNECTOR
IE

CRUISE CONTROL

SYSTEM OUTLINE

The cruise control system is a constant vehicle speed controller in which control of the switch on the instrument panel makes it possible to automatically adjust the opening of the engine throttle valve without depressing of the accel. pedal.

1. SET OPERATION

When the cruise control main SW is turned on, the system starts preparations necessary for the cruise control and turns on the indicator light in the combination meter.

2. SET SPEED CONTROL

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. COAST CONTROL

During cruise control driving, while the SET/COAST SW is ON, the motor in the cruise control actuator rotates to close the throttle valve, and decrease the driving speed.
Every time the SET/COAST SW is turned on instantaneously, the vehicle speed is decelerated approximately 1.5 km/h.

4. ACCEL CONTROL

During cruise control driving, while the RES/ACC SW is ON, the motor in the cruise control actuator rotates to open the throttle valve, and increase the driving speed.
Every time the RES/ACC SW is turned on instantaneously, the vehicle speed is accelerated approximately 1.5 km/h.

5. RESUME CONTROL

When the vehicle speed is within the low speed limit (Approximately 40 km/h, 25 mph) if the cruise control is cancelled, use of the RES/ACC SW accelerates the vehicle to the speed level used before canceling the cruise control.

6. MANUAL CANCEL MECHANISM

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.
* The stop light SW is turned on.
* The CANCEL SW is turned on.
* The cruise control main SW is turned off.
* When the shift lever is in a position other than D position

7. AUTO CANCEL FUNCTION

If any of the following conditions is encountered, the cruise control is automatically cancelled.
* The stop light SW wiring is faulty or short–circuited.
* The vehicle speed signal is faulty.
* In case of over current to the transistor, driving motor, or electromagnetic clutch
* When the vehicle has stopped due to voltage decrease
* When the vehicle speed falls below the minimum speed limit (Approximately. 40 km/h, 25 mph)

8. OVERDRIVE CONTROL FUNCTION

The overdrive control may be cancelled if the vehicle travels on the slope during cruise control travelling. After the overdrive control has been cancelled, if the vehicle speed exceeds the overdrive return speed (The set speed is 2 km/h, 1.2 mph) and it is decided that the slope is finished, the vehicle returns to the overdrive control mode again.

SERVICE HINTS

C16 CRUISE CONTROL ECU

2–GROUND : Approx. **12** volts with the ignition SW at **ON** position
16–GROUND : Always continuity
3–GROUND : Approx. **12** volts with the stop light SW at on
11–GROUND : Continuity with the cruise control main SW at on
Approx. **1540** Ω with the CANCEL SW on in cruise control SW
Approx. **240** Ω with the RES/ACC SW on in cruise control SW
Approx. **630** Ω with the SET/COAST SW on in cruise control SW

C13 CRUISE CONTROL SW [COMB. SW]

5–4 : Approx. **1540** Ω with the CANCEL SW on
Approx. **240** Ω with the RES/ACC SW on
Approx. **630** Ω with the SET/COAST SW on

: PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A23		92 (LHD) 100 (RHD)	C13		92 (LHD) 100 (RHD)	E10	E	92 (LHD) 100 (RHD)
C5		90 (LHD) 98 (RHD)	C16		92 (LHD) 100 (RHD)	J4		93 (LHD) 101 (RHD)
C10	A	92 (LHD) 100 (RHD)	D3		92 (LHD) 100 (RHD)	J5		93 (LHD) 101 (RHD)
C12	C	92 (LHD) 100 (RHD)	E6	A	92 (LHD) 100 (RHD)	S10		93 (LHD) 101 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD) 80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G	78 (LHD) 80 (RHD)	
1K	78 (LHD) 80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	108 (LHD) 118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IH1	110 (LHD) 120 (RHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	110 (LHD) 120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IJ1	110 (LHD) 120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	108 (LHD) 118 (RHD)	Cowl Side Panel LH

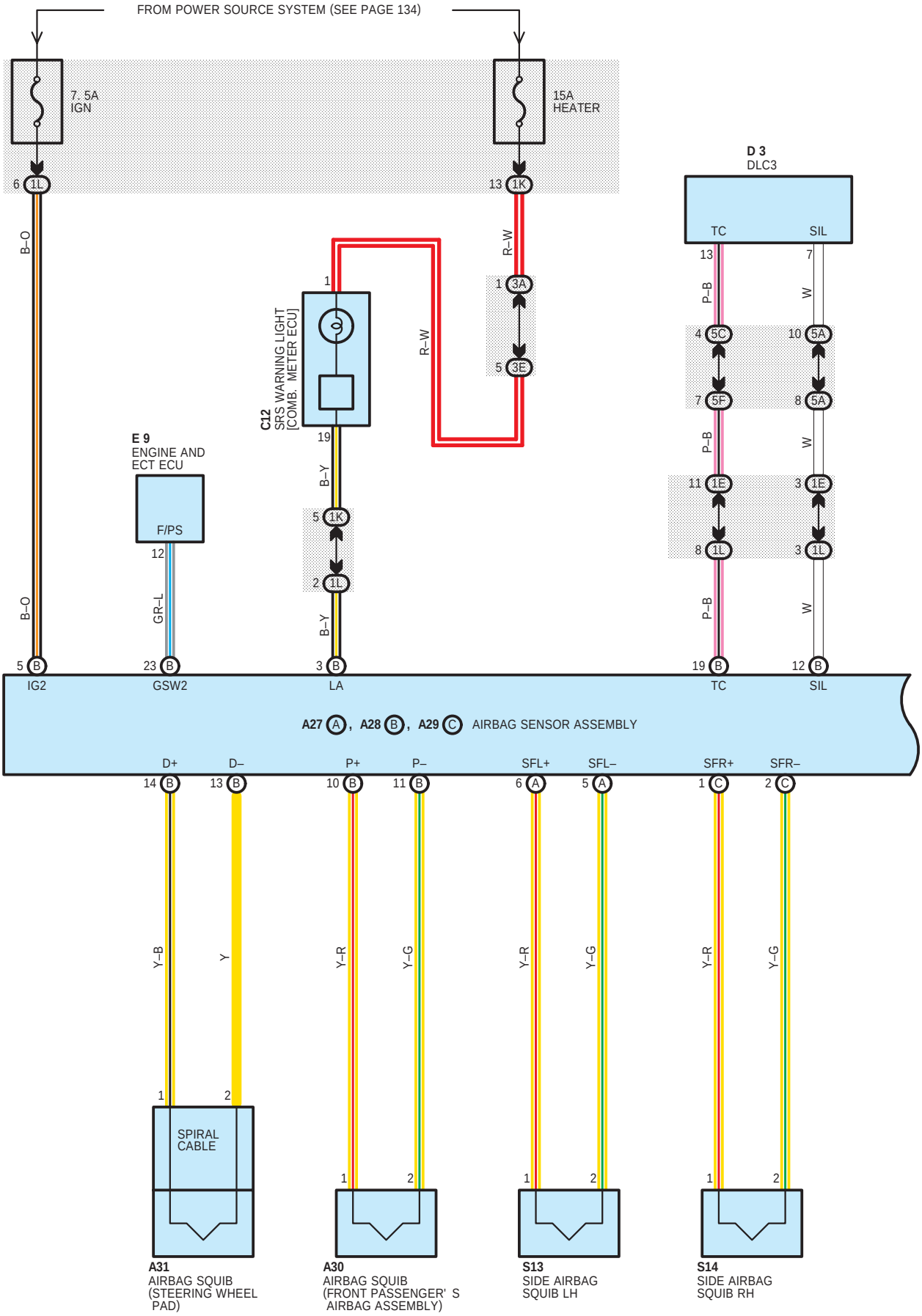
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	110 (LHD)	Cowl Wire	I8	120 (RHD)	Cowl Wire
I6					

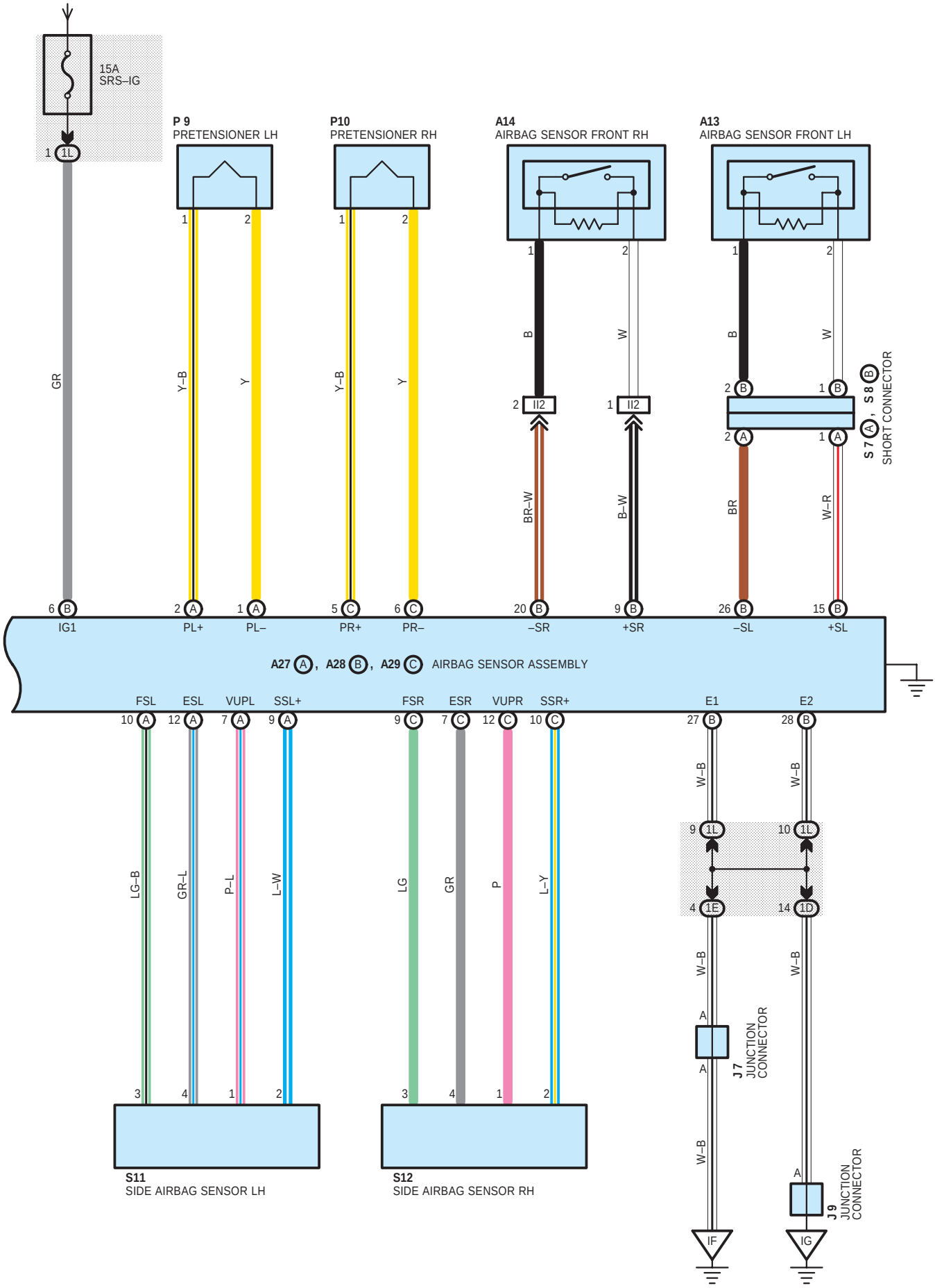
MEMO

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. This vehicle has power tilt and power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of the memory contents. So when the work is finished, it will be necessary to explain this fact tot the customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each memory system, never use a back–up power supply from outside the vehicle.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Do not expose the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner, airbag sensor assembly or side airbag sensor assembly directly to hot air or flames.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner, airbag sensor assembly and side airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner, airbag sensor assembly or side airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, side airbag assembly, seat belt pretensioner, airbag sensor assembly or side airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A
IGN
15A
HEATER
6 1L
13 1K
B–O
R–W
1
1 3A
5 3E
C12
SRS WARNING LIGHT
[COMB. METER ECU]
19
B–Y
5 1K
2 1L
B–Y
D 3
DLC3
TC
SIL
13
7
P–B
W
4 5C
10 5A
7 5F
8 5A
P–B
W
11 1E
3 1E
8 1L
3 1L
P–B
W
E 9
ENGINE AND
ECT ECU
F/PS
12
GR–L
B–O
5 B
IG2
23 B
GSW2
3 B
LA
19 B
TC
12 B
SIL
A27 A , A28 B , A29 C AIRBAG SENSOR ASSEMBLY
D+
D–
P+
P–
SFL+
SFL–
SFR+
SFR–
14 B
13 B
10 B
11 B
6 A
5 A
1 C
2 C
Y–B
Y
Y–R
Y–G
Y–R
Y–G
Y–R
Y–G
1
2
SPIRAL
CABLE
A31
AIRBAG SQUIB
(STEERING WHEEL
PAD)
A30
AIRBAG SQUIB
(FRONT PASSENGER' S
AIRBAG ASSEMBLY)
S13
SIDE AIRBAG
SQUIB LH
S14
SIDE AIRBAG
SQUIB RH

FROM POWER SOURCE SYSTEM (SEE PAGE 134)



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 ON, the current from the SRS–IG fuse flows to TERMINAL (B) 4 of the airbag sensor assembly. Only when the ignition SW is on does the current flow from the IGN fuse to TERMINAL (B) 5 of the airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the SRS–IG or IGN fuse flows to TERMINALS (B) 14, (B) 10, (A) 2 and (C) 5 of the airbag sensor assembly to TERMINAL 1 of the airbag squibs and the pretensioners to TERMINAL 2 to TERMINALS (B) 13, (B) 11, (A) 1 and (C) 6 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the pretensioners and causes them to operate.
When the side impact also exceeds a set level, the current from the SRS–IG or IGN fuse flows to TERMINALS (A) 6, (C) 2, (A) 2 and (C) 5 of the airbag sensor assembly to TERMINAL 1 of the side airbag squibs and the pretensioners to TERMINAL 2 to TERMINALS (A) 5, (C) 1, (A) 1 and (C) 6 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, causing side airbag squibs and the pretensioners to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the front passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.
Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.
The pretensioners make sure of the seat belt restrainability

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A13	90 (LHD)	C12	92 (LHD)	S7 A	93 (LHD)
	98 (RHD)		100 (RHD)		101 (RHD)
A14	90 (LHD)	D3	92 (LHD)	S8 B	93 (LHD)
	98 (RHD)		100 (RHD)		101 (RHD)
A27 A	92 (LHD)	E9	92 (LHD)	S11	95 (LHD)
	100 (RHD)		100 (RHD)		103 (RHD)
A28 B	92 (LHD)	J7	93 (LHD)	S12	95 (LHD)
	100 (RHD)		101 (RHD)		103 (RHD)
A29 C	92 (LHD)	J9	93 (LHD)	S13	95 (LHD)
	100 (RHD)		101 (RHD)		103 (RHD)
A30	92 (LHD)	P9	95 (LHD)	S14	95 (LHD)
	100 (RHD)		103 (RHD)		103 (RHD)
A31	92 (LHD)	P10	95 (LHD)		
	100 (RHD)		103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

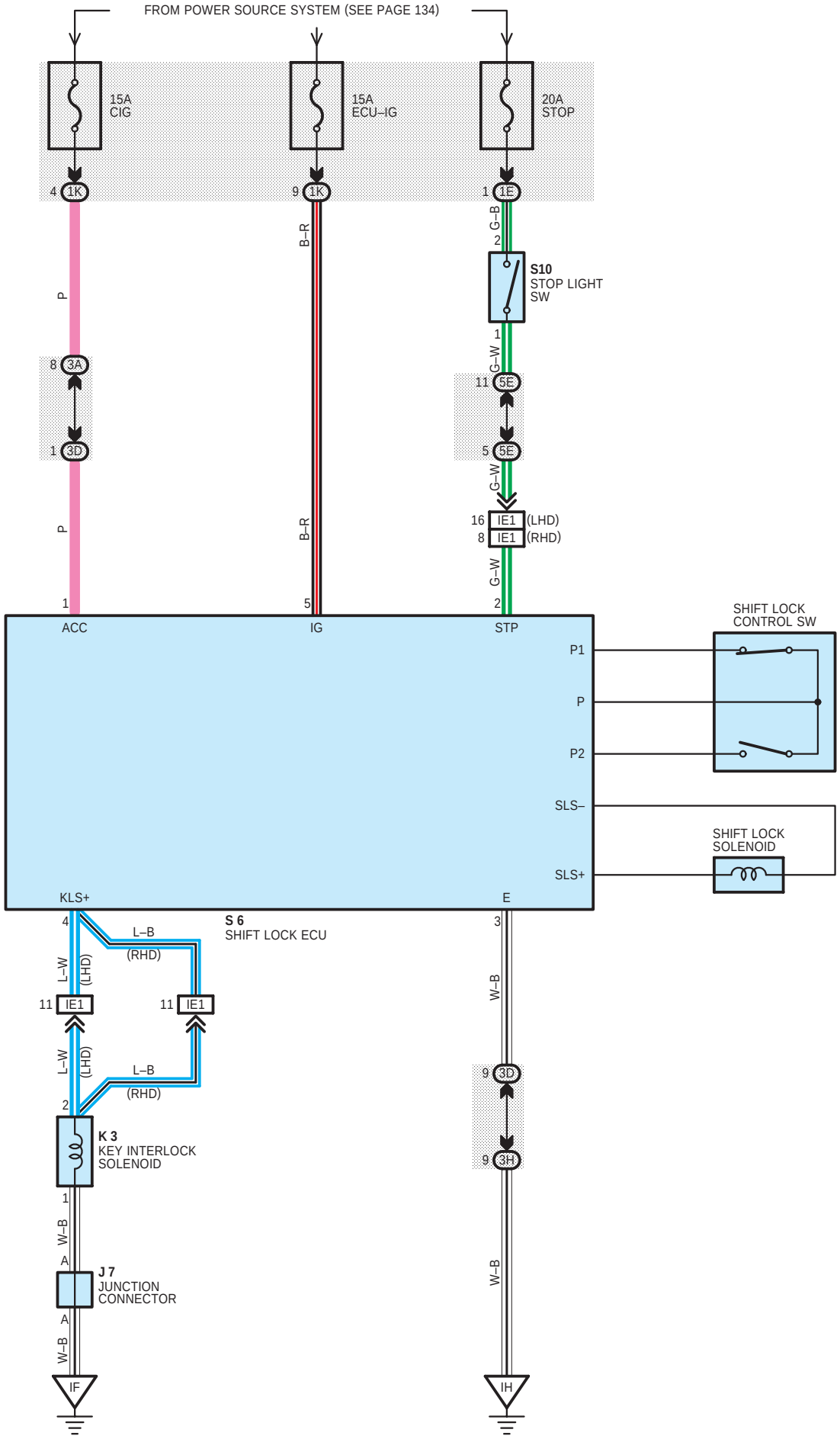
Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1E	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1L	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3E		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5C		
5F		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II2	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	

▽ **: GROUND POINTS**

Code	See Page	Ground Points Location
IF	108 (LHD)	Dash Panel Center
	118 (RHD)	
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A
CIG
15A
ECU–IG
20A
STOP
4 1K
9 1K
1 1E
G–B
2
S10
STOP LIGHT
SW
1
G–W
11 5E
5 5E
G–W
16 IE1 (LHD)
8 IE1 (RHD)
G–W
2
P
8 3A
1 3D
P
1
B–R
B–R
5
ACC
IG
STP
SHIFT LOCK
CONTROL SW
P1
P
P2
SLS–
SLS+
SHIFT LOCK
SOLENOID
KLS+
E
S 6
SHIFT LOCK ECU
4
L–W
(LHD)
L–B
(RHD)
11 IE1
11 IE1
L–W
(LHD)
L–B
(RHD)
2
K 3
KEY INTERLOCK
SOLENOID
1
W–B
A
J 7
JUNCTION
CONNECTOR
A
W–B
IF
3
W–B
9 3D
9 3H
W–B
IH

SYSTEM OUTLINE

When the ignition SW is turned to ACC position, the current from the CIG fuse flows to TERMINAL 1 of the shift lock ECU. When the ignition SW is turned to ON position, the current from the ECU–IG fuse flows to TERMINAL 2 of the ECU.

1. SHIFT LOCK MECHANISM

With the ignition SW on, when a signal that the brake pedal is depressed (Stop light SW on) and a signal that the shift lever is put in P position (Continuity between P1 and P of the shift lock control SW) is input to the ECU, the ECU activates and the current flows from TERMINAL 2 of the ECU to TERMINAL SLS+ of the shift lock solenoid to solenoid to TERMINAL SLS– to TERMINAL 3 of the ECU to GROUND. This causes the shift lock solenoid to turn on (Lock plate disengages) and the shift lever can be shifted into other position than the P position

2. KEY INTER LOCK MECHANISM

With the ignition SW ON or ACC position, when the shift lever is put in P position (No continuity between P2 and P of shift lock control SW), the current flowing from TERMINAL 4 of the ECU to the key interlock solenoid is cut off. This causes the key interlock solenoid to turn off (Lock plate disengages from LOCK position) and the ignition key can be turned from ACC to LOCK position.

SERVICE HINTS

S6 SHIFT LOCK ECU

1–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
5–GROUND : Approx. **12** volts with the ignition SW at **ON** or **ST** position
3–GROUND : Always continuity
2–GROUND : Approx. **12** volts with the brake pedal depressed

S10 STOP LIGHT SW

2–1 : Closed with the brake pedal depressed

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J7	93 (LHD)	K3	101 (RHD)	S10	93 (LHD)
	101 (RHD)	S6	93 (LHD)		101 (RHD)
K3	93 (LHD)		101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

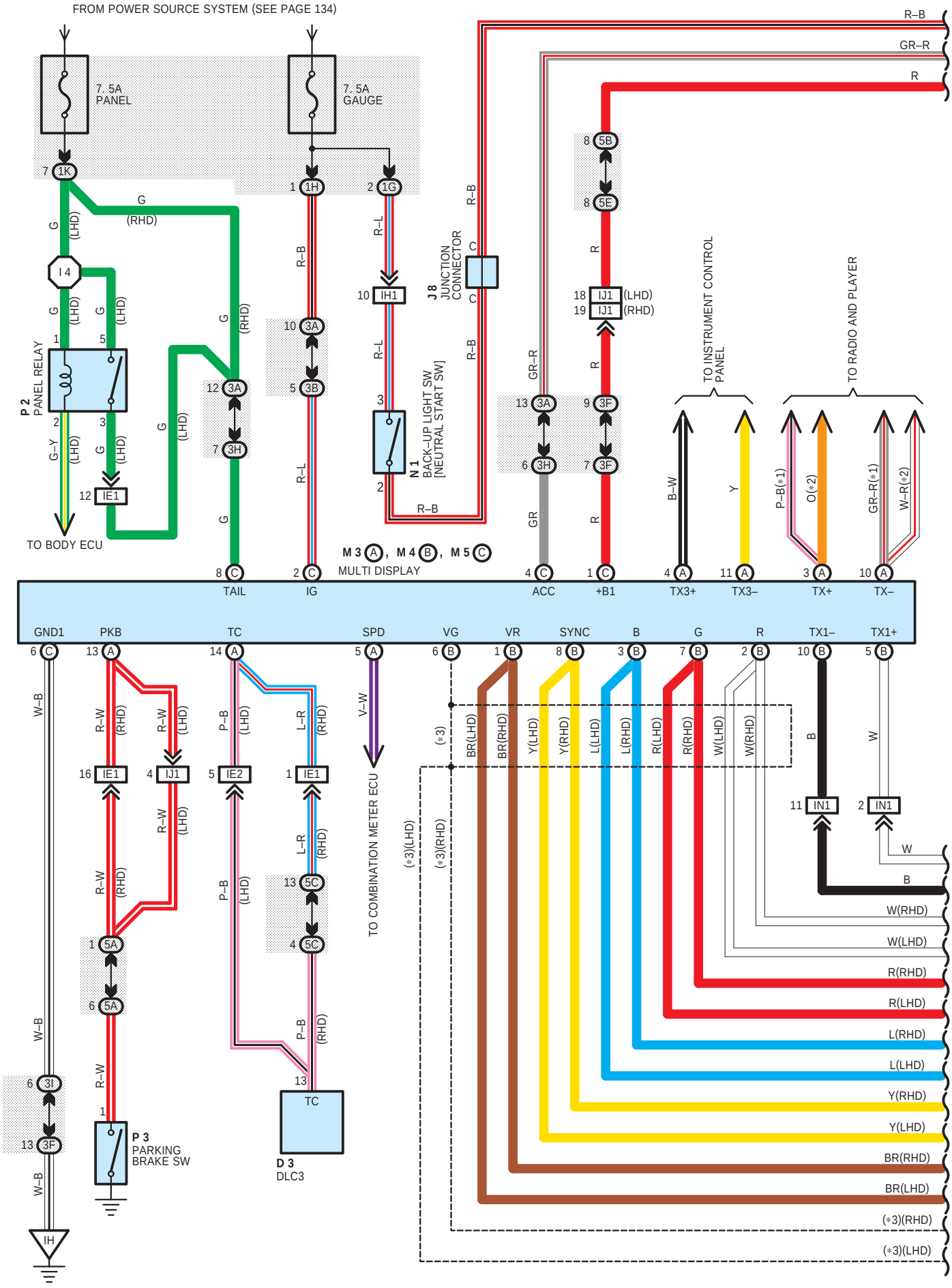
Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3D		
3H		
5E	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

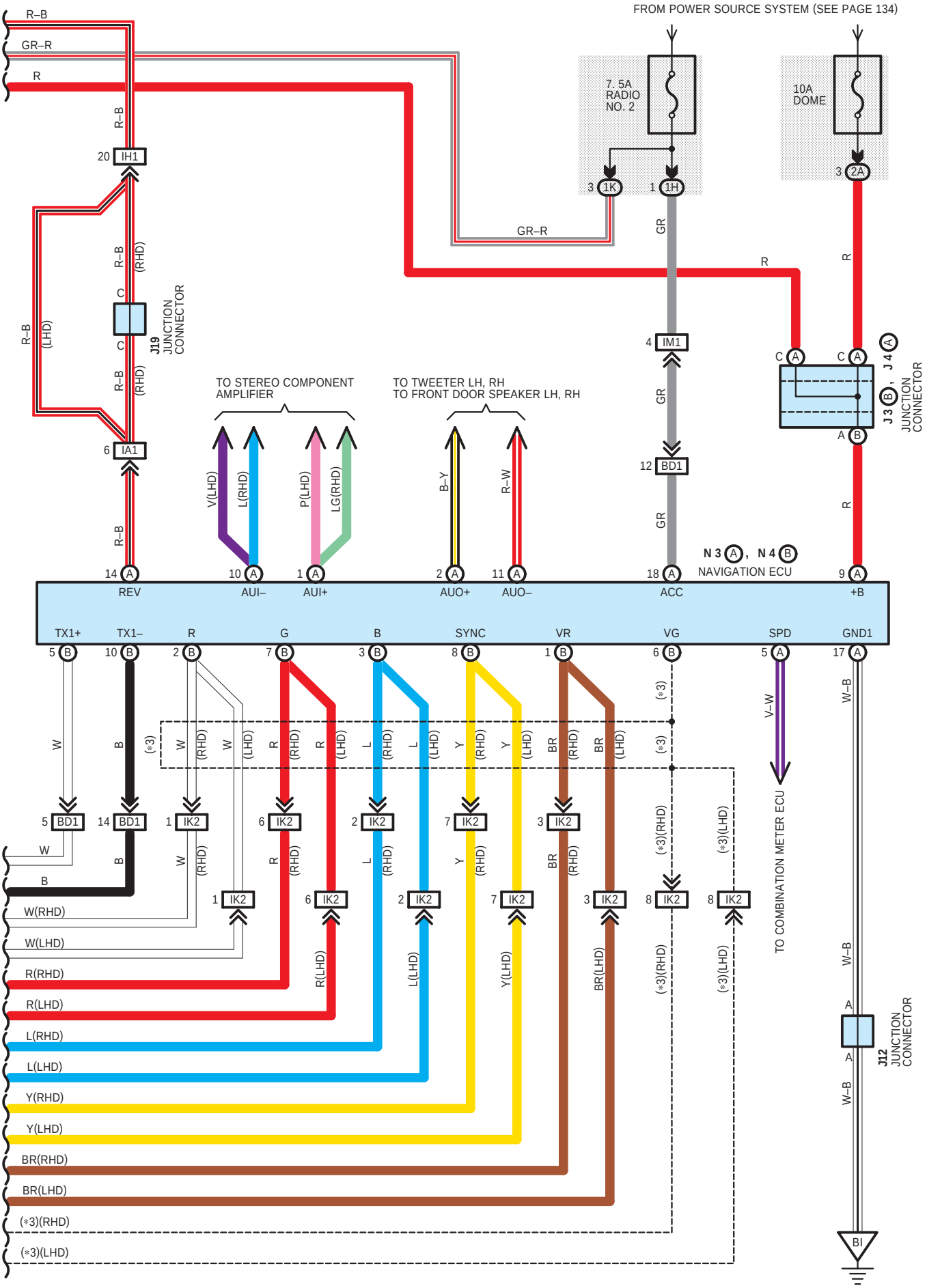
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	

: GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (LHD)	Dash Panel Center
	118 (RHD)	
IH	108 (LHD)	Instrument Panel Brace RH
	118 (RHD)	


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A PANEL
7. 5A GAUGE
P 2 PANEL RELAY
TO BODY ECU
J 8 JUNCTION CONNECTOR
N 1 BACK–UP LIGHT SW [NEUTRAL START SW]
M 3 (A), M 4 (B), M 5 (C) MULTI DISPLAY
TO INSTRUMENT CONTROL PANEL
TO RADIO AND PLAYER
TAIL
IG
ACC
+B1
TX3+
TX3–
TX+
TX–
GND1
PKB
TC
SPD
VG
VR
SYNC
B
G
R
TX1–
TX1+
P 3 PARKING BRAKE SW
D 3 DLC3
TO COMBINATION METER ECU
W(RHD)
W(LHD)
R(RHD)
R(LHD)
L(RHD)
L(LHD)
Y(RHD)
Y(LHD)
BR(RHD)
BR(LHD)
(∗3)(RHD)
(∗3)(LHD)

∗ 1 : EUROPE
∗ 2 : EXCEPT EUROPE
∗ 3 : SHIELDED



SERVICE HINTS

M5 (C) MULTI DISPLAY

(C) 2–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(C) 1–GROUND : Always approx. **12** volts
(C) 4–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(C) 6–GROUND : Always continuity

N3 (A) NAVIGATION ECU

(A) 9–GROUND : Always approx. **12** volts
(A)18–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A)17–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
D3		92 (LHD)	J12		102 (RHD)	N1		99 (RHD)
		100 (RHD)	J19		101 (RHD)	N3	A	94 (LHD)
J3	B	93 (LHD)	M3	A	93 (LHD)			102 (RHD)
		101 (RHD)			101 (RHD)	N4	B	94 (LHD)
J4	A	93 (LHD)	M4	B	93 (LHD)			102 (RHD)
		101 (RHD)			101 (RHD)	P2		93 (LHD)
J8		93 (LHD)	M5	C	93 (LHD)	P3		93 (LHD)
		101 (RHD)			101 (RHD)			101 (RHD)
J12		94 (LHD)	N1		91 (LHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3F		
3H		
3I		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5B		
5C		
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
	118 (RHD)	
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	
IE2	108 (LHD)	
IH1	110 (LHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
	120 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
	120 (RHD)	
IN1	110 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)
	120 (RHD)	
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
	122 (RHD)	

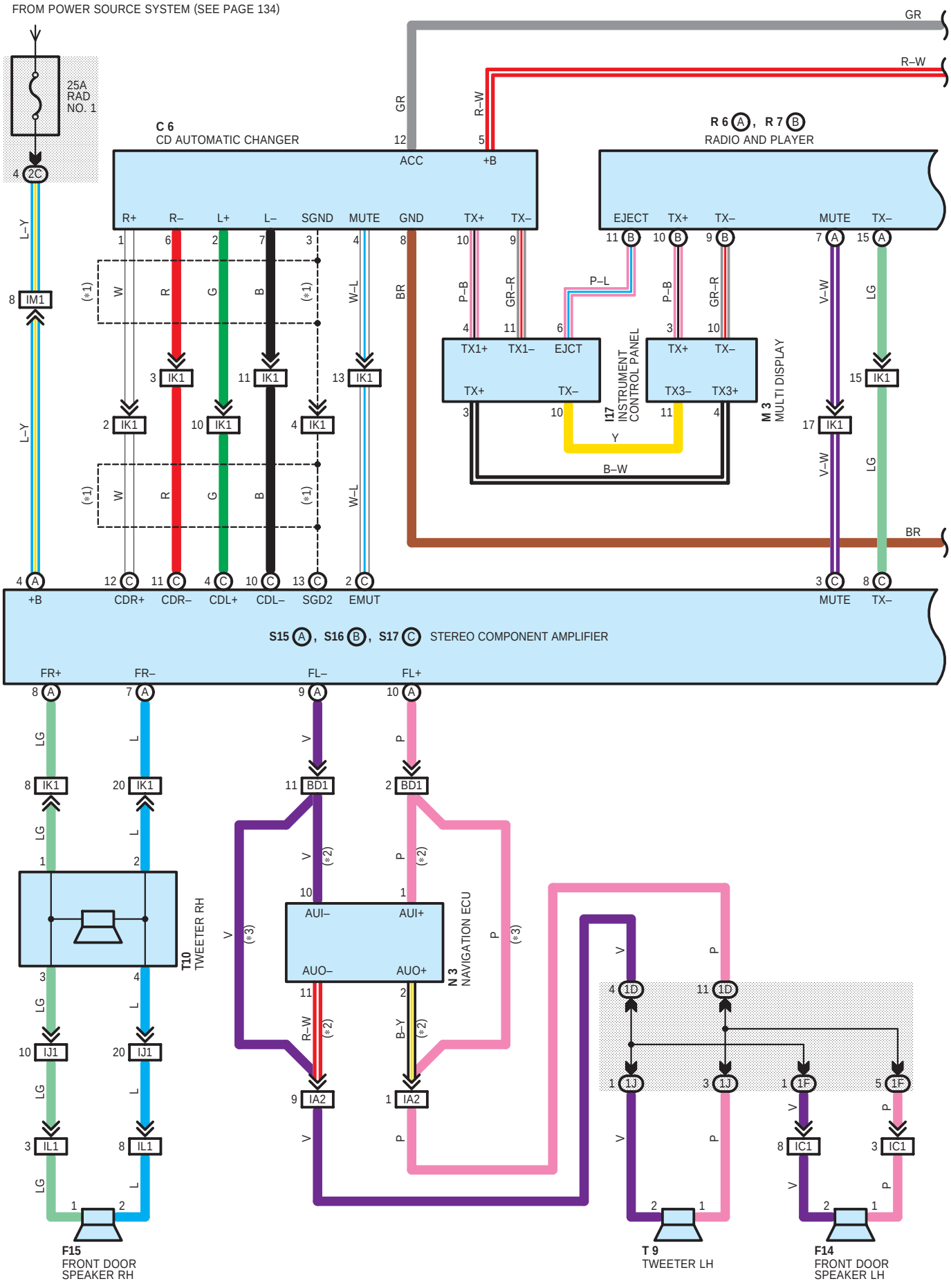
: GROUND POINTS

Code	See Page	Ground Points Location
IH	108 (LHD)	Instrument Panel Brace RH
	118 (RHD)	
BI	112 (LHD)	Upper the Rear Axle Housing Left
	122 (RHD)	

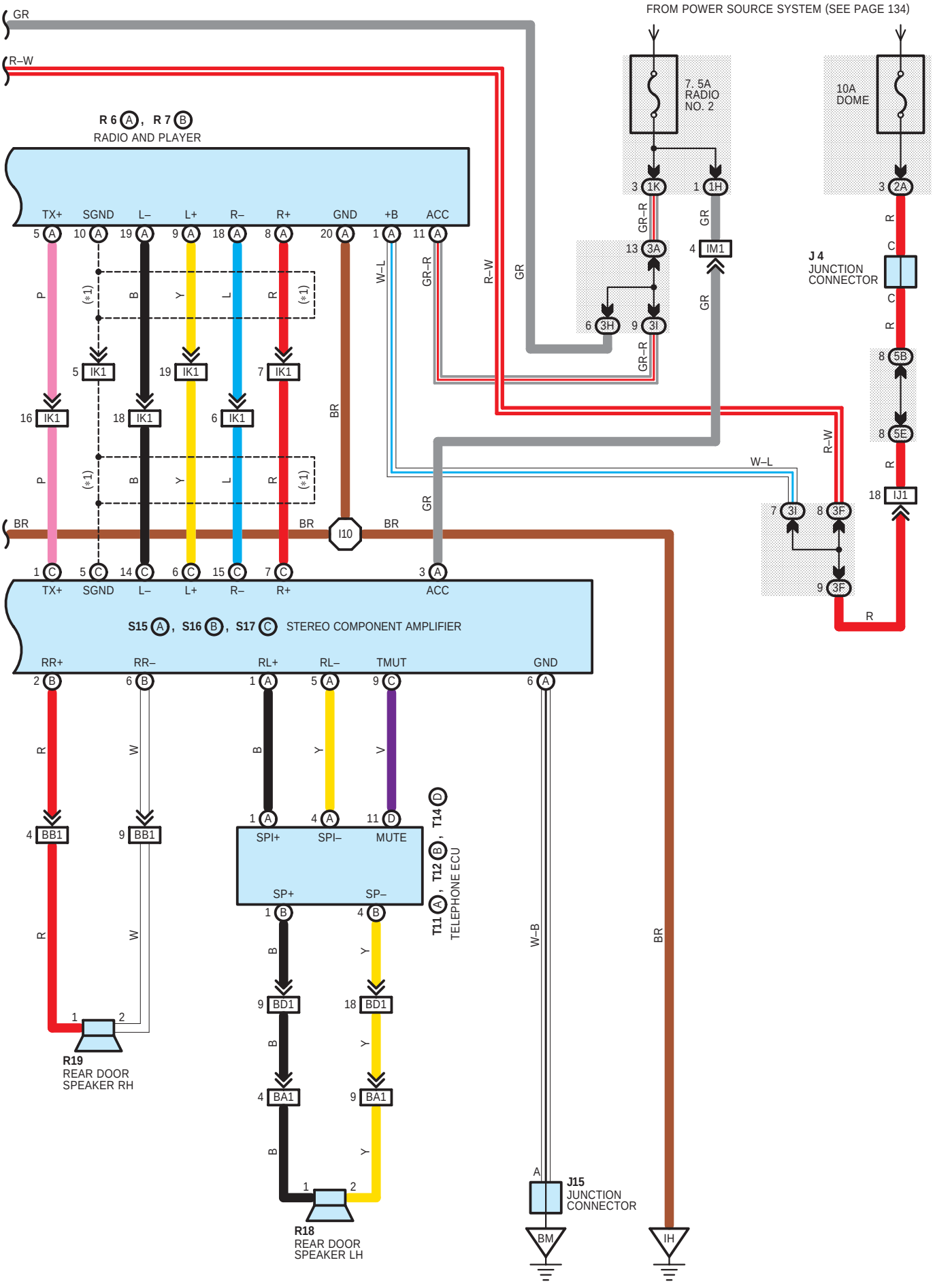
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	110 (LHD)	Cowl Wire			

RADIO AND PLAYER (LHD)



* 1 : SHIELDED
* 2 : W/ LEXUS NAVIGATION SYSTEM
* 3 : W/O LEXUS NAVIGATION SYSTEM



RADIO AND PLAYER (LHD)

SERVICE HINTS

R3 (A) RADIO AND PLAYER

(A) 11–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 1–GROUND : Always approx. **12** volts
(A) 20–GROUND : Always continuity

S15 (A) STEREO COMPONENT AMPLIFIER

(A) 6–GROUND : Always continuity
(A) 3–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 4–GROUND : Always approx. **12** volts

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C6	92 (LHD)	N3	94 (LHD)	S17 C	95 (LHD)
F14	94 (LHD)	R6 A	93 (LHD)	T9	93 (LHD)
F15	94 (LHD)	R7 B	93 (LHD)	T10	93 (LHD)
I17	93 (LHD)	R18	95 (LHD)	T11 A	95 (LHD)
J4	93 (LHD)	R19	95 (LHD)	T12 B	95 (LHD)
J15	94 (LHD)	S15 A	95 (LHD)	T14 D	95 (LHD)
M3	93 (LHD)	S16 B	95 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1F		
1H		
1J	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		
3H		
3I		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

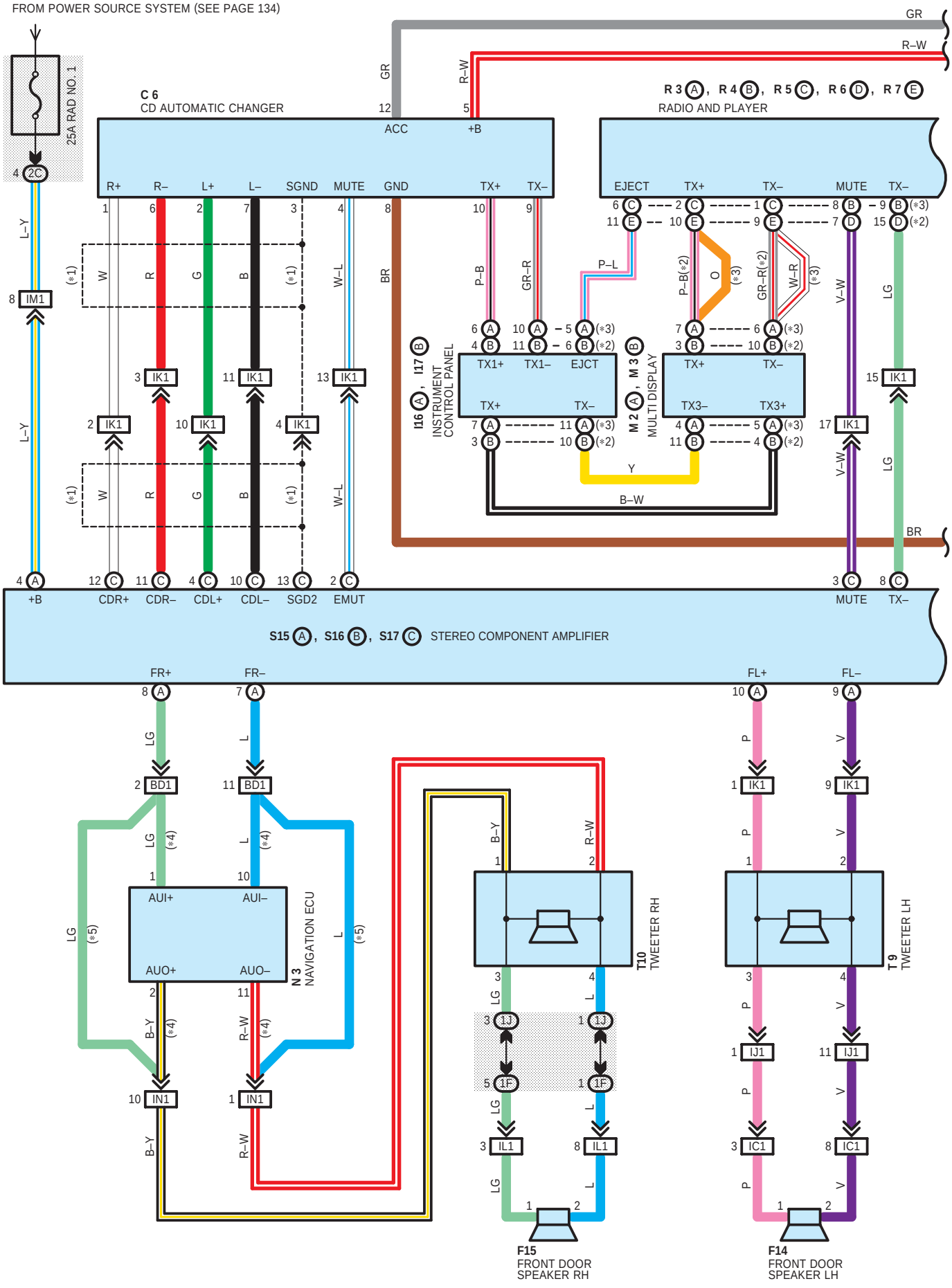
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	108 (LHD)	Instrument Panel Brace RH
BM	112 (LHD)	Under the Rear RH Seat

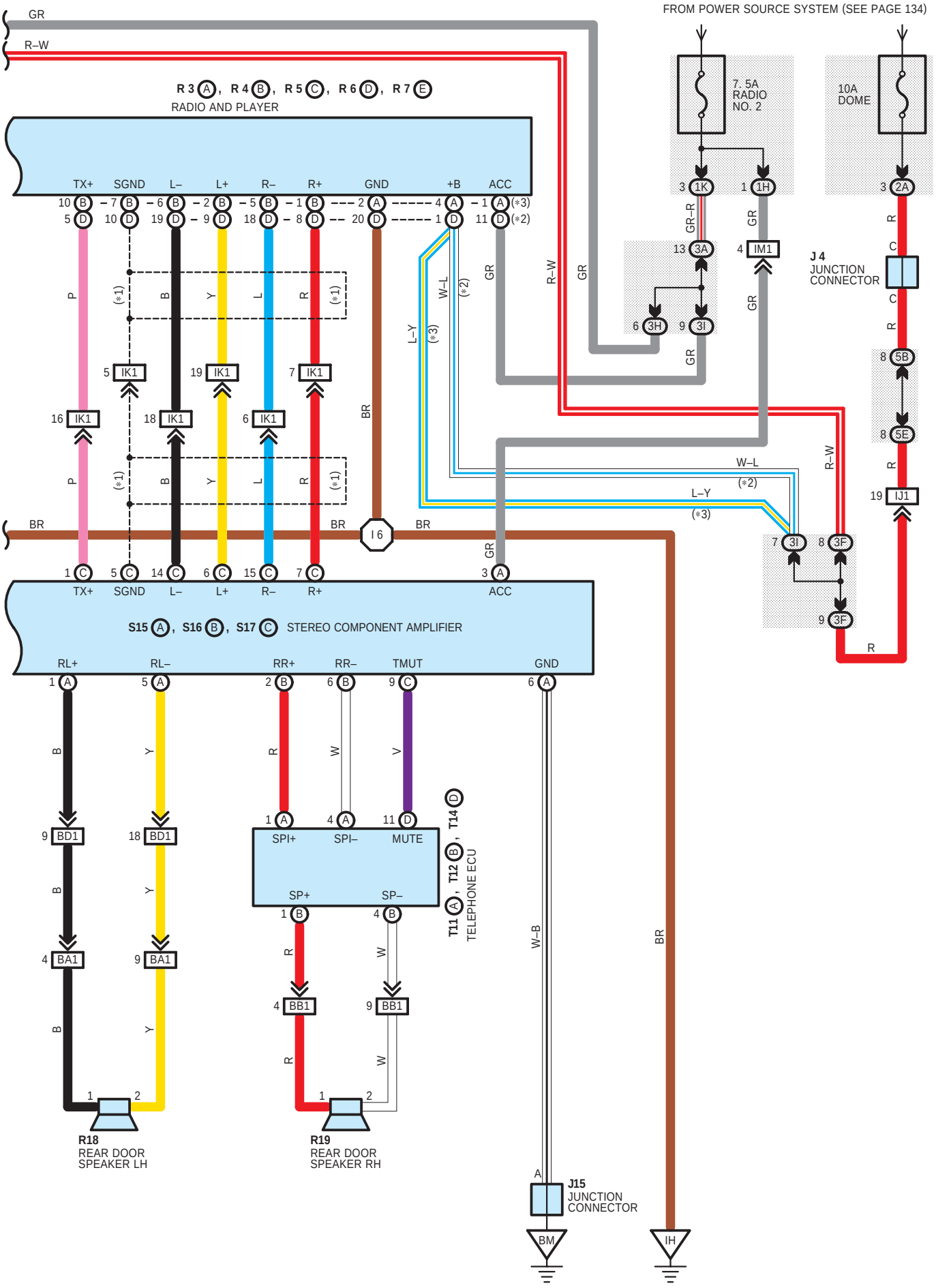
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I10	110 (LHD)	Instrument Panel Wire			

RADIO AND PLAYER (RHD)



＊1 : SHIELDED
＊2 : EUROPE
＊3 : EXCEPT EUROPE
＊4 : W/ LEXUS NAVIGATION SYSTEM
＊5 : W/O LEXUS NAVIGATION SYSTEM



RADIO AND PLAYER (RHD)

SERVICE HINTS

R3 (A) RADIO AND PLAYER (EXCEPT EUROPE)

(A) 1–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 4–GROUND : Always approx. **12** volts
(A) 2–GROUND : Always continuity

R6 (D) RADIO AND PLAYER (EUROPE)

(D)11–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(D) 1–GROUND : Always approx. **12** volts
(D)20–GROUND : Always continuity

S15 (A) STEREO COMPONENT AMPLIFIER

(A) 6–GROUND : Always continuity
(A) 3–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 4–GROUND : Always approx. **12** volts

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C6		100 (RHD)	N3		102 (RHD)	S16	B	103 (RHD)
F14		102 (RHD)	R3	A	101 (RHD)	S17	C	103 (RHD)
F15		102 (RHD)	R4	B	101 (RHD)	T9		101 (RHD)
I16	A	101 (RHD)	R5	C	101 (RHD)	T10		101 (RHD)
I17	B	101 (RHD)	R6	D	101 (RHD)	T11	A	103 (RHD)
J4		101 (RHD)	R7	E	101 (RHD)	T12	B	103 (RHD)
J15		102 (RHD)	R18		103 (RHD)	T14	D	103 (RHD)
M2	A	101 (RHD)	R19		103 (RHD)			
M3	B	101 (RHD)	S15	A	103 (RHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1H		
1J	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
1K		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3F		
3H		
3I		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
IN1	120 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

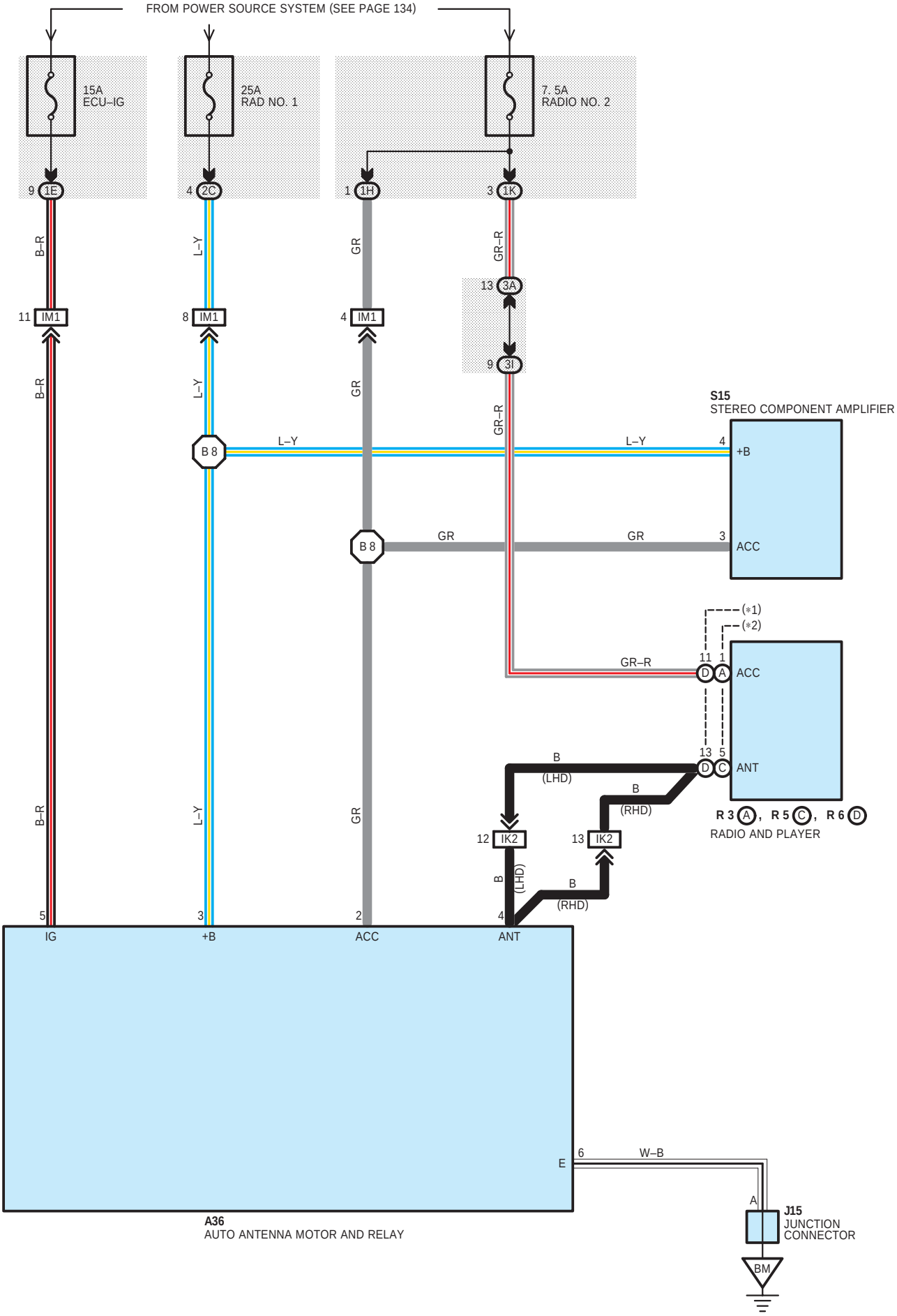
: GROUND POINTS

Code	See Page	Ground Points Location
IH	118 (RHD)	Instrument Panel Brace RH
BM	122 (RHD)	Under the Rear RH Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	120 (RHD)	Instrument Panel Wire			

∗1 : RHD EUROPE, LHD
∗2 : EXCEPT ∗1



SERVICE HINTS

A36 AUTO ANTENNA MOTOR AND RELAY

3–GROUND : Always approx. **12** volts
5–GROUND : Approx. **12** volts with the ignition SW at **ON** position
2–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
A36	94 (LHD)	R3	A	101 (RHD)	S15	95 (LHD)
	102 (RHD)	R5	C	101 (RHD)		103 (RHD)
J15	94 (LHD)	R6	D	93 (LHD)		
	102 (RHD)			101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2C	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3I		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
	120 (RHD)	

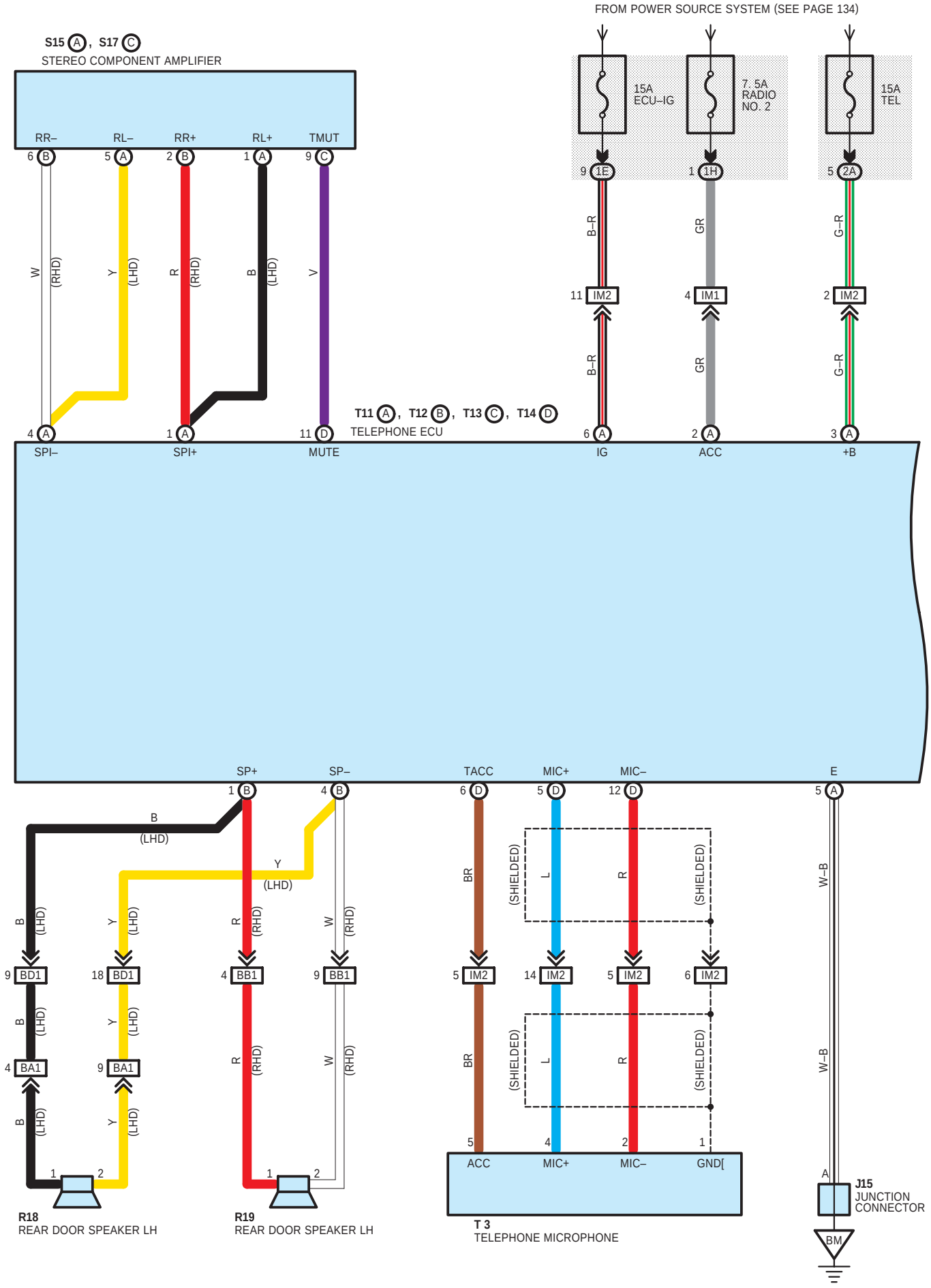
: GROUND POINTS

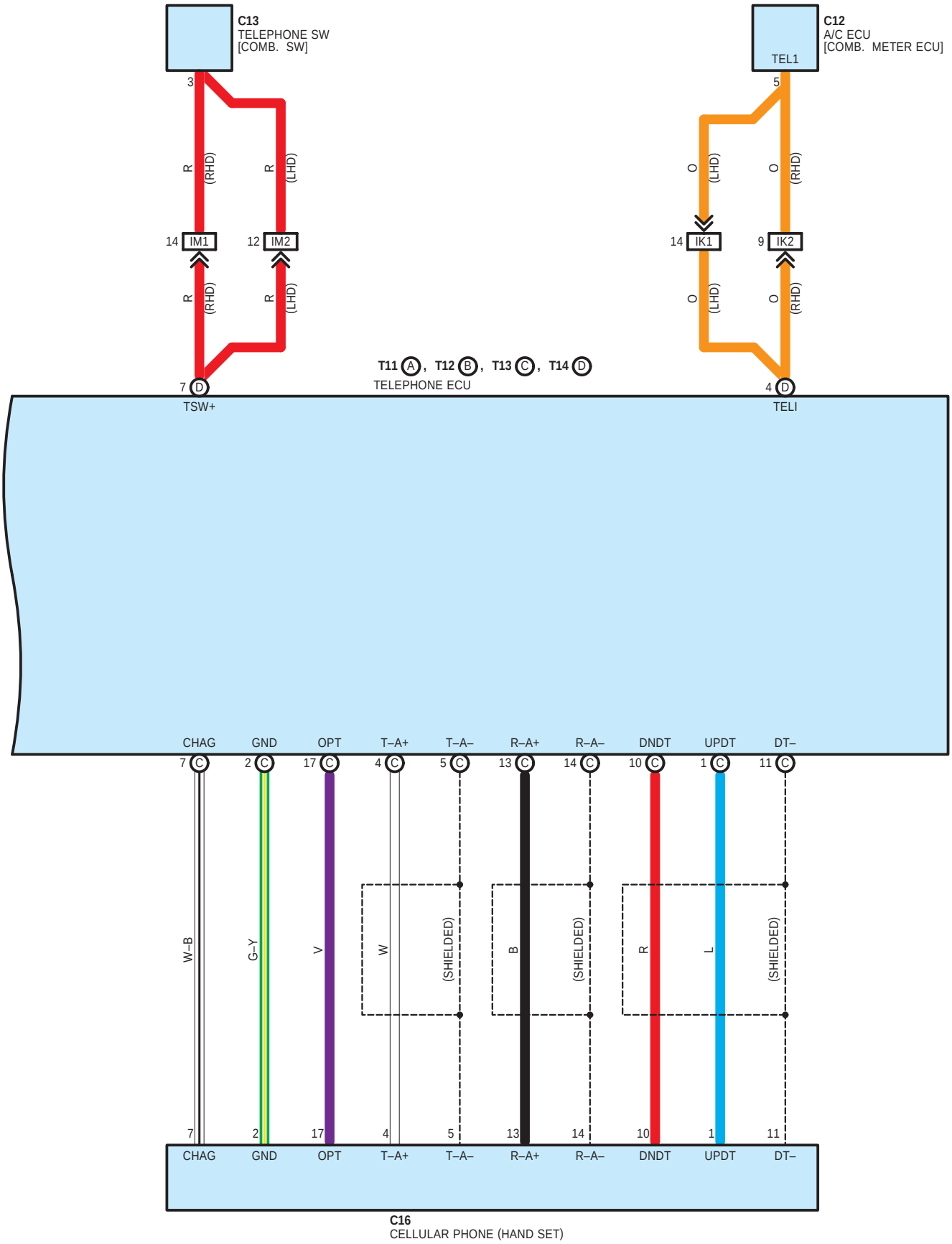
Code	See Page	Ground Points Location
BM	112 (LHD)	Under the Rear RH Seat
	122 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B8	112 (LHD)	Floor Wire	B8	122 (RHD)	Floor Wire

CELLULAR MOBILE TELEPHONE




C13
TELEPHONE SW
[COMB. SW]
C12
A/C ECU
[COMB. METER ECU]
TEL1
3
5
R (RHD)
R (LHD)
O (LHD)
O (RHD)
14 IM1
12 IM2
14 IK1
9 IK2
R (RHD)
R (LHD)
O (LHD)
O (RHD)
T11 A, T12 B, T13 C, T14 D
TELEPHONE ECU
7 D
TSW+
4 D
TELI
CHAG
GND
OPT
T–A+
T–A–
R–A+
R–A–
DNDT
UPDT
DT–
7 C
2 C
17 C
4 C
5 C
13 C
14 C
10 C
1 C
11 C
W–B
G–Y
V
W
(SHIELDED)
B
(SHIELDED)
R
L
(SHIELDED)
7
2
17
4
5
13
14
10
1
11
CHAG
GND
OPT
T–A+
T–A–
R–A+
R–A–
DNDT
UPDT
DT–
C16
CELLULAR PHONE (HAND SET)

CELLULAR MOBILE TELEPHONE

SERVICE HINTS

T11 (A) TELEPHONE ECU

(A) 3–GROUND : Always approx. **12** volts
(A) 6–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A) 5–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C12	92 (LHD)	R18	103 (RHD)	T11 A	95 (LHD)
	100 (RHD)	R19	95 (LHD)		103 (RHD)
C13	92 (LHD)		103 (RHD)	T12 B	95 (LHD)
	100 (RHD)	S15 A	95 (LHD)		103 (RHD)
C16	92 (LHD)		103 (RHD)	T13 C	95 (LHD)
	100 (RHD)	S17 C	95 (LHD)		103 (RHD)
J15	94 (LHD)		103 (RHD)	T14 D	95 (LHD)
	102 (RHD)	T3	93 (LHD)		103 (RHD)
R18	95 (LHD)		101 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1H	78 (LHD)	
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)

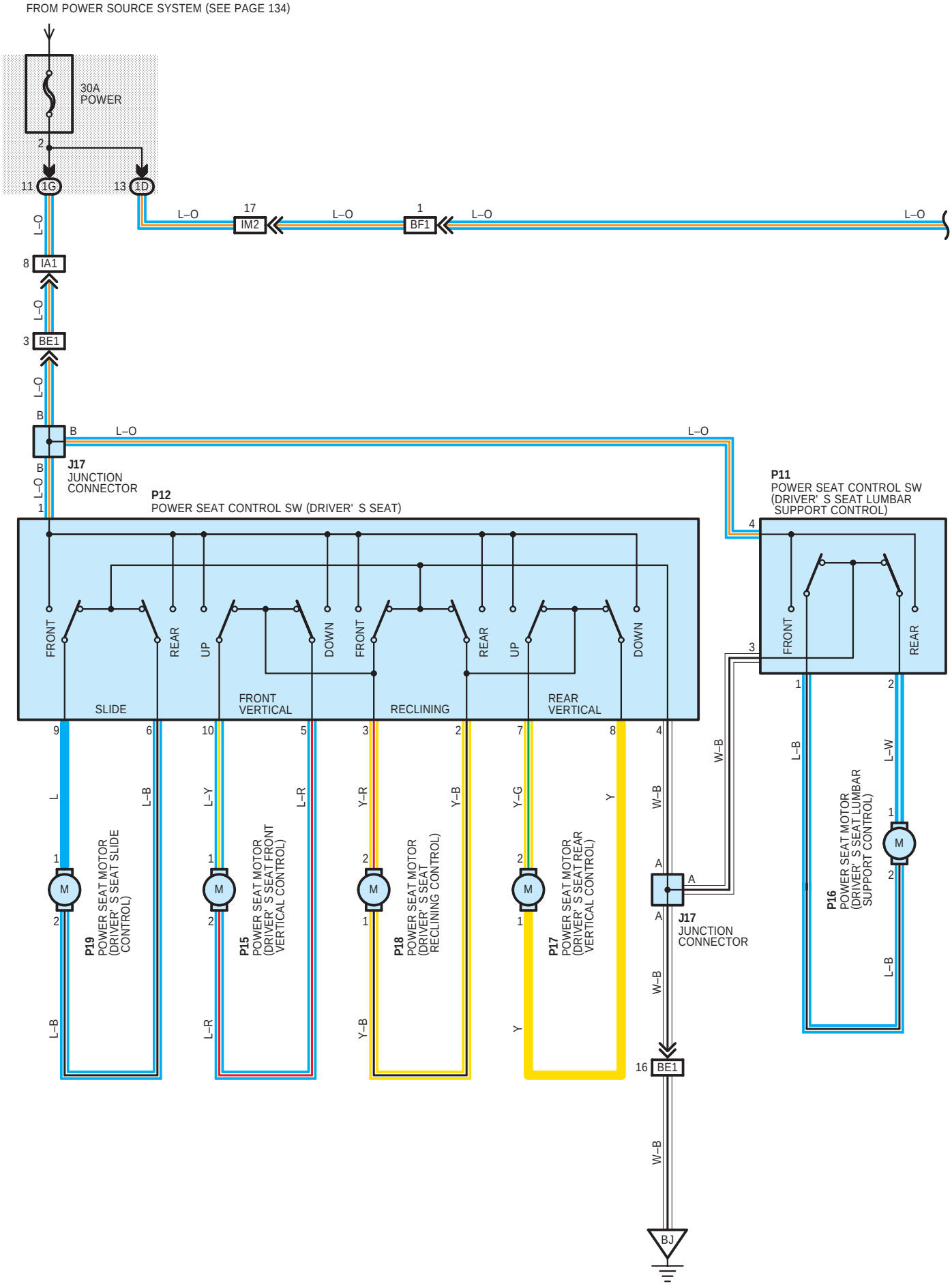
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

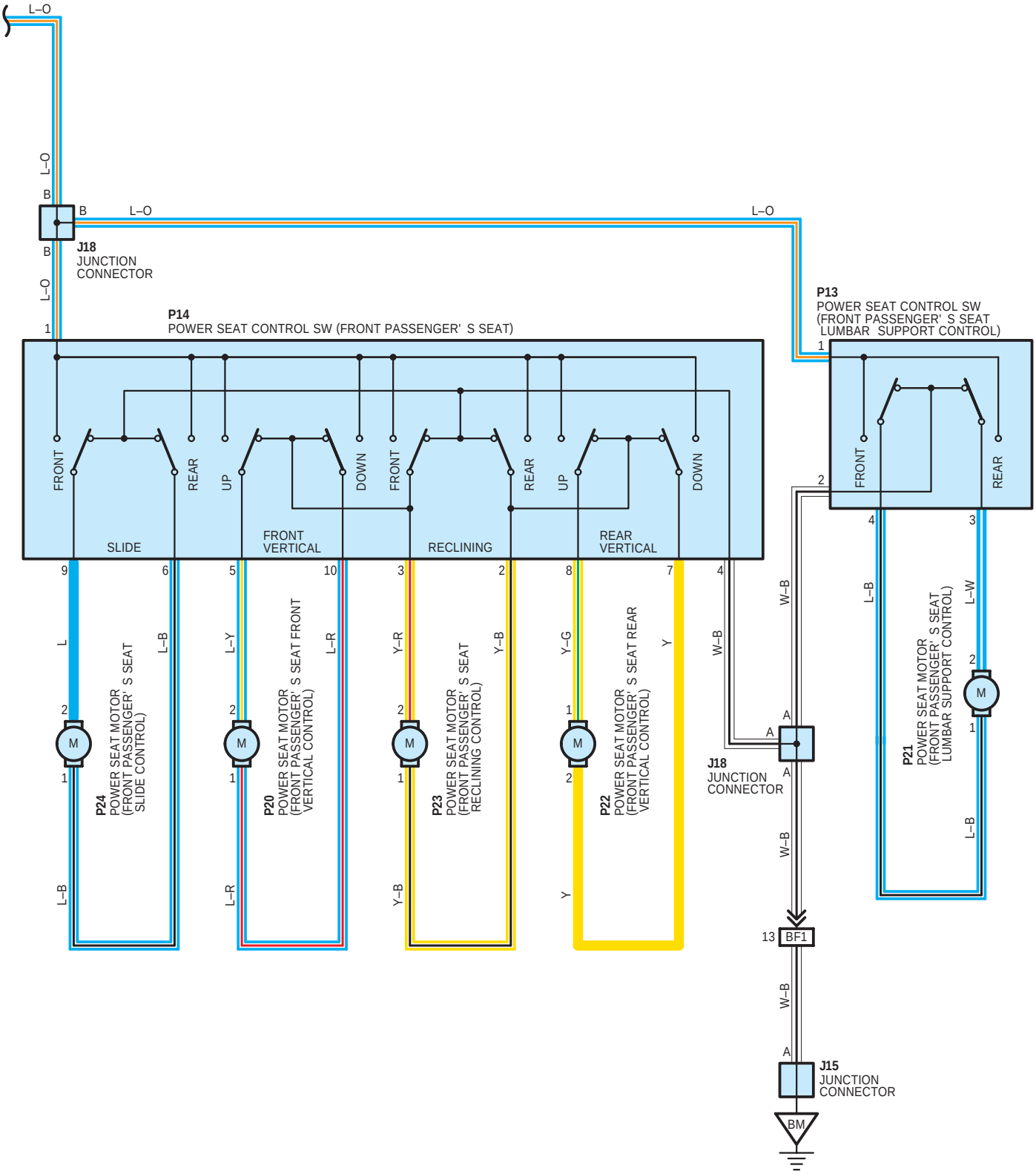
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IK1	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
	120 (RHD)	
IM2	110 (LHD)	
	120 (RHD)	
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

: GROUND POINTS

Code	See Page	Ground Points Location
BM	112 (LHD)	Under the Rear RH Seat
	122 (RHD)	

POWER SEAT (LHD)




L–O
B
J18
JUNCTION
CONNECTOR
P14
POWER SEAT CONTROL SW (FRONT PASSENGER' S SEAT)
P13
POWER SEAT CONTROL SW
(FRONT PASSENGER' S SEAT
LUMBAR SUPPORT CONTROL)
FRONT
REAR
UP
DOWN
SLIDE
FRONT
VERTICAL
RECLINING
REAR
VERTICAL
P24
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
SLIDE CONTROL)
P20
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT FRONT
VERTICAL CONTROL)
P23
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
RECLINING CONTROL)
P22
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT REAR
VERTICAL CONTROL)
P21
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
LUMBAR SUPPORT CONTROL)
J18
JUNCTION
CONNECTOR
BF1
J15
JUNCTION
CONNECTOR
BM
W–B
L–B
L–Y
L–R
Y–R
Y–B
Y–G
L–W

POWER SEAT (LHD)

SERVICE HINTS

P12 POWER SEAT CONTROL SW (DRIVER'S SEAT)

1–GROUND : Always approx. **12** volts
4–GROUND : Always continuity

P14 POWER SEAT CONTROL SW (FRONT PASSENGER'S SEAT)

1–GROUND : Always approx. **12** volts
4–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J15	94 (LHD)	P14	96 (LHD)	P20	96 (LHD)
J17	96 (LHD)	P15	96 (LHD)	P21	96 (LHD)
J18	96 (LHD)	P16	96 (LHD)	P22	96 (LHD)
P11	96 (LHD)	P17	96 (LHD)	P23	96 (LHD)
P12	96 (LHD)	P18	96 (LHD)	P24	96 (LHD)
P13	96 (LHD)	P19	96 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		

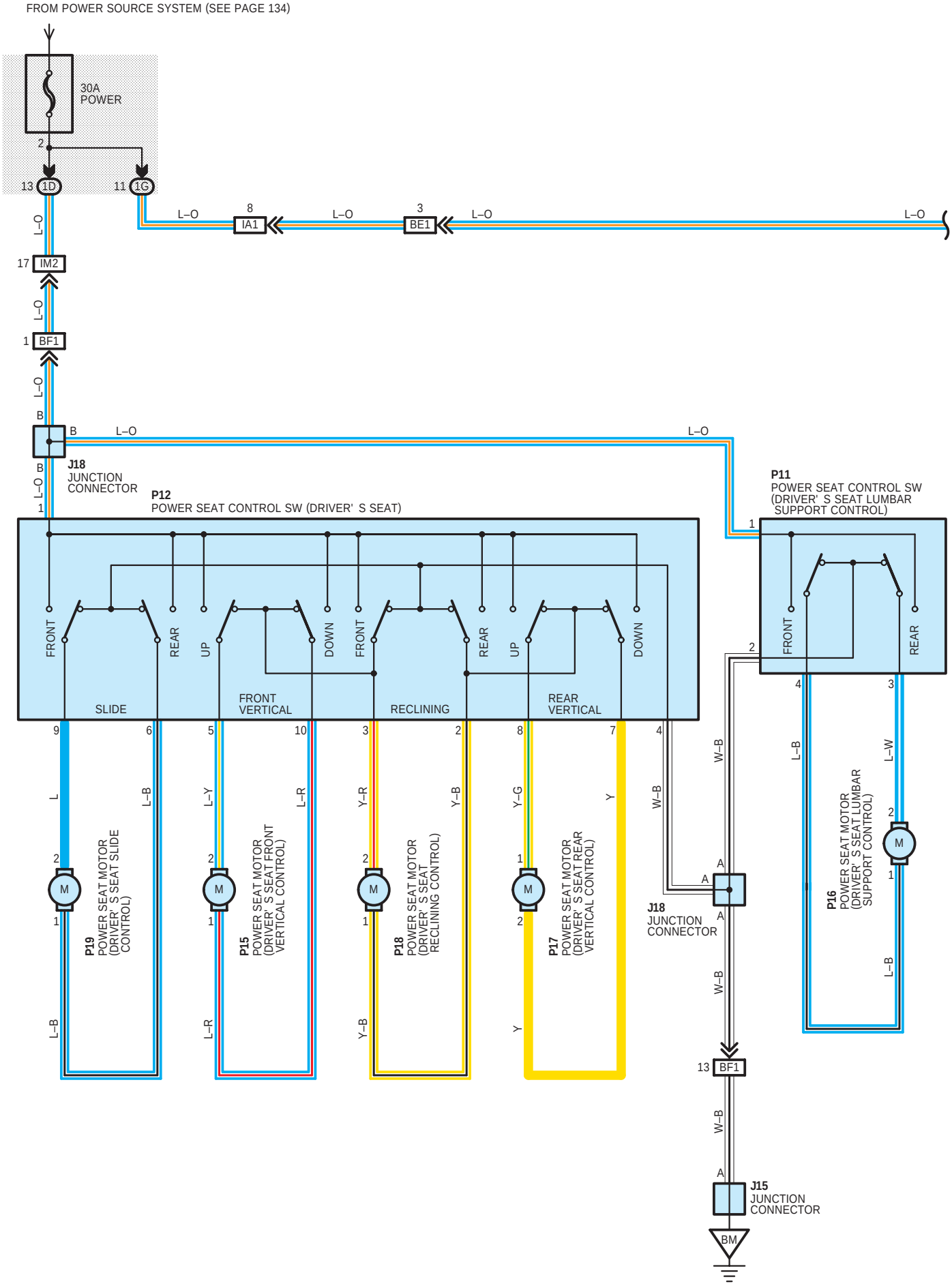
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

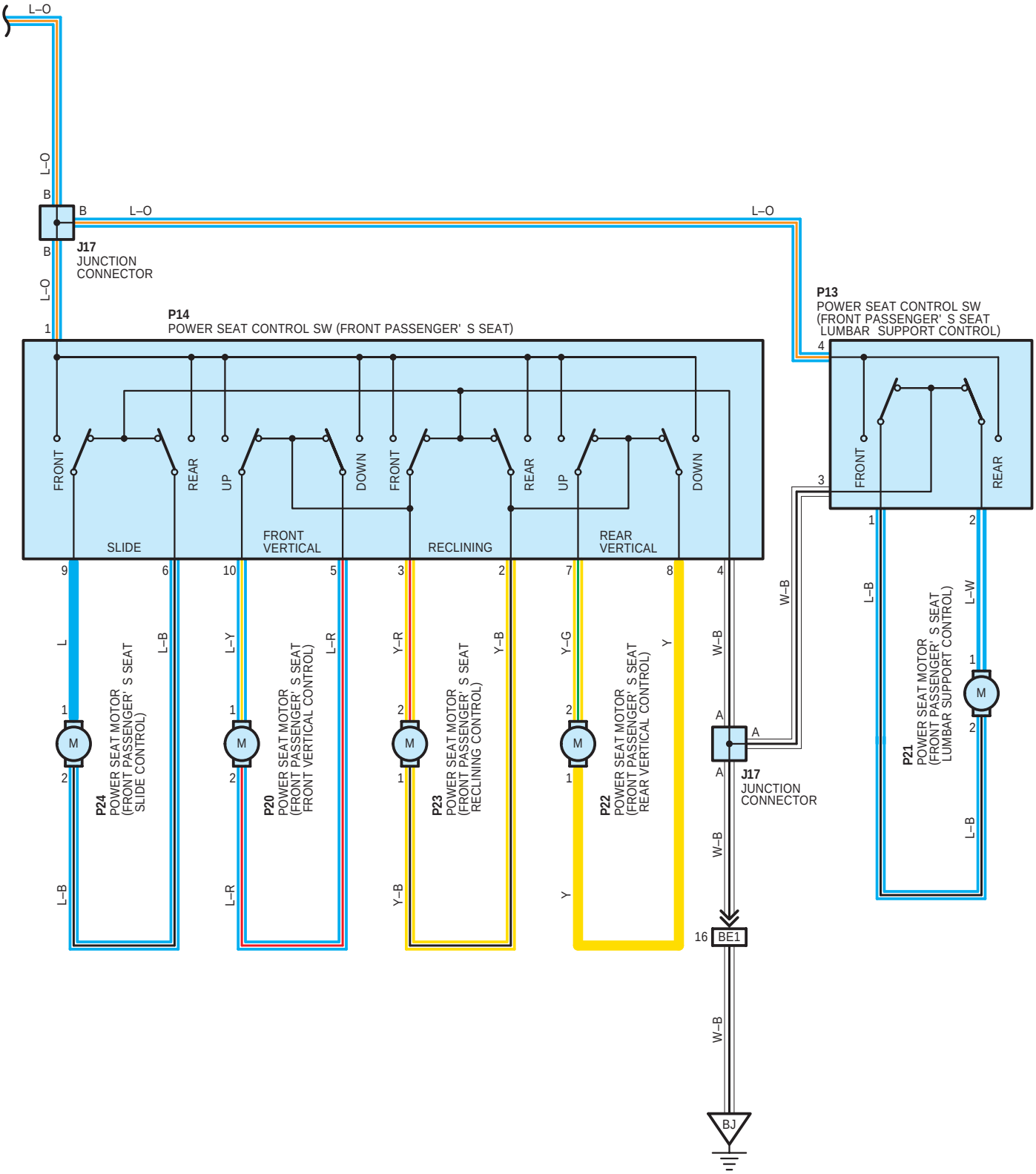
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IM2	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BE1	114 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BF1	114 (LHD)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BJ	112 (LHD)	Under the Left Center Pillar
BM	112 (LHD)	Under the Rear RH Seat

POWER SEAT (RHD)




L–O
B
J17
JUNCTION
CONNECTOR
P14
POWER SEAT CONTROL SW (FRONT PASSENGER' S SEAT)
P13
POWER SEAT CONTROL SW
(FRONT PASSENGER' S SEAT
LUMBAR SUPPORT CONTROL)
FRONT
REAR
UP
DOWN
SLIDE
FRONT
VERTICAL
RECLINING
REAR
VERTICAL
P24
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
SLIDE CONTROL)
P20
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
FRONT VERTICAL CONTROL)
P23
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
RECLINING CONTROL)
P22
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
REAR VERTICAL CONTROL)
P21
POWER SEAT MOTOR
(FRONT PASSENGER' S SEAT
LUMBAR SUPPORT CONTROL)
J17
JUNCTION
CONNECTOR
BE1
BJ
W–B
L–B
L–O
L
L–Y
L–R
Y–R
Y–B
Y–G
Y
L–W

POWER SEAT (RHD)

SERVICE HINTS

P12 POWER SEAT CONTROL SW (DRIVER'S SEAT)

1–GROUND : Always approx. **12** volts
4–GROUND : Always continuity

P14 POWER SEAT CONTROL SW (FRONT PASSENGER'S SEAT)

1–GROUND : Always approx. **12** volts
4–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J15	102 (RHD)	P14	104 (RHD)	P20	104 (RHD)
J17	104 (RHD)	P15	104 (RHD)	P21	104 (RHD)
J18	104 (RHD)	P16	104 (RHD)	P22	104 (RHD)
P11	104 (RHD)	P17	104 (RHD)	P23	104 (RHD)
P12	104 (RHD)	P18	104 (RHD)	P24	104 (RHD)
P13	104 (RHD)	P19	104 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1G		

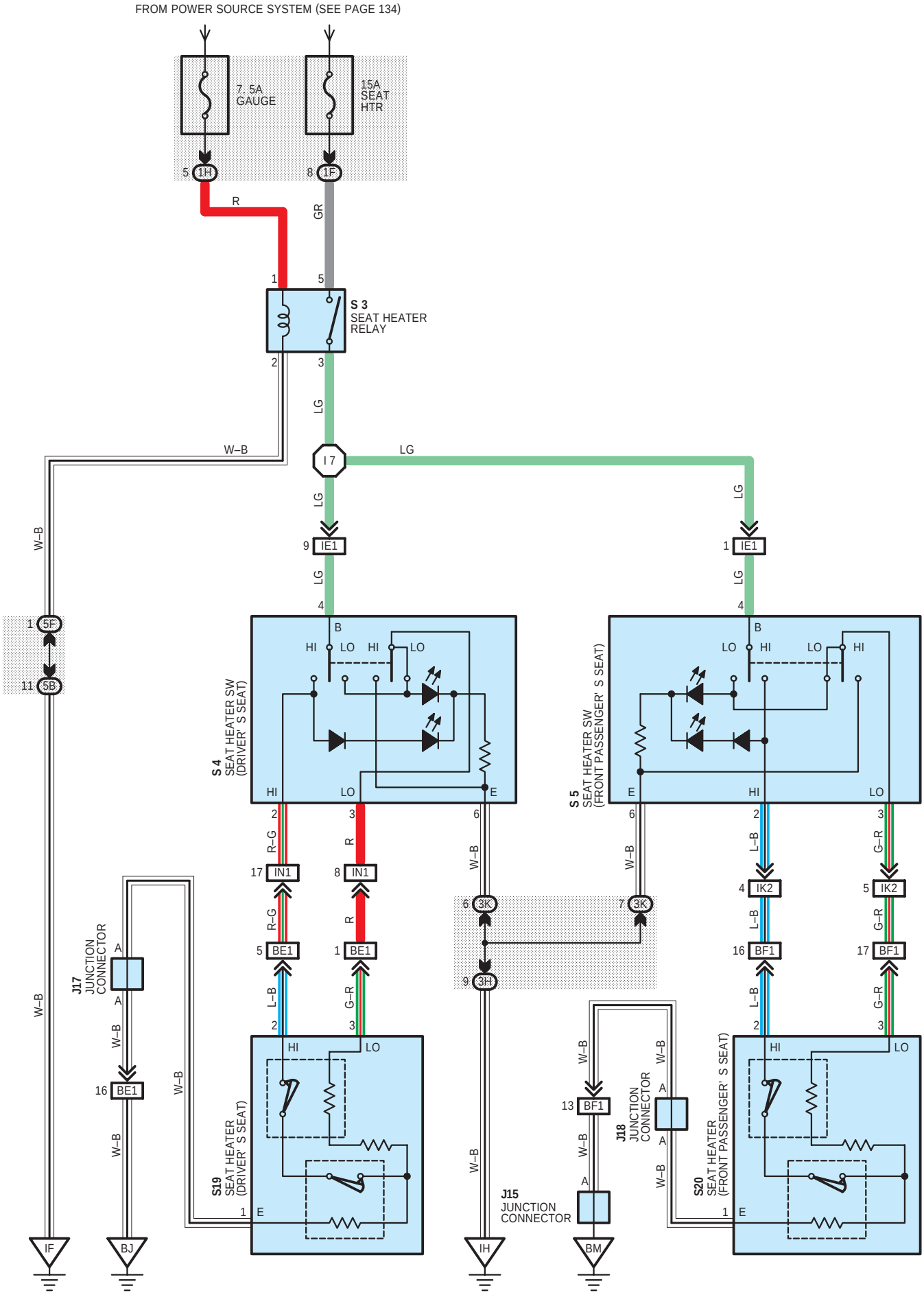
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IM2	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BE1	124 (RHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Front Passenger's Seat)
BF1	124 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BJ	122 (RHD)	Under the Left Center Pillar
BM	122 (RHD)	Under the Rear RH Seat

SEAT HEATER (LHD)



SERVICE HINTS

S4, S5 SEAT HEATER SW (DRIVER'S SEAT), (FRONT PASSENGER'S SEAT)

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

6–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J15	94 (LHD)	S3	93 (LHD)	S19	96 (LHD)
J17	96 (LHD)	S4	93 (LHD)	S20	96 (LHD)
J18	96 (LHD)	S5	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1H		
3H	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IN1	110 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)
BE1	114 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BF1	114 (LHD)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

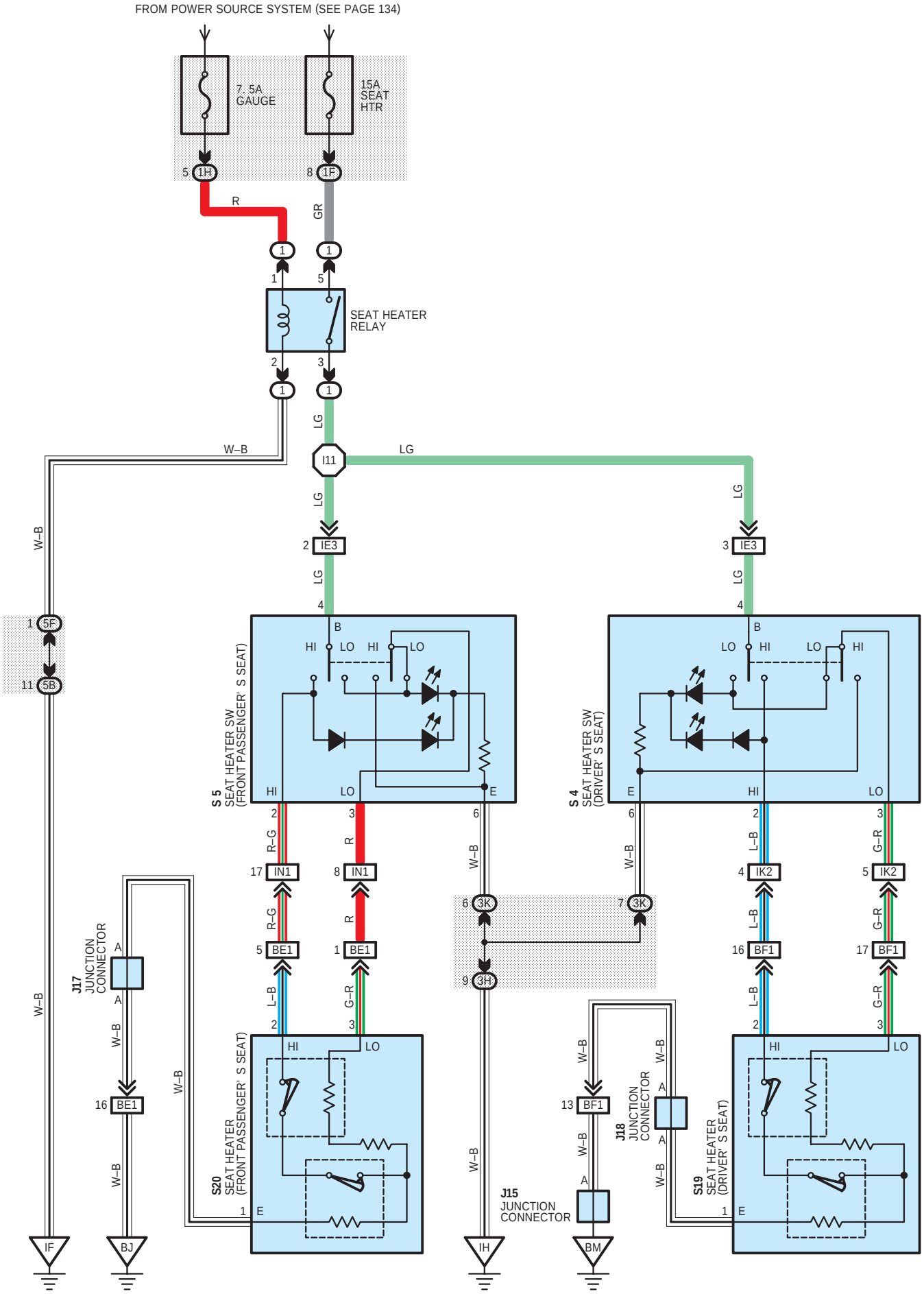
: GROUND POINTS

Code	See Page	Ground Points Location
IF	108 (LHD)	Dash Panel Center
IH	108 (LHD)	Instrument Panel Brace RH
BJ	112 (LHD)	Under the Left Center Pillar
BM	112 (LHD)	Under the Rear RH Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	110 (LHD)	Cowl Wire			

SEAT HEATER (RHD)



SERVICE HINTS

S4, S5 SEAT HEATER SW (DRIVER'S SEAT), (FRONT PASSENGER'S SEAT)

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

6–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J15	102 (RHD)	S4	101 (RHD)	S20	104 (RHD)
J17	104 (RHD)	S5	101 (RHD)		
J18	104 (RHD)	S19	104 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1H		
3H	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

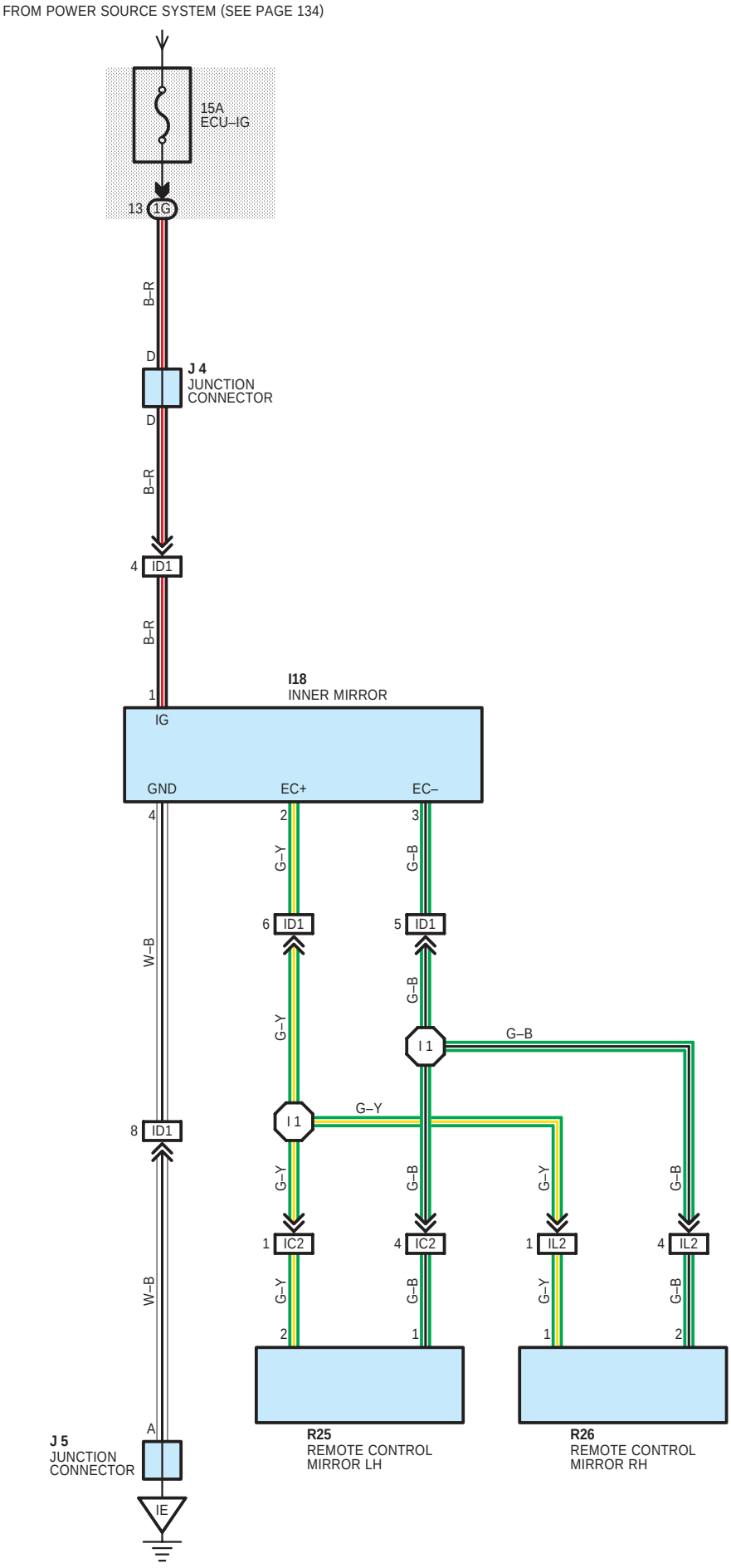
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IK2	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IN1	120 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Instrument Panel Brace LH)
BE1	124 (RHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Front Passenger's Seat)
BF1	124 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

: GROUND POINTS

Code	See Page	Ground Points Location
IF	118 (RHD)	Dash Panel Center
IH	118 (RHD)	Instrument Panel Brace RH
BJ	122 (RHD)	Under the Left Center Pillar
BM	122 (RHD)	Under the Rear RH Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I11	120 (RHD)	Cowl Wire			


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A
ECU–IG
13
1G
B–R
D
J 4
JUNCTION
CONNECTOR
D
B–R
4
ID1
B–R
1
I18
INNER MIRROR
IG
GND
EC+
EC–
4
2
3
G–Y
G–B
6
ID1
5
ID1
G–Y
G–B
I 1
G–B
G–Y
I 1
W–B
8
ID1
G–Y
G–B
G–Y
G–B
1
IC2
4
IC2
1
IL2
4
IL2
G–Y
G–B
G–Y
G–B
2
1
1
2
W–B
A
J 5
JUNCTION
CONNECTOR
IE
R25
REMOTE CONTROL
MIRROR LH
R26
REMOTE CONTROL
MIRROR RH

SERVICE HINTS

I18 INNER MIRROR

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

4–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
I18	94 (LHD)	J5	93 (LHD)	R26	95 (LHD)
	102 (RHD)		101 (RHD)		103 (RHD)
J4	93 (LHD)	R25	95 (LHD)		
	101 (RHD)		103 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
	118 (RHD)	
ID1	108 (LHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
	118 (RHD)	
IL2	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
	120 (RHD)	

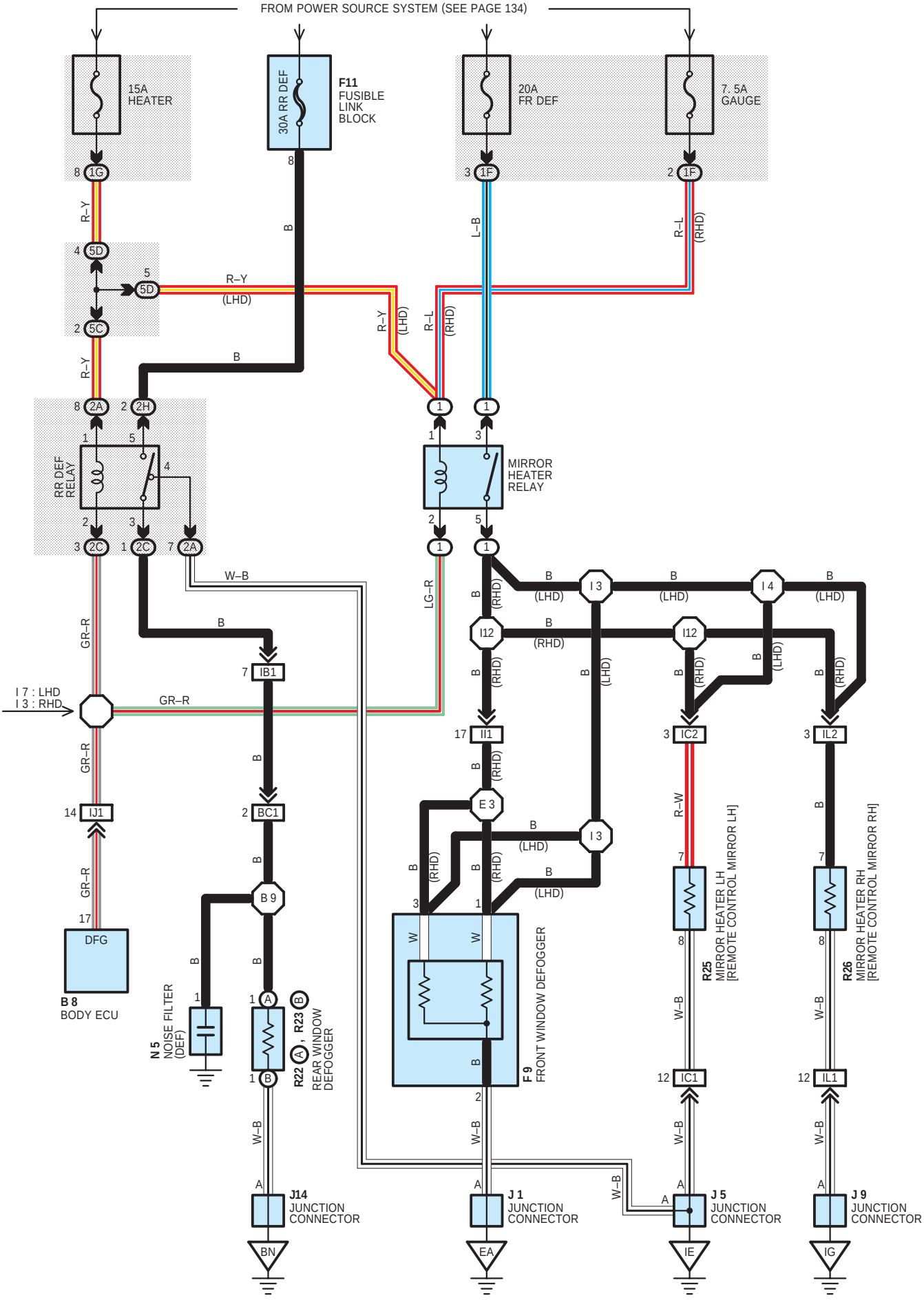
: GROUND POINTS

Code	See Page	Ground Points Location
IE	108 (LHD)	Cowl Side Panel LH
	118 (RHD)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	110 (LHD)	Cowl Wire	I1	120 (RHD)	Cowl Wire

MIRROR HEATER AND WINDOW DEFOGGER



SERVICE HINTS

RR DEF RELAY

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

: PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
B8	92 (LHD)	J5	93 (LHD)	R22	A	95 (LHD)
	100 (RHD)		101 (RHD)			103 (RHD)
F9	90 (LHD)	J9	93 (LHD)	R23	B	95 (LHD)
	98 (RHD)		101 (RHD)			103 (RHD)
F11	90 (LHD)	J14	94 (LHD)	R25		95 (LHD)
	98 (RHD)		102 (RHD)			103 (RHD)
J1	91 (LHD)	N5	94 (LHD)	R26		95 (LHD)
	99 (RHD)		102 (RHD)			103 (RHD)

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1G	78 (LHD)	
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2H	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
5C	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	108 (LHD)	Floor No. 2 Wire and Cowl Wire (Left Kick Panel)
	118 (RHD)	
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
	118 (RHD)	
IC2	108 (LHD)	
	118 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
	120 (RHD)	
IL2	110 (LHD)	
	120 (RHD)	
BC1	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
	122 (RHD)	

MIRROR HEATER AND WINDOW DEFOGGER

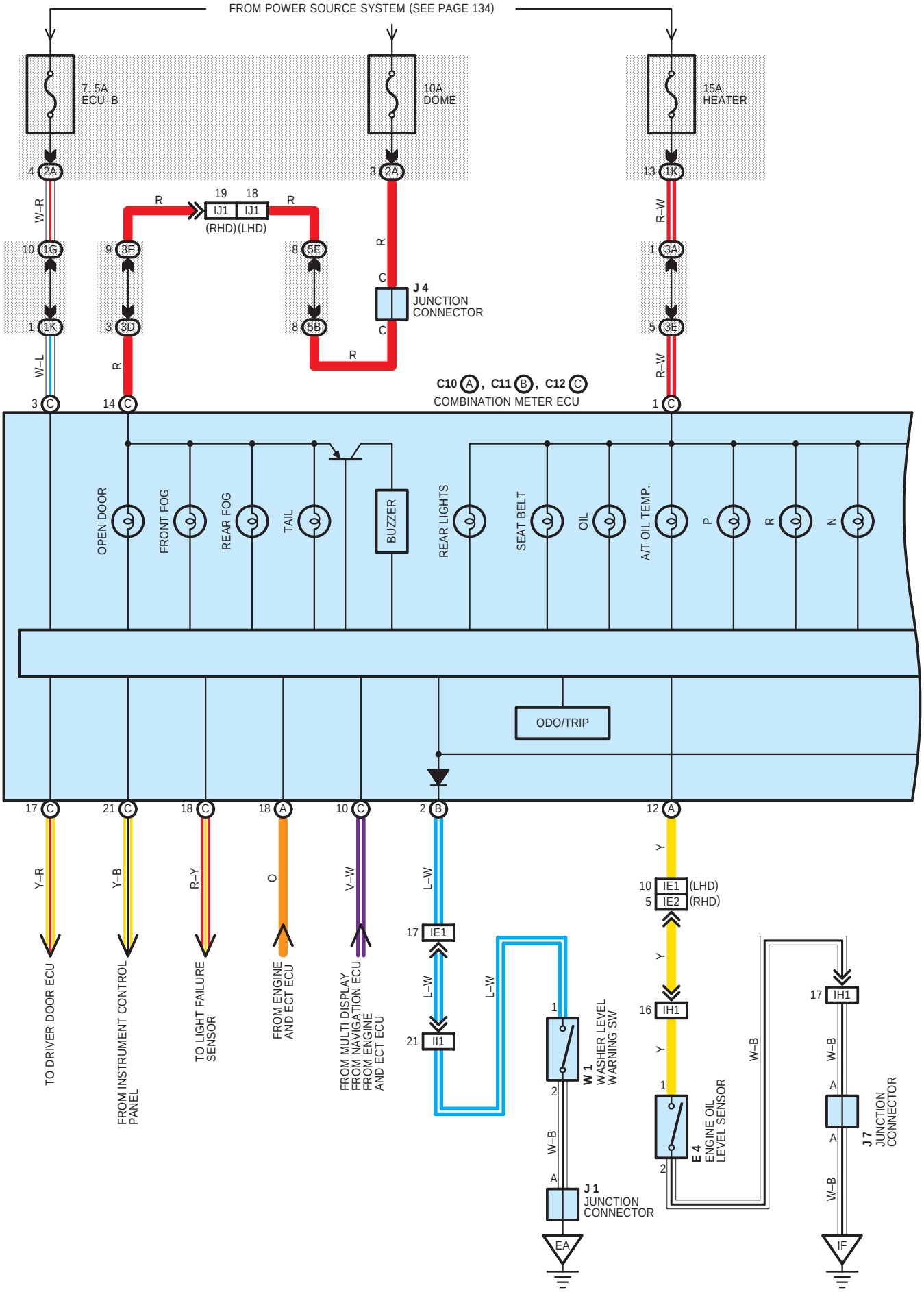
: GROUND POINTS

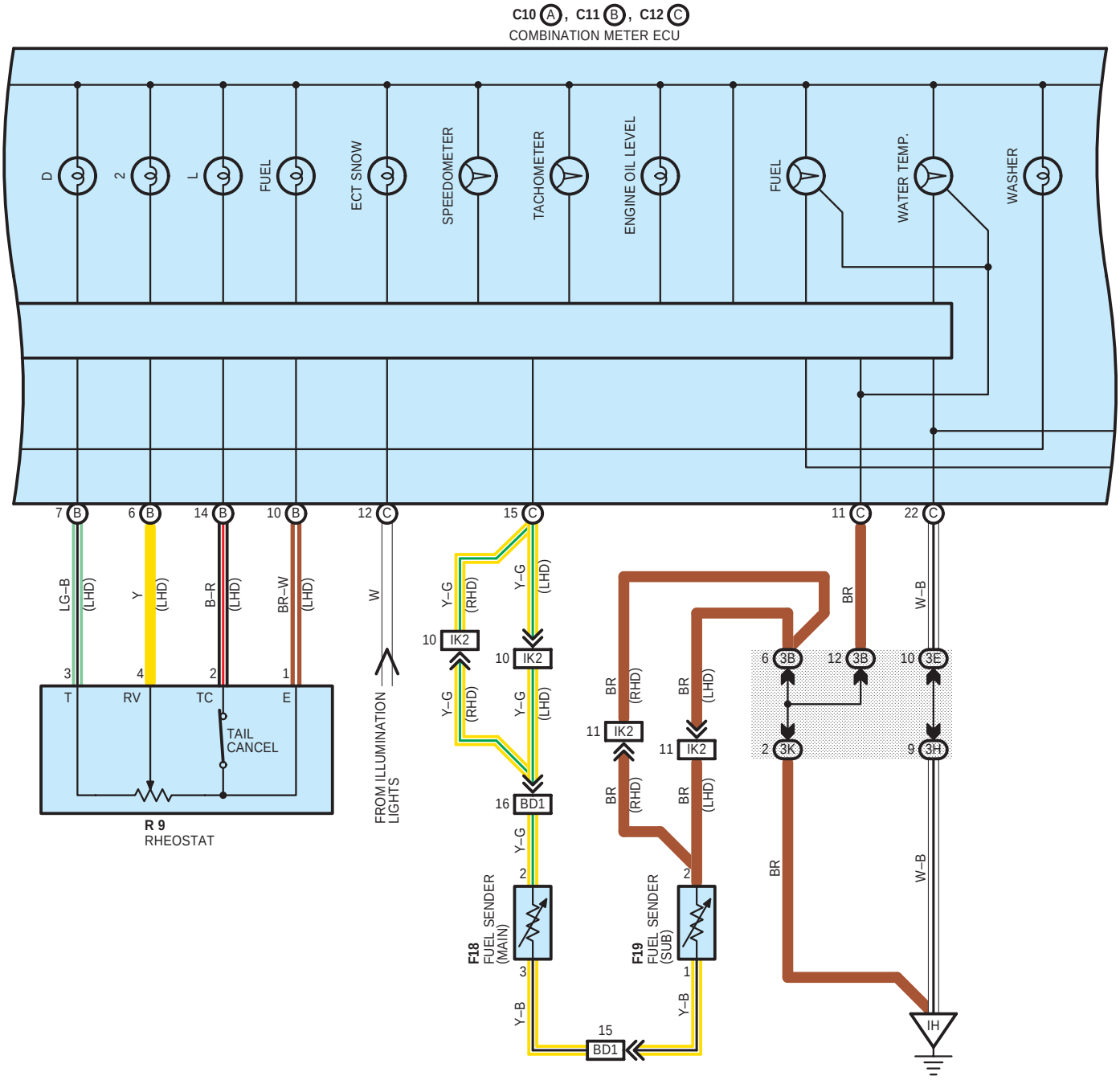
Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
IE	108 (LHD)	Cowl Side Panel LH
	118 (RHD)	
IG	108 (LHD)	Cowl Side Panel RH
	118 (RHD)	
BN	112 (LHD)	Back Panel Center
	122 (RHD)	

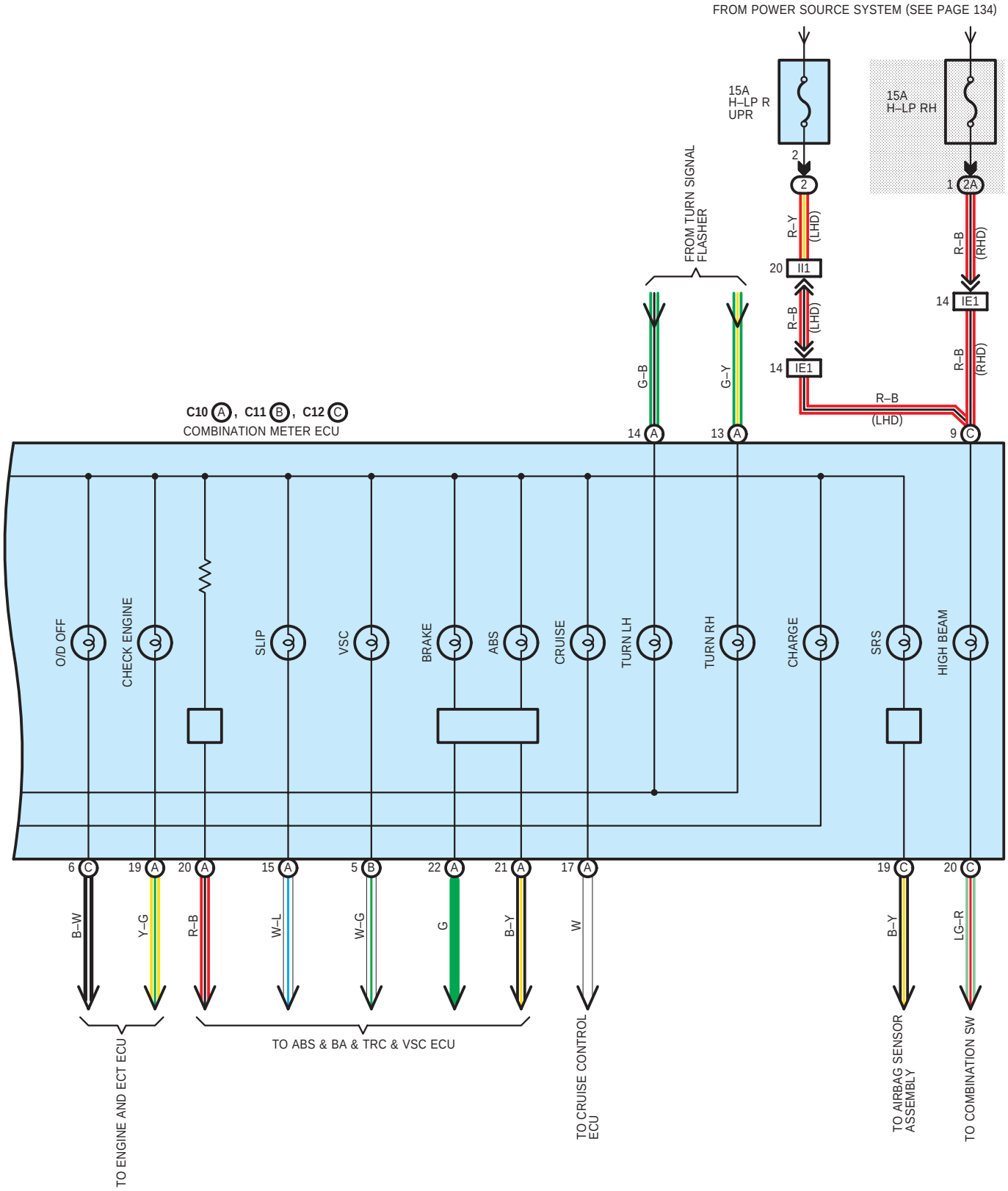
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	116 (RHD)	Engine Room Main Wire	I7	110 (LHD)	Cowl Wire
I3	110 (LHD)	Cowl Wire	I12	120 (RHD)	
	120 (RHD)		B9	112 (LHD)	Back Door No.1 Wire
I4	110 (LHD)			122 (RHD)	

COMBINATION METER




C10 A, C11 B, C12 C
COMBINATION METER ECU
D
2
L
FUEL
ECT SNOW
SPEEDOMETER
TACHOMETER
ENGINE OIL LEVEL
FUEL
WATER TEMP.
WASHER
7 B
6 B
14 B
10 B
12 C
15 C
11 C
22 C
LG–B (LHD)
Y (LHD)
B–R (LHD)
BR–W (LHD)
W
Y–G (RHD)
Y–G (LHD)
BR
W–B
3 T
4 RV
2 TC
1 E
TAIL CANCEL
R 9
RHEOSTAT
FROM ILLUMINATION LIGHTS
10 IK2
BR (RHD)
BR (LHD)
11 IK2
16 BD1
6 3B
12 3B
10 3E
2 3K
9 3H
F18 FUEL SENDER (MAIN)
F19 FUEL SENDER (SUB)
Y–B
15 BD1
IH


FROM POWER SOURCE SYSTEM (SEE PAGE 134)
15A
H–LP R
UPR
15A
H–LP RH
2
2
1
2A
FROM TURN SIGNAL
FLASHER
R–Y
(LHD)
R–B
(RHD)
20
II1
14
IE1
R–B
(LHD)
R–B
(RHD)
14
IE1
R–B
(LHD)
G–B
G–Y
C10 A, C11 B, C12 C
COMBINATION METER ECU
14 A
13 A
9 C
O/D OFF
CHECK ENGINE
SLIP
VSC
BRAKE
ABS
CRUISE
TURN LH
TURN RH
CHARGE
SRS
HIGH BEAM
6 C
19 A
20 A
15 A
5 B
22 A
21 A
17 A
19 C
20 C
B–W
Y–G
R–B
W–L
W–G
G
B–Y
W
B–Y
LG–R
TO ENGINE AND ECT ECU
TO ABS & BA & TRC & VSC ECU
TO CRUISE CONTROL ECU
TO AIRBAG SENSOR ASSEMBLY
TO COMBINATION SW

SERVICE HINTS

C12 (C) COMBINATION METER ECU

(C)14–GROUND : Always approx. **12** volts
(C) 1–GROUND : Approx. **12** volts with the ignition SW at **ON** position
(C)11–GROUND : Always continuity
(C)22–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
C10	A	92 (LHD)	E4	98 (RHD)	J4	93 (LHD)
		100 (RHD)	F18	94 (LHD)		101 (RHD)
C11	B	92 (LHD)		102 (RHD)	J7	93 (LHD)
		100 (RHD)	F19	94 (LHD)		101 (RHD)
C12	C	92 (LHD)		102 (RHD)	R9	93 (LHD)
		100 (RHD)	J1	91 (LHD)	W1	91 (LHD)
E4		90 (LHD)		99 (RHD)		99 (RHD)

⬭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3H		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5E		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

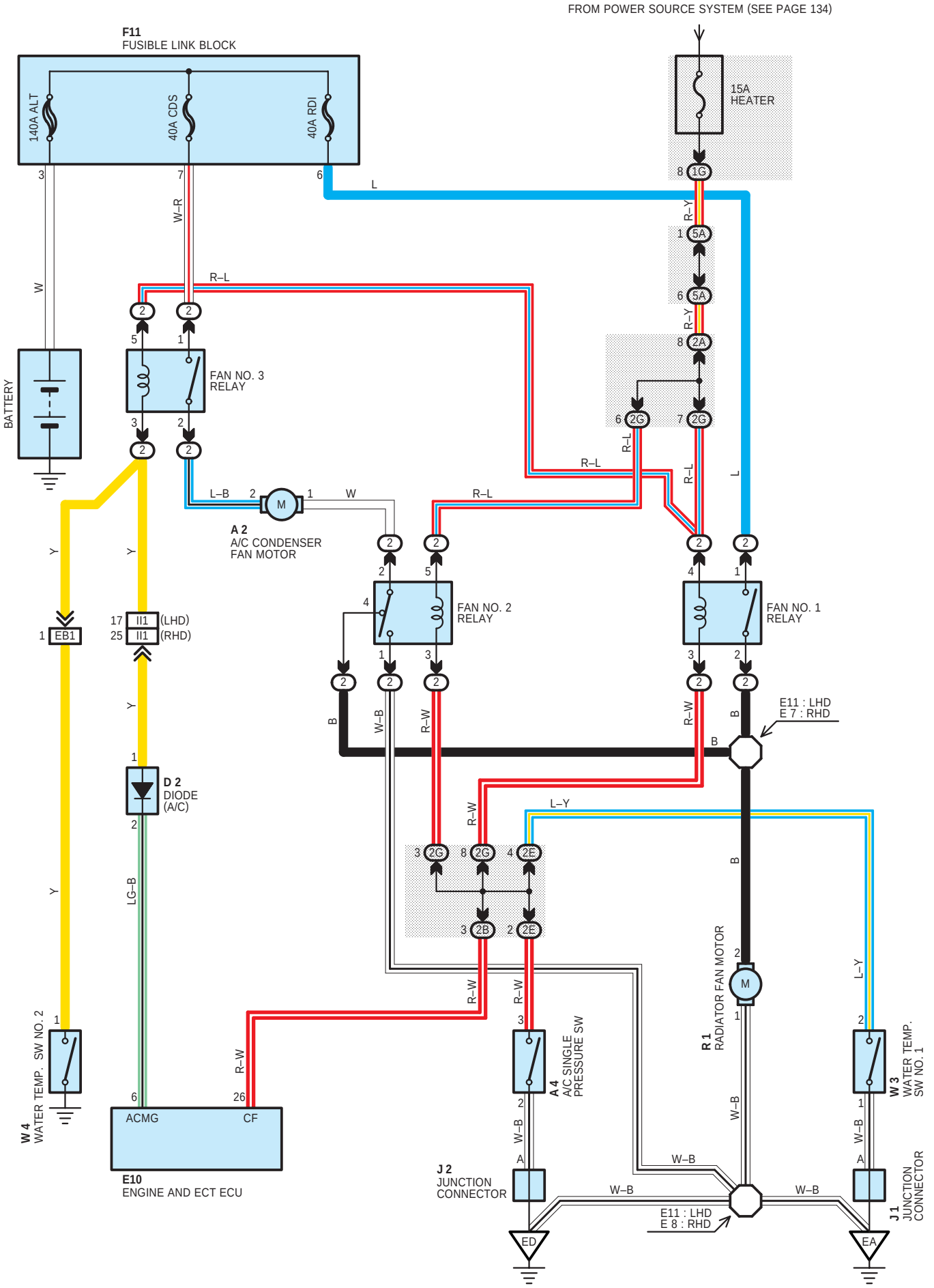
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
	118 (RHD)	
IE2	118 (RHD)	
IH1	110 (LHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
	120 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)
	122 (RHD)	

COMBINATION METER

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
IF	108 (LHD)	Dash Panel Center
	118 (RHD)	
IH	108 (LHD)	Instrument Panel Brace RH
	118 (RHD)	

RADIATOR FAN AND CONDENSER FAN



SYSTEM OUTLINE

LOW SPEED OPERATION

When the A/C system is operated, or the water temp. SW no.2 is turned on, the A/C condenser fan motor and radiator fan motor rotate at low speed.

HIGH SPEED OPERATION

When the A/C single pressure SW is turned on, or the water temp. SW no.1 is turned on, the A/C condenser fan motor and radiator fan motor rotate at high speed.

SERVICE HINTS

A4 A/C SINGLE PRESSURE SW

3–2 : Close above approx. **18.0** kgf/cm^2 (**256** psi, **1765** kpa)
Open below approx. **14.0** kgf/cm^2 (**199** psi, **1372** kpa)

W3 WATER TEMP. SW NO. 1

2–1 : Close above approx. **95**˚C (**203**˚F)

W4 WATER TEMP. SW NO. 2

1–GROUND : Close above approx. **90**˚C (**198**˚F)

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A2	90 (LHD)	E10	100 (RHD)	R1	91 (LHD)
	98 (RHD)	F11	90 (LHD)		99 (RHD)
A4	90 (LHD)		98 (RHD)	W3	91 (LHD)
	98 (RHD)	J1	91 (LHD)		99 (RHD)
D2	92 (LHD)		99 (RHD)	W4	91 (LHD)
	100 (RHD)	J2	91 (LHD)		99 (RHD)
E10	92 (LHD)		99 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
	80 (RHD)	
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2B		
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
5A	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	106 (LHD)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	116 (RHD)	
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
	120 (RHD)	

RADIATOR FAN AND CONDENSER FAN

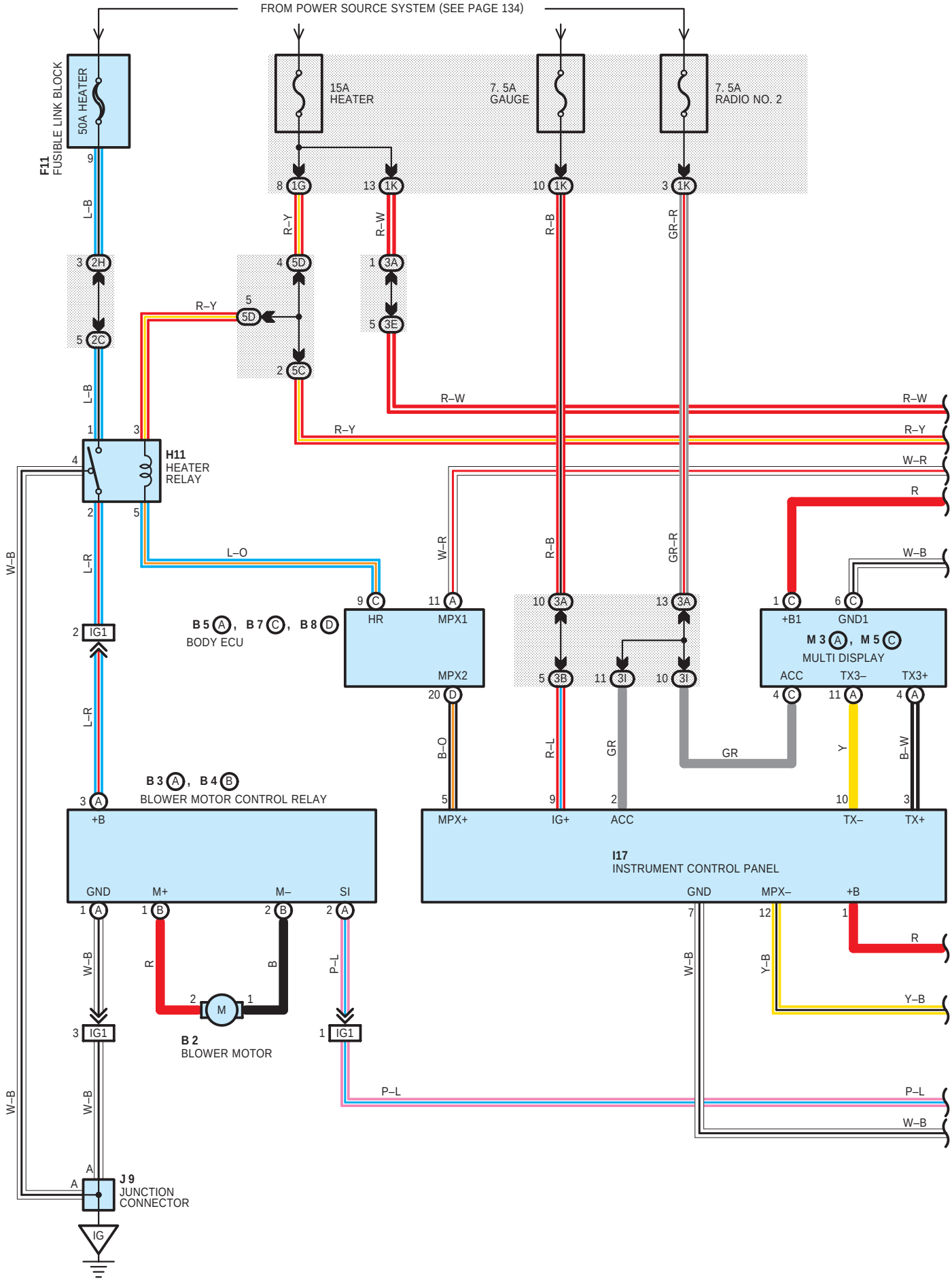
: GROUND POINTS

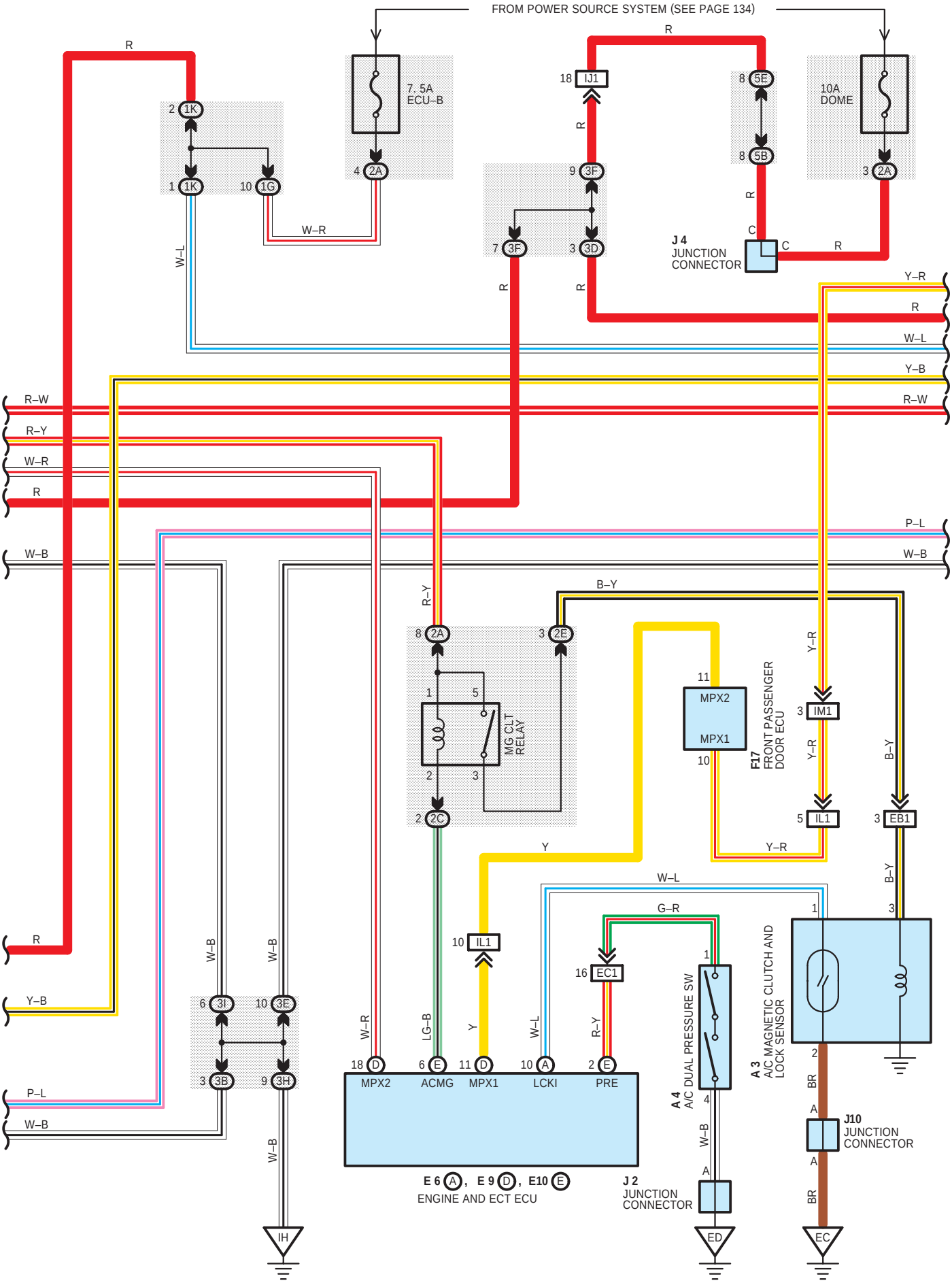
Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
	116 (RHD)	
ED	106 (LHD)	Right Radiator Side Support
	116 (RHD)	

: SPLICE POINTS

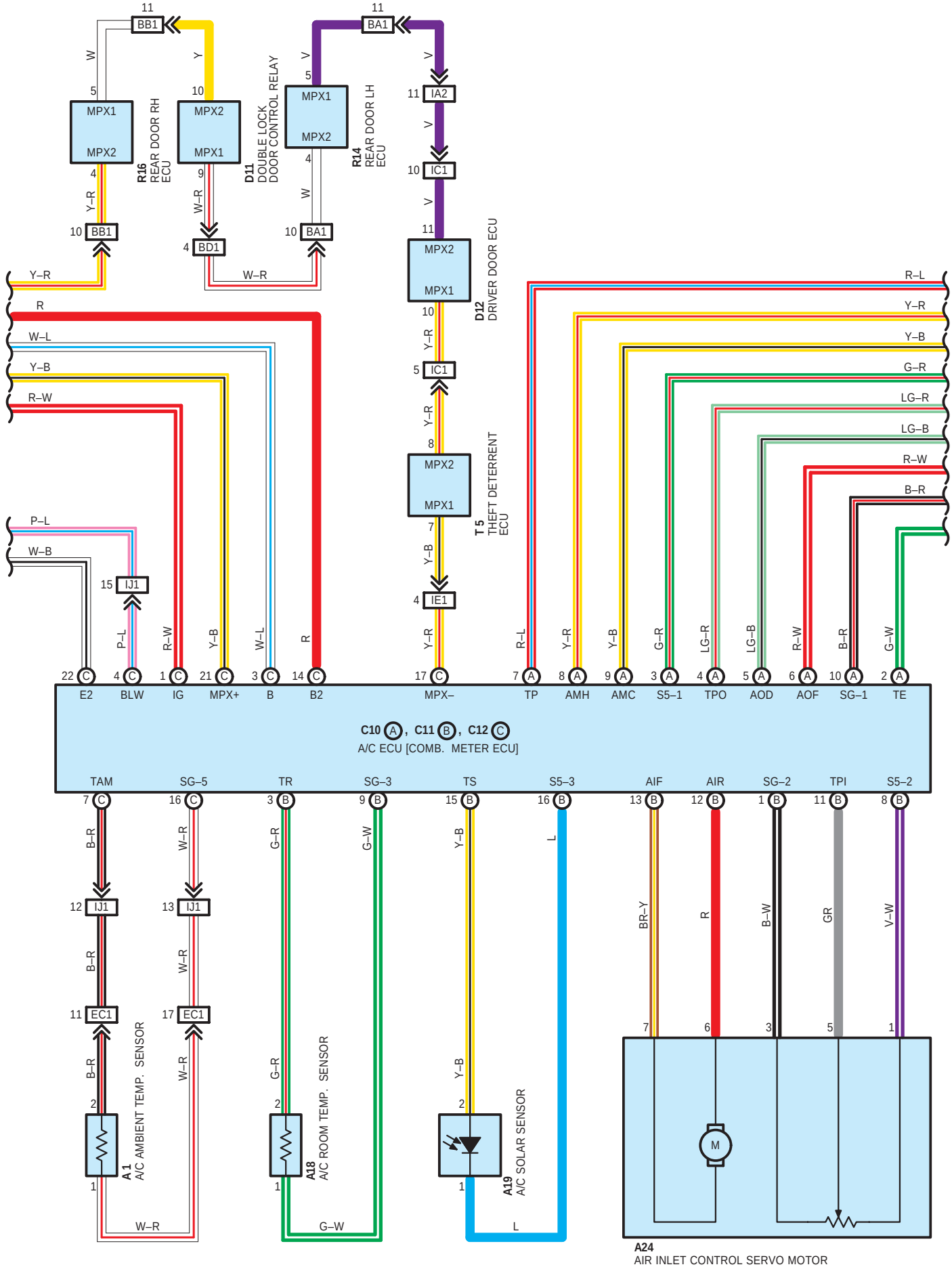
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E7	116 (RHD)	Engine Room Main Wire	E11	106 (LHD)	Engine Room Main Wire
E8					

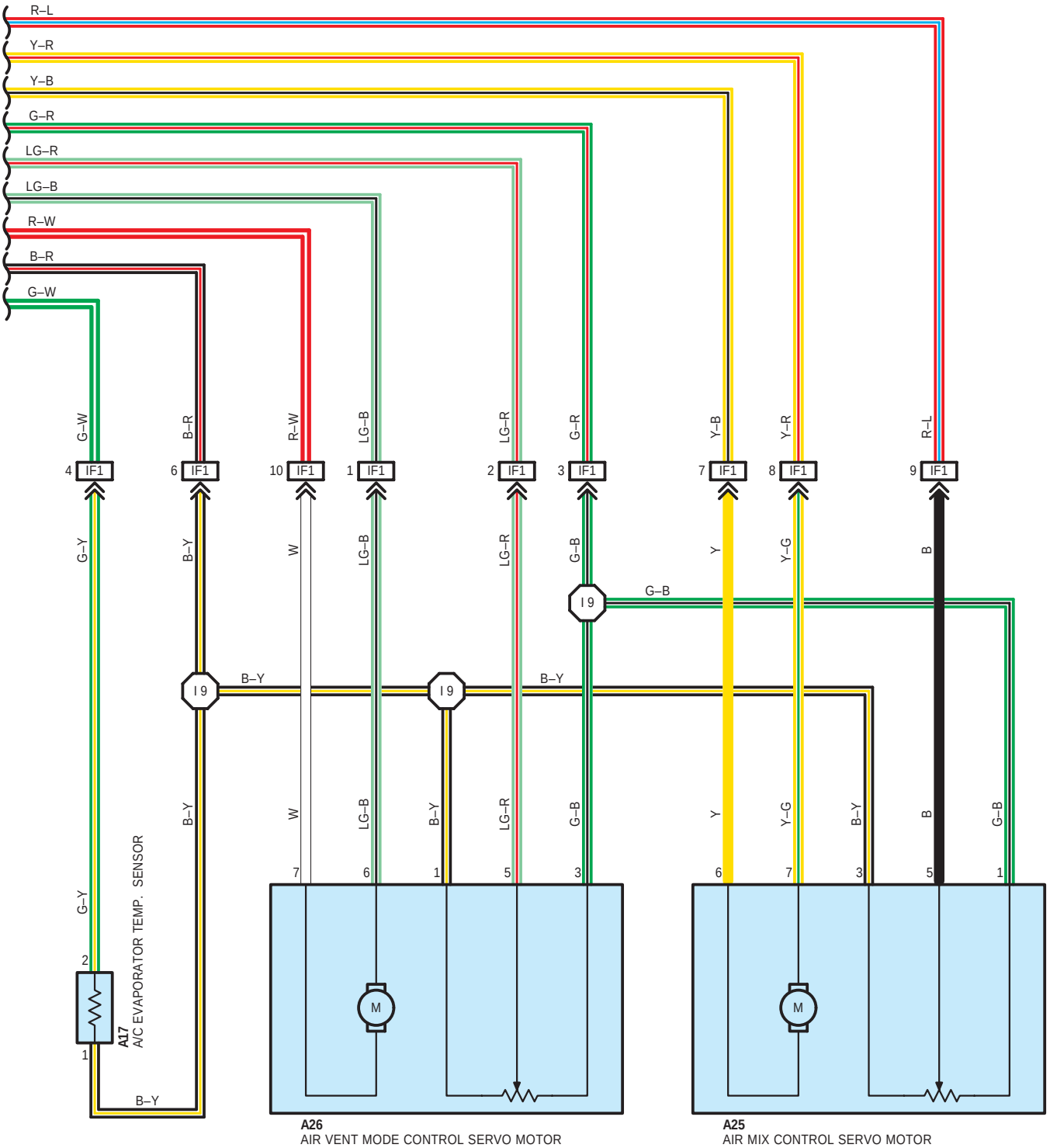
AUTOMATIC AIR CONDITIONER (LHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A ECU–B
10A DOME
J 4 JUNCTION CONNECTOR
MG CLT RELAY
F17 FRONT PASSENGER DOOR ECU
MPX2
MPX1
A 3 A/C MAGNETIC CLUTCH AND LOCK SENSOR
A 4 A/C DUAL PRESSURE SW
J10 JUNCTION CONNECTOR
J 2 JUNCTION CONNECTOR
E 6 (A), E 9 (D), E10 (E) ENGINE AND ECT ECU
MPX2 ACMG MPX1 LCKI PRE
IH
ED
EC

AUTOMATIC AIR CONDITIONER (LHD)




R–L
Y–R
Y–B
G–R
LG–R
LG–B
R–W
B–R
G–W
G–W
B–R
R–W
LG–B
LG–R
G–R
Y–B
Y–R
R–L
4 IF1
6 IF1
10 IF1
1 IF1
2 IF1
3 IF1
7 IF1
8 IF1
9 IF1
G–Y
B–Y
W
LG–B
LG–R
G–B
Y
Y–G
B
I 9
G–B
I 9
B–Y
I 9
B–Y
B–Y
W
LG–B
B–Y
LG–R
G–B
Y
Y–G
B–Y
B
G–B
7
6
1
5
3
6
7
3
5
1
G–Y
2
1
A17
A/C EVAPORATOR TEMP. SENSOR
B–Y
M
M
A26
AIR VENT MODE CONTROL SERVO MOTOR
A25
AIR MIX CONTROL SERVO MOTOR

SYSTEM OUTLINE

1. HEATER BLOWER OPERATION

MANUAL OPERATION

When the blower control SW is set to any blower speed, the A/C ECU sends a signal to the blower motor control relay, and controls the speed of the blower motor.

AUTO OPERATION

When the auto SW is operated, the A/C ECU sends a signal to the blower motor control relay, according to the signals from each sensors and commands from the temperature SW, and controls the blower motor speed automatically.

2. AIR INLET CONTROL SERVO MOTOR CONTROL

When the FRESH/RECIRC select SW is switched to RECIRC, the motor in the air inlet control servo motor rotates to move the damper to the RECIRC side. The damper position is recognized by the TERMINAL TPI of the A/C ECU, and rotates the motor until the damper reaches its position.

When the FRESH/RECIRC select SW is switched to FRESH, the motor in the air inlet control servo motor rotates to move the damper to the FRESH side. The damper position is recognized by the TERMINAL TPI of the A/C ECU, and rotates the motor until the damper reaches its position.

3. AIR VENT MODE CONTROL SERVO MOTOR CONTROL

When the mode select SW in the instrument control panel is pushed, a signal is sent from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU, and activates the air vent mode control servo motor. This causes the servo motor to rotate to the position selected using the mode select SW (FACE, BI–LEVEL, FOOT, FOOT/DEF, DEF), and moves the damper door.

4. AIR MIX CONTROL SERVO MOTOR CONTROL

When the temperature control SW in the instrument control panel is pushed, a signal is sent from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU, and activates the air mix control servo motor. The motor and damper door is moved until it reaches the temperature set by the temperature control SW.

5. AIR CONDITIONING OPERATION

The A/C ECU receives various signals, i.e., the engine RPM from the crankshaft position sensor, outlet temperature from the A/C ambient temp. sensor, coolant temperature from the water temp. sensor, and the lock signal from the A/C compressor, etc. When the engine is started and the A/C SW in the instrument control panel is pressed, a signal is input from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU. As a result, the ground circuit in the A/C ECU is closed, and the current flows from the HEATER fuse to MG CLT relay TERMINAL 1 to TERMINAL 2 to TERMINAL ACMG of the engine and ECT ECU to TERMINAL MPX2 to TERMINAL MPX1 of the body ECU to TERMINAL MPX2 to TERMINAL MPX+ of the instrument control panel to TERMINAL MPX– to TERMINAL MPX+ of the A/C ECU to TERMINAL E2 to GROUND, turning the A/C magnetic clutch on so that A/C compressor operates. In addition, when the engine and ECT ECU detects that the magnetic clutch is on and the A/C compressor is operating, it controls the engine in the direction to avoid lowering the engine rpm during A/C operation.

When any of the following signals are sent to the A/C ECU, the A/C is turned off.

- Coolant temp. is high.
- Outlet air temp. is low.
- Large difference between the engine speed and compressor speed.
- The refrigerant pressure is abnormally high or low.

SERVICE HINTS

A4 A/C DUAL PRESSURE SW

1–4 : Open with the refrigerant pressure at less than approx. **2.0** kgf/cm^2 (**31** psi, **196** kpa) or more than approx. **32** kgf/cm^2 (**455** psi, **3138** kpa)

C10 (A), C11 (B), C12 (C) A/C ECU [COMB. METER ECU]

B–GROUND : Always approx. **12** volts
B2–GROUND : Always approx. **12** volts
AIF–GROUND : Approx. **12** volts with the FRESH SW on
AIR–GROUND : Approx. **12** volts with the RECIRC SW on
E2–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	90 (LHD)	B5 A	92 (LHD)	F17	94 (LHD)
A3	90 (LHD)	B7 C	92 (LHD)	H11	93 (LHD)
A4	90 (LHD)	B8 D	92 (LHD)	I17	93 (LHD)
A17	92 (LHD)	C10 A	92 (LHD)	J2	91 (LHD)
A18	92 (LHD)	C11 B	92 (LHD)	J4	93 (LHD)
A19	92 (LHD)	C12 C	92 (LHD)	J9	93 (LHD)
A24	92 (LHD)	D11	94 (LHD)	J10	93 (LHD)
A25	92 (LHD)	D12	94 (LHD)	M3 A	93 (LHD)
A26	92 (LHD)	E6 A	92 (LHD)	M5 C	93 (LHD)
B2	92 (LHD)	E9 D	92 (LHD)	R14	95 (LHD)
B3 A	92 (LHD)	E10 E	92 (LHD)	R16	95 (LHD)
B4 B	92 (LHD)	F11	90 (LHD)	T5	93 (LHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1K	78 (LHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3H		
3I		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5C		
5D		
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	106 (LHD)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
EC1	106 (LHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA2	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IF1	108 (LHD)	Instrument Panel Wire and A/C Sub No.2 Wire (Instrument Panel Brace RH)
IG1	110 (LHD)	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IJ1	110 (LHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	110 (LHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	112 (LHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

AUTOMATIC AIR CONDITIONER (LHD)

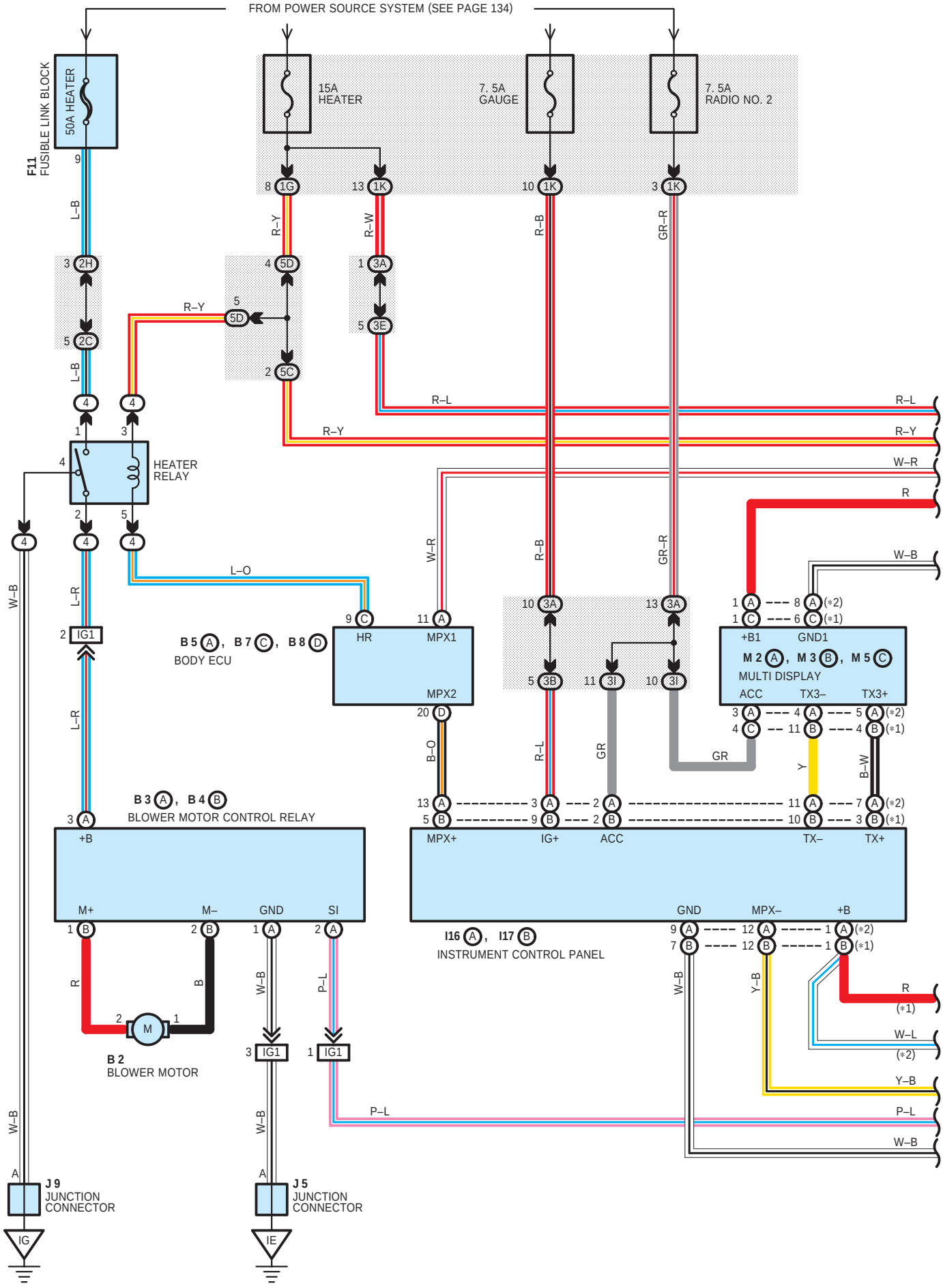
: GROUND POINTS

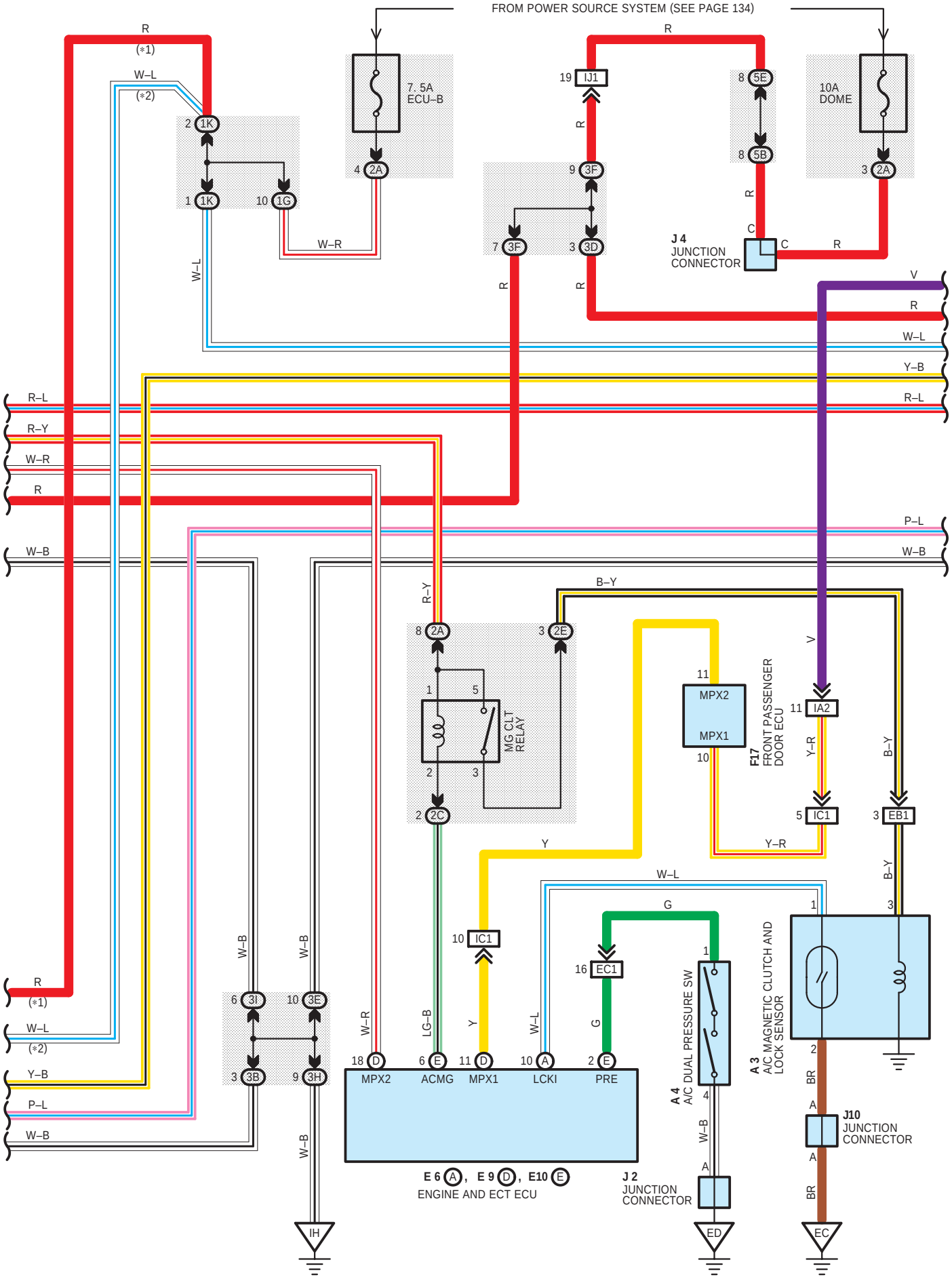
Code	See Page	Ground Points Location
EC	106 (LHD)	Rear Side of Surge Tank
ED	106 (LHD)	Right Radiator Side Support
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH

: SPLICE POINTS

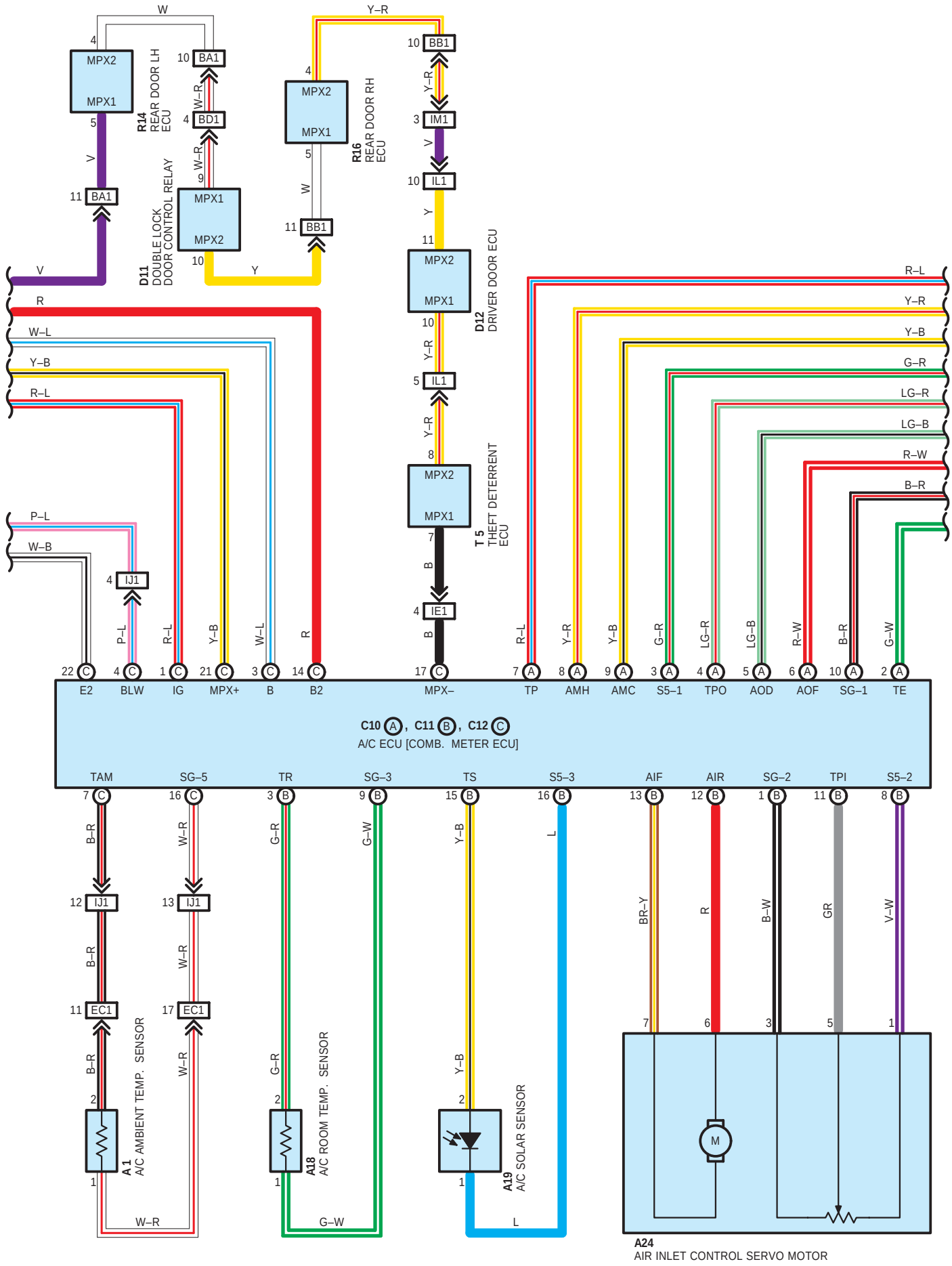
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I9	110 (LHD)	A/C Sub No.2 Wire			

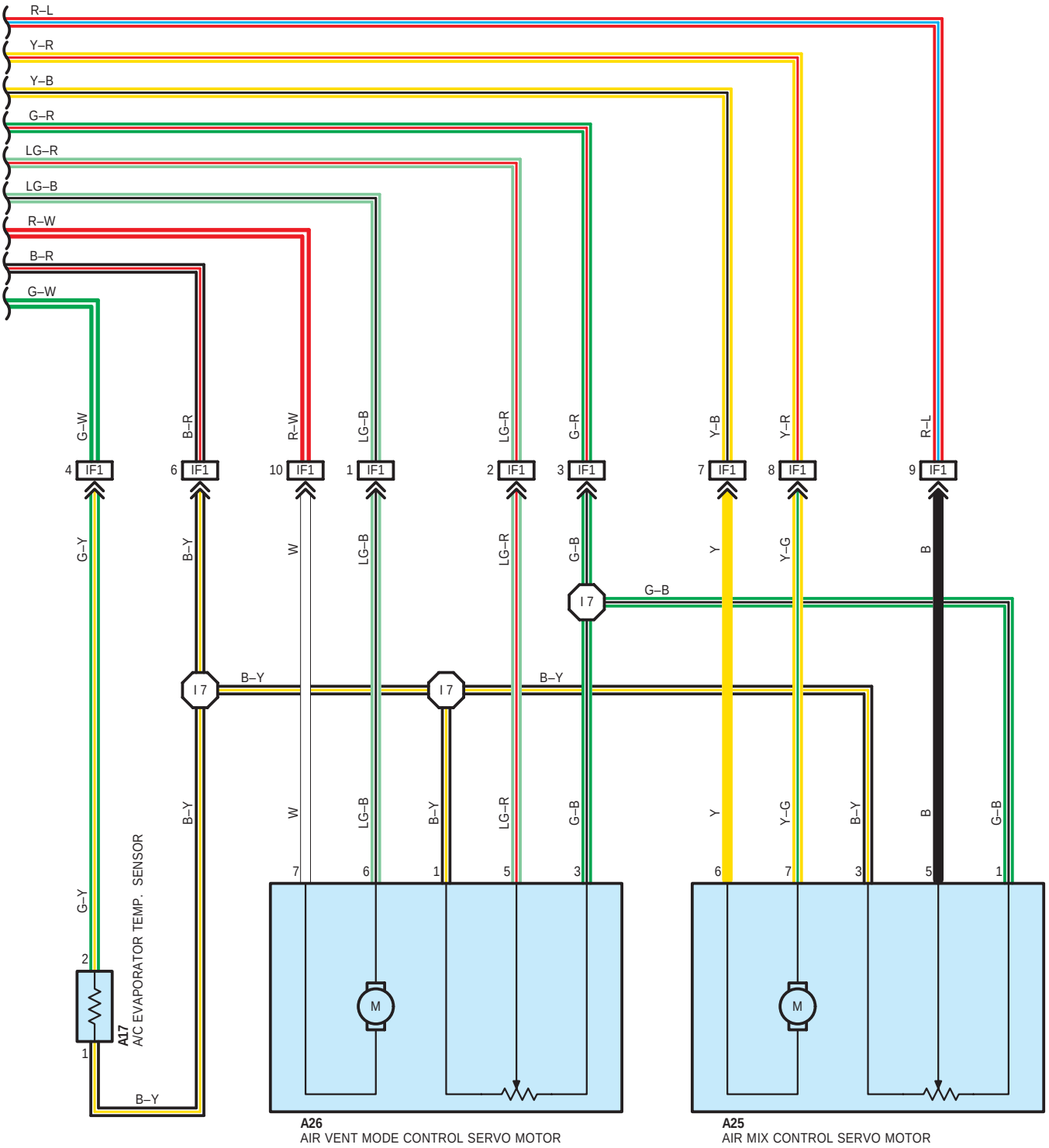
AUTOMATIC AIR CONDITIONER (RHD)




FROM POWER SOURCE SYSTEM (SEE PAGE 134)
7. 5A ECU–B
10A DOME
J 4 JUNCTION CONNECTOR
MG CLT RELAY
F17 FRONT PASSENGER DOOR ECU
MPX2
MPX1
A 3 A/C MAGNETIC CLUTCH AND LOCK SENSOR
A 4 A/C DUAL PRESSURE SW
J10 JUNCTION CONNECTOR
J 2 JUNCTION CONNECTOR
E 6 (A), E 9 (D), E10 (E) ENGINE AND ECT ECU
MPX2
ACMG
MPX1
LCKI
PRE
IH
ED
EC

AUTOMATIC AIR CONDITIONER (RHD)




R–L
Y–R
Y–B
G–R
LG–R
LG–B
R–W
B–R
G–W
G–W
B–R
R–W
LG–B
LG–R
G–R
Y–B
Y–R
R–L
4 IF1
6 IF1
10 IF1
1 IF1
2 IF1
3 IF1
7 IF1
8 IF1
9 IF1
G–Y
B–Y
W
LG–B
LG–R
G–B
Y
Y–G
B
I 7
G–B
I 7
B–Y
I 7
B–Y
B–Y
W
LG–B
B–Y
LG–R
G–B
Y
Y–G
B–Y
B
G–B
7
6
1
5
3
6
7
3
5
1
G–Y
2
1
A17
A/C EVAPORATOR TEMP. SENSOR
B–Y
M
M
A26
AIR VENT MODE CONTROL SERVO MOTOR
A25
AIR MIX CONTROL SERVO MOTOR

SYSTEM OUTLINE

1. HEATER BLOWER OPERATION

MANUAL OPERATION

When the blower control SW is set to any blower speed, the A/C ECU sends a signal to the blower motor control relay, and controls the speed of the blower motor.

AUTO OPERATION

When the auto SW is operated, the A/C ECU sends a signal to the blower motor control relay, according to the signals from each sensors and commands from the temperature SW, and controls the blower motor speed automatically.

2. AIR INLET CONTROL SERVO MOTOR CONTROL

When the FRESH/RECIRC select SW is switched to RECIRC, the motor in the air inlet control servo motor rotates to move the damper to the RECIRC side. The damper position is recognized by the TERMINAL TPI of the A/C ECU, and rotates the motor until the damper reaches its position.

When the FRESH/RECIRC select SW is switched to FRESH, the motor in the air inlet control servo motor rotates to move the damper to the FRESH side. The damper position is recognized by the TERMINAL TPI of the A/C ECU, and rotates the motor until the damper reaches its position.

3. AIR VENT MODE CONTROL SERVO MOTOR CONTROL

When the mode select SW in the instrument control panel is pushed, a signal is sent from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU, and activates the air vent mode control servo motor. This causes the servo motor to rotate to the position selected using the mode select SW (FACE, BI–LEVEL, FOOT, FOOT/DEF, DEF), and moves the damper door.

4. AIR MIX CONTROL SERVO MOTOR CONTROL

When the temperature control SW in the instrument control panel is pushed, a signal is sent from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU, and activates the air mix control servo motor. The motor and damper door is moved until it reaches the temperature set by the temperature control SW.

5. AIR CONDITIONING OPERATION

The A/C ECU receives various signals, i.e., the engine RPM from the crankshaft position sensor, outlet temperature from the A/C ambient temp. sensor, coolant temperature from the water temp. sensor, and the lock signal from the A/C compressor, etc. When the engine is started and the A/C SW in the instrument control panel is pressed, a signal is input from TERMINAL MPX– of the instrument control panel to TERMINAL MPX+ of the A/C ECU. As a result, the ground circuit in the A/C ECU is closed, and the current flows from the HEATER fuse to MG CLT relay TERMINAL 1 to TERMINAL 2 to TERMINAL ACMG of the engine and ECT ECU to TERMINAL MPX2 to TERMINAL MPX1 of the body ECU to TERMINAL MPX2 to TERMINAL MPX+ of the instrument control panel to TERMINAL MPX– to TERMINAL MPX+ of the A/C ECU to TERMINAL E2 to GROUND, turning the A/C magnetic clutch on so that A/C compressor operates. In addition, when the engine and ECT ECU detects that the magnetic clutch is on and the A/C compressor is operating, it controls the engine in the direction to avoid lowering the engine rpm during A/C operation.

When any of the following signals are sent to the A/C ECU, the A/C is turned off.

- Coolant temp. is high.
- Outlet air temp. is low.
- Large difference between the engine speed and compressor speed.
- The refrigerant pressure is abnormally high or low.

SERVICE HINTS

A4 A/C DUAL PRESSURE SW

1–4 : Open with the refrigerant pressure at less than approx. **2.0** kgf/cm^2 (**31** psi, **196** kpa) or more than approx. **32** kgf/cm^2 (**455** psi, **3138** kpa)

C10 (A), C11 (B), C12 (C) A/C ECU [COMB. METER ECU]

B–GROUND : Always approx. **12** volts
B2–GROUND : Always approx. **12** volts
AIF–GROUND : Approx. **12** volts with the FRESH SW on
AIR–GROUND : Approx. **12** volts with the RECIRC SW on
E2–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	98 (RHD)	B7 C	100 (RHD)	I17 B	101 (RHD)
A3	98 (RHD)	B8 D	100 (RHD)	J2	99 (RHD)
A4	98 (RHD)	C10 A	100 (RHD)	J4	101 (RHD)
A17	100 (RHD)	C11 B	100 (RHD)	J5	101 (RHD)
A18	100 (RHD)	C12 C	100 (RHD)	J9	101 (RHD)
A19	100 (RHD)	D11	102 (RHD)	J10	101 (RHD)
A24	100 (RHD)	D12	102 (RHD)	M2 A	101 (RHD)
A25	100 (RHD)	E6 A	100 (RHD)	M3 B	101 (RHD)
A26	100 (RHD)	E9 D	100 (RHD)	M5 C	101 (RHD)
B2	100 (RHD)	E10 E	100 (RHD)	R14	103 (RHD)
B3 A	100 (RHD)	F11	98 (RHD)	R16	103 (RHD)
B4 B	100 (RHD)	F17	102 (RHD)	T5	101 (RHD)
B5 A	100 (RHD)	I16 A	101 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
4	89	R/B No.4 (Left Kick Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1K	80 (RHD)	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2C		
2E	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2H		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3H		
3I		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5C		
5D		
5E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	116 (RHD)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
EC1	116 (RHD)	Cowl Wire and Engine Room Main Wire (Under the Engine Room J/B)
IA2	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IF1	118 (RHD)	Instrument Panel Wire and A/C Sub No.2 Wire (Instrument Panel Brace RH)
IG1	120 (RHD)	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IJ1	120 (RHD)	Cowl Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IM1	120 (RHD)	Cowl Wire and Floor Wire (Right Kick Panel)
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BD1	122 (RHD)	Floor No.2 Wire and Floor Wire (Upper the Rear Axle Housing Left)

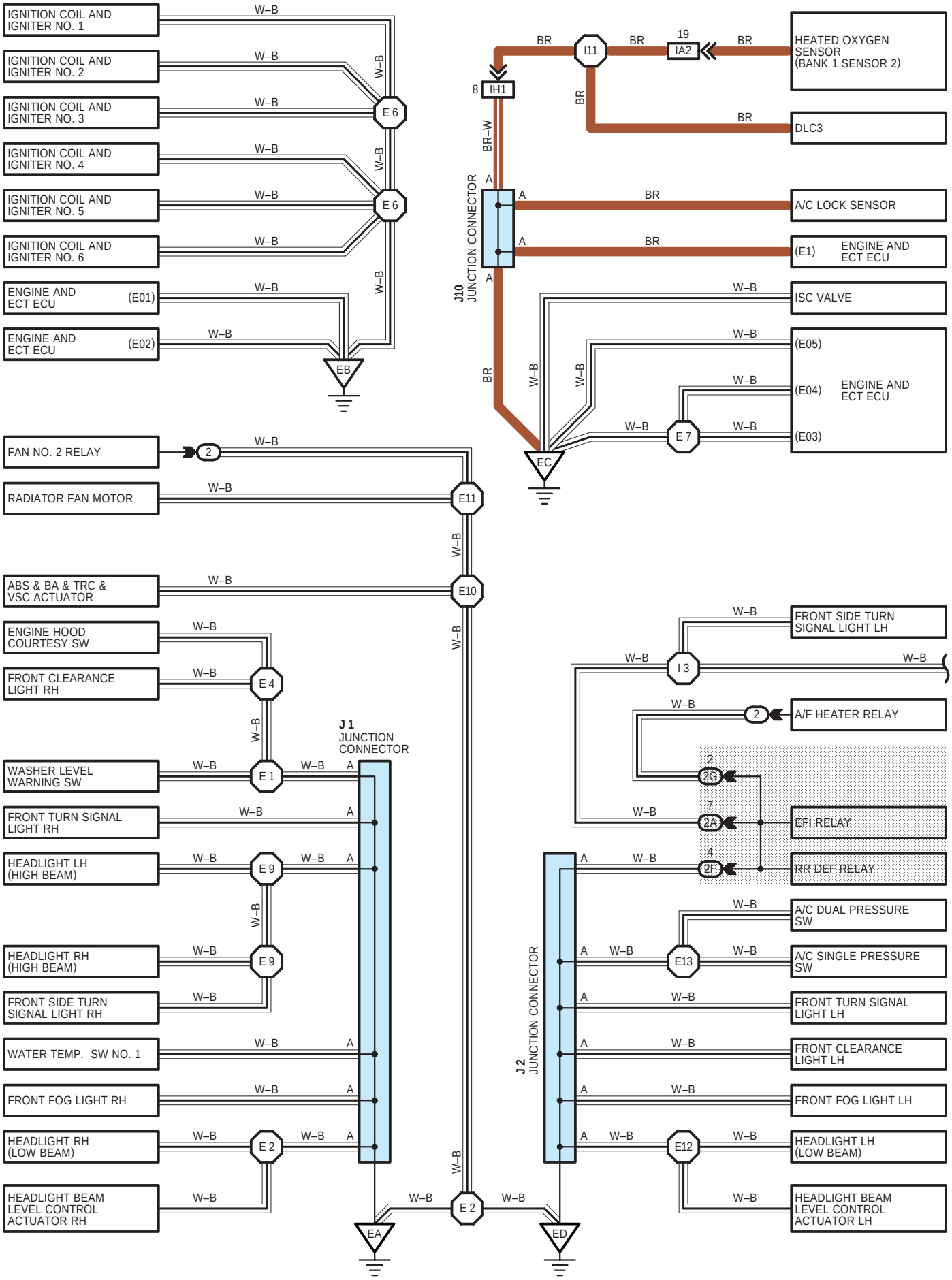
: GROUND POINTS

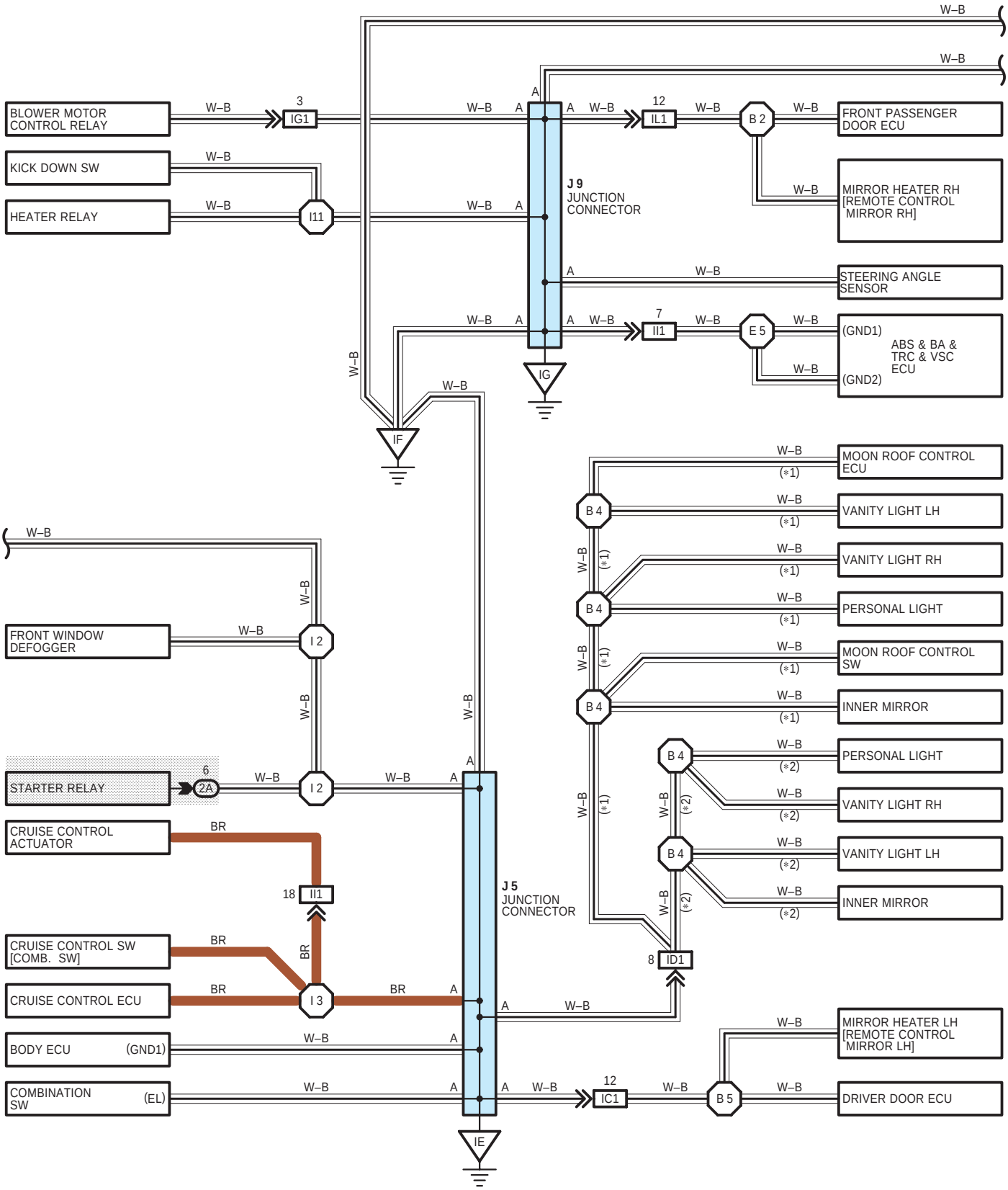
Code	See Page	Ground Points Location
EC	116 (RHD)	Rear Side of Surge Tank
ED	116 (RHD)	Right Radiator Side Support
IE	118 (RHD)	Cowl Side Panel LH
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH

: SPLICE POINTS

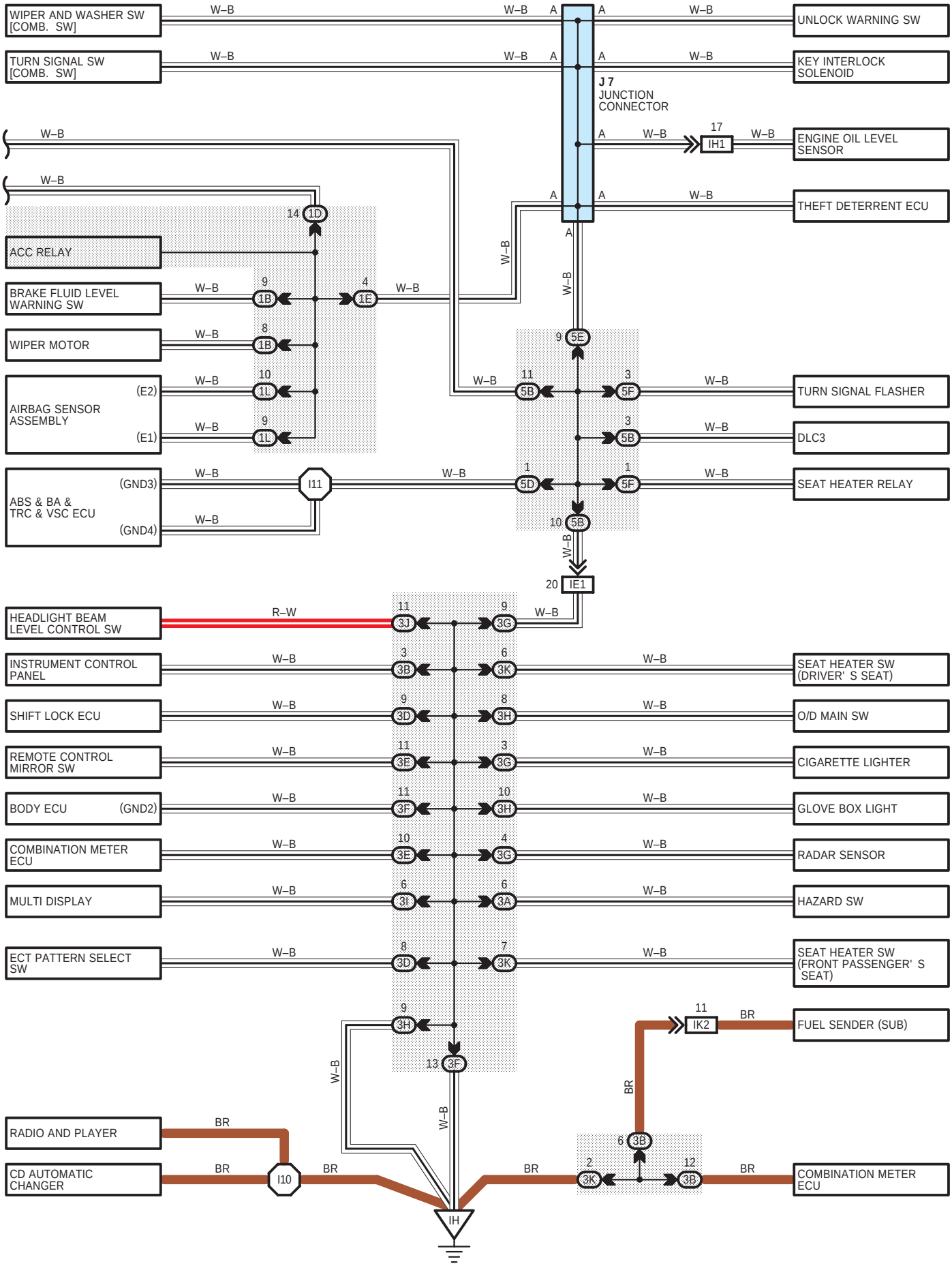
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	120 (RHD)	A/C Sub No.2 Wire			

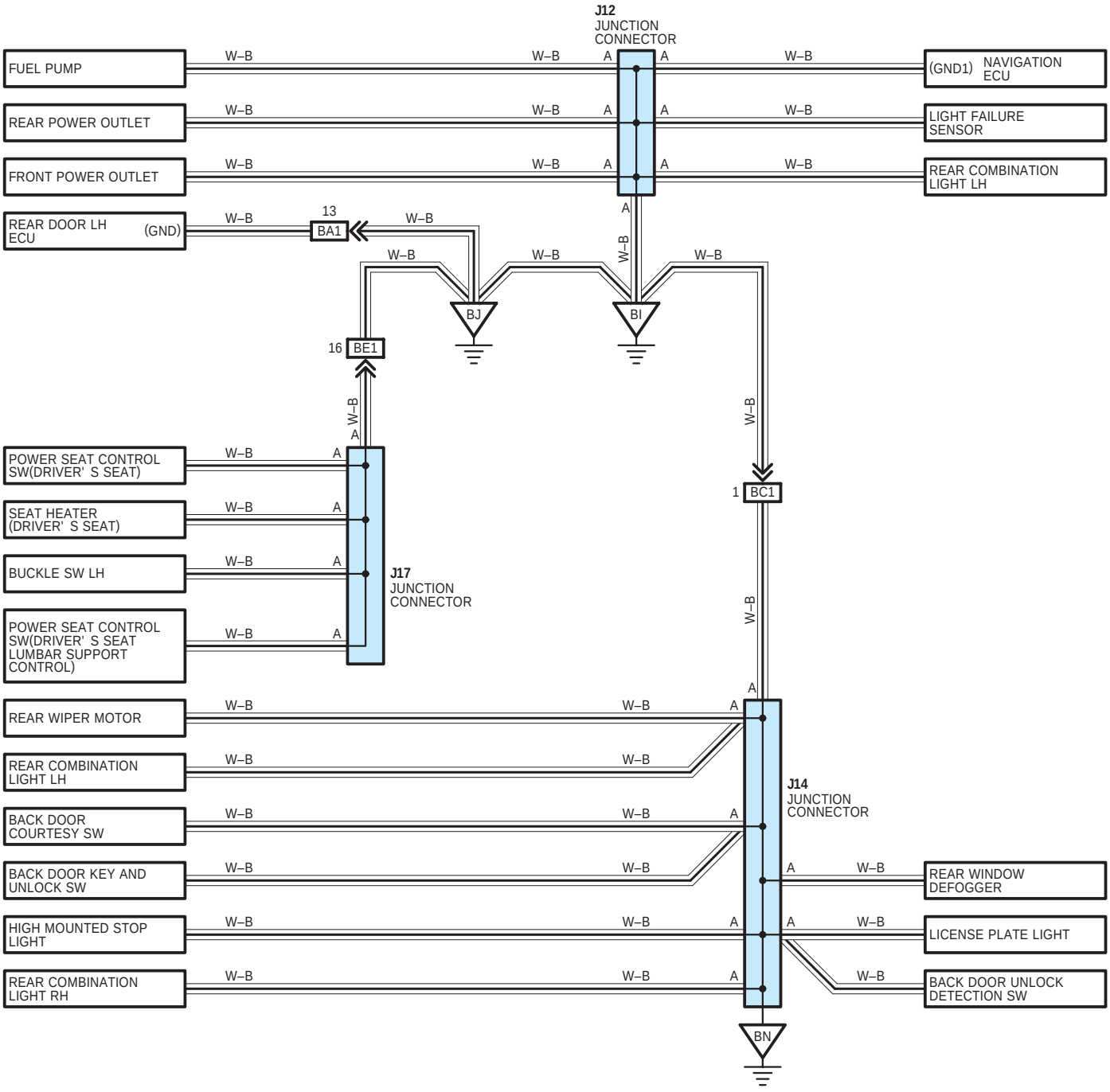
I GROUND POINT (LHD)



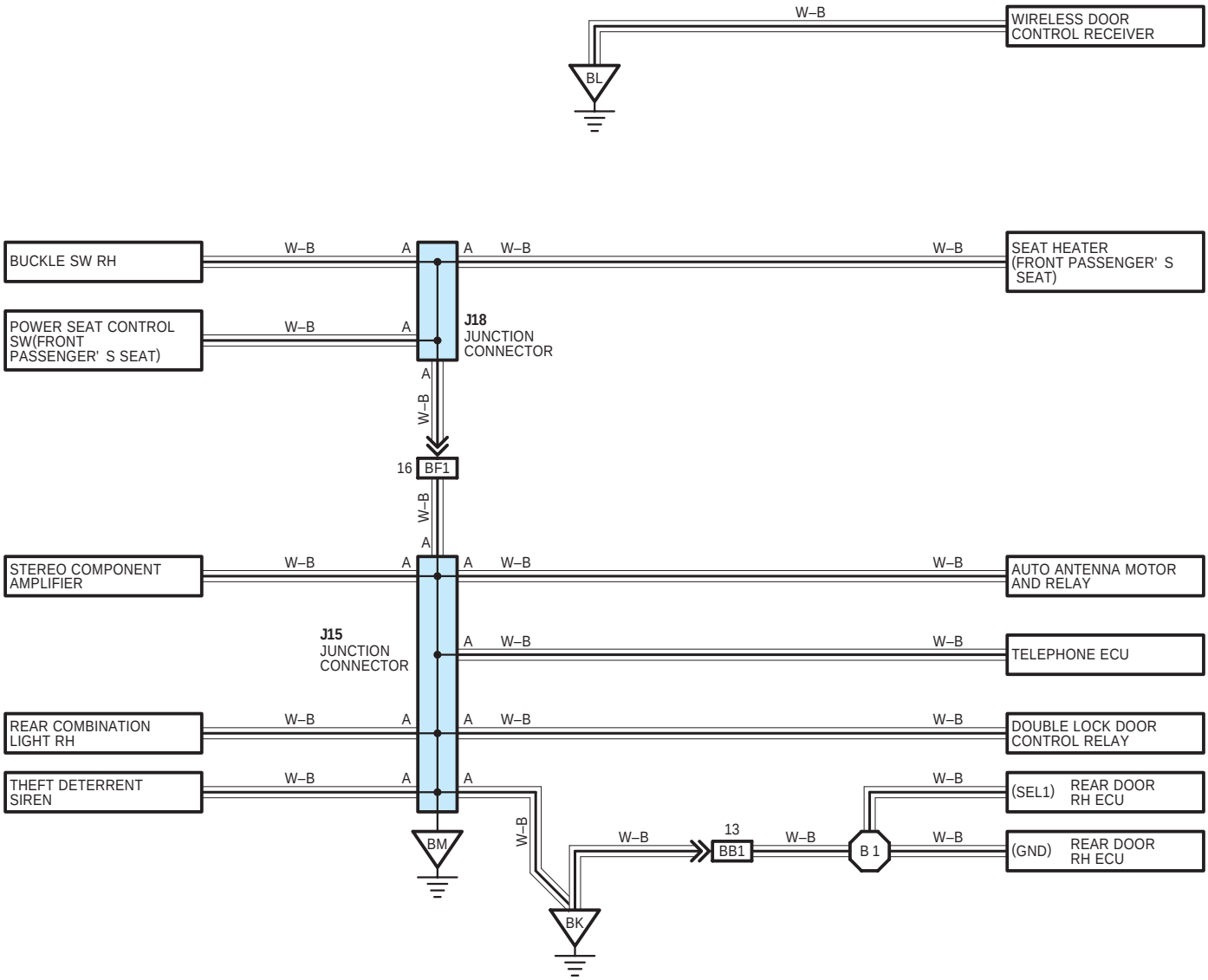

BLOWER MOTOR CONTROL RELAY
KICK DOWN SW
HEATER RELAY
IG1
I11
IL1
B 2
FRONT PASSENGER DOOR ECU
MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
J 9 JUNCTION CONNECTOR
STEERING ANGLE SENSOR
II1
E 5
(GND1)
(GND2)
ABS & BA & TRC & VSC ECU
IG
IF
MOON ROOF CONTROL ECU
VANITY LIGHT LH
VANITY LIGHT RH
PERSONAL LIGHT
MOON ROOF CONTROL SW
INNER MIRROR
B 4
FRONT WINDOW DEFOGGER
I 2
STARTER RELAY
2A
CRUISE CONTROL ACTUATOR
CRUISE CONTROL SW [COMB. SW]
CRUISE CONTROL ECU
I 3
J 5 JUNCTION CONNECTOR
ID1
BODY ECU
COMBINATION SW
IC1
B 5
MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
DRIVER DOOR ECU
IE
W–B
BR
A

I GROUND POINT (LHD)




J12
JUNCTION
CONNECTOR
FUEL PUMP
REAR POWER OUTLET
FRONT POWER OUTLET
REAR DOOR LH
ECU
(GND)
(GND1)
NAVIGATION
ECU
LIGHT FAILURE
SENSOR
REAR COMBINATION
LIGHT LH
13
BA1
16
BE1
BJ
BI
W–B
A
POWER SEAT CONTROL
SW(DRIVER' S SEAT)
SEAT HEATER
(DRIVER' S SEAT)
BUCKLE SW LH
POWER SEAT CONTROL
SW(DRIVER' S SEAT
LUMBAR SUPPORT
CONTROL)
J17
JUNCTION
CONNECTOR
1
BC1
REAR WIPER MOTOR
REAR COMBINATION
LIGHT LH
BACK DOOR
COURTESY SW
BACK DOOR KEY AND
UNLOCK SW
HIGH MOUNTED STOP
LIGHT
REAR COMBINATION
LIGHT RH
J14
JUNCTION
CONNECTOR
REAR WINDOW
DEFOGGER
LICENSE PLATE LIGHT
BACK DOOR UNLOCK
DETECTION SW
BN

I GROUND POINT (LHD)



: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J1	91 (LHD)	J9	93 (LHD)	J15	94 (LHD)
J2	91 (LHD)	J10	93 (LHD)	J17	96 (LHD)
J5	93 (LHD)	J12	94 (LHD)	J18	96 (LHD)
J7	93 (LHD)	J14	94 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	88	R/B No.2 (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	78 (LHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1D		
1E		
1L		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3G		
3H		
3I		
3J		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		
5E		
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	108 (LHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	108 (LHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
ID1	108 (LHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	108 (LHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IG1	110 (LHD)	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IH1	110 (LHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	110 (LHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IK2	110 (LHD)	Floor Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	110 (LHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	112 (LHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	112 (LHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC1	112 (LHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BE1	114 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BF1	114 (LHD)	Floor Wire and Front Seat RH Wire (Under the Front Passenger's Seat)

I GROUND POINT (LHD)



: GROUND POINTS

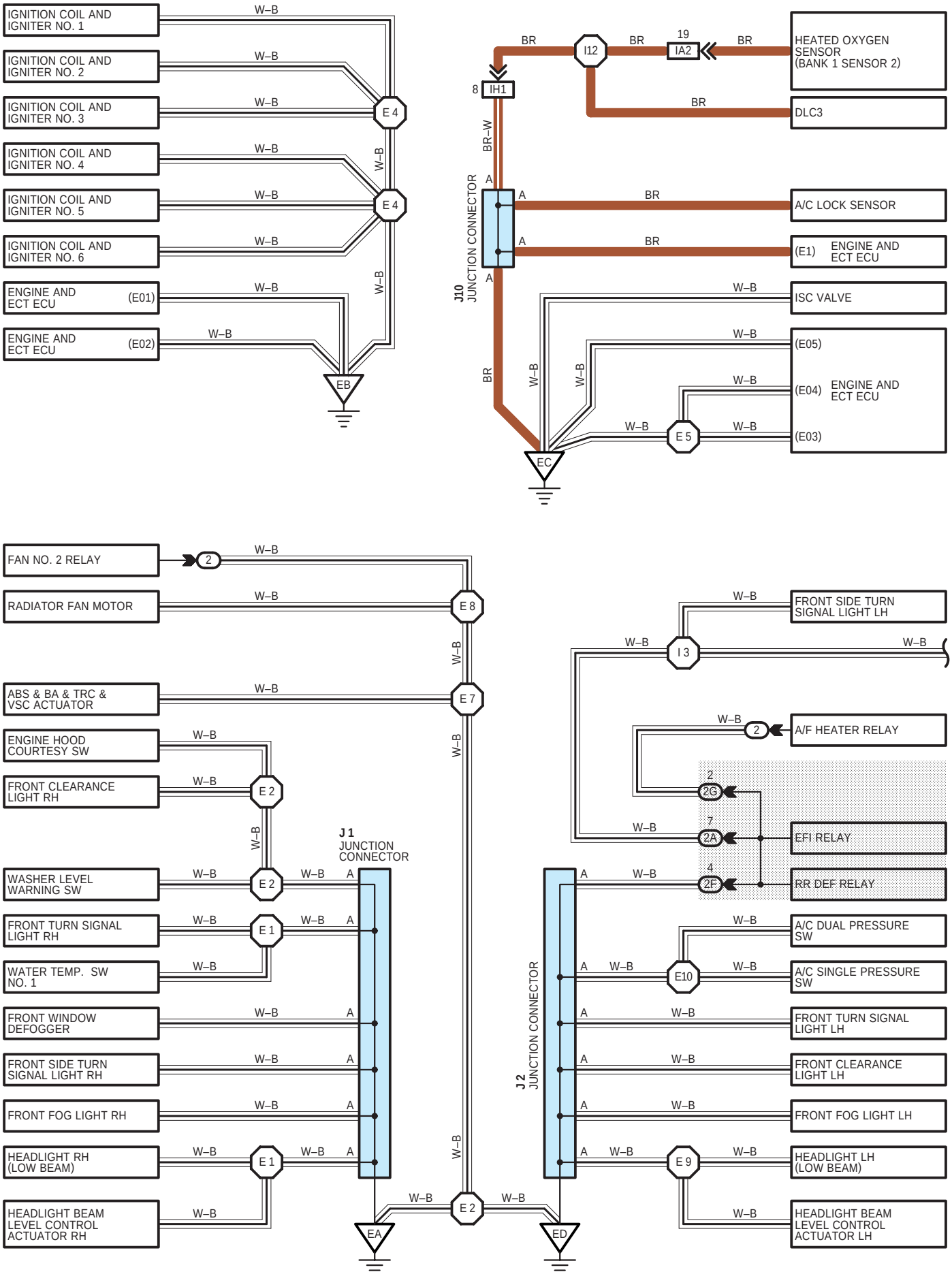
Code	See Page	Ground Points Location
EA	106 (LHD)	Engine Compartment Right
EB	106 (LHD)	Surge Tank RH
EC	106 (LHD)	Rear Side of Surge Tank
ED	106 (LHD)	Right Radiator Side Support
IE	108 (LHD)	Cowl Side Panel LH
IF	108 (LHD)	Dash Panel Center
IG	108 (LHD)	Cowl Side Panel RH
IH	108 (LHD)	Instrument Panel Brace RH
BI	112 (LHD)	Upper the Rear Axle Housing Left
BJ	112 (LHD)	Under the Left Center Pillar
BK	112 (LHD)	Under the Right Center Pillar
BL	112 (LHD)	Left Rear Quarter Panel
BM	112 (LHD)	Under the Rear RH Seat
BN	112 (LHD)	Back Panel Center

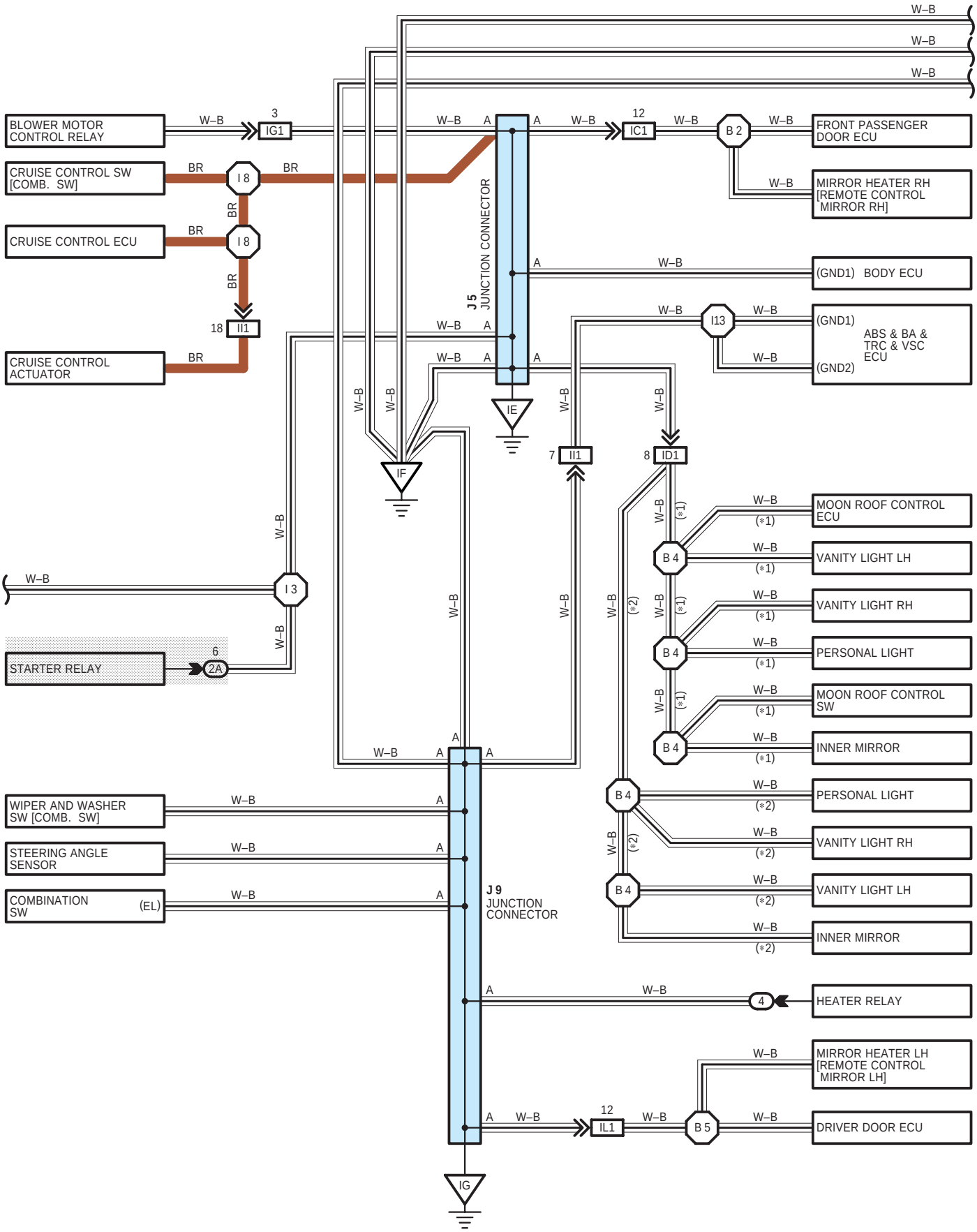


: SPLICE POINTS

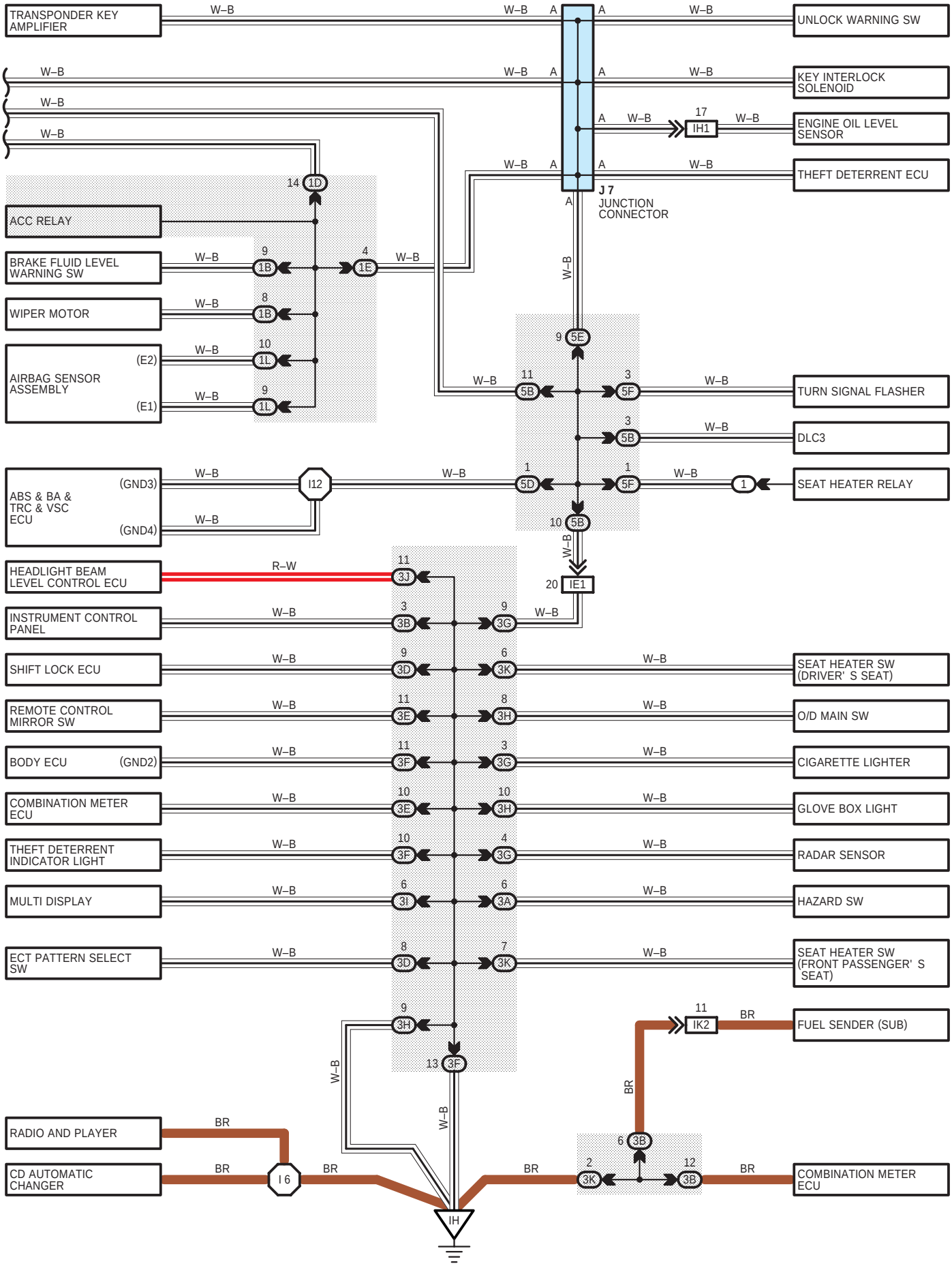
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	106 (LHD)	Engine Room Main Wire	E13	106 (LHD)	Engine Room Main Wire
E2			I2	110 (LHD)	Cowl Wire
E4			I3		
E5			I10	110 (LHD)	Instrument Panel Wire
E6	106 (LHD)	Engine Wire	I11	110 (LHD)	Cowl Wire
E7			B1	112 (LHD)	Rear Door RH Wire
E9	106 (LHD)	Engine Room Main Wire	B2	112 (LHD)	Front Door LH Wire
E10			B4	112 (LHD)	Roof Wire
E11			B5	112 (LHD)	Front Door RH Wire
E12					

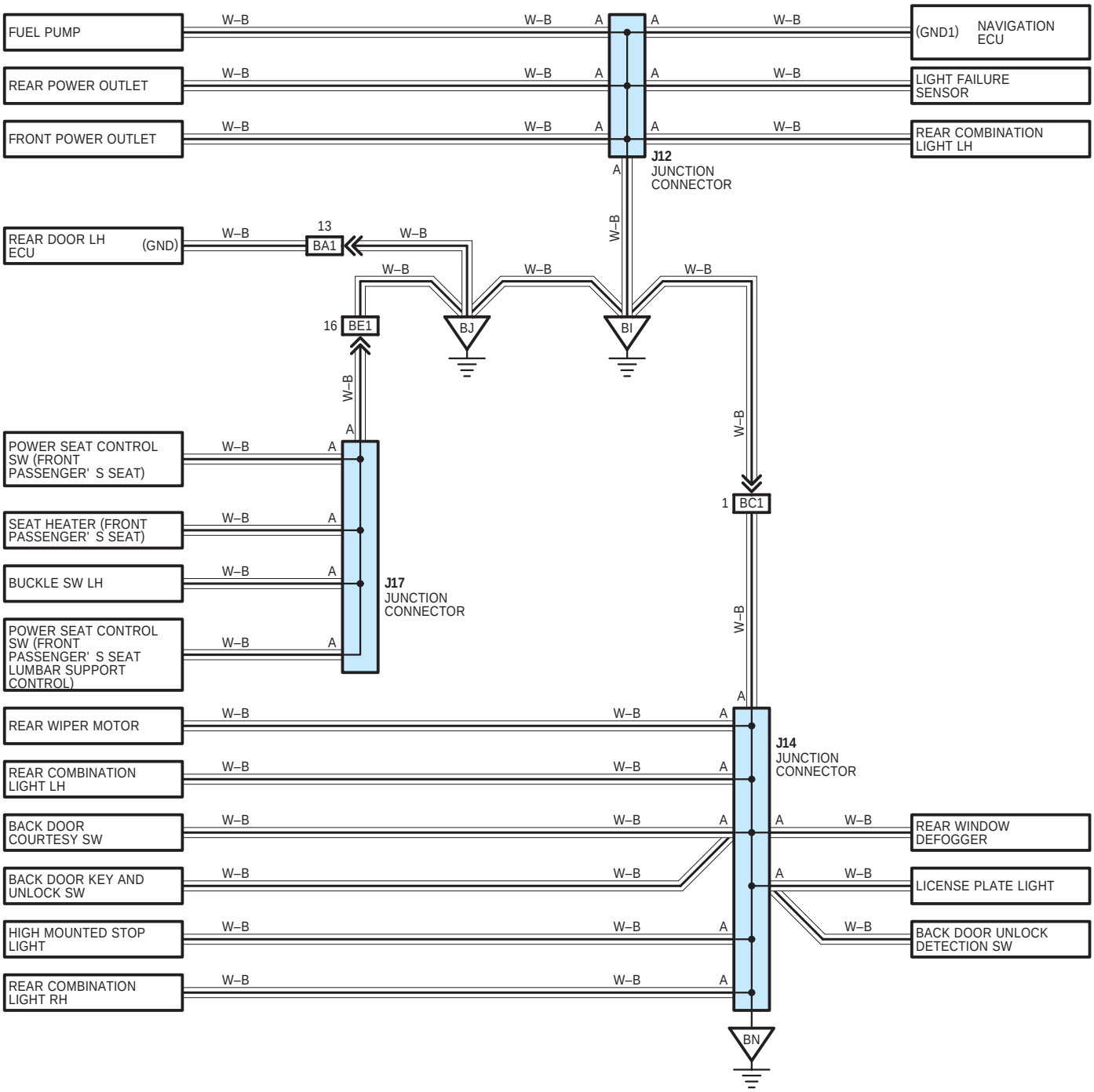
I GROUND POINT (RHD)



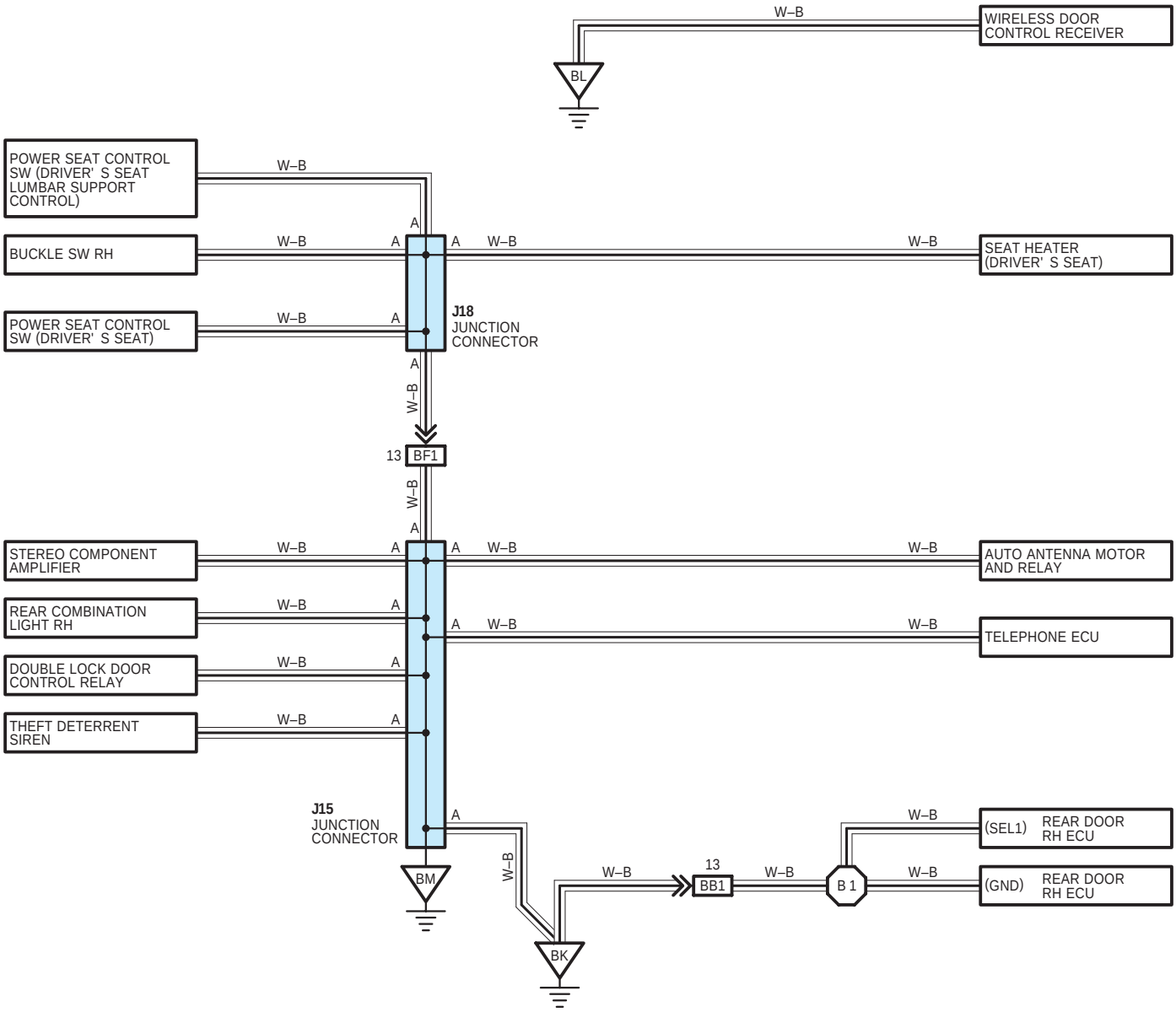

BLOWER MOTOR CONTROL RELAY
CRUISE CONTROL SW [COMB. SW]
CRUISE CONTROL ECU
CRUISE CONTROL ACTUATOR
STARTER RELAY
WIPER AND WASHER SW [COMB. SW]
STEERING ANGLE SENSOR
COMBINATION SW (EL)
IG1
I 8
I 3
2A
II1
IF
IE
IG
J5 JUNCTION CONNECTOR
J9 JUNCTION CONNECTOR
IC1
B 2
IL1
B 5
ID1
I13
B 4
4
FRONT PASSENGER DOOR ECU
MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
(GND1) BODY ECU
(GND1) (GND2) ABS & BA & TRC & VSC ECU
MOON ROOF CONTROL ECU
VANITY LIGHT LH
VANITY LIGHT RH
PERSONAL LIGHT
MOON ROOF CONTROL SW
INNER MIRROR
HEATER RELAY
MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
DRIVER DOOR ECU
W–B
BR

I GROUND POINT (RHD)




FUEL PUMP
W–B
W–B
A
A
W–B
(GND1)
NAVIGATION ECU
REAR POWER OUTLET
LIGHT FAILURE SENSOR
FRONT POWER OUTLET
REAR COMBINATION LIGHT LH
J12
JUNCTION CONNECTOR
REAR DOOR LH ECU
(GND)
13
BA1
16
BE1
BJ
BI
POWER SEAT CONTROL SW (FRONT PASSENGER' S SEAT)
SEAT HEATER (FRONT PASSENGER' S SEAT)
BUCKLE SW LH
POWER SEAT CONTROL SW (FRONT PASSENGER' S SEAT LUMBAR SUPPORT CONTROL)
J17
JUNCTION CONNECTOR
1
BC1
REAR WIPER MOTOR
REAR COMBINATION LIGHT LH
BACK DOOR COURTESY SW
BACK DOOR KEY AND UNLOCK SW
HIGH MOUNTED STOP LIGHT
REAR COMBINATION LIGHT RH
J14
JUNCTION CONNECTOR
REAR WINDOW DEFOGGER
LICENSE PLATE LIGHT
BACK DOOR UNLOCK DETECTION SW
BN

I GROUND POINT (RHD)



: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J1	99 (RHD)	J9	101 (RHD)	J15	102 (RHD)
J2	99 (RHD)	J10	101 (RHD)	J17	104 (RHD)
J5	101 (RHD)	J12	102 (RHD)	J18	104 (RHD)
J7	101 (RHD)	J14	102 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	87	R/B No.1 (Lower Finish Panel)
2	88	R/B No.2 (Engine Compartment Left)
4	89	R/B No.4 (Left Kick Panel)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	80 (RHD)	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
1D	80 (RHD)	Cowl Wire and Instrument Panel J/B (Lower Finish Panel)
1E		
1L		
2A	82	Cowl Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2G		
3A	84	Instrument Panel Wire and J/B No.3 (Behind the Instrument Panel Center)
3B		
3D		
3E		
3F		
3G		
3H		
3I		
3J		
3K		
5B	86	Cowl Wire and J/B No.5 (Behind the Instrument Panel Left)
5D		
5E		
5F		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	118 (RHD)	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IC1	118 (RHD)	Front Door LH Wire and Cowl Wire (Left Kick Panel)
ID1	118 (RHD)	Roof Wire and Cowl Wire (Left Side of Instrument Panel)
IE1	118 (RHD)	Instrument Panel Wire and Cowl Wire (Lower Finish Panel)
IG1	120 (RHD)	Cowl Wire and A/C Sub No.1 Wire (Instrument Panel Brace RH)
IH1	120 (RHD)	Engine Wire and Cowl Wire (Behind the Glove Box)
II1	120 (RHD)	Engine Room Main Wire and Cowl Wire (Cowl Side Panel RH)
IK2	120 (RHD)	Instrument Panel Wire and Floor Wire (Instrument Panel Brace RH)
IL1	120 (RHD)	Front Door RH Wire and Cowl Wire (Right Kick Panel)
BA1	122 (RHD)	Rear Door LH Wire and Floor No.2 Wire (Under the Left Center Pillar)
BB1	122 (RHD)	Rear Door RH Wire and Floor Wire (Under the Right Center Pillar)
BC1	122 (RHD)	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BE1	124 (RHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Front Passenger's Seat)
BF1	124 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)

I GROUND POINT (RHD)

: **GROUND POINTS**

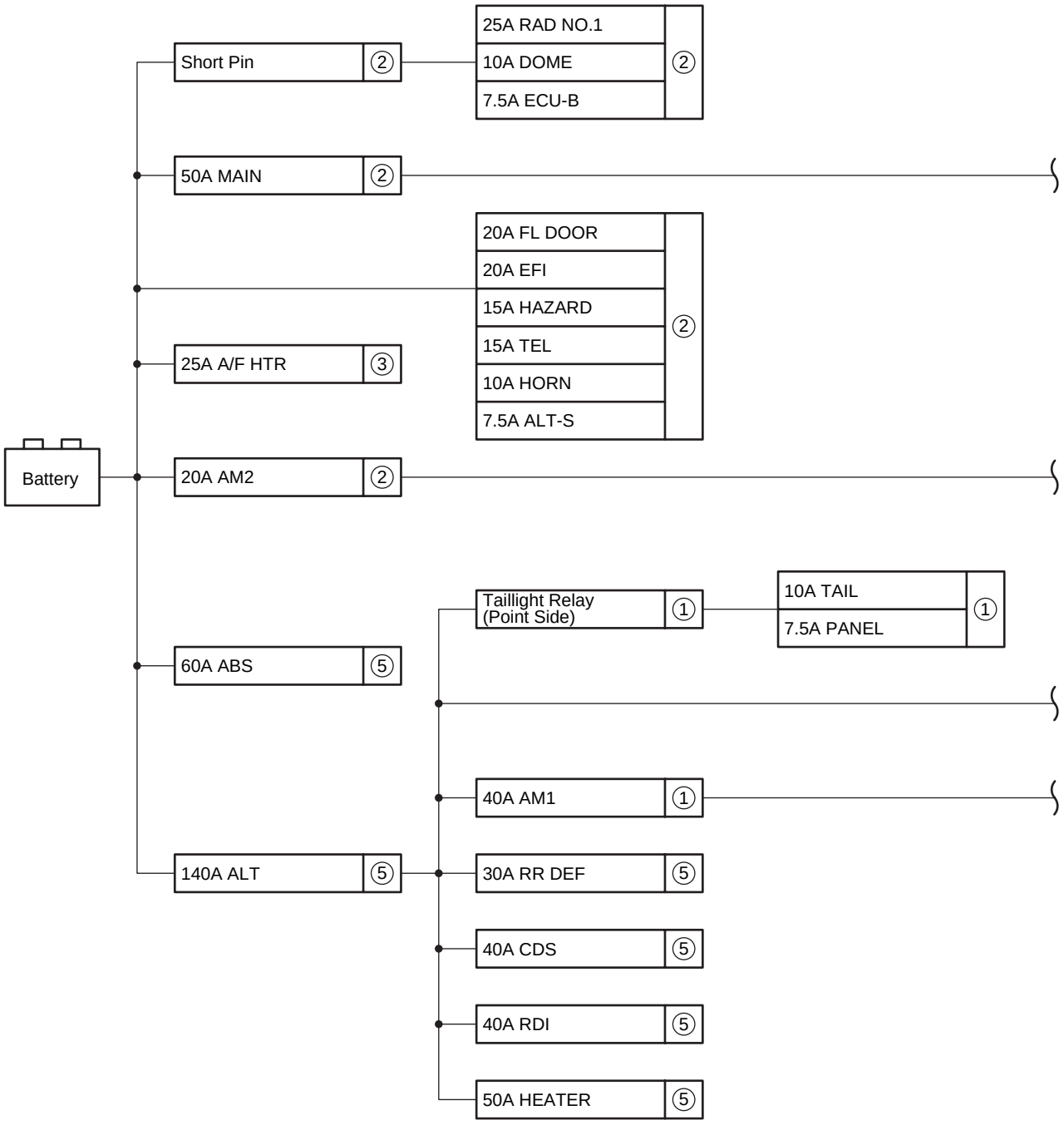
Code	See Page	Ground Points Location
EA	116 (RHD)	Engine Compartment Right
EB	116 (RHD)	Surge Tank RH
EC	116 (RHD)	Rear Side of Surge Tank
ED	116 (RHD)	Right Radiator Side Support
IE	118 (RHD)	Cowl Side Panel LH
IF	118 (RHD)	Dash Panel Center
IG	118 (RHD)	Cowl Side Panel RH
IH	118 (RHD)	Instrument Panel Brace RH
BI	122 (RHD)	Upper the Rear Axle Housing Left
BJ	122 (RHD)	Under the Left Center Pillar
BK	122 (RHD)	Under the Right Center Pillar
BL	122 (RHD)	Left Rear Quarter Panel
BM	122 (RHD)	Under the Rear RH Seat
BN	122 (RHD)	Back Panel Center

: **SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	116 (RHD)	Engine Room Main Wire	I6	120 (RHD)	Instrument Panel Wire
E2			I8	120 (RHD)	Cowl Wire
E4	116 (RHD)	Engine Wire	I12		
E5			I13	120 (RHD)	Engine Room Main Wire
E7	116 (RHD)	Engine Room Main Wire	B1	122 (RHD)	Rear Door RH Wire
E8			B2	122 (RHD)	Front Door LH Wire
E9			B4	122 (RHD)	Roof Wire
E10			B5	122 (RHD)	Front Door RH Wire
I3	120 (RHD)	Cowl Wire			

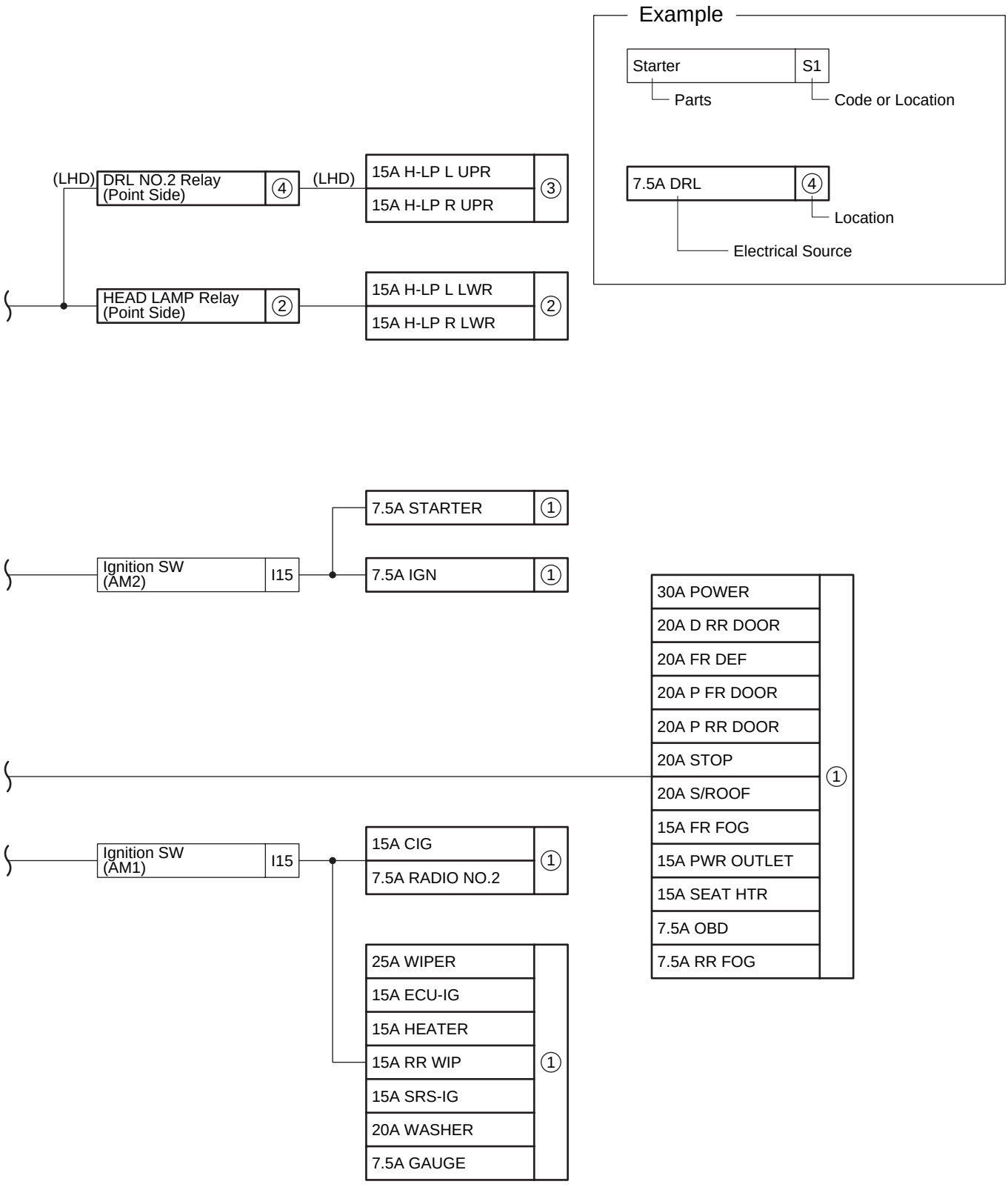
J POWER SOURCE (Current Flow Chart)

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 : Instrument Panel J/B (See Page 78 (LHD) or 80 (RHD)) ② : Engine Room J/B (See Page 82)

⑤ : Fusible Link Block (F11 on See Page 90 (LHD) or 98 (RHD))



③ : R/B No.2 (See Page 88)

④ : R/B No.3 (See Page 88)

Instrument Panel J/B (See Page 78 (LHD) or 80 (RHD))

Fuse		System	Page
7.5A	GAUGE	Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434
		Automatic Glare–Resistant EC Mirror	410
		Automatic Light Control (LHD)	244
		Automatic Light Control (RHD)	248
		Back–Up Light	198
		Double Locking (LHD)	328
		Double Locking (RHD)	336
		ECT and A/T Indicator	352
		Headlight (LHD)	158
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		LEXUS Navigation System	380
		Light Auto Turn Off (LHD)	252
		Light Auto Turn Off (RHD)	256
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Seat Heater (LHD)	406
		Seat Heater (RHD)	408
		Stop Light	194
		Taillight	182
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Turn Signal and Hazard Warning Light	178
		VSC	360
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
7.5A	IGN	ECT and A/T Indicator	352
		Engine Control and Engine Immobiliser System	144
		SRS	373
7.5A	PANEL	Automatic Light Control (LHD)	426
		Headlight (LHD)	158
		Illumination (LHD)	186
		Illumination (RHD)	190
		LEXUS Navigation System	380
		Light Auto Turn Off (LHD)	252
		Light Reminder and Seat Belt Warning (LHD)	264
		Multiplex Communication System (LHD)	260

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

Fuse		System	Page
7.5A	RADIO NO.2	Auto Antenna	392
		Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434
		Cellular Mobile Telephone	394
		LEXUS Navigation System	380
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Radio and Player (LHD)	384
		Radio and Player (RHD)	388
7.5A	RR FOG	Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Rear Fog Light	168
7.5A	STARTER	Engine Control and Engine Immobiliser System	144
		Starting and Ignition	140
7.5A	OBD	Engine Control and Engine Immobiliser System	144
10A	TAIL	Front Fog Light	166
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Rear Fog Light	168
		Taillight	182
15A	CIG	Cigarette Lighter	200
		Remote Control Mirror (LHD)	348
		Remote Control Mirror (RHD)	350
		Shift Lock	378
15A	ECU–IG	Auto Antenna	392
		Automatic Glare–Resistant EC Mirror	410
		Cellular Mobile Telephone	394
		Charging	138
		Cruise Control	368
		Moon Roof	344
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Shift Lock	378
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		VSC	360
15A	FR FOG	Front Fog Light	166
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Rear Fog Light	168

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

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
15A	HEATER	Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434
		Automatic Glare–Resistant EC Mirror	410
		Combination Meter	416
		Cruise Control	368
		ECT and A/T Indicator	352
		Engine Control and Engine Immobiliser System	144
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Radiator Fan and Condenser Fan	422
		SRS	373
		Stop Light	194
		Taillight	182
		VSC	360
15A	POWER OUTLET	Power Outlet	202
15A	RR WIP	Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Rear Wiper and Washer	174
15A	SEAT HTR	Seat Heater (LHD)	406
		Seat Heater (RHD)	408
15A	SRS–IG	SRS	373
20A	D RR DOOR	Double Locking (LHD)	328
		Double Locking (RHD)	336
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
20A	FR DEF	Automatic Glare–Resistant EC Mirror	410
20A	P FR DOOR	Automatic Light Control (RHD)	244
		Double Locking (LHD)	328
		Double Locking (RHD)	336
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		Light Auto Turn Off (RHD)	256
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208

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

Fuse		System	Page
20A	P FR DOOR	Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
20A	P RR DOOR	Double Locking (LHD)	328
		Double Locking (RHD)	336
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
20A	S/ROOF	Moon Roof	344
20A	STOP	Cruise Control	368
		ECT and A/T Indicator	352
		Engine Control and Engine Immobiliser System	144
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Shift Lock	378
		Stop Light	194
		VSC	360
20A	WASHER	Front Wiper and Washer (LHD)	170
		Front Wiper and Washer (RHD)	172
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Rear Wiper and Washer	174
25A	WIPER	Front Wiper and Washer (LHD)	170
		Front Wiper and Washer (RHD)	172
30A	POWER	Power Seat (LHD)	398
		Power Seat (RHD)	402
40A	AM1	Power Outlet	202

Engine Room J/B (See Page 82)

Fuse		System	Page
7.5A	ALT–S	Charging	138
7.5A	ECU–B	Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434

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

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
7.5A	ECU–B	Automatic Light Control (LHD)	244
		Automatic Light Control (RHD)	248
		Combination Meter	416
		Double Locking (LHD)	328
		Double Locking (RHD)	336
		Headlight (LHD)	158
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		Light Auto Turn Off (LHD)	252
		Light Auto Turn Off (RHD)	256
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
10A	DOME	Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434
		Combination Meter	416
		Double Locking (LHD)	328
		Double Locking (RHD)	336
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		LEXUS Navigation System	380
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Moon Roof	344
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Radio and Player (LHD)	384
		Radio and Player (RHD)	388
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
10A	HORN	Horn	204
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
15A	H–LP L LWR	Headlight (LHD)	158
		Multiplex Communication System (LHD)	208

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

Fuse		System	Page
15A	H–LP LH	Headlight (RHD)	162
15A	H–LP R LWR	Headlight (LHD)	158
		Headlight Beam Level Control	164
		Multiplex Communication System (LHD)	208
15A	H–LP RH	Combination Meter	416
		Headlight (RHD)	162
		Headlight Beam Level Control	164
15A	HEATER	Turn Signal and Hazard Warning Light	178
15A	TEL	Cellular Mobile Telephone	394
20A	AM2	Engine Control and Engine Immobiliser System	144
		Starting and Ignition	140
20A	EFI	ECT and A/T Indicator	352
		Engine Control and Engine Immobiliser System	144
20A	FL DOOR	Automatic Light Control (LHD)	244
		Double Locking (LHD)	328
		Double Locking (RHD)	336
		Interior Light (LHD)	268
		Interior Light (RHD)	274
		Light Auto Turn Off (LHD)	252
		Light Reminder and Seat Belt Warning (LHD)	260
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Window (LHD)	280
		Power Window (RHD)	288
		Theft Deterrent and Door Lock Control (LHD)	296
		Theft Deterrent and Door Lock Control (RHD)	304
		Wireless Door Lock Control (LHD)	312
		Wireless Door Lock Control (RHD)	320
25A	RAD NO.1	Auto Antenna	392
		Radio and Player (LHD)	384
		Radio and Player (RHD)	388
50A	MAIN	Automatic Light Control (LHD)	244
		Automatic Light Control (RHD)	248
		Headlight (LHD)	158
		Headlight (RHD)	162
		Light Auto Turn Off (LHD)	252
		Light Auto Turn Off (RHD)	256
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (RHD)	228
		Rear Fog Light	168
		Starting and Ignition	140

* 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.2 (See Page 88)

Fuse		System	Page
15A	H–LP L UPR	Headlight (LHD)	158
		Multiplex Communication System (LHD)	208
15A	H–LP R UPR	Combination Meter	416
		Headlight (LHD)	158
		Multiplex Communication System (LHD)	208
25A	A/F HTR	Engine Control and Engine Immobiliser System	144

Fusible Link Block (See Page 87)

Fuse		System	Page
30A	RR DEF	Automatic Glare–Resistant EC Mirror	410
40A	CDS	Radiator Fan and Condenser Fan	422
40A	RDI	Radiator Fan and Condenser Fan	422
50A	HEATER	Automatic Air Conditioner (LHD)	426
		Automatic Air Conditioner (RHD)	434
60A	ABS	VSC	360
140A	ALT	Automatic Light Control (LHD)	426
		Automatic Light Control (RHD)	434
		Charging	138
		Illumination (LHD)	186
		Illumination (RHD)	190
		Light Auto Turn Off (LHD)	252
		Light Auto Turn Off (RHD)	256
		Light Reminder and Seat Belt Warning (LHD)	260
		Light Reminder and Seat Belt Warning (RHD)	264
		Multiplex Communication System (LHD)	208
		Multiplex Communication System (RHD)	228
		Power Outlet	202
		Radiator Fan and Condenser Fan	422
		Rear Fog Light	168
		Taillight	182

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

K CONNECTOR LIST

A1
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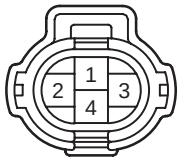
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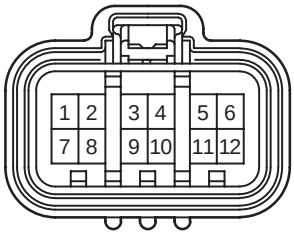
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A4
GRAY



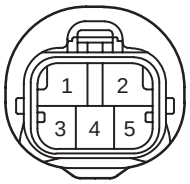
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A6
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A7
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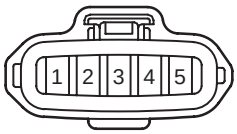
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A9
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A10
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A11
DARK GRAY



A12
DARK GRAY



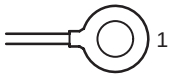
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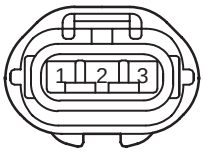
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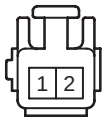
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A16
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A17



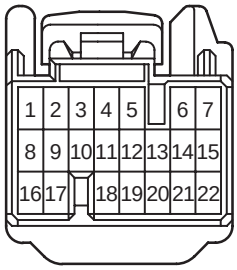
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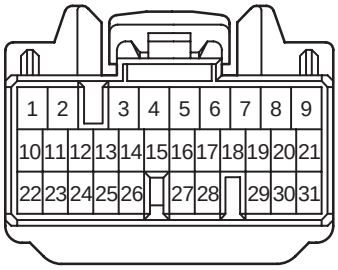
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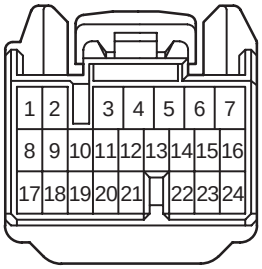
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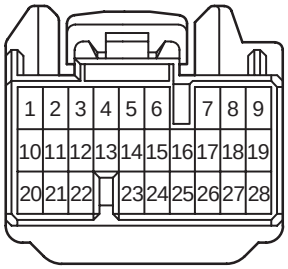
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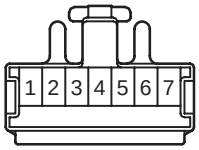
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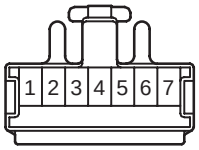
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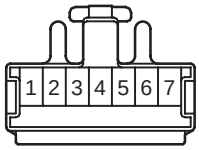
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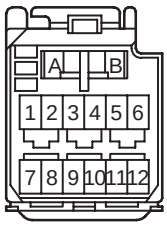
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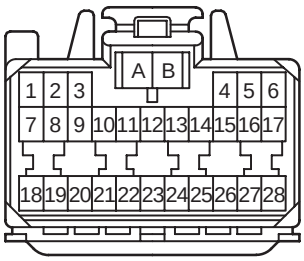
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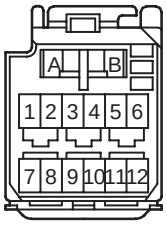
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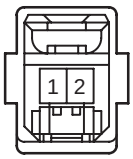
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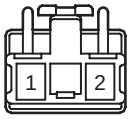
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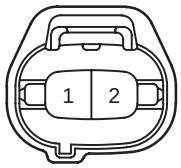
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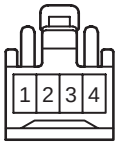
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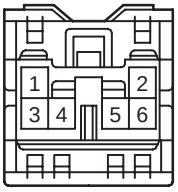
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A35
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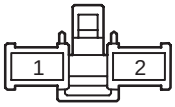
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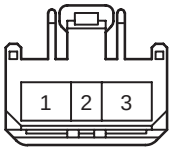
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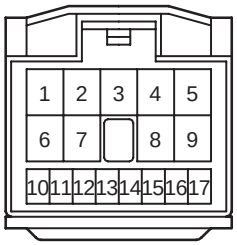
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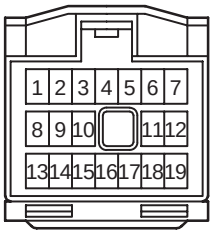
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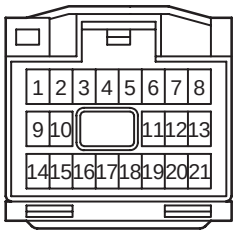
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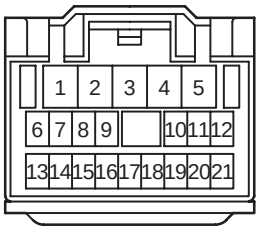
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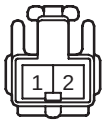
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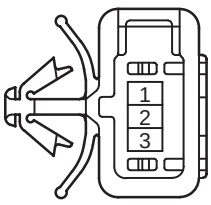
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B9



B10



K CONNECTOR LIST

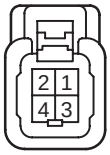
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B12



B13



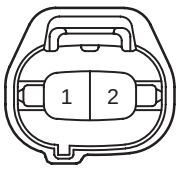
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C2
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C3
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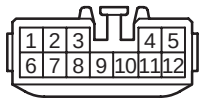
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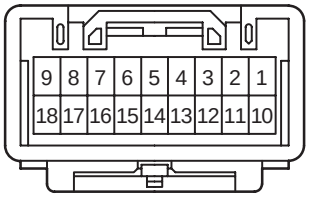
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C6



C7



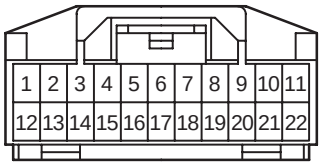
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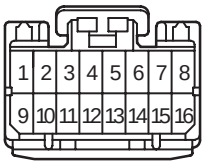
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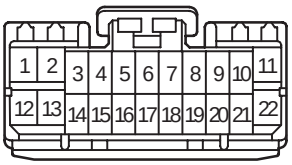
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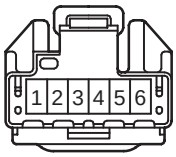
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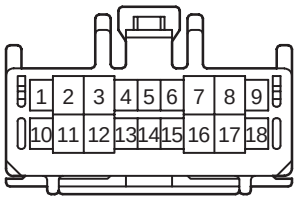
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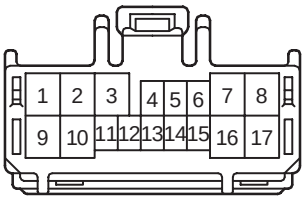
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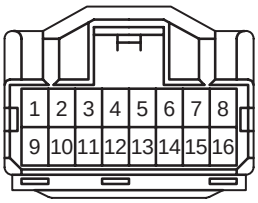
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C15



C16



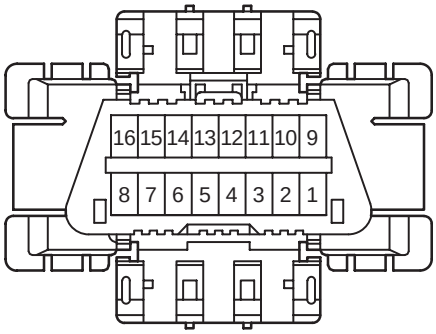
D1
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D2
BLACK



D3



D4
BLACK



D5
GRAY



D6
GRAY



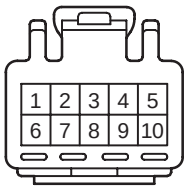
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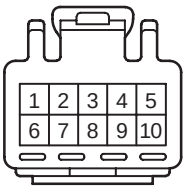
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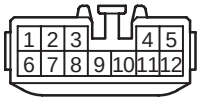
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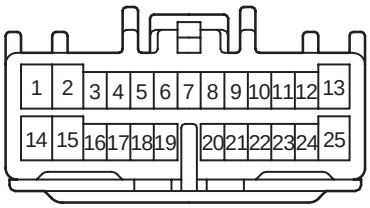
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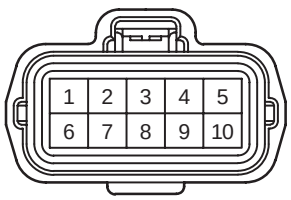
D11



D12



E1
GRAY



E2
DARK GRAY



E3
BLACK



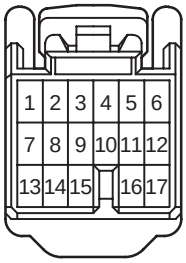
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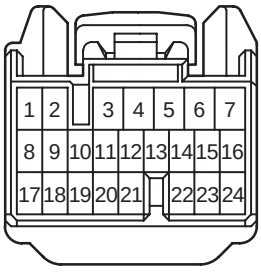
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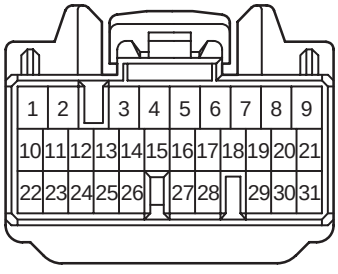
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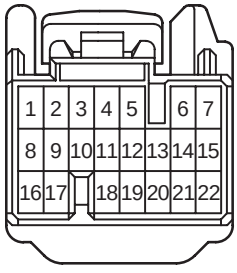
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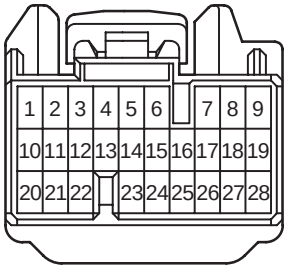
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E9

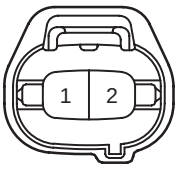


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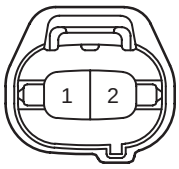


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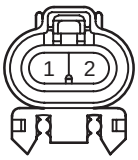
F1
GRAY



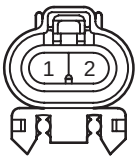
F2
GRAY



F3
GRAY



F4
GRAY



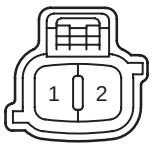
F5
GRAY



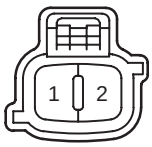
F6
GRAY



F7
GRAY



F8
GRAY



F9
GRAY



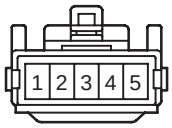
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GRAY



F11

(See Page 87)

F12



F13



F14



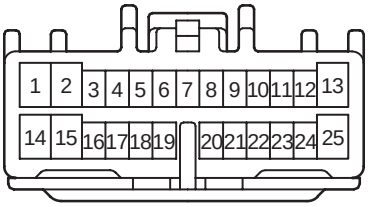
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F16



F17



F18



F19



G1
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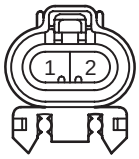
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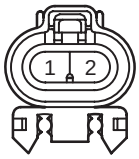
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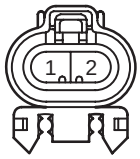
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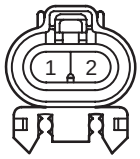
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H5
BLACK



H6
BROWN



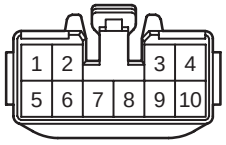
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H8
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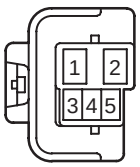
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H10



H11



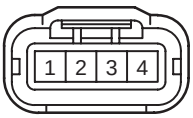
H12
DARK GRAY



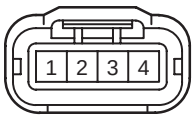
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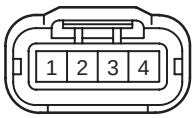
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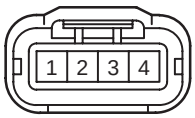
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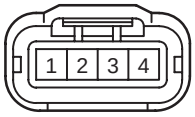
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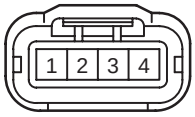
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I5
BLACK



I6
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I7
GRAY



I8
GRAY



I9
GRAY



I10
GRAY



I11
GRAY



I12
GRAY



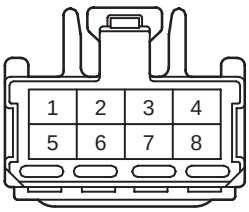
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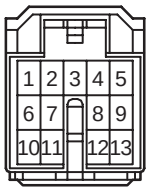
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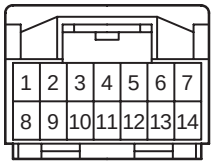
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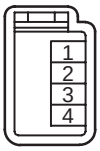
I16



I17
GRAY



I18
ORANGE



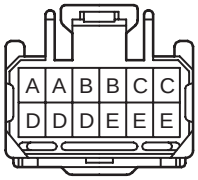
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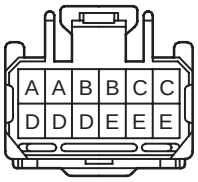
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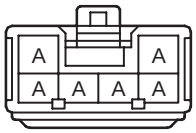
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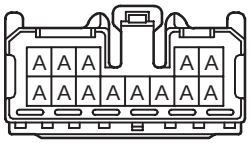
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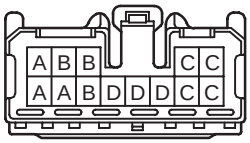
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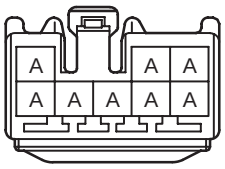
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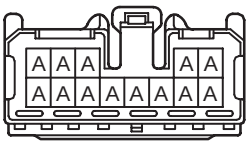
J8
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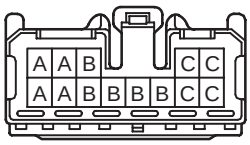
J9



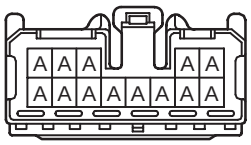
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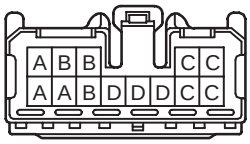
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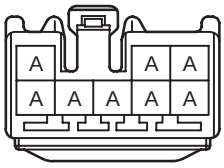
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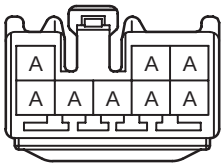
J13
BLUE



J14



J15



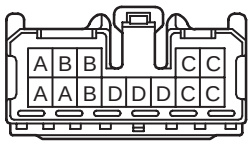
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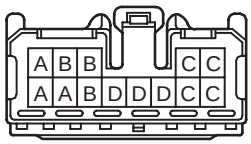
J18



J19
BLUE



J20
BLUE



K1
DARK GRAY

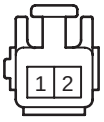


K2
DARK GRAY

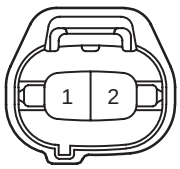


K CONNECTOR LIST

K3
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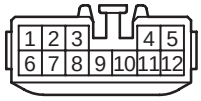
K4
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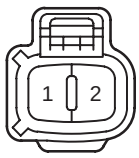
L1



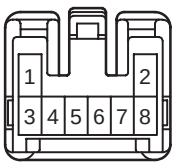
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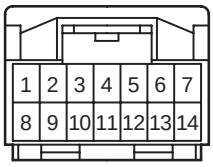
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GRAY



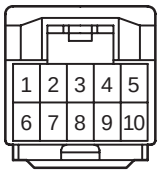
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M3



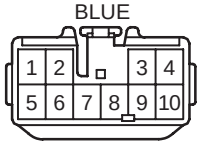
M4
BLUE



M5
BLUE



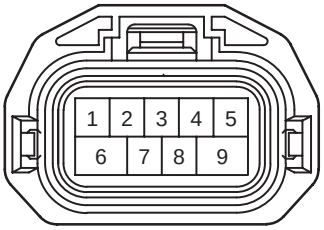
M6
BLUE



M7



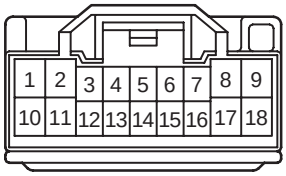
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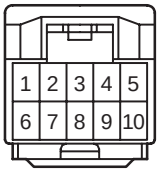
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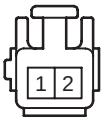
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N4



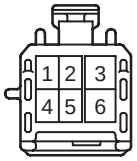
N5



O1
GRAY



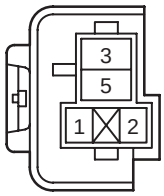
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P1
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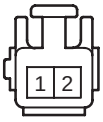
P2



P3



P4



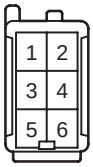
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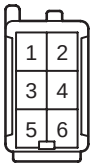
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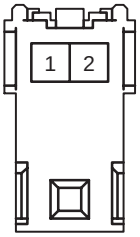
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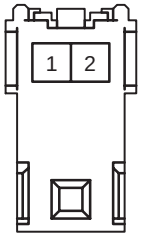
P8



P9
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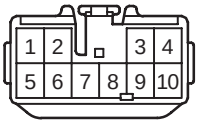
P10
YELLOW



P11



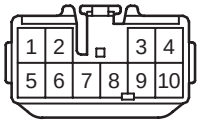
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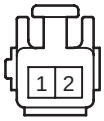
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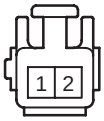
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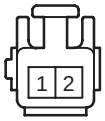
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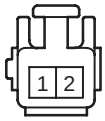
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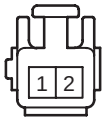
P17
BLUE



P18



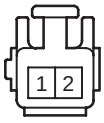
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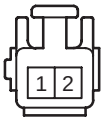
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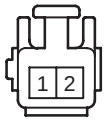
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P22
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P23



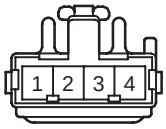
P24



R1
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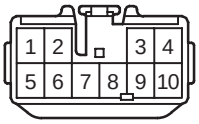
R2



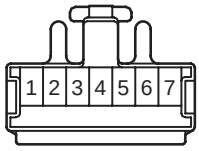
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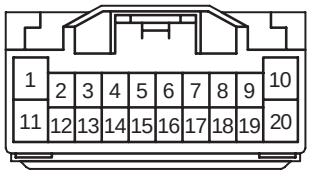
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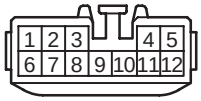
R5



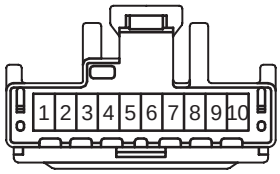
R6



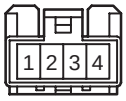
R7



R8
BLACK



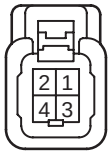
R9



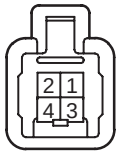
R10



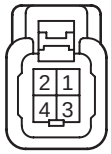
R11



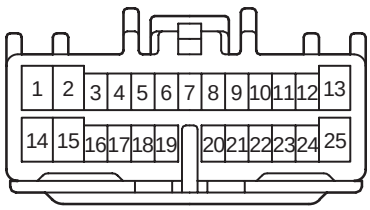
R12



R13



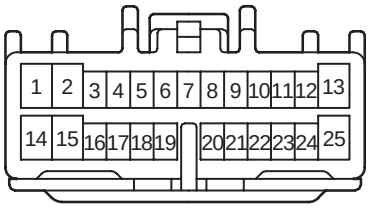
R14



R15



R16



R17



R18



R19



K CONNECTOR LIST

R20



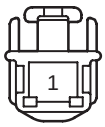
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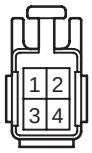
R22



R23



R24



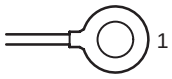
R25
BLUE



R26
BLUE



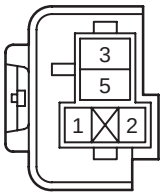
S1



S2
BLACK



S3



S4
(LHD) BLUE



S4
(RHD)



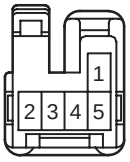
S5
(LHD) BLUE



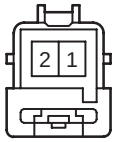
S5
(RHD)



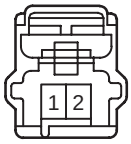
S6



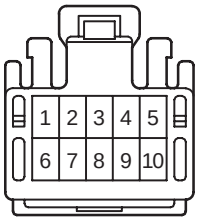
S7
YELLOW



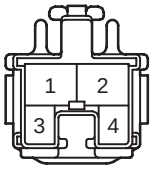
S8
YELLOW



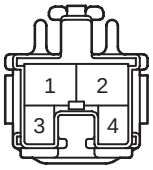
S9



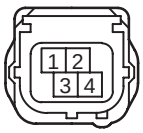
S10
(LHD)



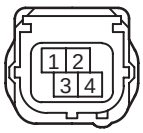
S10
(RHD) BLACK



S11
YELLOW



S12
YELLOW



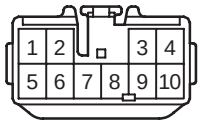
S13
YELLOW



S14
YELLOW



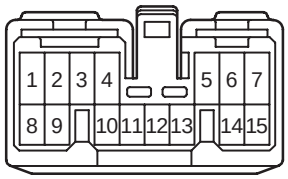
S15



S16



S17



S18



S19



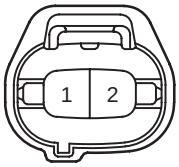
S20



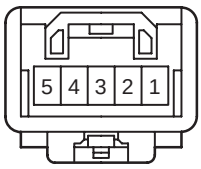
T1
BLACK



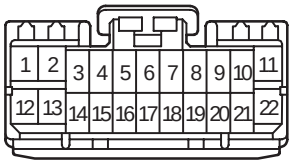
T2
BLACK



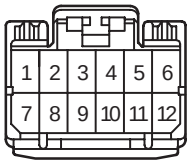
T3



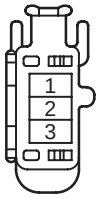
T4



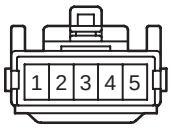
T5



T6



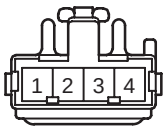
T7



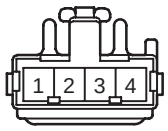
T8



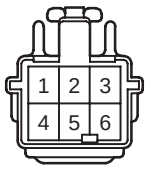
T9



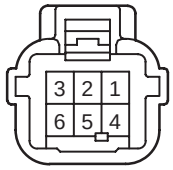
T10



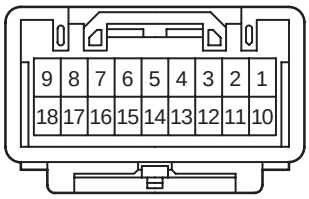
T11



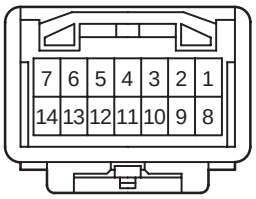
T12



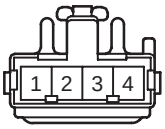
T13



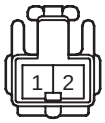
T14



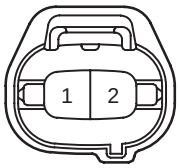
T15



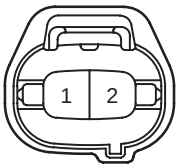
U1



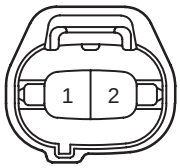
V1
BROWN



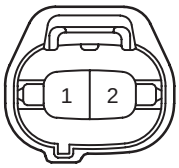
V2
BROWN



V3
BLUE



V4
BLUE



V5
BLACK



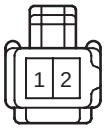
V6
BLACK



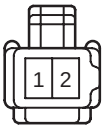
V7



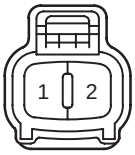
V8



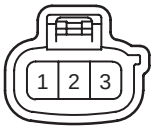
V9



W1
BLACK



W2
BLACK



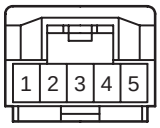
W3
GRAY



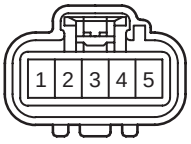
W4
GRAY



W5



Y1
BLACK



L INFORMATIONS SUR LE CONNECTEUR

Code	Voire page	Désignation des pièces
A1	90 (LHD) 98 (RHD)	Capteur de température ambiante de A/C
A2	90 (LHD) 98 (RHD)	Moteur de ventilateur de condenseur de A/C
A3	90 (LHD) 98 (RHD)	Accouplement magnétique de A/C et capteur de blocage
A4	90 (LHD) 98 (RHD)	Triple pressostat de A/C (double pressostat et pressostat simple de A/C)
A5	90 (LHD) 98 (RHD)	Dispositif de commande ABS & BA & TRC & VSC
A6	90 (LHD) 98 (RHD)	
A7	90 (LHD) 98 (RHD)	
A8	90 (LHD) 98 (RHD)	Capteur de vitesse de ABS avant gauche
A9	90 (LHD) 98 (RHD)	Capteur de vitesse de ABS avant droit
A10	90 (LHD) 98 (RHD)	Débitmètre d'air
A11	90 (LHD) 98 (RHD)	Capteur de rapport air/carburant (rangée 1, capteur 1)
A12	90 (LHD) 98 (RHD)	Capteur de rapport air/carburant (rangée 2, capteur 1)
A13	90 (LHD) 98 (RHD)	Capteur de sac gonflable avant gauche
A14	90 (LHD) 98 (RHD)	Capteur de sac gonflable avant droit
A15	90 (LHD) 98 (RHD)	Alternateur
A16	90 (LHD) 98 (RHD)	
A17	92 (LHD) 100 (RHD)	Capteur de température d'evaporateur de A/C
A18	92 (LHD) 100 (RHD)	Capteur de température ambiante d'habitacle de A/C
A19	92 (LHD) 100 (RHD)	Capteur solaire de A/C
A20	92 (LHD) 100 (RHD)	ECU de ABS & BA & TRC & VSC
A21	92 (LHD) 100 (RHD)	
A22	92 (LHD) 100 (RHD)	
A23	92 (LHD) 100 (RHD)	

Code	Voire page	Désignation des pièces
A24	92 (LHD) 100 (RHD)	Servomoteur de commande d'admission d'air
A25	92 (LHD) 100 (RHD)	Servomoteur de commande de mélange d'air
A26	92 (LHD) 100 (RHD)	Servomoteur de commande de mode d'aération
A27	92 (LHD) 100 (RHD)	Ensemble de capteur de sac gonflable
A28	92 (LHD) 100 (RHD)	
A29	92 (LHD) 100 (RHD)	
A30	92 (LHD) 100 (RHD)	Charge explosive de sac gonflable (ensemble de sac gonflable de passager avant)
A31	92 (LHD) 100 (RHD)	Charge explosive de sac gonflable (rembourrage de volant de direction)
A32	92 (LHD) 100 (RHD)	Eclairage de cendrier
A33	92 (LHD) 100 (RHD)	Capteur de commande d'éclairage automatique
A34	94 (LHD) 102 (RHD)	Capteur de vitesse de ABS arrière gauche
A35	94 (LHD) 102 (RHD)	Capteur de vitesse de ABS arrière droit
A36	94 (LHD) 102 (RHD)	Moteur et relais d'antenne électrique
B1	90 (LHD) 98 (RHD)	Contacteur de rappel de niveau de liquide de frein
B2	92 (LHD) 100 (RHD)	Moteur de soufflerie
B3	92 (LHD) 100 (RHD)	Relais de commande de moteur de soufflerie
B4	92 (LHD) 100 (RHD)	
B5	92 (LHD) 100 (RHD)	ECU de carrosserie
B6	92 (LHD) 100 (RHD)	
B7	92 (LHD) 100 (RHD)	
B8	92 (LHD) 100 (RHD)	
B9	94 (LHD) 102 (RHD)	Contacteur d'éclairage de courtoisie de hayon

Code	Voire page	Désignation des pièces
B10	94 (LHD) 102 (RHD)	Contacteur de condamnation et de libération de hayon
B11	94 (LHD) 102 (RHD)	Moteur de condamnation de hayon et contacteur de détection de libération de hayon
B12	96 (LHD) 104 (RHD)	Contacteur de boucle gauche
B13	96 (LHD) 104 (RHD)	Contacteur de boucle droite
C1	90 (LHD) 98 (RHD)	Distributeur hydraulique de synchronisation d'arbre à cames gauche
C2	90 (LHD) 98 (RHD)	Distributeur hydraulique de synchronisation d'arbre à cames droit
C3	90 (LHD) 98 (RHD)	Sensor de velocidad del contraengranaje
C4	90 (LHD) 98 (RHD)	Capteur de position de vilebrequin
C5	90 (LHD) 98 (RHD)	Dispositif de commande de programmateur de vitesse de croisière
C6	92 (LHD) 100 (RHD)	Changeur automatique de CD
C7	92 (LHD) 100 (RHD)	Téléphone cellulaire (combiné portatif)
C8	92 (LHD) 100 (RHD)	Allume–cigare
C9	92 (LHD) 100 (RHD)	Eclairage d'allume–cigare
C10	92 (LHD) 100 (RHD)	ECU de combiné de bord
C11	92 (LHD) 100 (RHD)	
C12	92 (LHD) 100 (RHD)	
C13	92 (LHD) 100 (RHD)	Commande combinée
C14	92 (LHD) 100 (RHD)	
C15	92 (LHD) 100 (RHD)	
C16	92 (LHD) 100 (RHD)	ECU de programmateur de vitesse de croisière
D1	92 (LHD) 100 (RHD)	Capteur de décélération
D2	92 (LHD) 100 (RHD)	Diode (A/C)
D3	92 (LHD) 100 (RHD)	DLC3

Code	Voire page	Désignation des pièces
D4	94 (LHD) 102 (RHD)	Diode (Plafonnier arrière)
D5	94 (LHD) 102 (RHD)	Eclairage de courtoisie sur porte avant gauche
D6	94 (LHD) 102 (RHD)	Eclairage de courtoisie sur porte avant droite
D7	94 (LHD) 102 (RHD)	Moteur et contacteur de condamnation de porte avant gauche
D8	94 (LHD) 102 (RHD)	Moteur et contacteur de condamnation de porte avant droite
D9	94 (LHD) 102 (RHD)	Moteur et contacteur de condamnation de porte arrière gauche
D10	94 (LHD) 102 (RHD)	Moteur et contacteur de condamnation de porte arrière droite
D11	94 (LHD) 102 (RHD)	Relais de commande de porte à double condamnation
D12	94 (LHD) 102 (RHD)	ECU de porte de conducteur
E1	90 (LHD) 98 (RHD)	Solénoïde de commande ECT
E2	90 (LHD) 98 (RHD)	Capteur de température d'eau de EFI
E3	90 (LHD) 98 (RHD)	Contacteur d'éclairage de courtoisie de compartiment moteur
E4	90 (LHD) 98 (RHD)	Capteur de niveau d'huile moteur
E5	92 (LHD) 100 (RHD)	Sélecteur de mode de sélection de rapport de boîte ECT
E6	92 (LHD) 100 (RHD)	ECU de moteur et de boîte ECT
E7	92 (LHD) 100 (RHD)	
E8	92 (LHD) 100 (RHD)	
E9	92 (LHD) 100 (RHD)	
E10	92 (LHD) 100 (RHD)	
F1	90 (LHD) 98 (RHD)	Feu d'encombrement avant gauche
F2	90 (LHD) 98 (RHD)	Feu d'encombrement avant droit
F3	90 (LHD) 98 (RHD)	Projecteur antibrouillard avant gauche
F4	90 (LHD) 98 (RHD)	Projecteur antibrouillard avant droit

L INFORMATIONS SUR LE CONNECTEUR

Code	Voire page	Désignation des pièces
F5	90 (LHD) 98 (RHD)	Feu de changement de direction latéral avant gauche
F6	90 (LHD) 98 (RHD)	Feu de changement de direction latéral avant droit
F7	90 (LHD) 98 (RHD)	Feu de changement de direction avant gauche
F8	90 (LHD) 98 (RHD)	Feu de changement de direction avant droit
F9	90 (LHD) 98 (RHD)	Désembueur de glace de pare–brise
F10	90 (LHD) 98 (RHD)	Moteur d'essuie–glace de pare–brise
F11	90 (LHD) 98 (RHD)	Bloc d'éléments fusibles
F12	93 (LHD) 101 (RHD)	Témoin de rappel de ceinture de sécurité de siège de passager avant
F13	93 (LHD) 101 (RHD)	Prise d'alimentation avant
F14	94 (LHD) 102 (RHD)	Haut–parleur de porte avant gauche
F15	94 (LHD) 102 (RHD)	Haut–parleur de porte avant droite
F16	94 (LHD) 102 (RHD)	Plafonnier avant
F17	94 (LHD) 102 (RHD)	ECU de porte de passager avant
F18	94 (LHD) 102 (RHD)	Pompe d'alimentation et jauge émettrice de niveau d'essence (principale)
F19	94 (LHD) 102 (RHD)	Jauge émettrice de niveau d'essence (secondaire)
G1	93 (LHD) 101 (RHD)	Eclairage de boîte à gants
H1	90 (LHD) 98 (RHD)	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant gauche
H2	90 (LHD) 98 (RHD)	Dispositif de commande de réglage d'orientation de faisceau de projecteur avant droit
H3	90 (LHD) 98 (RHD)	Projecteur avant gauche (feux de route)
H4	90 (LHD) 98 (RHD)	
H5	90 (LHD) 98 (RHD)	Projecteur avant droit (feu de route)
H6	90 (LHD) 98 (RHD)	Projecteur avant droit (feux de route)
H7	90 (LHD) 98 (RHD)	Avertisseur gauche
H8	90 (LHD) 98 (RHD)	Avertisseur droit
H9	93 (LHD) 101 (RHD)	Commande de feux de détresse
H10	93 (LHD) 101 (RHD)	Commande de réglage d'orientation de faisceau de projecteur avant
H11	93 (LHD)	Relais de chauffage
H12	94 (LHD) 102 (RHD)	Capteur d'oxygène réchauffé (rangée 1, capteur 2)
H13	94 (LHD) 102 (RHD)	Feux stop à implantation haute
I1	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 1
I2	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 2
I3	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 3
I4	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 4
I5	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 5
I6	91 (LHD) 99 (RHD)	Bobine d'allumage et allumeur N° 6
I7	91 (LHD) 99 (RHD)	Injecteur N° 1
I8	91 (LHD) 99 (RHD)	Injecteur N° 2
I9	91 (LHD) 99 (RHD)	Injecteur N° 3
I10	91 (LHD) 99 (RHD)	Injecteur N° 4
I11	91 (LHD) 99 (RHD)	Injecteur N° 5
I12	91 (LHD) 99 (RHD)	Injecteur N° 6
I13	91 (LHD) 99 (RHD)	Soupape ISC
I14	93 (LHD) 101 (RHD)	Eclairage de barillet de contacteur d'allumage
I15	93 (LHD) 101 (RHD)	Contacteur d'allumage
I16	101 (RHD)	Tableau de commande de bord
I17	93 (LHD) 101 (RHD)	
I18	94 (LHD) 102 (RHD)	Rétroviseur intérieur

Code	Voire page	Désignation des pièces
J1	91 (LHD)	Connecteur de raccord
	99 (RHD)	
J2	91 (LHD)	
	99 (RHD)	
J3	93 (LHD)	
	101 (RHD)	
J4	93 (LHD)	
	101 (RHD)	
J5	93 (LHD)	
	101 (RHD)	
J7	93 (LHD)	
	101 (RHD)	
J8	93 (LHD)	
	101 (RHD)	
J9	93 (LHD)	
	101 (RHD)	
J10	93 (LHD)	
	101 (RHD)	
J11	94 (LHD)	
	102 (RHD)	
J12	94 (LHD)	
	102 (RHD)	
J13	94 (LHD)	
	102 (RHD)	
J14	94 (LHD)	
	102 (RHD)	
J15	94 (LHD)	
	102 (RHD)	
J17	96 (LHD)	
	104 (RHD)	
J18	96 (LHD)	
	104 (RHD)	
J19	101 (RHD)	
J20		
K1	91 (LHD)	Capteur de cognement moteur 1
	99 (RHD)	
K2	91 (LHD)	Capteur de cognement moteur 2
	99 (RHD)	
K3	93 (LHD)	Solénoïde de commande de couplage par la clé
	101 (RHD)	
K4	93 (LHD)	Contacteur de rétrogradation
L1	94 (LHD)	Eclairage de plaque minéralogique
	102 (RHD)	
L2	94 (LHD)	Capteur de panne de dispositif d’éclairage
	102 (RHD)	

Code	Voire page	Désignation des pièces
M1	91 (LHD)	Capteur de pression de maître–cylindre
	99 (RHD)	
M2	101 (RHD)	Afficheur multifonctions
M3	93 (LHD)	
	101 (RHD)	
M4	93 (LHD)	
	101 (RHD)	
M5	93 (LHD)	
	101 (RHD)	
M6	94 (LHD)	ECU de commande de toit ouvrant
	102 (RHD)	
M7	94 (LHD)	Commande de toit ouvrant
	102 (RHD)	
N1	91 (LHD)	Contacteur de démarrage au point mort, contacteur d’indicateur A/T et contacteur de feux de recul
	99 (RHD)	
N2	91 (LHD)	Filtre antiparasites (système d’allumage)
	99 (RHD)	
N3	94 (LHD)	ECU de navigation
	102 (RHD)	
N4	94 (LHD)	
	102 (RHD)	
N5	94 (LHD)	Filtre antiparasites (DEF)
	102 (RHD)	
O1	91 (LHD)	Manocontact de pression d’huile
	99 (RHD)	
O2	93 (LHD)	Contacteur principale de O/D
	101 (RHD)	
P1	91 (LHD)	Manocontact de pression d’huile de direction assistée
	99 (RHD)	
P2	93 (LHD)	Relais de panneau
P3	93 (LHD)	Contacteur de frein de stationnement
	101 (RHD)	
P4	95 (LHD)	Projecteur individuel
	103 (RHD)	
P5	95 (LHD)	Commande de lève–glace électrique arrière gauche
	103 (RHD)	
P6	95 (LHD)	Commande de lève–glace électrique arrière droit
	103 (RHD)	
P7	95 (LHD)	Moteur de lève–glace électrique avant gauche
	103 (RHD)	
P8	95 (LHD)	Moteur de lève–glace électrique avant droit
	103 (RHD)	
P9	95 (LHD)	Prétendeur gauche
	103 (RHD)	

L INFORMATIONS SUR LE CONNECTEUR

Code	Voire page	Désignation des pièces
P10	95 (LHD)	Prétendeur droit
	103 (RHD)	
P11	96 (LHD)	Commande de siège à commande électrique (commande de support lombaire de siège de conducteur)
	104 (RHD)	
P12	96 (LHD)	Commande de siège à commande électrique (siège de conducteur)
	104 (RHD)	
P13	96 (LHD)	Commande de siège à commande électrique (commande de support lombaire de siège de passager avant)
	104 (RHD)	
P14	96 (LHD)	Commande de siège à commande électrique (siège de passager avant)
	104 (RHD)	
P15	96 (LHD)	Moteur de siège à commande électrique (commande de réglage vertical avant de siège de conducteur)
	104 (RHD)	
P16	96 (LHD)	Moteur de siège à commande électrique (commande de réglage de support lombaire de siège de conducteur)
	104 (RHD)	
P17	96 (LHD)	Moteur de siège à commande électrique (commande de réglage vertical arrière de siège de conducteur)
	104 (RHD)	
P18	96 (LHD)	Moteur de siège à commande électrique (commande de réglage d’inclinaison de siège de conducteur)
	104 (RHD)	
P19	96 (LHD)	Moteur de siège à commande électrique (commande de translation de siège de conducteur)
	104 (RHD)	
P20	96 (LHD)	Moteur de siège à commande électrique (commande de réglage vertical arrière de siège de passager avant)
	104 (RHD)	
P21	96 (LHD)	Moteur de siège à commande électrique (commande de réglage de support lombaire de siège de passager avant)
	104 (RHD)	
P22	96 (LHD)	Moteur de siège à commande électrique (commande de réglage vertical de siège de passager avant)
	104 (RHD)	
P23	96 (LHD)	Moteur de siège à commande électrique (commande de réglage d’inclinaison de siège de passager avant)
	104 (RHD)	
P24	96 (LHD)	Moteur de siège à commande électrique (commande de translation de siège de passager avant)
	104 (RHD)	
R1	91 (LHD)	Moteur de ventilateur de radiateur
	99 (RHD)	
R2	93 (LHD)	Capteur de radar
	101 (RHD)	
R3	101 (RHD)	Autoradio et lecteur de cassettes
R4		
R5		
R6	93 (LHD)	
	101 (RHD)	
R7	93 (LHD)	
	101 (RHD)	
R8	93 (LHD)	Commande de rétroviseur à commande électrique
	101 (RHD)	

Code	Voire page	Désignation des pièces
R9	93 (LHD)	Rhéostat
R10	95 (LHD)	Eclairage arrière combiné gauche
	103 (RHD)	
R11	95 (LHD)	
	103 (RHD)	
R12	95 (LHD)	Eclairage arrière combiné droit
	103 (RHD)	
R13	95 (LHD)	
	103 (RHD)	
R14	95 (LHD)	ECU de porte arrière gauche
	103 (RHD)	
R15	95 (LHD)	
	103 (RHD)	
R16	95 (LHD)	ECU de porte arrière droite
	103 (RHD)	
R17	95 (LHD)	
	103 (RHD)	
R18	95 (LHD)	Haut–parleur de porte arrière gauche
	103 (RHD)	
R19	95 (LHD)	Haut–parleur de porte arrière droit
	103 (RHD)	
R20	95 (LHD)	Plafonnier arrière
	103 (RHD)	
R21	95 (LHD)	Prise d’alimentation arrière
	103 (RHD)	
R22	95 (LHD)	Désembueur de glace de lunette arrière
	103 (RHD)	
R23	95 (LHD)	
	103 (RHD)	
R24	95 (LHD)	Moteur d’essuie–glace de lunette arrière
	103 (RHD)	
R25	95 (LHD)	Rétroviseur à commande électrique gauche
	103 (RHD)	
R26	95 (LHD)	Rétroviseur à commande électrique droit
	103 (RHD)	
S1	91 (LHD)	Démarreur
	99 (RHD)	
S2	91 (LHD)	
	99 (RHD)	
S3	93 (LHD)	Relais de chauffage de siège
S4	93 (LHD)	Commande de chauffage de siège (siège de conducteur)
	101 (RHD)	
S5	93 (LHD)	Commande de chauffage de siège (siège de passager avant)
	101 (RHD)	
S6	93 (LHD)	ECU de verrouillage de sécurité de changement de vitesses
	101 (RHD)	

Code	Voire page	Désignation des pièces
S7	93 (LHD) 101 (RHD)	Bloc raccord de shunt
S8	93 (LHD) 101 (RHD)	
S9	93 (LHD) 101 (RHD)	Capteur d’angle de direction
S10	93 (LHD) 101 (RHD)	Contacteur de feux stop
S11	95 (LHD) 103 (RHD)	Capteur de sac gonflable latéral gauche
S12	95 (LHD) 103 (RHD)	Capteur de sac gonflable latéral droit
S13	95 (LHD) 103 (RHD)	Charge explosive de sac gonflable latéral gauche
S14	95 (LHD) 103 (RHD)	Charge explosive de sac gonflable latéral droit
S15	95 (LHD) 103 (RHD)	Amplificateur stéréo
S16	95 (LHD) 103 (RHD)	
S17	95 (LHD) 103 (RHD)	
S18	96 (LHD) 104 (RHD)	Capteur de détection d’occupant de rappel de ceinture de sécurité
S19	96 (LHD) 104 (RHD)	Chauffage de siège (siège de conducteur)
S20	96 (LHD) 104 (RHD)	Chauffage de siège (siège de passager avant)
T1	91 (LHD) 99 (RHD)	Capteur de position de papillon d’accélération
T2	91 (LHD) 99 (RHD)	Capteur de vitesse de turbine
T3	93 (LHD) 101 (RHD)	Microphone de téléphone
T4	93 (LHD) 101 (RHD)	ECU de dissuasion contre le vol
T5	93 (LHD) 101 (RHD)	
T6	101 (RHD)	Lampe–témoin de dissuation contre le vol
T7	93 (LHD) 101 (RHD)	Amplificateur de clé de transpondeur
T8	93 (LHD) 101 (RHD)	Central clignotant de feux clignotants
T9	93 (LHD) 101 (RHD)	Tweeter gauche

Code	Voire page	Désignation des pièces
T10	93 (LHD) 101 (RHD)	Tweeter droite
T11	95 (LHD) 103 (RHD)	ECU de téléphone
T12	95 (LHD) 103 (RHD)	
T13	95 (LHD) 103 (RHD)	
T14	95 (LHD) 103 (RHD)	
T15	95 (LHD) 103 (RHD)	Sirène de dissuasion contre le vol
U1	93 (LHD) 101 (RHD)	Contacteur de rappel de libération
V1	91 (LHD) 99 (RHD)	VSV (ACIS N° 1)
V2	91 (LHD) 99 (RHD)	VSV (ACIS N° 2)
V3	91 (LHD) 99 (RHD)	VSV (ACM)
V4	91 (LHD) 99 (RHD)	VSV (EVAP)
V5	91 (LHD) 99 (RHD)	Capteur gauche de VVT
V6	91 (LHD) 99 (RHD)	Capteur droit de VVT
V7	93 (LHD) 101 (RHD)	Sonnerie de rappel de VSC
V8	95 (LHD) 103 (RHD)	Eclairage gauche de miroir de maquillage
V9	95 (LHD) 103 (RHD)	Eclairage droit de miroir de maquillage
W1	91 (LHD) 99 (RHD)	Contacteur de niveau de liquide de lave–glace
W2	91 (LHD) 99 (RHD)	Moteur de lave–glace
W3	91 (LHD) 99 (RHD)	Contacteur de température d’eau N° 1
W4	91 (LHD) 99 (RHD)	Contacteur de température d’eau N° 2
W5	95 (LHD) 103 (RHD)	Récepteur de la commande de porte à commande radio
Y1	95 (LHD) 103 (RHD)	Capteur de mouvement de lacet

L INFORMACION DE CONECTORES

Código	Vea la página	Nombre de las partes
A1	90 (LHD) 98 (RHD)	Sensor del temperatura ambiente del A/C
A2	90 (LHD) 98 (RHD)	Motor del ventilador del condensador del A/C
A3	90 (LHD) 98 (RHD)	Embrague magnético del A/C y sensor de bloqueo del A/C
A4	90 (LHD) 98 (RHD)	Interruptor de presión triple del A/C (interruptor de presión doble y sencillo del A/C)
A5	90 (LHD) 98 (RHD)	Actuador de ABS y BA y TRC y VSC
A6	90 (LHD) 98 (RHD)	
A7	90 (LHD) 98 (RHD)	
A8	90 (LHD) 98 (RHD)	Sensor de velocidad de ABS, frontal izquierdo
A9	90 (LHD) 98 (RHD)	Sensor de velocidad de ABS, frontal derecho
A10	90 (LHD) 98 (RHD)	Medidor de flujo de aire
A11	90 (LHD) 98 (RHD)	Sensor de la relación de aire–combustible (banco 1 sensor 1)
A12	90 (LHD) 98 (RHD)	Sensor de la relación de aire–combustible (banco 2 sensor 1)
A13	90 (LHD) 98 (RHD)	Sensor del colchón de aire delantero izquierdo
A14	90 (LHD) 98 (RHD)	Sensor del colchón de aire delantero derecho
A15	90 (LHD) 98 (RHD)	Alternador
A16	90 (LHD) 98 (RHD)	
A17	92 (LHD) 100 (RHD)	Sensor del temperatura del evaporador del A/C
A18	92 (LHD) 100 (RHD)	Sensor de la temperatura del compartimiento del A/C
A19	92 (LHD) 100 (RHD)	Sensor solar del A/C
A20	92 (LHD) 100 (RHD)	ECU de ABS y BA y TRC y VSC
A21	92 (LHD) 100 (RHD)	
A22	92 (LHD) 100 (RHD)	
A23	92 (LHD) 100 (RHD)	

Código	Vea la página	Nombre de las partes
A24	92 (LHD) 100 (RHD)	Servomotor de control de la entrada de aire
A25	92 (LHD) 100 (RHD)	Servomotor de control de mezcla de aire
A26	92 (LHD) 100 (RHD)	Servomotor de control del modo de ventilación de aire
A27	92 (LHD) 100 (RHD)	Conjunto del sensor del colchón de aire
A28	92 (LHD) 100 (RHD)	
A29	92 (LHD) 100 (RHD)	
A30	92 (LHD) 100 (RHD)	Detonador del colchón de aire (conjunto del colchón de aire del pasajero delantero)
A31	92 (LHD) 100 (RHD)	Detonador del colchón de aire (almohadilla del volante de dirección)
A32	92 (LHD) 100 (RHD)	Iluminación del cenicero
A33	92 (LHD) 100 (RHD)	Sensor del control automático de las luces
A34	94 (LHD) 102 (RHD)	Sensor de velocidad de ABS, trasero izquierdo
A35	94 (LHD) 102 (RHD)	Sensor de velocidad de ABS, trasero derecho
A36	94 (LHD) 102 (RHD)	Motor y relé de la antena eléctrica
B1	90 (LHD) 98 (RHD)	Interruptor de advertencia del nivel del líquido de frenos
B2	92 (LHD) 100 (RHD)	Motor del soplador
B3	92 (LHD) 100 (RHD)	Relé de control del motor del soplador
B4	92 (LHD) 100 (RHD)	
B5	92 (LHD) 100 (RHD)	ECU de la carrocería
B6	92 (LHD) 100 (RHD)	
B7	92 (LHD) 100 (RHD)	
B8	92 (LHD) 100 (RHD)	
B9	94 (LHD) 102 (RHD)	Interruptor de cortesía de la puerta posterior
B10	94 (LHD) 102 (RHD)	Interruptor de bloqueo y desbloqueo de la llave de la puerta posterior

Código	Vea la página	Nombre de las partes
B11	94 (LHD)	Motor de bloqueo de la puerta posterior e interruptor de detención de desbloqueo de la puerta posterior
	102 (RHD)	
B12	96 (LHD)	Interruptor de la hebilla izquierda
	104 (RHD)	
B13	96 (LHD)	Interruptor de la hebilla derecha
	104 (RHD)	
C1	90 (LHD)	Válvula izquierda de control del aceite de distribución del árbol de levas
	98 (RHD)	
C2	90 (LHD)	Válvula derecha de control del aceite de distribución del árbol de levas
	98 (RHD)	
C3	90 (LHD)	Capteur de vitesse d'engrenage de compteur
	98 (RHD)	
C4	90 (LHD)	Sensor de posición del cigüeñal
	98 (RHD)	
C5	90 (LHD)	Actuador del control de crucero
	98 (RHD)	
C6	92 (LHD)	Cargador automático de CD
	100 (RHD)	
C7	92 (LHD)	Teléfono celular (microteléfono)
	100 (RHD)	
C8	92 (LHD)	Encendedor de cigarrillos
	100 (RHD)	
C9	92 (LHD)	Iluminación del encendedor de cigarrillos
	100 (RHD)	
C10	92 (LHD)	ECU del medidor de combinacion
	100 (RHD)	
C11	92 (LHD)	
	100 (RHD)	
C12	92 (LHD)	
	100 (RHD)	
C13	92 (LHD)	Interruptor de combinación
	100 (RHD)	
C14	92 (LHD)	
	100 (RHD)	
C15	92 (LHD)	
	100 (RHD)	
C16	92 (LHD)	ECU de control de crucero
	100 (RHD)	
D1	92 (LHD)	Sensor de desaceleración
	100 (RHD)	
D2	92 (LHD)	Diodo (A/C)
	100 (RHD)	
D3	92 (LHD)	DLC3
	100 (RHD)	
D4	94 (LHD)	Diodo (Luz interior trasera)
	102 (RHD)	

Código	Vea la página	Nombre de las partes
D5	94 (LHD)	Luz de cortesía de la puerta, frontal izquierda
	102 (RHD)	
D6	94 (LHD)	Luz de cortesía de la puerta, frontal derecha
	102 (RHD)	
D7	94 (LHD)	Motor e interruptor de bloqueo de la puerta frontal izquierda
	102 (RHD)	
D8	94 (LHD)	Motor e interruptor de bloqueo de la puerta frontal derecha
	102 (RHD)	
D9	94 (LHD)	Motor e interruptor de bloqueo de la puerta trasera izquierda
	102 (RHD)	
D10	94 (LHD)	Motor e interruptor de bloqueo de la puerta trasera derecha
	102 (RHD)	
D11	94 (LHD)	Relé de control de la puerta de bloqueo doble
	102 (RHD)	
D12	94 (LHD)	ECU de la puerta del conductor
	102 (RHD)	
E1	90 (LHD)	Solenoide de ECT
	98 (RHD)	
E2	90 (LHD)	Sensor de la temperatura del agua de EFI
	98 (RHD)	
E3	90 (LHD)	Interruptor de cortesía del capo del motor
	98 (RHD)	
E4	90 (LHD)	Sensor del nivel de aceite del motor
	98 (RHD)	
E5	92 (LHD)	Selector de patrón de ECT
	100 (RHD)	
E6	92 (LHD)	ECU del motor y ECT
	100 (RHD)	
E7	92 (LHD)	
	100 (RHD)	
E8	92 (LHD)	
	100 (RHD)	
E9	92 (LHD)	
	100 (RHD)	
E10	92 (LHD)	
	100 (RHD)	
F1	90 (LHD)	Luz de paso delantera izquierda
	98 (RHD)	
F2	90 (LHD)	Luz de paso delantera derecha
	98 (RHD)	
F3	90 (LHD)	Luz antiniebla frontal izquierda
	98 (RHD)	
F4	90 (LHD)	Luz antiniebla frontal derecha
	98 (RHD)	
F5	90 (LHD)	Luz de la señal de giro lateral frontal izquierda
	98 (RHD)	

L INFORMACION DE CONECTORES

Código	Vea la página	Nombre de las partes
F6	90 (LHD) 98 (RHD)	Luz de la señal de giro lateral frontal derecha
F7	90 (LHD) 98 (RHD)	Luz de la señal de giro delantera izquierda
F8	90 (LHD) 98 (RHD)	Luz de la señal de giro delantera derecha
F9	90 (LHD) 98 (RHD)	Desempañador de la ventanilla frontal
F10	90 (LHD) 98 (RHD)	Motor del limpiador frontal
F11	90 (LHD) 98 (RHD)	Bloque de eslabones fusibles
F12	93 (LHD) 101 (RHD)	Luz de advertencia de cinturón del asiento del pasajero delantero
F13	93 (LHD) 101 (RHD)	Toma de alimentación frontal
F14	94 (LHD) 102 (RHD)	Altavoz de la puerta frontal izquierda
F15	94 (LHD) 102 (RHD)	Altavoz de la puerta frontal derecha
F16	94 (LHD) 102 (RHD)	Luz interior frontal
F17	94 (LHD) 102 (RHD)	ECU de la puerta del pasajero delantero
F18	94 (LHD) 102 (RHD)	Bomba de combustible y emisor de combustible (principal)
F19	94 (LHD) 102 (RHD)	Emisor de combustible (secundario)
G1	93 (LHD) 101 (RHD)	Luz de la guantera
H1	90 (LHD) 98 (RHD)	Actuador de control del nivel del haz del faro izquierdo
H2	90 (LHD) 98 (RHD)	Actuador de control del nivel del haz del faro derecho
H3	90 (LHD) 98 (RHD)	Faro izquierdo (luz de carretera)
H4	90 (LHD) 98 (RHD)	Faro izquierdo (luces de cruce)
H5	90 (LHD) 98 (RHD)	Faro derecho (luz de carretera)
H6	90 (LHD) 98 (RHD)	Faro derecho (luces de cruce)
H7	90 (LHD) 98 (RHD)	Bocina izquierda
H8	90 (LHD) 98 (RHD)	Bocina derecha

Código	Vea la página	Nombre de las partes
H9	93 (LHD) 101 (RHD)	Interruptor de peligro
H10	93 (LHD) 101 (RHD)	Interruptor de control del nivel del haz del faro
H11	93 (LHD)	Relé del calefactor
H12	94 (LHD) 102 (RHD)	Sensor de oxígeno calentado (banco 1 sensor 2)
H13	94 (LHD) 102 (RHD)	Luz de parada de montura alta
I1	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 1
I2	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 2
I3	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 3
I4	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 4
I5	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 5
I6	91 (LHD) 99 (RHD)	Bobina de encendido y encendedor N.˚ 6
I7	91 (LHD) 99 (RHD)	Inyector N.˚ 1
I8	91 (LHD) 99 (RHD)	Inyector N.˚ 2
I9	91 (LHD) 99 (RHD)	Inyector N.˚ 3
I10	91 (LHD) 99 (RHD)	Inyector N.˚ 4
I11	91 (LHD) 99 (RHD)	Inyector N.˚ 5
I12	91 (LHD) 99 (RHD)	Inyector N.˚ 6
I13	91 (LHD) 99 (RHD)	Válvula de ISC
I14	93 (LHD) 101 (RHD)	Luz del cilindro de la llave de encendido
I15	93 (LHD) 101 (RHD)	Interruptor de encendido
I16	101 (RHD)	Tablero de control de instrumentos
I17	93 (LHD) 101 (RHD)	
I18	94 (LHD) 102 (RHD)	Espejo interior

Código	Vea la página	Nombre de las partes
J1	91 (LHD)	Conector de unión
	99 (RHD)	
J2	91 (LHD)	
	99 (RHD)	
J3	93 (LHD)	
	101 (RHD)	
J4	93 (LHD)	
	101 (RHD)	
J5	93 (LHD)	
	101 (RHD)	
J7	93 (LHD)	
	101 (RHD)	
J8	93 (LHD)	
	101 (RHD)	
J9	93 (LHD)	
	101 (RHD)	
J10	93 (LHD)	
	101 (RHD)	
J11	94 (LHD)	
	102 (RHD)	
J12	94 (LHD)	
	102 (RHD)	
J13	94 (LHD)	
	102 (RHD)	
J14	94 (LHD)	
	102 (RHD)	
J15	94 (LHD)	
	102 (RHD)	
J17	96 (LHD)	
	104 (RHD)	
J18	96 (LHD)	
	104 (RHD)	
J19	101 (RHD)	
J20		
K1	91 (LHD)	Sensor de golpeteo 1
	99 (RHD)	
K2	91 (LHD)	Sensor de golpeteo 2
	99 (RHD)	
K3	93 (LHD)	Solenoide de interbloqueo de la llave
	101 (RHD)	
K4	93 (LHD)	Interruptor del retirador
L1	94 (LHD)	Luz de la matrícula
	102 (RHD)	
L2	94 (LHD)	Sensor de fallo de las luces
	102 (RHD)	
M1	91 (LHD)	Sensor de presión del cilindro principal
	99 (RHD)	

Código	Vea la página	Nombre de las partes
M2	101 (RHD)	Visualizador múltiple
M3	93 (LHD)	
	101 (RHD)	
M4	93 (LHD)	
	101 (RHD)	
M5	93 (LHD)	
	101 (RHD)	
M6	94 (LHD)	ECU de control del techo lunar
	102 (RHD)	
M7	94 (LHD)	Interruptor de control del techo lunar
	102 (RHD)	
N1	91 (LHD)	Interruptor de arranque en punto muerto, interruptor de la luz indicadora de A/T e interruptor de la luz de marcha atrás
	99 (RHD)	
N2	91 (LHD)	Filtro de ruido (sistema de encendido)
	99 (RHD)	
N3	94 (LHD)	ECU de navegación
	102 (RHD)	
N4	94 (LHD)	
	102 (RHD)	
N5	94 (LHD)	Filtro de ruido (DEF)
	102 (RHD)	
O1	91 (LHD)	Interruptor de presión de aceite
	99 (RHD)	
O2	93 (LHD)	Interruptor principal de O/D
	101 (RHD)	
P1	91 (LHD)	Interruptor de presión de aceite de la servodirección
	99 (RHD)	
P2	93 (LHD)	Relé del panel
P3	93 (LHD)	Interruptor del freno de estacionamiento
	101 (RHD)	
P4	95 (LHD)	Luz personal
	103 (RHD)	
P5	95 (LHD)	Interruptor de control de la ventanilla automática trasera izquierda
	103 (RHD)	
P6	95 (LHD)	Interruptor de control de la ventanilla automática trasera derecha
	103 (RHD)	
P7	95 (LHD)	Motor de la ventanilla automática frontal izquierda
	103 (RHD)	
P8	95 (LHD)	Motor de la ventanilla automática frontal derecha
	103 (RHD)	
P9	95 (LHD)	Pretensor izquierdo
	103 (RHD)	
P10	95 (LHD)	Pretensor derecho
	103 (RHD)	
P11	96 (LHD)	Interruptor de control del asiento eléctrico (control del soporte lumbar del asiento del conductor)
	104 (RHD)	

L INFORMACION DE CONECTORES

Código	Vea la página	Nombre de las partes
P12	96 (LHD) 104 (RHD)	Interruptor de control del asiento eléctrico (asiento del conductor)
P13	96 (LHD) 104 (RHD)	Interruptor de control del asiento eléctrico (control del soporte lumbar del asiento del pasajero delantero)
P14	96 (LHD) 104 (RHD)	Interruptor de control del asiento eléctrico (asiento del pasajero delantero)
P15	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control vertical frontal del asiento del conductor)
P16	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control del soporte lumbar del asiento del conductor)
P17	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control vertical trasero del asiento del conductor)
P18	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control de reclinación del asiento del conductor)
P19	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control deslizante del asiento del conductor)
P20	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control vertical trasero del asiento del pasajero delantero)
P21	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control del soporte lumbar del asiento del pasajero delantero)
P22	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control vertical trasero del asiento del pasajero delantero)
P23	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control de reclinación del asiento del pasajero delantero)
P24	96 (LHD) 104 (RHD)	Motor del asiento eléctrico (control deslizante del asiento del pasajero delantero)
R1	91 (LHD) 99 (RHD)	Motor del ventilador del radiador
R2	93 (LHD) 101 (RHD)	Sensor de radar
R3	101 (RHD)	Radio y reproductor
R4		
R5		
R6	93 (LHD) 101 (RHD)	
R7	93 (LHD) 101 (RHD)	
R8	93 (LHD) 101 (RHD)	Interruptor del espejo retrovisor de control remoto
R9	93 (LHD)	Reóstato
R10	95 (LHD) 103 (RHD)	Luz de combinación trasera izquierda
R11	95 (LHD) 103 (RHD)	

Código	Vea la página	Nombre de las partes
R12	95 (LHD) 103 (RHD)	Luz de combinación trasera derecha
R13	95 (LHD) 103 (RHD)	
R14	95 (LHD) 103 (RHD)	ECU de la puerta trasera izquierda
R15	95 (LHD) 103 (RHD)	
R16	95 (LHD) 103 (RHD)	ECU de la puerta trasera derecha
R17	95 (LHD) 103 (RHD)	
R18	95 (LHD) 103 (RHD)	Altavoz de la puerta trasera izquierda
R19	95 (LHD) 103 (RHD)	Altavoz de la puerta trasera derecha
R20	95 (LHD) 103 (RHD)	Luz interior trasera
R21	95 (LHD) 103 (RHD)	Toma de alimentación trasera
R22	95 (LHD) 103 (RHD)	Desempañador de la ventanilla trasera
R23	95 (LHD) 103 (RHD)	
R24	95 (LHD) 103 (RHD)	Motor del limpiador trasero
R25	95 (LHD) 103 (RHD)	Espejo retrovisor de control remoto izquierdo
R26	95 (LHD) 103 (RHD)	Espejo retrovisor de control remoto derecho
S1	91 (LHD) 99 (RHD)	Arrancador
S2	91 (LHD) 99 (RHD)	
S3	93 (LHD)	Relé del calefactor del asiento
S4	93 (LHD) 101 (RHD)	Interruptor del calefactor del asiento (asiento del conductor)
S5	93 (LHD) 101 (RHD)	Interruptor del calefactor del asiento (asiento del pasajero delantero)
S6	93 (LHD) 101 (RHD)	ECU de bloqueo de cambios
S7	93 (LHD) 101 (RHD)	Conector cortocircuitador
S8	93 (LHD) 101 (RHD)	

Código	Vea la página	Nombre de las partes
S9	93 (LHD) 101 (RHD)	Sensor del ángulo de dirección
S10	93 (LHD) 101 (RHD)	Interruptor de la luz de parada
S11	95 (LHD) 103 (RHD)	Sensor del colchón de aire lateral izquierdo
S12	95 (LHD) 103 (RHD)	Sensor del colchón de aire lateral derecho
S13	95 (LHD) 103 (RHD)	Detonador del colchón de aire lateral izquierdo
S14	95 (LHD) 103 (RHD)	Detonador del colchón de aire lateral derecho
S15	95 (LHD) 103 (RHD)	Amplificador de componente estéreo
S16	95 (LHD) 103 (RHD)	
S17	95 (LHD) 103 (RHD)	
S18	96 (LHD) 104 (RHD)	Sensor de detección de ocupante con aviso de cinturón de seguridad
S19	96 (LHD) 104 (RHD)	Calefactor del asiento (asiento del conductor)
S20	96 (LHD) 104 (RHD)	Calefactor del asiento (asiento del pasajero delantero)
T1	91 (LHD) 99 (RHD)	Sensor de posición del acelerador
T2	91 (LHD) 99 (RHD)	Sensor de velocidad de la turbina
T3	93 (LHD) 101 (RHD)	Micrófono del teléfono
T4	93 (LHD) 101 (RHD)	ECU del sistema antirrobo
T5	93 (LHD) 101 (RHD)	
T6	101 (RHD)	Luz del indicador del sistema antirrobo
T7	93 (LHD) 101 (RHD)	Amplificador de la llave de transmisor
T8	93 (LHD) 101 (RHD)	Intermitente de la señal de giro
T9	93 (LHD) 101 (RHD)	Altavoz de agudos izquierdo
T10	93 (LHD) 101 (RHD)	Altavoz de agudos derecho

Código	Vea la página	Nombre de las partes
T11	95 (LHD) 103 (RHD)	ECU del teléfono
T12	95 (LHD) 103 (RHD)	
T13	95 (LHD) 103 (RHD)	
T14	95 (LHD) 103 (RHD)	
T15	95 (LHD) 103 (RHD)	Sirena de del sistema antirrobo
U1	93 (LHD) 101 (RHD)	Interruptor de advertencia de desbloqueo
V1	91 (LHD) 99 (RHD)	VSV (ACIS N.˚ 1)
V2	91 (LHD) 99 (RHD)	VSV (ACIS N.˚ 2)
V3	91 (LHD) 99 (RHD)	VSV (ACM)
V4	91 (LHD) 99 (RHD)	VSV (EVAP)
V5	91 (LHD) 99 (RHD)	Sensor izquierdo de VVT
V6	91 (LHD) 99 (RHD)	Sensor derecho de VVT
V7	93 (LHD) 101 (RHD)	Zumbador de advertencia de VSC
V8	95 (LHD) 103 (RHD)	Luz del espejo interior izquierda
V9	95 (LHD) 103 (RHD)	Luz del espejo interior derecho
W1	91 (LHD) 99 (RHD)	Interruptor de advertencia de nivel de lavador
W2	91 (LHD) 99 (RHD)	Motor del lavador
W3	91 (LHD) 99 (RHD)	Interruptor de la temperatura del agua N.˚ 1
W4	91 (LHD) 99 (RHD)	Interruptor de la temperatura del agua N.˚ 2
W5	95 (LHD) 103 (RHD)	Receptor del control de la puerta inalámbrico
Y1	95 (LHD) 103 (RHD)	Sensor relación de desvío

L STECKERINFORMATION

Code	siehe Seite	Teile–Benennung
A1	90 (LHD) 98 (RHD)	A/C–Außentemperatursensor
A2	90 (LHD) 98 (RHD)	A/C–Kondensatorlüftermotor
A3	90 (LHD) 98 (RHD)	A/C–Magnetkupplung und Blockiersensor
A4	90 (LHD) 98 (RHD)	A/C–Dreifachdruckschalter (A/C–Doppel– und Einfachdruckschalter)
A5	90 (LHD) 98 (RHD)	ABS–, BA–, TRC– und VSC–Stellglied
A6	90 (LHD) 98 (RHD)	
A7	90 (LHD) 98 (RHD)	
A8	90 (LHD) 98 (RHD)	ABS–Raddrehzahlsensor, vorne, links
A9	90 (LHD) 98 (RHD)	ABS–Raddrehzahlsensor, vorne, rechts
A10	90 (LHD) 98 (RHD)	Luftmengenmesser
A11	90 (LHD) 98 (RHD)	Luft/Kraftstoff–Verhältnisregelungssensor (Zylinderreihe 1, Sensor 1)
A12	90 (LHD) 98 (RHD)	Luft/Kraftstoff–Verhältnisregelungssensor (Zylinderreihe 2, Sensor 1)
A13	90 (LHD) 98 (RHD)	Airbagsensor, vorn, links
A14	90 (LHD) 98 (RHD)	Airbagsensor, vorn, rechts
A15	90 (LHD) 98 (RHD)	Generator
A16	90 (LHD) 98 (RHD)	
A17	92 (LHD) 100 (RHD)	A/C–Verdampfertemperatursensor
A18	92 (LHD) 100 (RHD)	A/C–Innentemperatursensor
A19	92 (LHD) 100 (RHD)	A/C–Sonnensensor
A20	92 (LHD) 100 (RHD)	ABS–, BA–, TRC– und VSC–ECU
A21	92 (LHD) 100 (RHD)	
A22	92 (LHD) 100 (RHD)	
A23	92 (LHD) 100 (RHD)	

Code	siehe Seite	Teile–Benennung
A24	92 (LHD) 100 (RHD)	Luftzufuhrservomotor
A25	92 (LHD) 100 (RHD)	Luftmischstellmotor
A26	92 (LHD) 100 (RHD)	Belüftungssteuerungsservomotor
A27	92 (LHD) 100 (RHD)	Airbagsensor
A28	92 (LHD) 100 (RHD)	
A29	92 (LHD) 100 (RHD)	
A30	92 (LHD) 100 (RHD)	Airbag–Zündladung (Beifahrerairbag)
A31	92 (LHD) 100 (RHD)	Airbag–Zündladung (Lenkradpolster)
A32	92 (LHD) 100 (RHD)	Aschenbecherbeleuchtung
A33	92 (LHD) 100 (RHD)	Sensor für automatische Lichtregelung
A34	94 (LHD) 102 (RHD)	ABS–Raddrehzahlsensor, hinten, links
A35	94 (LHD) 102 (RHD)	ABS–Raddrehzahlsensor, hinten, rechts
A36	94 (LHD) 102 (RHD)	Antennenmotor und Relais
B1	90 (LHD) 98 (RHD)	Bremsflüssigkeitswarnschalter
B2	92 (LHD) 100 (RHD)	Gebläsemotor
B3	92 (LHD) 100 (RHD)	Gebläsemotorsteuerrelais
B4	92 (LHD) 100 (RHD)	
B5	92 (LHD) 100 (RHD)	Karosserie–ECU
B6	92 (LHD) 100 (RHD)	
B7	92 (LHD) 100 (RHD)	
B8	92 (LHD) 100 (RHD)	
B9	94 (LHD) 102 (RHD)	Heckklappenleuchtenschalter
B10	94 (LHD) 102 (RHD)	Heckklappenverriegelungsschalter

Code	Siehe Seite	Teile–Benennung
B11	94 (LHD) 102 (RHD)	Heckklappenverriegelungsmotor und Heckklappenentriegelungsschalter
B12	96 (LHD) 104 (RHD)	Gurtschloßschalter, links
B13	96 (LHD) 104 (RHD)	Gurtschloßschalter, rechts
C1	90 (LHD) 98 (RHD)	Nockenwellenzündzeitpunkt–Ölsteuerventil, links
C2	90 (LHD) 98 (RHD)	Nockenwellenzündzeitpunkt–Ölsteuerventil, rechts
C3	90 (LHD) 98 (RHD)	Sensor zur Zählergetriebegeschwindigkeit
C4	90 (LHD) 98 (RHD)	Kurbelwellenpositionssensor
C5	90 (LHD) 98 (RHD)	Geschwindigkeitskonstanthalter–Stellglied
C6	92 (LHD) 100 (RHD)	automatischer CD–Wechsler
C7	92 (LHD) 100 (RHD)	Fahrzeugtelefon (Hörer)
C8	92 (LHD) 100 (RHD)	Zigarettenanzünder
C9	92 (LHD) 100 (RHD)	Zigarettenanzünderbeleuchtung
C10	92 (LHD) 100 (RHD)	Kombiinstrument–ECU
C11	92 (LHD) 100 (RHD)	
C12	92 (LHD) 100 (RHD)	
C13	92 (LHD) 100 (RHD)	Kombischalter
C14	92 (LHD) 100 (RHD)	
C15	92 (LHD) 100 (RHD)	
C16	92 (LHD) 100 (RHD)	Geschwindigkeitskonstanthalter–ECU
D1	92 (LHD) 100 (RHD)	Verzögerungssensor
D2	92 (LHD) 100 (RHD)	Diode (A/C)
D3	92 (LHD) 100 (RHD)	DLC3
D4	94 (LHD) 102 (RHD)	Diode (hintere Innenleuchte)

Code	siehe Seite	Teile–Benennung
D5	94 (LHD) 102 (RHD)	Türleuchte, vorne, links
D6	94 (LHD) 102 (RHD)	Türleuchte, vorne, rechts
D7	94 (LHD) 102 (RHD)	Türverriegelungsmotor und –Schalter, vorn links
D8	94 (LHD) 102 (RHD)	Türverriegelungsmotor und –Schalter, vorn rechts
D9	94 (LHD) 102 (RHD)	Türverriegelungsmotor und –schalter, hinten, links
D10	94 (LHD) 102 (RHD)	Türverriegelungsmotor und –schalter, hinten, rechts
D11	94 (LHD) 102 (RHD)	Türsteuerrelais zur Doppelverriegelung
D12	94 (LHD) 102 (RHD)	Fahrertür–ECU
E1	90 (LHD) 98 (RHD)	ECT–Magnet
E2	90 (LHD) 98 (RHD)	EFI–Kühlmitteltemperatursensor
E3	90 (LHD) 98 (RHD)	Motorraumleuchtenschalter
E4	90 (LHD) 98 (RHD)	Motorölstandsensor
E5	92 (LHD) 100 (RHD)	ECT–Schaltbetriebsartwahlschalter
E6	92 (LHD) 100 (RHD)	Motor– und ECT–ECU
E7	92 (LHD) 100 (RHD)	
E8	92 (LHD) 100 (RHD)	
E9	92 (LHD) 100 (RHD)	
E10	92 (LHD) 100 (RHD)	
F1	90 (LHD) 98 (RHD)	vordere Begrenzungsleuchte, links
F2	90 (LHD) 98 (RHD)	vordere Begrenzungsleuchte, rechts
F3	90 (LHD) 98 (RHD)	Nebelscheinwerfer, links
F4	90 (LHD) 98 (RHD)	Nebelscheinwerfer, rechts
F5	90 (LHD) 98 (RHD)	seitliche Blinkleuchte, links

L STECKERINFORMATION

Code	siehe Seite	Teile–Benennung
F6	90 (LHD) 98 (RHD)	seitliche Blinkleuchte, rechts
F7	90 (LHD) 98 (RHD)	vordere Blinkleuchte, links
F8	90 (LHD) 98 (RHD)	vordere Blinkleuchte, rechts
F9	90 (LHD) 98 (RHD)	Windschutzscheibendefroster
F10	90 (LHD) 98 (RHD)	Windschutzscheibenwischermotor
F11	90 (LHD) 98 (RHD)	Schmelzsicherungskasten
F12	93 (LHD) 101 (RHD)	Beifahrersitz– Sicherheitsgurtwarnungsleuchte
F13	93 (LHD) 101 (RHD)	Vordere Strombuchse
F14	94 (LHD) 102 (RHD)	Vordertürlautsprecher, links
F15	94 (LHD) 102 (RHD)	Vordertürlautsprecher, rechts
F16	94 (LHD) 102 (RHD)	vordere Innenleuchte
F17	94 (LHD) 102 (RHD)	Beifahrertür–ECU
F18	94 (LHD) 102 (RHD)	Haupt–Kraftstoffpumpe und –Standgeber
F19	94 (LHD) 102 (RHD)	Kraftstoffstandgeber (Nebentank)
G1	93 (LHD) 101 (RHD)	Handschuhfachleuchte
H1	90 (LHD) 98 (RHD)	Leuchtweitenstellglied, links
H2	90 (LHD) 98 (RHD)	Leuchtweitenstellglied, rechts
H3	90 (LHD) 98 (RHD)	Scheinwerfer, links (Fernlicht)
H4	90 (LHD) 98 (RHD)	Scheinwerfer, links (Abblendlicht)
H5	90 (LHD) 98 (RHD)	Scheinwerfer, rechts (Fernlicht)
H6	90 (LHD) 98 (RHD)	Scheinwerfer, rechts (Abblendlicht)
H7	90 (LHD) 98 (RHD)	Hupe, links
H8	90 (LHD) 98 (RHD)	Hupe, rechts

Code	siehe Seite	Teile–Benennung
H9	93 (LHD) 101 (RHD)	Warnblinkschalter
H10	93 (LHD) 101 (RHD)	Leuchtweitenstellschalter
H11	93 (LHD)	Heizungsrelais
H12	94 (LHD) 102 (RHD)	beheizte Lambdasonde (Zylinderreihe 1, Sensor 2)
H13	94 (LHD) 102 (RHD)	Zusatzbremsleuchte
I1	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.1
I2	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.2
I3	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.3
I4	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.4
I5	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.5
I6	91 (LHD) 99 (RHD)	Zündspule und Schaltgerät Nr.6
I7	91 (LHD) 99 (RHD)	Einspritzventil Nr.1
I8	91 (LHD) 99 (RHD)	Einspritzventil Nr.2
I9	91 (LHD) 99 (RHD)	Einspritzventil Nr.3
I10	91 (LHD) 99 (RHD)	Einspritzventil Nr.4
I11	91 (LHD) 99 (RHD)	Einspritzventil Nr.5
I12	91 (LHD) 99 (RHD)	Einspritzventil Nr.6
I13	91 (LHD) 99 (RHD)	ISC–Ventil
I14	93 (LHD) 101 (RHD)	Zündschloßleuchte
I15	93 (LHD) 101 (RHD)	Zündschalter
I16	101 (RHD)	Armaturenbrett zur Steuerung
I17	93 (LHD) 101 (RHD)	
I18	94 (LHD) 102 (RHD)	Innenrückspiegel

Code	Siehe Seite	Teile–Benennung
J1	91 (LHD)	Kabelstecker
	99 (RHD)	
J2	91 (LHD)	
	99 (RHD)	
J3	93 (LHD)	
	101 (RHD)	
J4	93 (LHD)	
	101 (RHD)	
J5	93 (LHD)	
	101 (RHD)	
J7	93 (LHD)	
	101 (RHD)	
J8	93 (LHD)	
	101 (RHD)	
J9	93 (LHD)	
	101 (RHD)	
J10	93 (LHD)	
	101 (RHD)	
J11	94 (LHD)	
	102 (RHD)	
J12	94 (LHD)	
	102 (RHD)	
J13	94 (LHD)	
	102 (RHD)	
J14	94 (LHD)	
	102 (RHD)	
J15	94 (LHD)	
	102 (RHD)	
J17	96 (LHD)	
	104 (RHD)	
J18	96 (LHD)	
	104 (RHD)	
J19	101 (RHD)	
J20		
K1	91 (LHD)	Klopfsensor 1
	99 (RHD)	
K2	91 (LHD)	Klopfsensor 2
	99 (RHD)	
K3	93 (LHD)	Schlüsselverriegelungssolenoid
	101 (RHD)	
K4	93 (LHD)	Kickdownschalter
L1	94 (LHD)	Kennzeichenleuchte
	102 (RHD)	
L2	94 (LHD)	Leuchtenausfallsensor
	102 (RHD)	
M1	91 (LHD)	Hauptzylinder–Drucksensor
	99 (RHD)	

Code	siehe Seite	Teile–Benennung
M2	101 (RHD)	Mehrfachanzeige
M3	93 (LHD)	
	101 (RHD)	
M4	93 (LHD)	
	101 (RHD)	
M5	93 (LHD)	
	101 (RHD)	
M6	94 (LHD)	Monddachsteuer–ECU
	102 (RHD)	
M7	94 (LHD)	Monddachschalter
	102 (RHD)	
N1	91 (LHD)	Neutralstartschalter, A/T–Fahrstufenanzeige und Rückfahrscheinwerferschalter
	99 (RHD)	
N2	91 (LHD)	Störschutzfilter (Zündsystem)
	99 (RHD)	
N3	94 (LHD)	Navigations–ECU
	102 (RHD)	
N4	94 (LHD)	
	102 (RHD)	
N5	94 (LHD)	Störschutzfilter (DEF)
	102 (RHD)	
O1	91 (LHD)	Öldruckschalter
	99 (RHD)	
O2	93 (LHD)	O/D–Hauptschalter
	101 (RHD)	
P1	91 (LHD)	Servolenkungsöldruckschalter
	99 (RHD)	
P2	93 (LHD)	Relais
P3	93 (LHD)	Handbremsschalter
	101 (RHD)	
P4	95 (LHD)	Leseleuchte
	103 (RHD)	
P5	95 (LHD)	Fensterheberschalter, hinten, links
	103 (RHD)	
P6	95 (LHD)	Fensterheberschalter, hinten, rechts
	103 (RHD)	
P7	95 (LHD)	Fensterhebermotor, vorne, links
	103 (RHD)	
P8	95 (LHD)	Fensterhebermotor, vorne, rechts
	103 (RHD)	
P9	95 (LHD)	Straffer, links
	103 (RHD)	
P10	95 (LHD)	Straffer, rechts
	103 (RHD)	
P11	96 (LHD)	Sitzeinstellschalter (Lendenstützesteuerung am Fahrersitz)
	104 (RHD)	

L STECKERINFORMATION

Code	siehe Seite	Teile–Benennung
P12	96 (LHD)	Sitzeinstellschalter (Fahrersitz)
	104 (RHD)	
P13	96 (LHD)	Sitzeinstellschalter (Lendenstützesteuerung am vorderen Beifahrersitz)
	104 (RHD)	
P14	96 (LHD)	Sitzeinstellschalter (Beifahrersitz)
	104 (RHD)	
P15	96 (LHD)	Sitzstellmotor (Höheneinstellung, vorne, Fahrersitz)
	104 (RHD)	
P16	96 (LHD)	Sitzstellmotor (Kreuzstütze, Fahrersitz)
	104 (RHD)	
P17	96 (LHD)	Sitzstellmotor (Höheneinstellung, hinten, Fahrersitz)
	104 (RHD)	
P18	96 (LHD)	Sitzstellmotor (Sitzlehneneinstellung, Fahrersitz)
	104 (RHD)	
P19	96 (LHD)	Sitzstellmotor (Längsverstellung, Fahrersitz)
	104 (RHD)	
P20	96 (LHD)	Sitzstellmotor (Höheneinstellung, vorne, Beifahrersitz)
	104 (RHD)	
P21	96 (LHD)	Sitzstellmotor (Kreuzstütze, Beifahrersitz)
	104 (RHD)	
P22	96 (LHD)	Sitzstellmotor (Höheneinstellung, hinten, vorderer Beifahrersitz)
	104 (RHD)	
P23	96 (LHD)	Sitzstellmotor (Sitzlehneneinstellung, Beifahrersitz)
	104 (RHD)	
P24	96 (LHD)	Sitzstellmotor (Längsverstellung, Beifahrersitz)
	104 (RHD)	
R1	91 (LHD)	Lüftermotor
	99 (RHD)	
R2	93 (LHD)	Radarsensor
	101 (RHD)	
R3	101 (RHD)	Radio und Cassettenspieler
R4		
R5		
R6	93 (LHD)	
	101 (RHD)	
R7	93 (LHD)	
	101 (RHD)	
R8	93 (LHD)	Außenspiegelschalter
	101 (RHD)	
R9	93 (LHD)	Widerstand
R10	95 (LHD)	hintere Kombileuchte, links
	103 (RHD)	
R11	95 (LHD)	
	103 (RHD)	

Code	siehe Seite	Teile–Benennung
R12	95 (LHD)	hintere Kombileuchte, rechts
	103 (RHD)	
R13	95 (LHD)	
	103 (RHD)	
R14	95 (LHD)	Hintertür–ECU, links
	103 (RHD)	
R15	95 (LHD)	
	103 (RHD)	
R16	95 (LHD)	Hintertür–ECU, rechts
	103 (RHD)	
R17	95 (LHD)	
	103 (RHD)	
R18	95 (LHD)	Hintertürlautsprecher, links
	103 (RHD)	
R19	95 (LHD)	Hintertürlautsprecher, rechts
	103 (RHD)	
R20	95 (LHD)	hintere Innenleuchte
	103 (RHD)	
R21	95 (LHD)	Hintere Strombuchse
	103 (RHD)	
R22	95 (LHD)	Heckscheibenheizung
	103 (RHD)	
R23	95 (LHD)	
	103 (RHD)	
R24	95 (LHD)	Heckscheibenwischermotor
	103 (RHD)	
R25	95 (LHD)	elektrisch einstellbarer Außenspiegel, links
	103 (RHD)	
R26	95 (LHD)	elektrisch einstellbarer Außenspiegel, rechts
	103 (RHD)	
S1	91 (LHD)	Anlasser
	99 (RHD)	
S2	91 (LHD)	
	99 (RHD)	
S3	93 (LHD)	Sitzheizungsrelais
S4	93 (LHD)	Sitzheizungsschalter (Fahrersitz)
	101 (RHD)	
S5	93 (LHD)	Sitzheizungsschalter (Beifahrersitz)
	101 (RHD)	
S6	93 (LHD)	Schaltsperr–ECU
	101 (RHD)	

Code	Siehe Seite	Teile–Benennung
S7	93 (LHD)	Kurzschlußstecker
	101 (RHD)	
S8	93 (LHD)	
	101 (RHD)	
S9	93 (LHD)	Sensor des Lenkwellenwinkels
	101 (RHD)	
S10	93 (LHD)	Bremsleuchtenschalter
	101 (RHD)	
S11	95 (LHD)	Seitlicher Airbagsensor, links
	103 (RHD)	
S12	95 (LHD)	Seitlicher Airbagsensor, rechts
	103 (RHD)	
S13	95 (LHD)	Seitliche Airbag–Zündladung, links
	103 (RHD)	
S14	95 (LHD)	Seitliche Airbag–Zündladung, rechts
	103 (RHD)	
S15	95 (LHD)	Stereoverstärker
	103 (RHD)	
S16	95 (LHD)	
	103 (RHD)	
S17	95 (LHD)	
	103 (RHD)	
S18	96 (LHD)	Sicherheitsgurtwarnungs–Insassenabtastsensor
	104 (RHD)	
S19	96 (LHD)	Sitzheizung (Fahrersitz)
	104 (RHD)	
S20	96 (LHD)	Sitzheizung (Beifahrersitz)
	104 (RHD)	
T1	91 (LHD)	Drosselklappenpositionssensor
	99 (RHD)	
T2	91 (LHD)	Turbinegeschwindigkeitssensor
	99 (RHD)	
T3	93 (LHD)	Telefonmikrofon
	101 (RHD)	
T4	93 (LHD)	Diebstahlschutz–ECU
	101 (RHD)	
T5	93 (LHD)	
	101 (RHD)	
T6	101 (RHD)	Diebstahlschutzanzeigeleuchte
T7	93 (LHD)	Transpondertastenverstärker
	101 (RHD)	
T8	93 (LHD)	Blinkgeber
	101 (RHD)	
T9	93 (LHD)	Hochton, links
	101 (RHD)	

Code	siehe Seite	Teile–Benennung
T10	93 (LHD)	Hochton, rechts
	101 (RHD)	
T11	95 (LHD)	Telefon–ECU
	103 (RHD)	
T12	95 (LHD)	
	103 (RHD)	
T13	95 (LHD)	
	103 (RHD)	
T14	95 (LHD)	
	103 (RHD)	
T15	95 (LHD)	Diebstahlschutzsirene
	103 (RHD)	
U1	93 (LHD)	Entriegelungswarnschalter
	101 (RHD)	
V1	91 (LHD)	VSV (ACIS Nr.1)
	99 (RHD)	
V2	91 (LHD)	VSV (ACIS Nr.2)
	99 (RHD)	
V3	91 (LHD)	VSV (ACM)
	99 (RHD)	
V4	91 (LHD)	VSV (EVAP)
	99 (RHD)	
V5	91 (LHD)	VVT–Sensor, links
	99 (RHD)	
V6	91 (LHD)	VVT–Sensor, rechts
	99 (RHD)	
V7	93 (LHD)	VSC–Warnsignal
	101 (RHD)	
V8	95 (LHD)	Make–Up–Leuchte, links
	103 (RHD)	
V9	95 (LHD)	Make–Up–Leuchte, rechts
	103 (RHD)	
W1	91 (LHD)	Waschflüssigkeitsstandwarnschalter
	99 (RHD)	
W2	91 (LHD)	Waschermotor
	99 (RHD)	
W3	91 (LHD)	Kühlmitteltemperaturschalter Nr.1
	99 (RHD)	
W4	91 (LHD)	Kühlmitteltemperaturschalter Nr.2
	99 (RHD)	
W5	95 (LHD)	Fernbedienter Türverriegelungsempfänger
	103 (RHD)	
Y1	95 (LHD)	Giergeschwindigkeitssensor
	103 (RHD)	

M 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 Magnetic Clutch and Lock Sensor	90980–11016
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980–10943
A 5	ABS & BA & TRC & VSC Actuator	90980–11698
A 6	ABS & BA & TRC & VSC Actuator	90980–11132
A 7	ABS & BA & TRC & VSC Actuator	90980–11413
A 8	ABS Speed Sensor Front LH	90980–11075
A 9	ABS Speed Sensor Front RH	
A10	Air Flow Meter	90980–11317
A11	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A12	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	
A13	Airbag Sensor Front LH	90980–11856
A14	Airbag Sensor Front RH	
A15	Alternator	90980–09365
A16	Alternator	90980–11349
A17	A/C Evaporator Temp. Sensor	90980–10825
A18	A/C Room Temp. Sensor	90980–11918
A19	A/C Solar Sensor	
A20	ABS & BA & TRC & VSC ECU	90980–11638
A21	ABS & BA & TRC & VSC ECU	90980–11421
A22	ABS & BA & TRC & VSC ECU	90980–11476
A23	ABS & BA & TRC & VSC ECU	90980–11631
A24	Air Inlet Control Servo Motor	90980–11165
A25	Air Mix Control Servo Motor	
A26	Air Vent Mode Control Servo Motor	
A27	Airbag Sensor Assembly	90980–11869
A28	Airbag Sensor Assembly	90980–11872
A29	Airbag Sensor Assembly	90980–11867
A30	Airbag Squib (Front Passenger's Airbag Assembly)	90980–11884
A31	Airbag Squib (Steering Wheel Pad)	90980–10850
A32	Ashtray Illumination	90980–11156
A33	Automatic Light Control Sensor	90980–11107
A34	ABS Speed Sensor Rear LH	90980–11060
A35	ABS Speed Sensor Rear RH	
A36	Auto Antenna Motor and Relay	90980–11697
B 1	Brake Fluid Level Warning SW	90980–11207
B 2	Blower Motor	90980–10385
B 3	Blower Motor Control Relay	90980–11667
B 4	Blower Motor Control Relay	90980–11579
B 5	Body ECU	90980–11954
B 6	Body ECU	90980–11955
B 7	Body ECU	90980–11956
B 8	Body ECU	90980–11957

Code	Part Name	Part Number
B 9	Back Door Courtesy SW	90980–10860
B10	Back Door Key Lock and Unlock SW	90980–11489
B11	Back Door Lock Motor and Back Door Unlock Detection SW	90980–11150
B12	Buckle SW LH	90980–11399
B13	Buckle SW RH	90980–10794
C 1	Camshaft Timing Oil Control Valve LH	90980–11162
C 2	Camshaft Timing Oil Control Valve RH	
C 3	Counter Gear Speed Sensor	90980–11156
C 4	Crankshaft Position Sensor	90980–10947
C 5	Cruise Control Actuator	90980–11150
C 6	CD Automatic Changer	90980–10803
C 7	Cellular Phone (Hand Set)	90980–11912
C 8	Cigarette Lighter	90980–10760
C 9	Cigarette Lighter Illumination	90980–11148
C10	Combination Meter ECU	90980–11915
C11	Combination Meter ECU	90980–11391
C12	Combination Meter ECU	90980–11392
C13	Combination SW	90980–11616
C14	Combination SW	90980–11594
C15	Combination SW	90980–11672
C16	Cruise Control ECU	90980–12094
D 1	Deceleration Sensor	90980–11182
D 2	Diode (A/C)	90980–10962
D 3	DLC3	90980–11978
D 4	Diode (Rear Interior Light)	90980–10962
D 5	Door Courtesy Light Front LH	90980–11148
D 6	Door Courtesy Light Front RH	
D 7	Door Lock Motor and SW Front LH	90980–11087
D 8	Door Lock Motor and SW Front RH	
D 9	Door Lock Motor and SW Rear LH	90980–11537
D10	Door Lock Motor and SW Rear RH	
D11	Double Lock Door Control Relay	90980–10803
D12	Driver Door ECU	90980–11877
E 1	ECT Solenoid	90980–11658
E 2	EFI Water Temp. Sensor	90980–10737
E 3	Engine Hood Courtesy SW	90980–11189
E 4	Engine Oil Level Sensor	90980–11235
E 5	ECT Pattern Select SW	90980–10797
E 6	Engine and ECT ECU	90980–11586
E 7	Engine and ECT ECU	90980–11476
E 8	Engine and ECT ECU	90980–11421
E 9	Engine and ECT ECU	90980–11638
E10	Engine and ECT ECU	90980–11637

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

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

Code	Part Name	Part Number
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–11019
F 8	Front Turn Signal Light RH	
F 9	Front Window Defogger	90980–11407
F10	Front Wiper Motor	90980–11599
F11	Fusible Link Block	82620–48020
F12	Front Passenger's Seat Belt Warning Light	90980–10789
F13	Front Power Outlet	90980–10760
F14	Front Door Speaker LH	90980–10935
F15	Front Door Speaker RH	
F16	Front Interior Light	
F17	Front Passenger Door ECU	90980–11877
F18	Fuel Pump and Fuel Sender (Main)	90980–11077
F19	Fuel Sender (Sub)	90980–11140
G 1	Glove Box Light	90980–11098
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight LH (High Beam)	90980–11659
H 4	Headlight LH (Low Beam)	90980–11660
H 5	Headlight RH (High Beam)	90980–11659
H 6	Headlight RH (Low Beam)	90980–11660
H 7	Horn LH	90980–10619
H 8	Horn RH	
H 9	Hazard SW	90980–10801
H10	Headlight Beam Level Control SW	90980–10797
H11	Heater Relay	82660–44010
H12	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H13	High Mounted Stop Light	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Ignition Coil and Igniter No.5	
I 6	Ignition Coil and Igniter No.6	
I 7	Injector No.1	90980–11153
I 8	Injector No.2	
I 9	Injector No.3	
I10	Injector No.4	
I11	Injector No.5	
I12	Injector No.6	

Code	Part Name	Part Number
I13	ISC Valve	90980–11145
I14	Ignition Key Cylinder Light	90980–10906
I15	Ignition SW	90980–11615
I16	Instrument Control Panel	90980–11952
I17	Instrument Control Panel	90980–11911
I18	Inner Mirror	90980–11186
J 1	Junction Connector	90980–11194
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–10976
J 7	Junction Connector	90980–11542
J 8	Junction Connector	
J 9	Junction Connector	90980–11686
J10	Junction Connector	90980–11542
J11	Junction Connector	
J12	Junction Connector	
J13	Junction Connector	
J14	Junction Connector	90980–11686
J15	Junction Connector	
J17	Junction Connector	90980–10803
J18	Junction Connector	
J19	Junction Connector	90980–11542
J20	Junction Connector	
K 1	Knock Sensor 1	90980–11166
K 2	Knock Sensor 2	
K 3	Key Interlock Solenoid	90980–10825
K 4	Kick Down SW	90980–11156
L 1	License Plate Light	90980–11300
L 2	Light Failure Sensor	90980–10803
M 1	Master Cylinder Pressure Sensor	90980–11451
M 2	Multi Display	90980–11321
M 3	Multi Display	90980–11911
M 4	Multi Display	90980–11923
M 5	Multi Display	90980–10799
M 6	Moon Roof Control ECU	90980–10997
M 7	Moon Roof Control SW	90980–10799
N 1	Neutral Start SW, A/T Indicator Light SW and Back–Up Light SW	90980–11784
N 2	Noise Filter (Ignition System)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Noise Filter (DEF)	90980–10825
O 1	Oil Pressure SW	90980–11363
O 2	O/D Main SW	90980–11493

Nota : No todos los números de las partes del conector indicados arriba están dispuestos para el suministro.

Anmerkung : Nicht alle der obenerwähnten Teile–Nummern der Stecker werden für die Lieferung etabliert.

M PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
P 1	Power Steering Oil Pressure SW	90980–11428
P 2	Panel Relay	82660–20340
P 3	Parking Brake SW	90980–10871
P 4	Personal Light	90980–10825
P 5	Power Window Control SW Rear LH	90980–10797
P 6	Power Window Control SW Rear RH	
P 7	Power Window Motor Front LH	90980–11011
P 8	Power Window Motor Front RH	
P 9	Pretensioner LH	90980–12138
P10	Pretensioner RH	
P11	Power Seat Control SW (Driver's Seat Lumbar Support Control)	90980–10601
P12	Power Seat Control SW (Driver's Seat)	90980–10997
P13	Power Seat Control SW (Front Passenger's Seat Lumbar Support Control)	90980–10601
P14	Power Seat Control SW (Front Passenger's Seat)	90980–10997
P15	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P16	Power Seat Motor (Driver's Seat Lumbar Support Control)	
P17	Power Seat Motor (Driver's Seat Rear Vertical Control)	
P18	Power Seat Motor (Driver's Seat Reclining Control)	
P19	Power Seat Motor (Driver's Seat Slide Control)	
P20	Power Seat Motor (Front Passenger's Seat Front Vertical Control)	
P21	Power Seat Motor (Front Passenger's Seat Lumbar Support Control)	
P22	Power Seat Motor (Front Passenger's Seat Rear Vertical Control)	
P23	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P24	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–11237
R 2	Radar Sensor	90980–11013
R 3	Radio and Player	90980–10996
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–11165
R 6	Radio and Player	90980–12038
R 7	Radio and Player	90980–10803
R 8	Remote Control Mirror SW	90980–11657
R 9	Rheostat	90980–11950
R10	Rear Combination Light LH	90980–11399
R11	Rear Combination Light LH	90980–10794
R12	Rear Combination Light RH	90980–10858

Code	Part Name	Part Number
R13	Rear Combination Light RH	90980–10794
R14	Rear Door LH ECU	90980–11877
R15	Rear Door LH ECU	90980–10799
R16	Rear Door RH ECU	90980–11877
R17	Rear Door RH ECU	90980–10799
R18	Rear Door Speaker LH	90980–10935
R19	Rear Door Speaker RH	
R20	Rear Interior Light	
R21	Rear Power Outlet	90980–10760
R22	Rear Window Defogger	90980–11259
R23	Rear Window Defogger	
R24	Rear Wiper Motor	90980–10795
R25	Remote Control Mirror LH	90980–10798
R26	Remote Control Mirror RH	
S 1	Starter	90980–09506
S 2	Starter	90980–11400
S 3	Seat Heater Relay	82660–20340
S 4	Seat Heater SW (Driver's Seat) [LHD]	90980–10797
	Seat Heater SW (Driver's Seat) [RHD]	90980–10996
S 5	Seat Heater SW (Front Passenger's Seat) [LHD]	
	Seat Heater SW (Front Passenger's Seat) [RHD]	90980–10797
S 6	Shift Lock ECU	90980–11319
S 7	Short Connector	90980–11889
S 8	Short Connector	90980–11890
S 9	Steering Angle Sensor	90980–11581
S10	Stop Light SW	90980–11118
S11	Side Airbag Sensor LH	90980–11857
S12	Side Airbag Sensor RH	
S13	Side Airbag Squib LH	90980–11864
S14	Side Airbag Squib RH	
S15	Stereo Component Amplifier	90980–10997
S16	Stereo Component Amplifier	90980–10996
S17	Stereo Component Amplifier	90980–11264
S18	Seat Belt Warning Occupant Detection Sensor	90980–10859
S19	Seat Heater (Driver's Seat)	90980–11298
S20	Seat Heater (Front Passenger's Seat)	
T 1	Throttle Position Sensor	90980–11261
T 2	Turbine Speed Sensor	90980–11156
T 3	Telephone Microphone	90980–11920
T 4	Theft Deterrent ECU	90980–11392
T 5	Theft Deterrent ECU	90980–11424
T 6	Theft Deterrent Indicator Light	90980–11490

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

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

Code	Part Name	Part Number
T 7	Transponder Key Amplifier	90980–10789
T 8	Turn Signal Flasher	90980–10799
T 9	Tweeter LH	90980–11013
T10	Tweeter RH	
T11	Telephone ECU	90980–11001
T12	Telephone ECU	90980–10998
T13	Telephone ECU	90980–11912
T14	Telephone ECU	90980–11910
T15	Theft Deterrent Siren	90980–11013
U 1	Unlock Warning SW	90980–10860
V 1	VSV (ACIS No.1)	90980–11149
V 2	VSV (ACIS No.2)	
V 3	VSV (ACM)	90980–11156

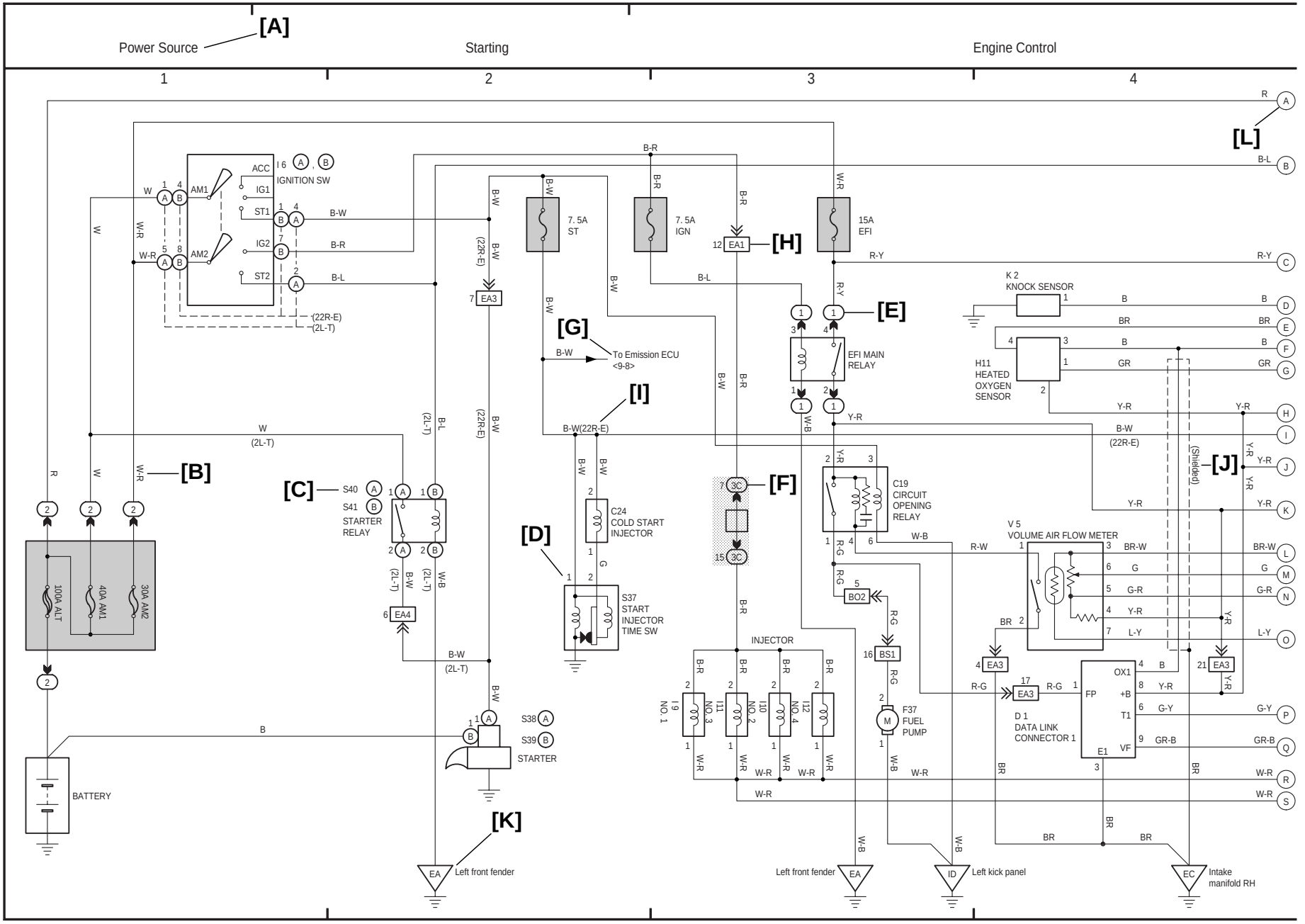
Code	Part Name	Part Number
V 4	VSV (EVAP)	90980–11156
V 5	VVT Sensor LH	90980–10947
V 6	VVT Sensor RH	
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11369
V 9	Vanity Light RH	
W 1	Washer Level Warning SW	90980–11068
W 2	Washer Motor	90980–10981
W 3	Water Temp. SW No.1	90980–11235
W 4	Water Temp. SW No.2	90980–11243
W 5	Wireless Door Control Receiver	90980–11909
Y 1	Yaw Rate Sensor	90980–11904

Nota : No todos los números de las partes del conector indicados arriba están dispuestos para el suministro.

Anmerkung : Nicht alle der obenerwähnten Teile–Nummern der Stecker werden für die Lieferung etabliert.

HOW TO READ THIS SECTION

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



[A] : System Title

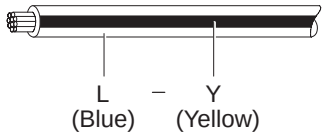
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	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.

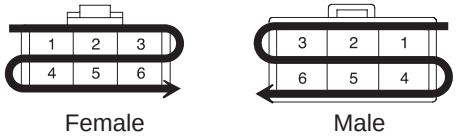
Example: L – Y



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

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

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



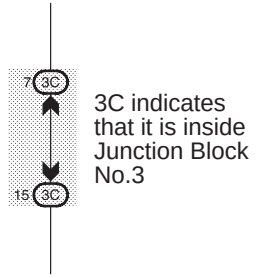
The numbering system for the overall wiring diagram is the same as above.

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

Example: (1) Indicates Relay Block No.1

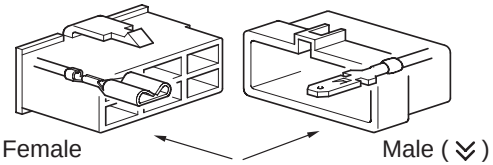
[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



[G] : Indicates related system.

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



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

[J] : Indicates a shielded cable.

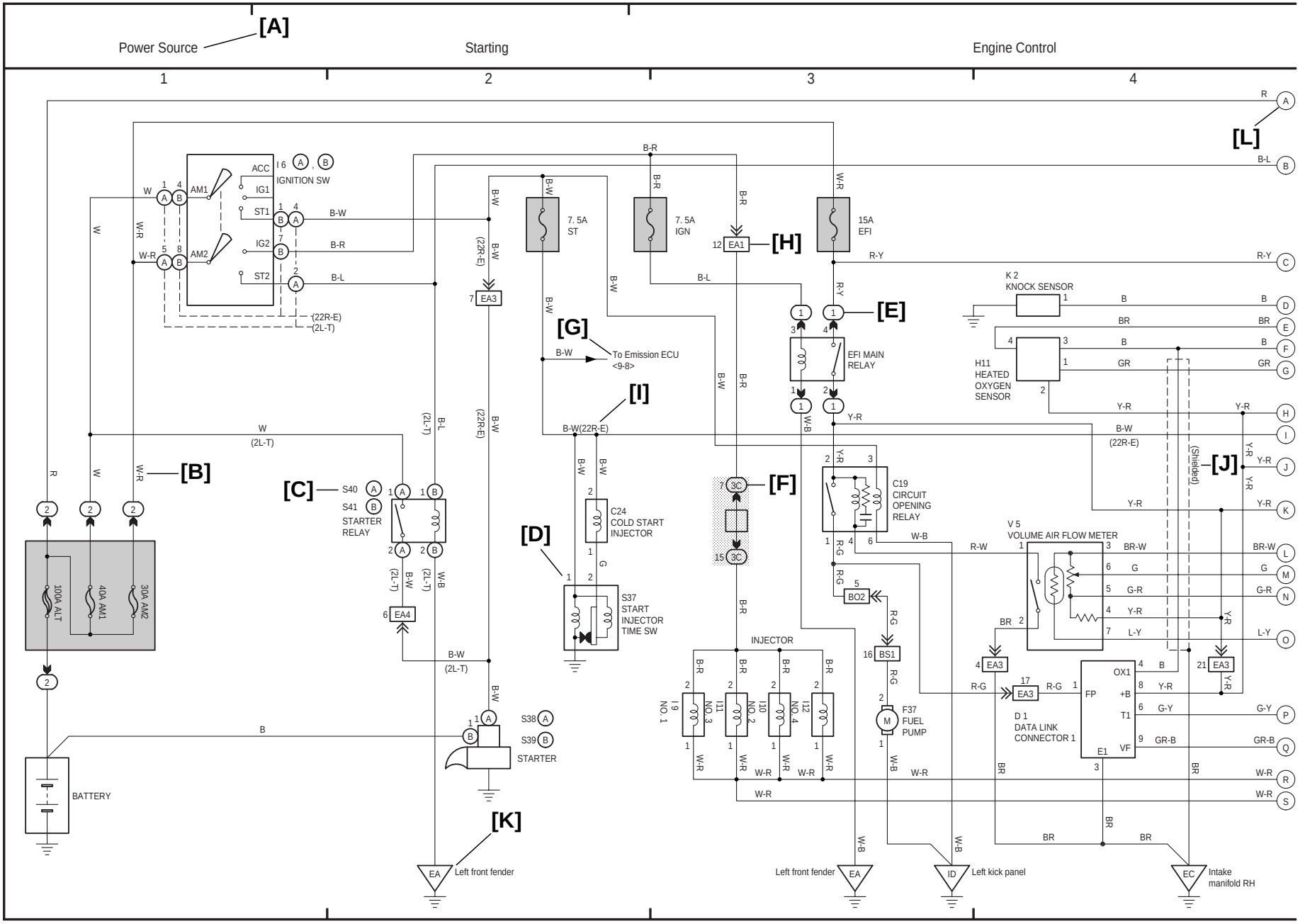


[K] : Indicates and located on ground point.

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

COMMENT LIRE CETTE SECTION

** Le système qui est ici représenté NE L'EST QU'A TITRE D'EXEMPLE. Il est différent du circuit réel représenté dans la SECTION SCHEMA DE CABLAGE.*



[A] *: Titre du système*

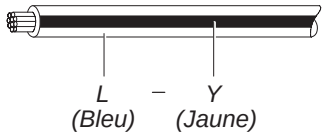
[B] *: Indique la couleur de câblage.*

Les couleurs des fils sont indiquées par un code alphabétique.

B	= *Noir*	*W*	= *Blanc*	*BR*	= *Marron*
L	= *Bleu*	*V*	= *Violet*	*SB*	= *Bleu ciel*
R	= *Rouge*	*G*	= *Vert*	*LG*	= *Vert clair*
P	= *Rose*	*Y*	= *Jaune*	*GR*	= *Gris*
O	= *Orange*				

La première lettre indique la couleur de fil de base et la deuxième lettre indique la couleur de la bande.

Exemple: L – Y



[C] *: La position des pièces est la même que celle indiquée dans le schéma de câblage et le cheminement des câbles.*

[D] *: Indique le numéro de broche du connecteur.*

Le système de numérotage est différente pour les connecteurs type mâles et femelles.

Exemple: *Numéroté en ordre de la gauche supérieure vers la droite inférieure.* *Numéroté en ordre de la droite supérieure vers la gauche inférieure.*



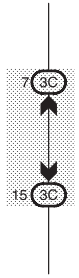
Femelle *Mâle*

[E] *: Indique un bloc de relais. Aucune hachure n'est utilisée et seulement le N°. du bloc de relais est indiqué pour le distinguer du J/B.*

Exemple: (1) indique le bloc de relais N°1

[F] *: Boîte de dérivation (le numéro dans le cercle représente le N° J/B et le code du connecteur est indiqué à côté). Les boîtes de dérivation sont hachurées pour les séparer des autres pièces.*

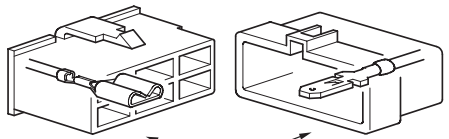
Exemple:



3C indique qu'il est à l'intérieur de la boîte de dérivation N°3

[G] *: Indique un système correspondant.*

[H] *: Indique le connecteur de faisceau de câblage et le faisceau de câblage. Le faisceau de câblage avec la borne type mâle est indiqué par des fièches (»). Les chiffres externes représentent les numéros de broches.*



Femelle *Mâle (»)*

[I] *: ( ) s'utilisent pour indiquer différents câblages et connecteurs, etc. lorsque le modèle de véhicule, le type de moteur ou les spécifications sont différentes.*

[J] *: Indique un faisceau de câblage scellé.*

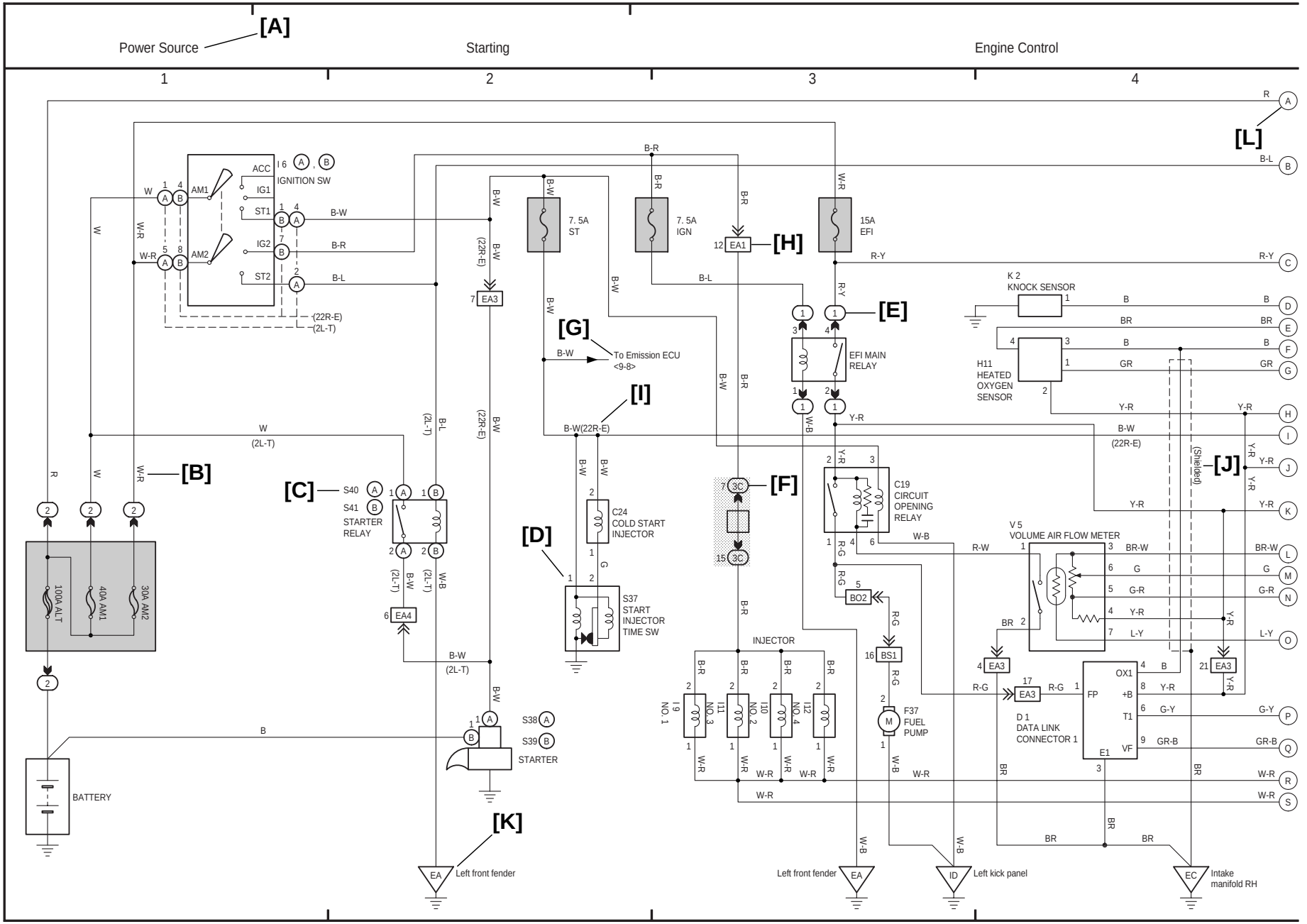


[K] *: Indique un point de mise à la terre.*

[L] *: Le même code qui est indiqué à la page suivante signifie que le faisceau de fils électriques est continu.*

COMO LEER ESTA SECCION

** El sistema aquí mostrado es SOLO UN EJEMPLO. Es distino del circuito real mostrado en la SECCION DE DIAGRAMA DEL CABLEADO.*



[A] *: Título del sistema*

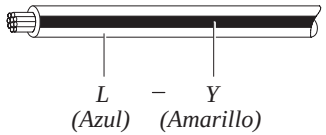
[B] *: Indica el color del cable.*

Los colores de los cables se dan según los siguientes códigos alfabéticos.

B	= *Negro*	*W*	= *Blanco*	*BR*	= *Marrón*
L	= *Azul*	*V*	= *Violeta*	*SB*	= *Azul del cielo*
R	= *Rojo*	*G*	= *Verde*	*LG*	= *Verde claro*
P	= *Rosado*	*Y*	= *Amarillo*	*GR*	= *Gris*
O	= *Anaranjado*				

La primera letra indica el color básico del cable y la segunda letra indica el color de la banda.

Ejemplo: L – Y



[C] *: La posición de las piezas es la misma que la indicada en el diagrama del cableado y en el trazado del cableado.*

[D] *: Indica el número de clavijas del conector. El sistema de numeración es diferente según se trate de un conector macho o de un conector hembra.*

Ejemplo: *Numerados de arriba a la izquierda hacia abajo a la derecha* — *Numerados de arriba a la derecha hacia abajo a la izquierda*



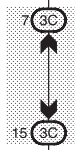
Hembra *Macho*

[E] *: Indica un bloque de relés. N.° se utiliza sombreado y se indica sólo el número del bloque de relés para distinguirlo del bloque de empalme*

Ejemplo: (1) *indica Bloque de Relés N.°1*

[F] *: Bloque de empalme. (El número dentro del círculo es el número del bloque de empalme, y el código del conector aparece junto al mismo.) Los bloques de empalme aparecen sombreados para distinguirlos fácilmente de otras piezas.*

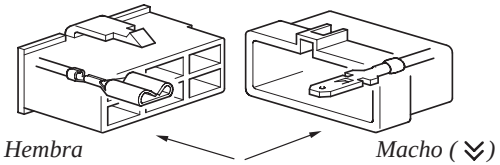
Ejemplo:



3C indica que está dentro del bloque de empalme N.°3

[G] *: Indica un sistema relacionado.*

[H] *: Indica el mazo de conductores y el conector del mazo de conductores. El mazo de conductores con el terminal macho es indicado mediante las flechas (»).*
Las cifras exteriores corresponden al número de clavijas.



Hembra *Macho (»)*

[I] *: ( ) se utiliza para indicar diferentes cableados, conectores, etc. en caso de modelo de vehículo, tipo de motor o especificaciones diferentes.*

[J] *: Indica mazo de conductores blindado.*

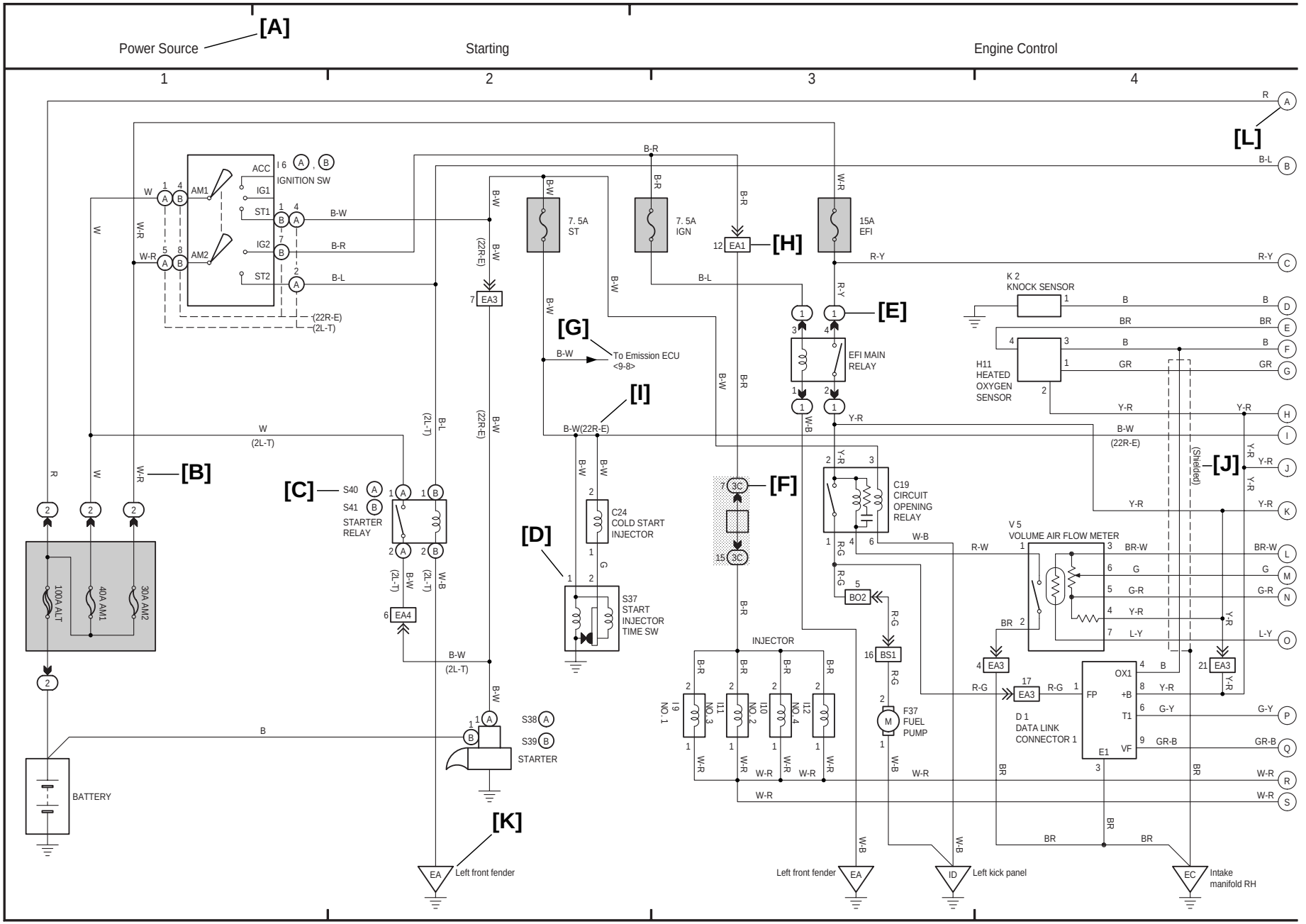


[K] *: Indica los PUNTOS de conexión a Masa.*

[L] *: Cuando se indica el mismo código en la página siguiente, significa que el mazo de cables es continuo.*

HINWESISE FÜR DIESEN ABSCHNITT

* Hier ist nur ein Beispiel aufgeführt, das sich vom Schaltschema im Kapitel "Gesamtverkabelungsplan" unterscheidet.



[A] : Systembezeichnung

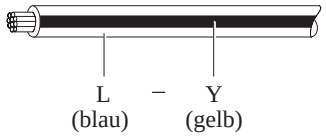
[B] : Bezeichnet die Kabelfarbe.

Die Farben werden mit Buchstabensymbolen bezeichnet.

B	= Schwarz	W	= Weiß	BR	= Braun
L	= Blau	V	= Violet	SB	= Himmelblau
R	= Rot	G	= Grün	LG	= Hellgrün
P	= Rosa	Y	= Gelb	GR	= Grau
O	= Orange				

Mit dem ersten Buchstaben wird die Kabelfarbe und mit dem zweiten Buchstaben die Farbe des Streifens bezeichnet.

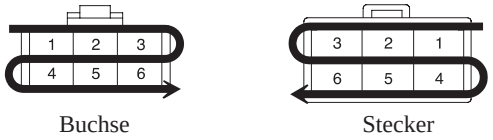
Beispiel: L – Y



[C] : Die Teileposition ist gleich wie im Schaltschema und im Verkabelungplan angegeben.

[D] : Bezeichnet die Stiftnummer eines Steckers.
Die Numerierung ist für Stecker und Buchsen verschieden.

Beispiel: Numerierung von oben links nach unten rechts. Numerierung von oben rechts nach unten links.



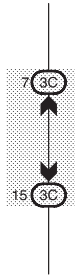
Die Nummerierung im Gesamt–Verkabelungsplan ist gleich wie oben.

[E] : Bezeichnet den Relaiskasten. Falls nur die Relaiskastennr. zur Unterscheidung von einem Anschlußkasten gezeigt wird, wind keine Schraffierung verwendet.

Beispiel: (1) Bezeichnet Relaiskasten Nr.1

[F] : Anschlußkasten. Die eingekreiste Zahl bezeichnet die Anschlußkastennummer und der Stecker wird daneben gezeigt. Die Anschlußkasten sind auf schraffiertem Untergrund gezeigt, um sie deutlich von anderen Teilen unterscheiden zu können.

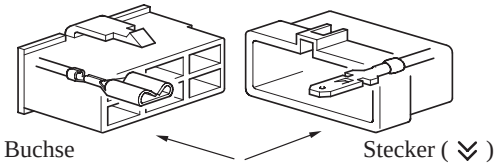
Beispiel:



3C ist im Anschlußkasten Nr.3 vorhanden.

[G] : Bezeichnet ein in Verbindung stehendes System.

[H] : Bezeichnet den Kabelbaum und den Stecker.
Die Steckerseite wird mit Pfeilen bezeichnet (»).
Mit außenstehenden Zahlen wird die Stiftnummer bezeichnet.



[I] : Eingeklammerte Kabel– und Steckerbezeichnungen etc. ( ) sind für unterschiedliche Fahrzeugmodelle, Motortypen oder andere Spezifikationen.

[J] : Bezeichnet Kabel mit Abschirmung.



[K] : Bezeichnet Massenpunkte.

[L] : Der gleiche Code auf der nächsten Seite zeigt, daß sich der Kadelbaum fortsetzt.

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∗ Commande de condamnation de porte à commande radio	
∗ Commande d'éclairage automatique	
∗ Essuie–glace et lave–glace de lunette arrière	
∗ Extinction automatique d'éclairage	
∗ Lève–glace électrique	
∗ Projecteur antibrouillard arrière	
∗ Projecteur antibrouillard avant	
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∗ Commande de condamnation de porte à commande radio	
∗ Commande d'éclairage automatique	
∗ Essuie–glace et lave–glace de lunette arrière	
∗ Extinction automatique d'éclairage	
∗ Lève–glace électrique	
∗ Projecteur antibrouillard arrière	
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∗ Système à double verrouillageage	
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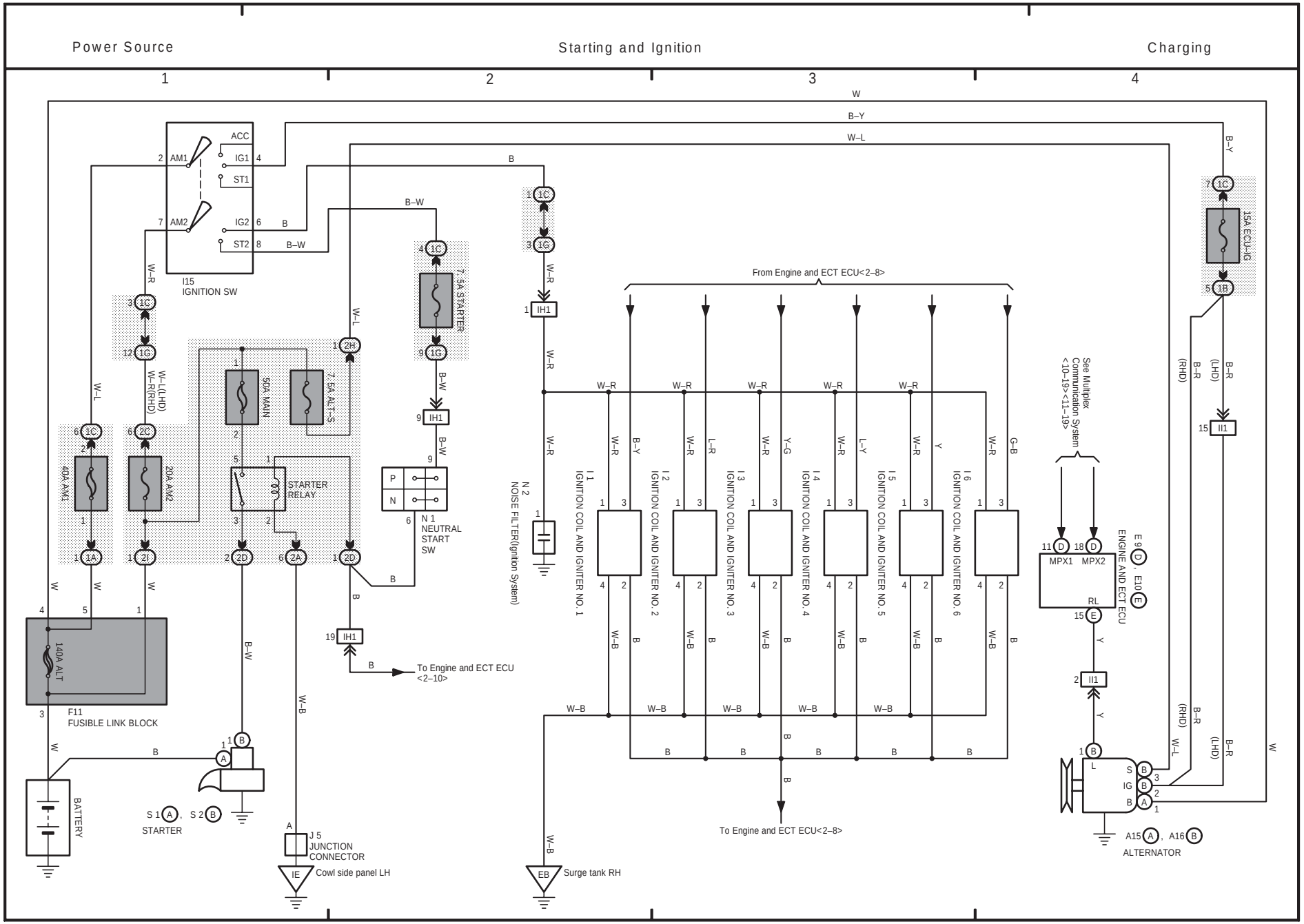
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∗ Sistema de doble cierre	
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∗ Control automático de las luces	
∗ Control de bloqueo de la puerta	
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∗ Luz antiniebla frontal	
∗ Luz antiniebla trasera	
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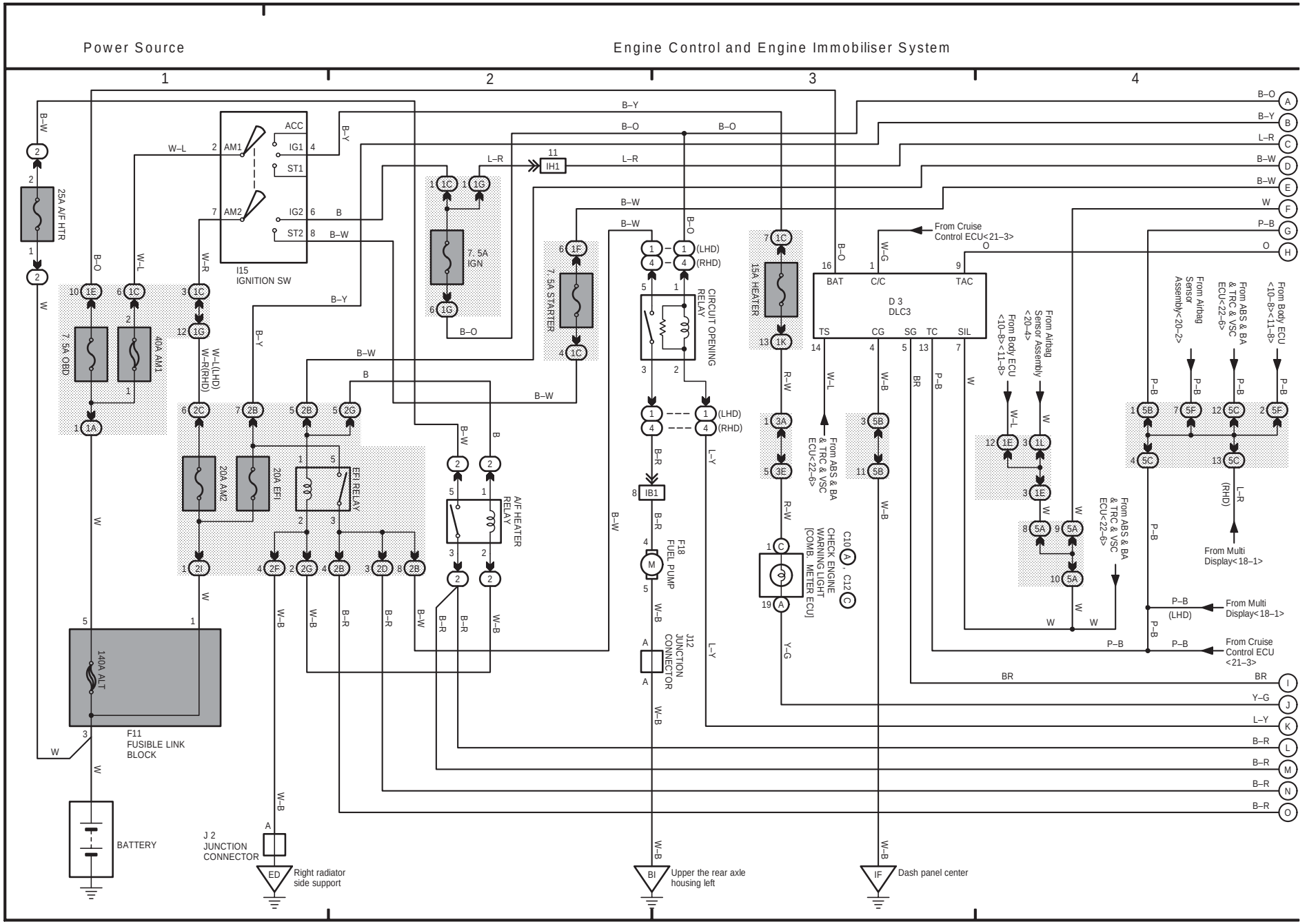
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∗ Diebstahlschutzsystem	
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∗ Heckscheibenwischer und –wascher	
∗ Nebelscheinwerfer	
∗ Nebelschlußleuchte	
∗ Scheinwerfer	
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Deusch Español

1 RX 300 ELECTRICAL WIRING DIAGRAM

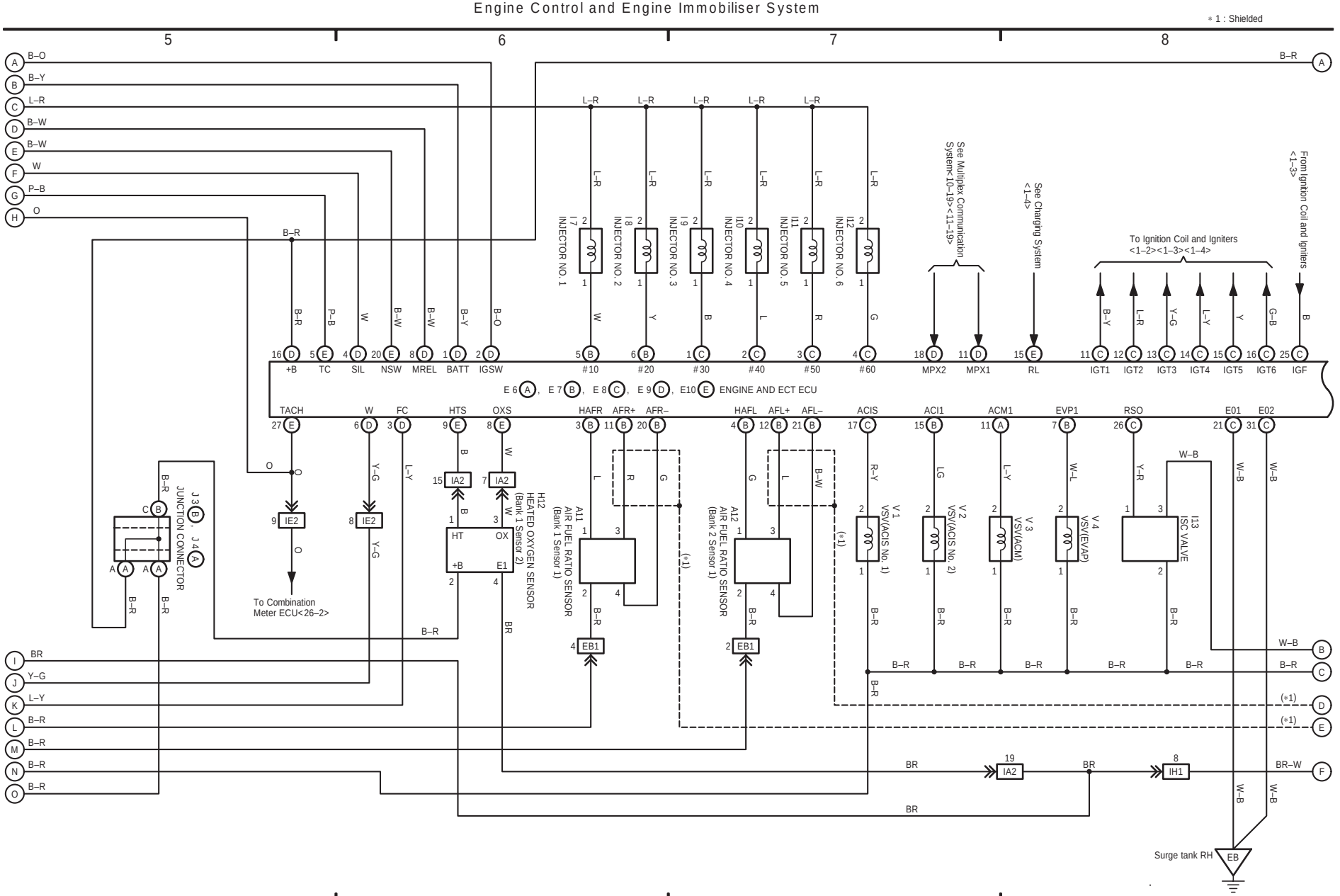


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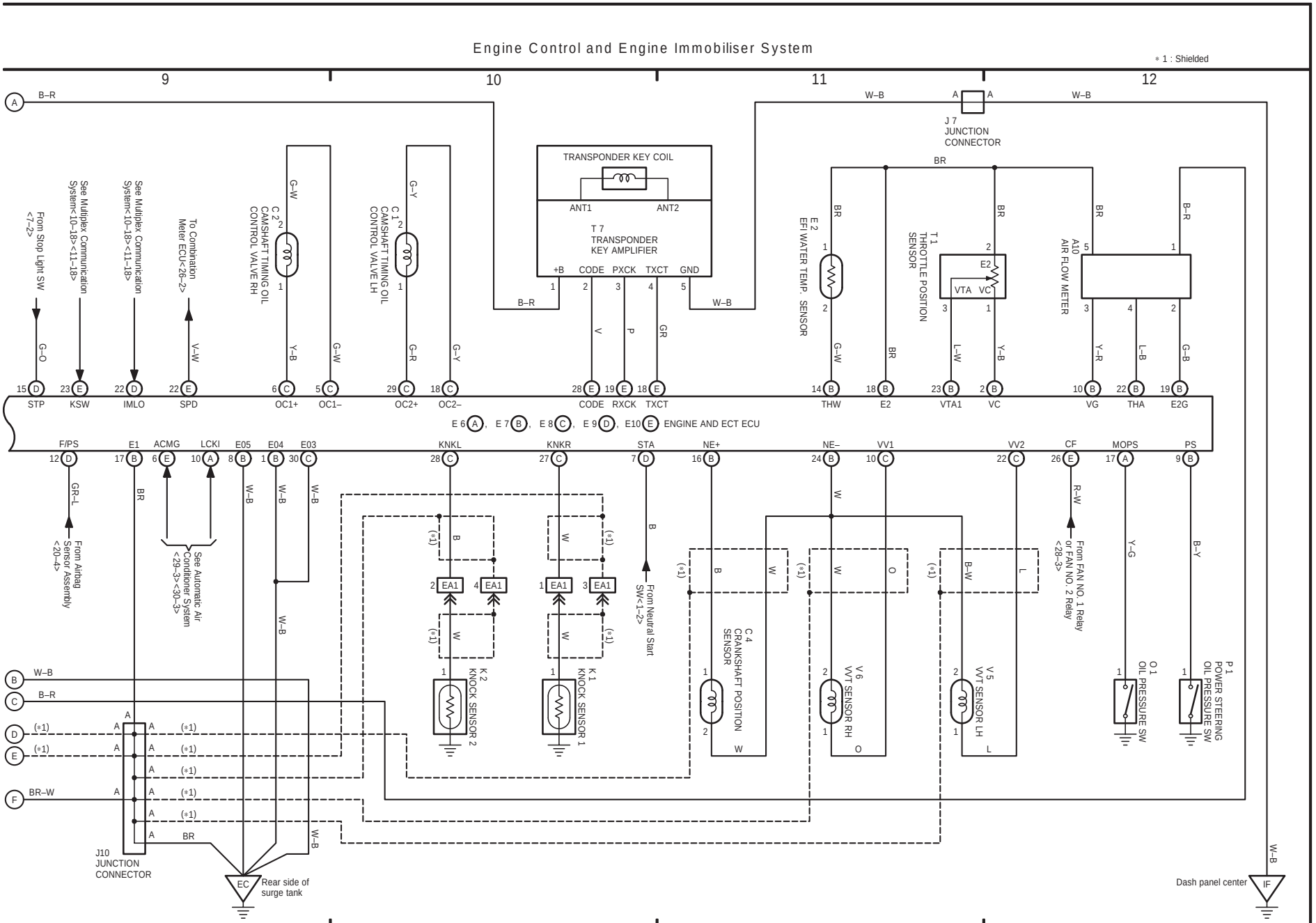


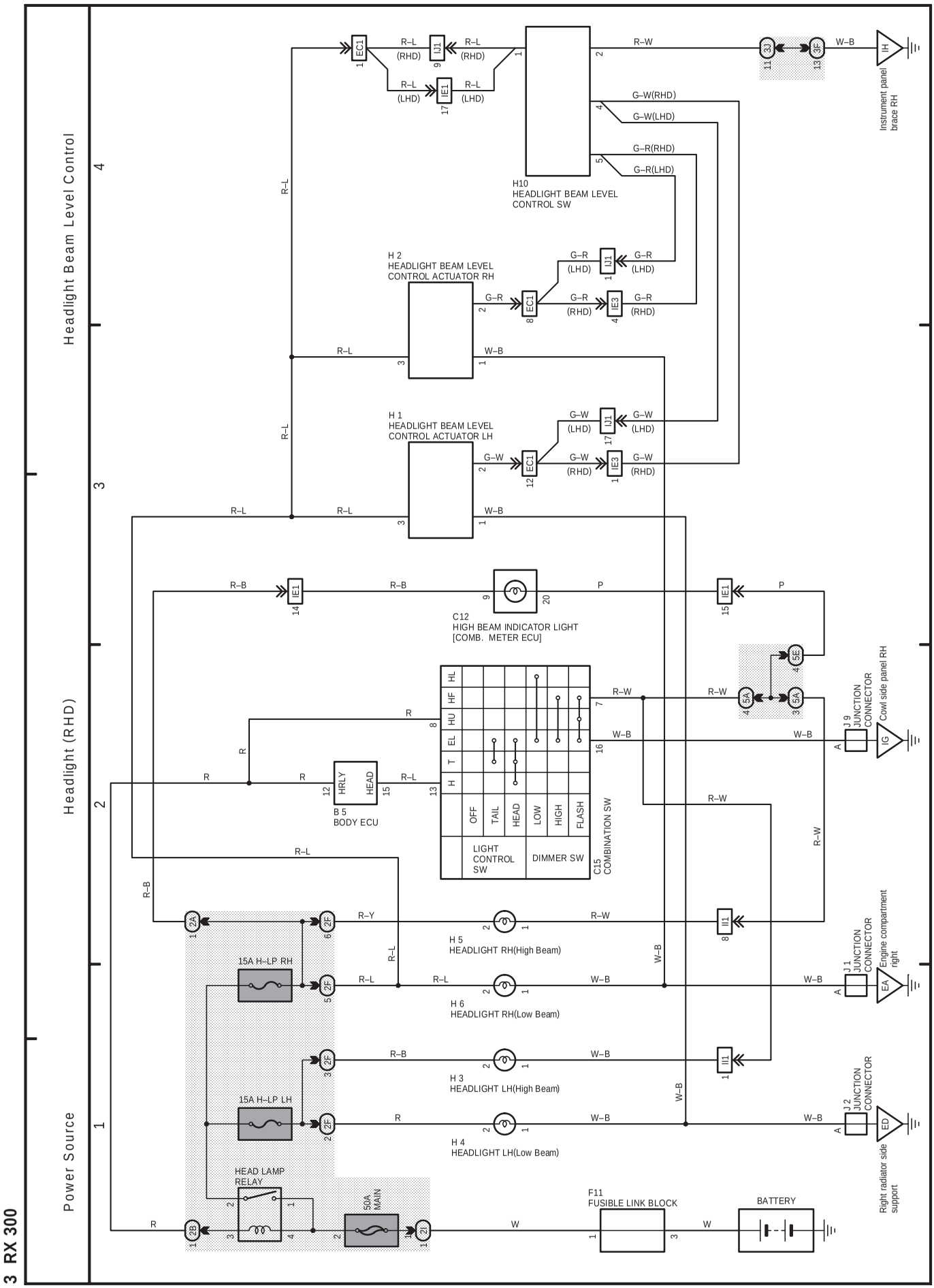
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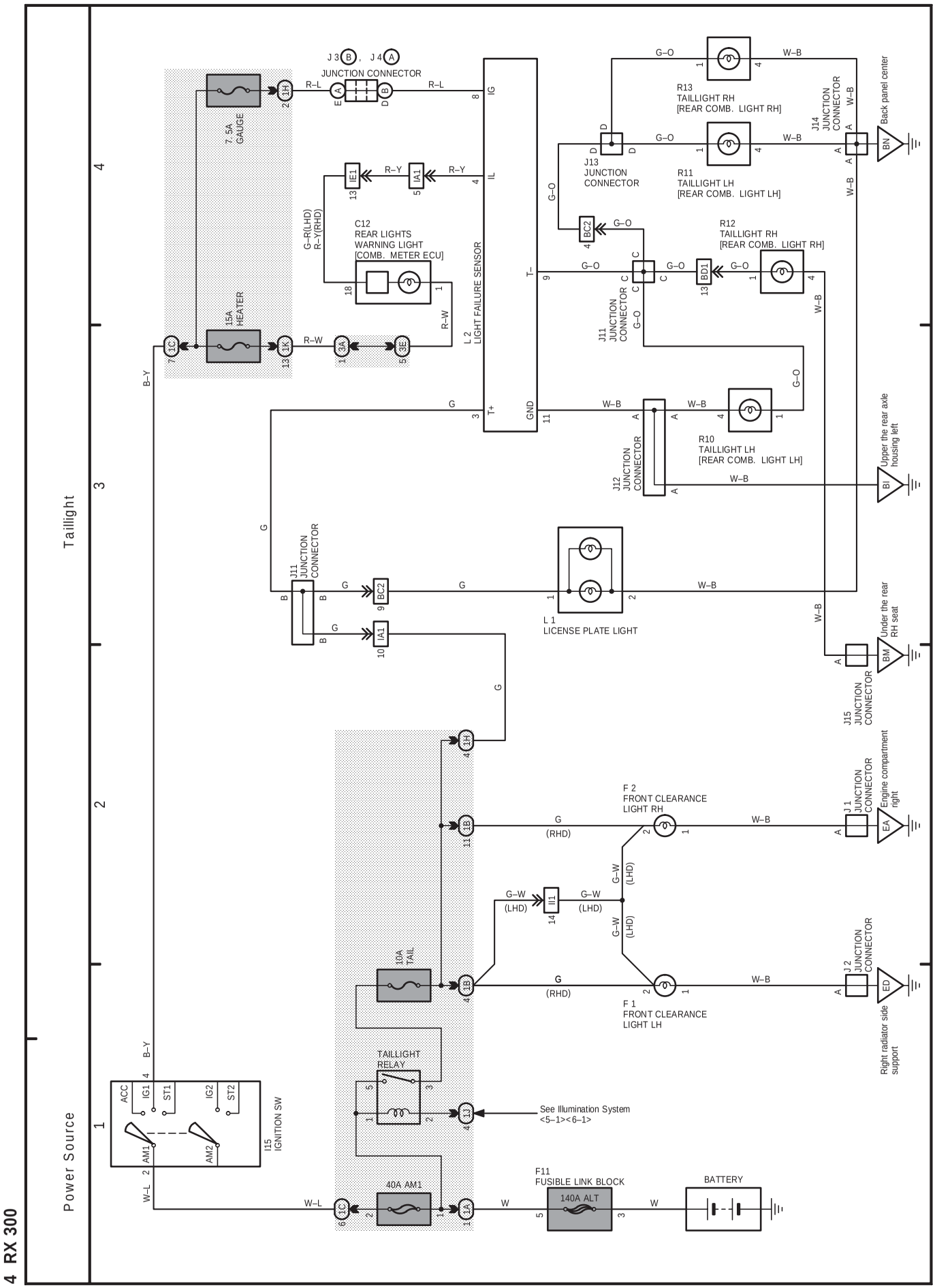
Engine Control and Engine Immobiliser System

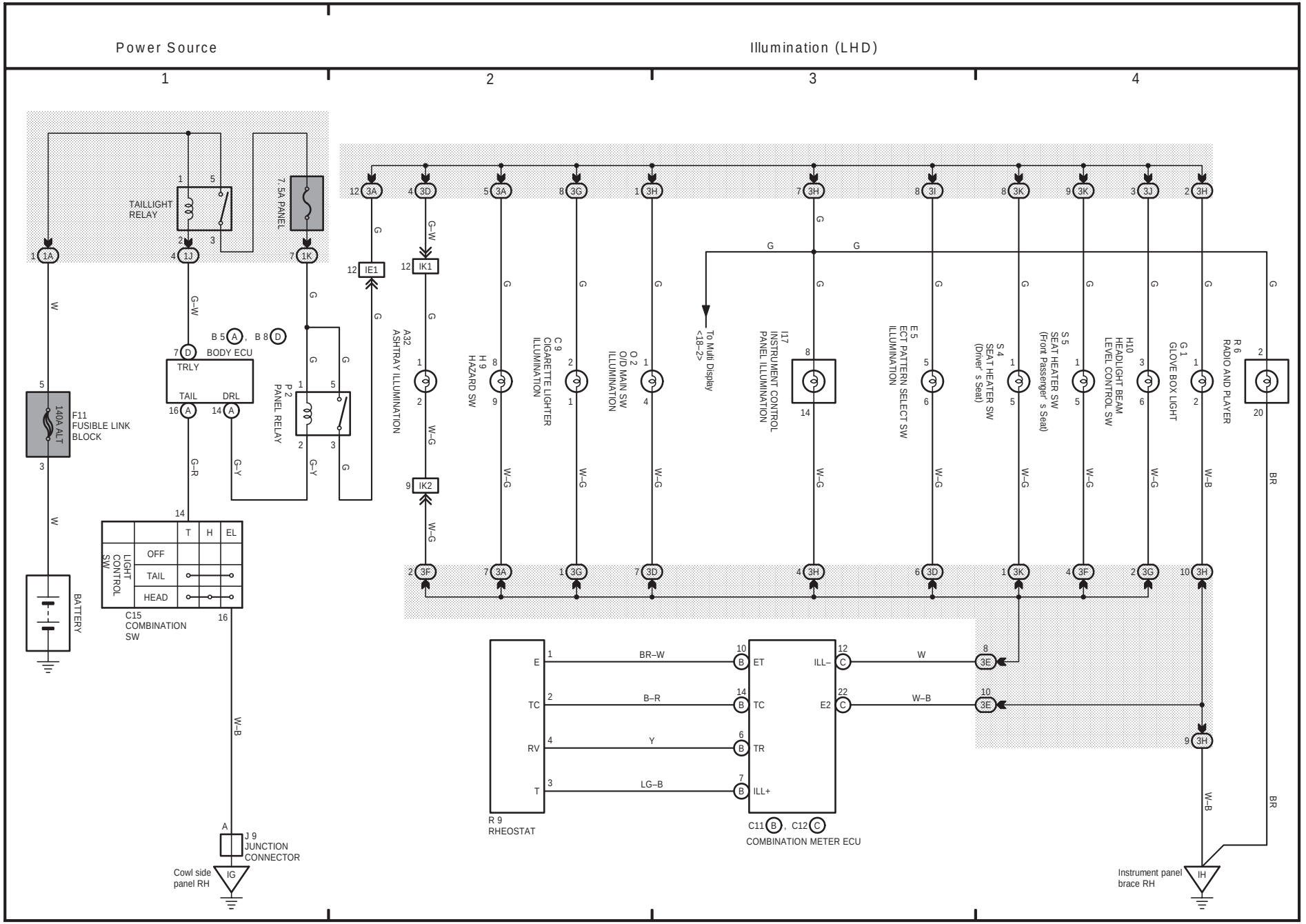


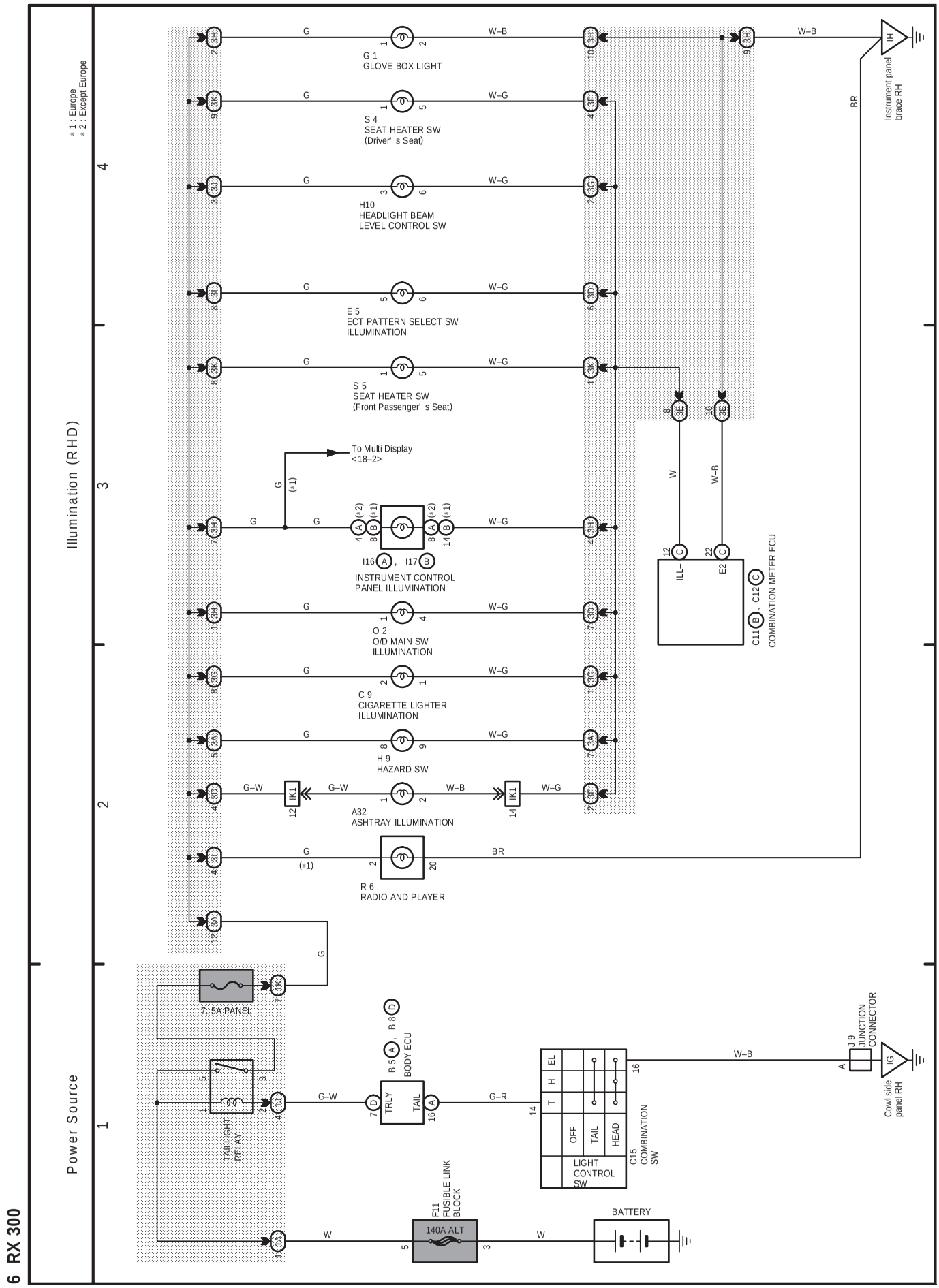
2 RX 300 (Cont' d)

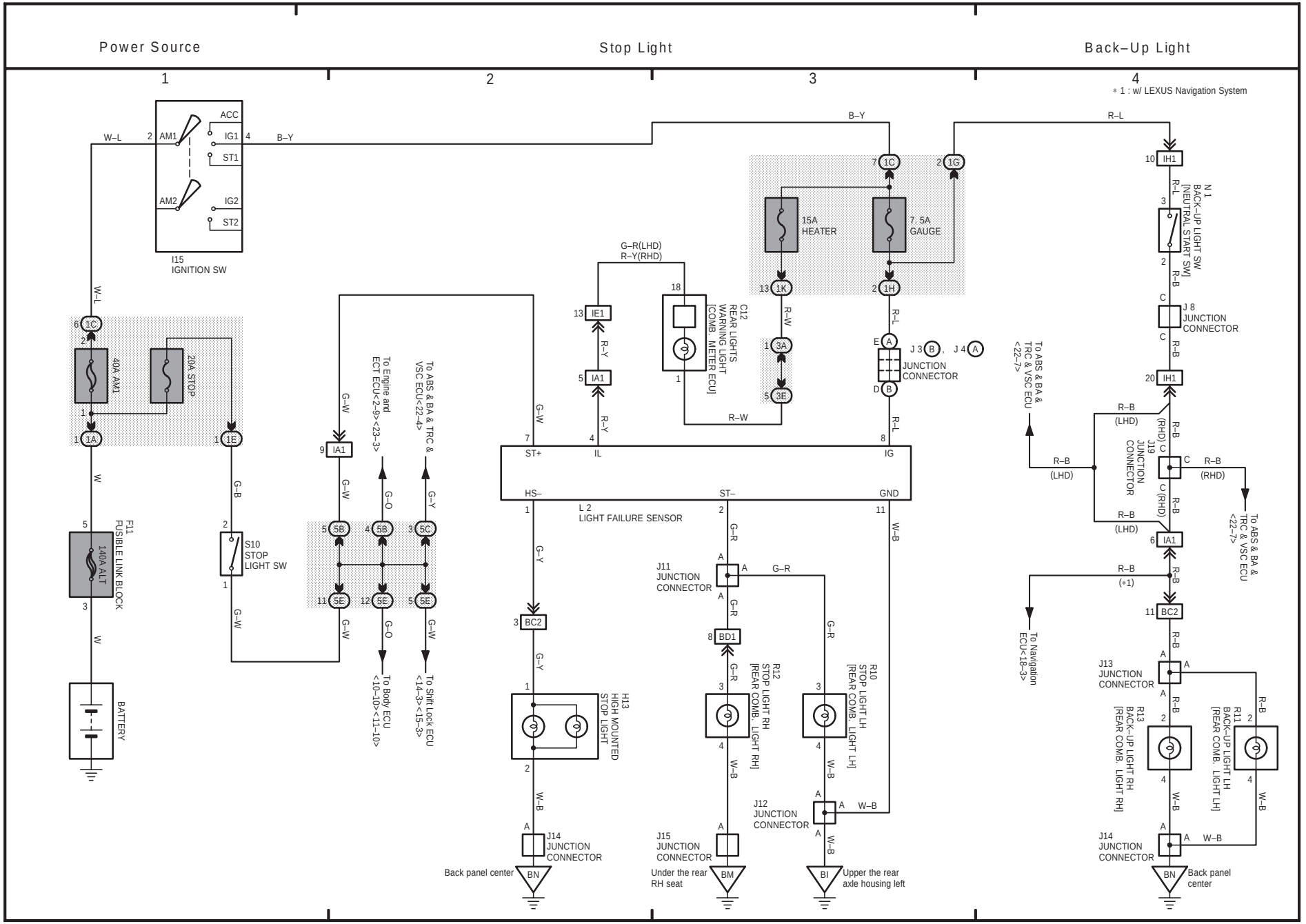


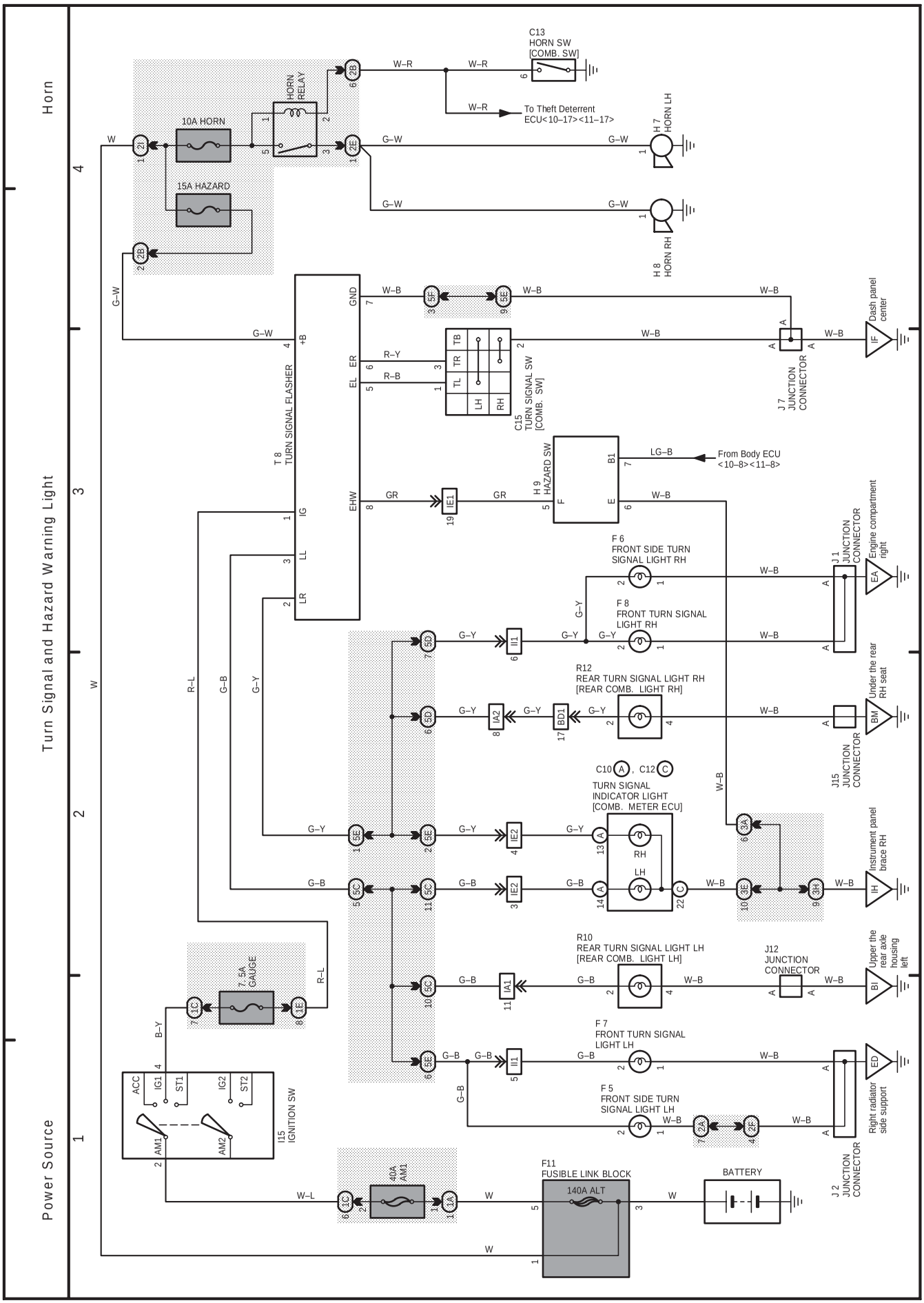

3 RX 300
Power Source
Headlight (RHD)
Headlight Beam Level Control
1
2
3
4
H10
HEADLIGHT BEAM LEVEL CONTROL SW
H 2
HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RH
H 1
HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH
C12
HIGH BEAM INDICATOR LIGHT [COMB. METER ECU]
B 5
BODY ECU
HRLY
HEAD
C15
COMBINATION SW
LIGHT CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
HL
HF
HU
EL
T
H
H 5
HEADLIGHT RH(High Beam)
H 6
HEADLIGHT RH(Low Beam)
H 3
HEADLIGHT LH(High Beam)
H 4
HEADLIGHT LH(Low Beam)
15A H-LP RH
15A H-LP LH
HEAD LAMP RELAY
50A MAIN
F11
FUSIBLE LINK BLOCK
BATTERY
J9
JUNCTION CONNECTOR
Cowl side panel RH
J1
JUNCTION CONNECTOR
Engine compartment right
J2
JUNCTION CONNECTOR
Right radiator side support
Instrument panel brace RH
R–L
R–W
R–B
R–Y
W–B
G–W
G–R
G–W(RHD)
G–W(LHD)
G–R(RHD)
G–R(LHD)
R–L (RHD)
R–L (LHD)
P
R
W


4 RX 300
Power Source
Taillight
1
2
3
4
J3 B, J4 A
JUNCTION CONNECTOR
7.5A GAUGE
15A HEATER
L2 LIGHT FAILURE SENSOR
C12 REAR LIGHTS WARNING LIGHT [COMB. METER ECU]
G–R(LHD) R–Y(RHD)
R13 TAILLIGHT RH [REAR COMB. LIGHT RH]
R11 TAILLIGHT LH [REAR COMB. LIGHT LH]
R12 TAILLIGHT RH [REAR COMB. LIGHT RH]
R10 TAILLIGHT LH [REAR COMB. LIGHT LH]
J13 JUNCTION CONNECTOR
J14 JUNCTION CONNECTOR
J11 JUNCTION CONNECTOR
J12 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
J1 JUNCTION CONNECTOR
J2 JUNCTION CONNECTOR
Back panel center
Upper the rear axle housing left
Under the rear RH seat
Engine compartment right
Right radiator side support
L1 LICENSE PLATE LIGHT
F2 FRONT CLEARANCE LIGHT RH
F1 FRONT CLEARANCE LIGHT LH
(RHD)
(LHD)
10A TAIL
TAILLIGHT RELAY
See Illumination System <5–1><6–1>
I15 IGNITION SW
ACC
IG1
IG2
ST1
ST2
AM1
AM2
40A AM1
F11 FUSIBLE LINK BLOCK
140A ALT
BATTERY

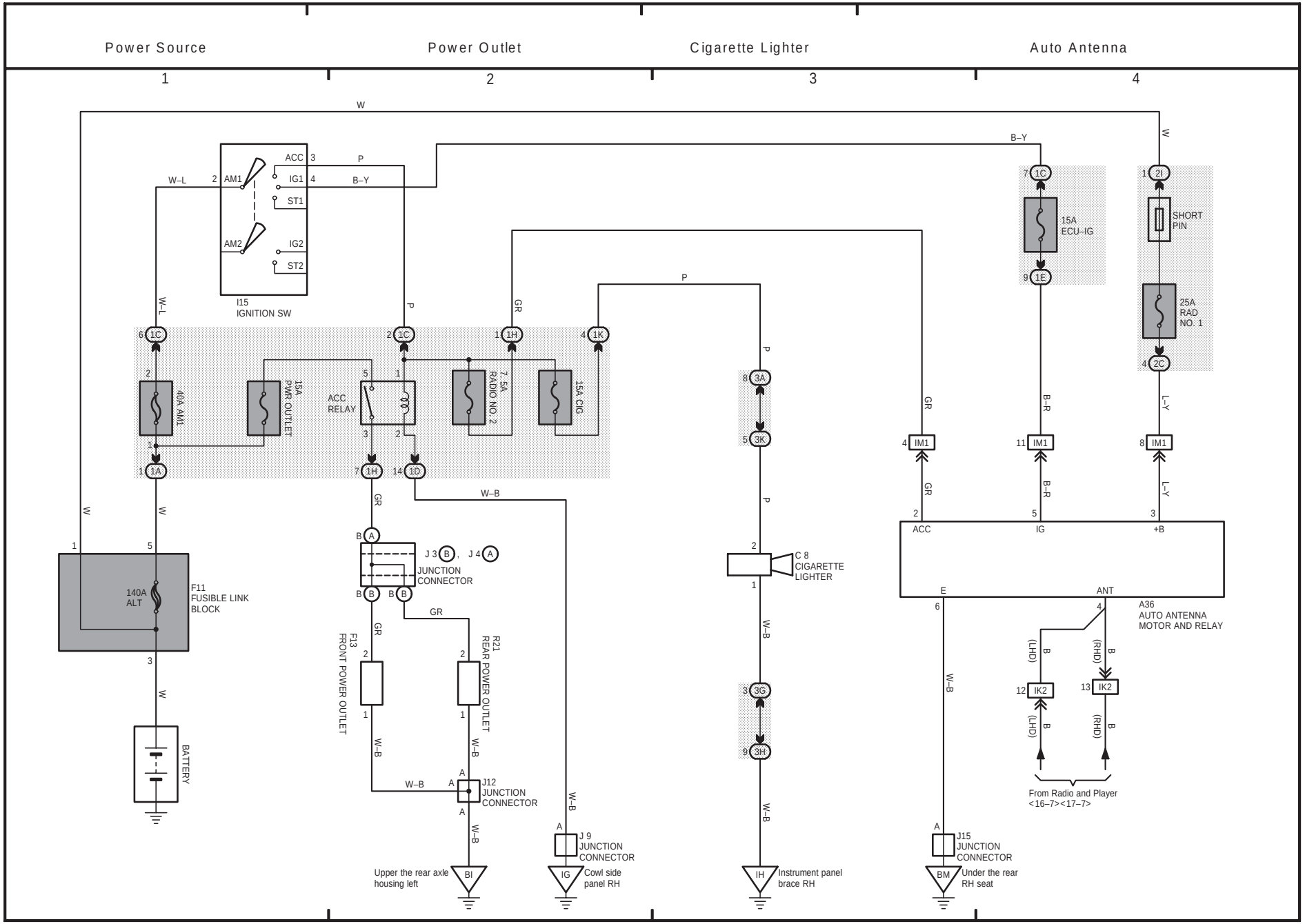

Power Source
Illumination (LHD)
1
2
3
4
TAILLIGHT RELAY
7.5A PANEL
1A
1J
1K
F11 FUSIBLE LINK BLOCK
140A ALT
BATTERY
BODY ECU
TRLY
TAIL
DRL
P2 PANEL RELAY
LIGHT CONTROL SW
OFF
TAIL
HEAD
T
H
EL
C15 COMBINATION SW
J9 JUNCTION CONNECTOR
Cowl side panel RH
IG
A32 ASHTRAY ILLUMINATION
H9 HAZARD SW
C9 CIGARETTE LIGHTER ILLUMINATION
O2 O/D MAIN SW ILLUMINATION
To Multi Display <18-2>
I17 INSTRUMENT CONTROL PANEL ILLUMINATION
E5 ECT PATTERN SELECT SW ILLUMINATION
S4 SEAT HEATER SW (Driver's Seat)
S5 SEAT HEATER SW (Front Passenger's Seat)
H10 HEADLIGHT BEAM LEVEL CONTROL SW
G1 GLOVE BOX LIGHT
R6 RADIO AND PLAYER
R9 RHEOSTAT
E
TC
RV
T
BR–W
B–R
Y
LG–B
ET
TC
TR
ILL+
ILL–
E2
W
W–B
C11, C12
COMBINATION METER ECU
Instrument panel brace RH
IH

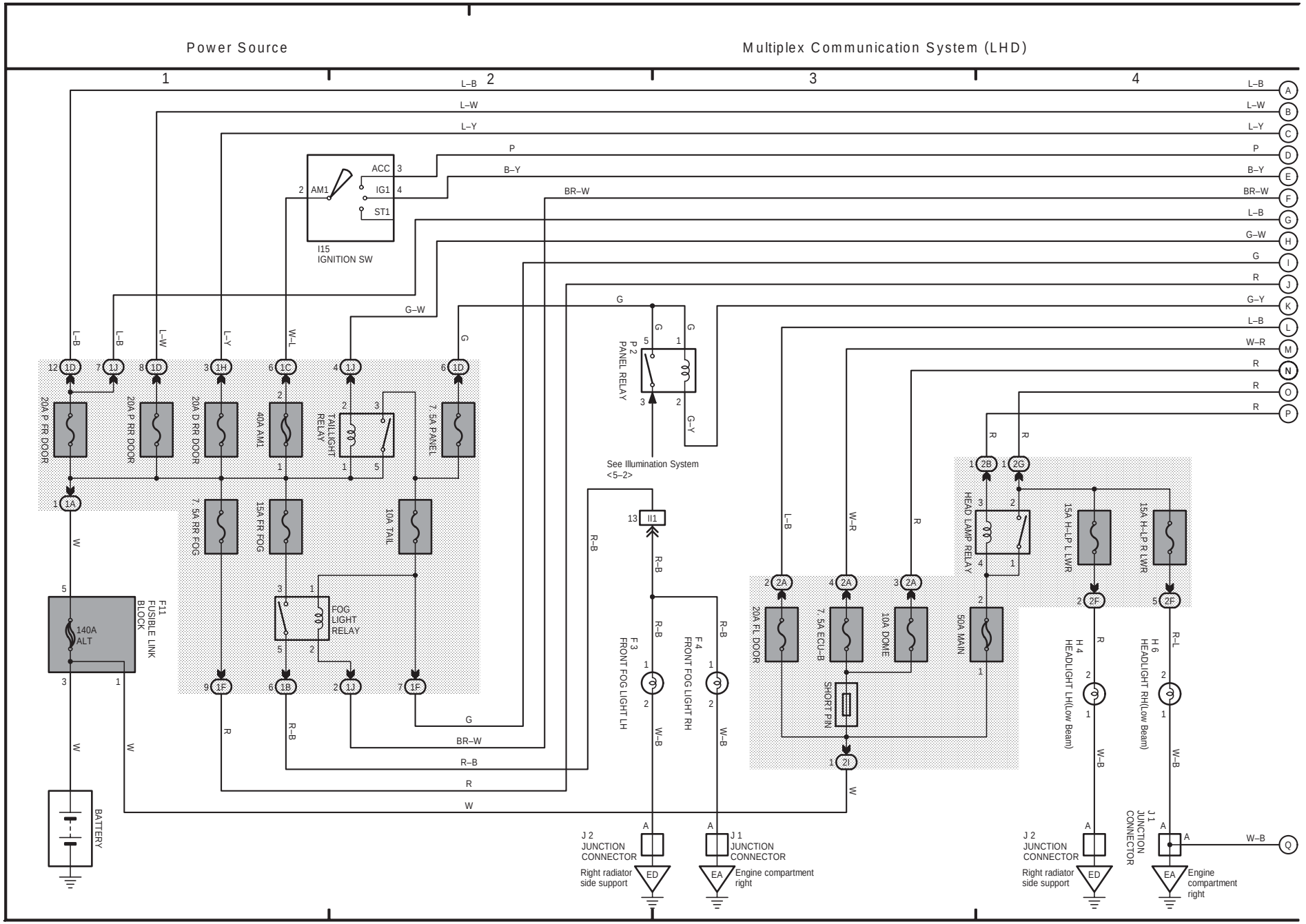

Illumination (RHD)
Power Source
* 1 : Europe
* 2 : Except Europe
G 1
GLOVE BOX LIGHT
S 4
SEAT HEATER SW
(Driver' s Seat)
H10
HEADLIGHT BEAM
LEVEL CONTROL SW
E 5
ECT PATTERN SELECT SW
ILLUMINATION
S 5
SEAT HEATER SW
(Front Passenger' s Seat)
To Multi Display
<18–2>
I16 (A) , I17 (B)
INSTRUMENT CONTROL
PANEL ILLUMINATION
O 2
O/D MAIN SW
ILLUMINATION
C 9
CIGARETTE LIGHTER
ILLUMINATION
H 9
HAZARD SW
A32
ASHTRAY ILLUMINATION
R 6
RADIO AND PLAYER
ILL–
E2
C11 (B) , C12 (C)
COMBINATION METER ECU
Instrument panel brace RH
7. 5A PANEL
TAILLIGHT RELAY
B 5 (A) , B 8 (D)
BODY ECU
TRLY
TAIL
LIGHT CONTROL SW
OFF
TAIL
HEAD
C15 COMBINATION SW
F11 FUSIBLE LINK BLOCK
140A ALT
BATTERY
J 9 JUNCTION CONNECTOR
Cowl side panel RH
6 RX 300


Power Source
Stop Light
Back–Up Light
1
2
3
4
* 1 : w/ LEXUS Navigation System
I15
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
W–L
B–Y
R–L
15A
HEATER
7. 5A
GAUGE
40A AM1
20A STOP
140A ALT
F11
FUSIBLE LINK BLOCK
BATTERY
S10
STOP
LIGHT SW
G–R(LHD)
R–Y(RHD)
C12
REAR LIGHTS
WARNING LIGHT
[COMB. METER ECU]
R–W
R–Y
G–W
G–O
G–Y
To ABS & BA & TRC & VSC ECU<22–4>
To Engine and ECT ECU<2–9><23–3>
To Body ECU<10–10><11–10>
To Shift Lock ECU<14–3><15–3>
ST+
IL
IG
HS–
ST–
GND
L 2
LIGHT FAILURE SENSOR
H13
HIGH MOUNTED
STOP LIGHT
J11
JUNCTION
CONNECTOR
R12
STOP LIGHT RH
[REAR COMB. LIGHT RH]
R10
STOP LIGHT LH
[REAR COMB. LIGHT LH]
J12
JUNCTION
CONNECTOR
J14
JUNCTION
CONNECTOR
J15
JUNCTION
CONNECTOR
Back panel center
Under the rear
RH seat
Upper the rear
axle housing left
J 3
J 4
To ABS & BA &
TRC & VSC ECU
<22–7>
N 1
BACK–UP LIGHT SW
[NEUTRAL START SW]
J 8
JUNCTION
CONNECTOR
J19
JUNCTION
CONNECTOR
(LHD)
(RHD)
To Navigation
ECU<18–3>
J13
JUNCTION
CONNECTOR
R13
BACK–UP LIGHT RH
[REAR COMB. LIGHT RH]
R11
BACK–UP LIGHT LH
[REAR COMB. LIGHT LH]
Back panel
center


Horn
Turn Signal and Hazard Warning Light
Power Source
C13
HORN SW
[COMB. SW]
HORN
RELAY
10A HORN
15A HAZARD
To Theft Deterrent
ECU<10–17><11–17>
H 7
HORN LH
H 8
HORN RH
T 8
TURN SIGNAL FLASHER
C15
TURN SIGNAL SW
[COMB. SW]
H 9
HAZARD SW
From Body ECU
<10–8><11–8>
J 7
JUNCTION
CONNECTOR
Dash panel
center
J 1
JUNCTION
CONNECTOR
Engine compartment
right
F 6
FRONT SIDE TURN
SIGNAL LIGHT RH
F 8
FRONT TURN SIGNAL
LIGHT RH
R12
REAR TURN SIGNAL LIGHT RH
[REAR COMB. LIGHT RH]
Under the rear
RH seat
J15
JUNCTION
CONNECTOR
C10 A , C12 C
TURN SIGNAL
INDICATOR LIGHT
[COMB. METER ECU]
Instrument panel
brace RH
R10
REAR TURN SIGNAL LIGHT LH
[REAR COMB. LIGHT LH]
J12
JUNCTION
CONNECTOR
Upper the
rear axle
housing
left
7.5A
GAUGE
F 7
FRONT TURN SIGNAL
LIGHT LH
F 5
FRONT SIDE TURN
SIGNAL LIGHT LH
Right radiator
side support
I15
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
40A
AM1
F11
FUSIBLE LINK BLOCK
140A ALT
BATTERY
J 2
JUNCTION
CONNECTOR
Dash panel
center

8 RX 300

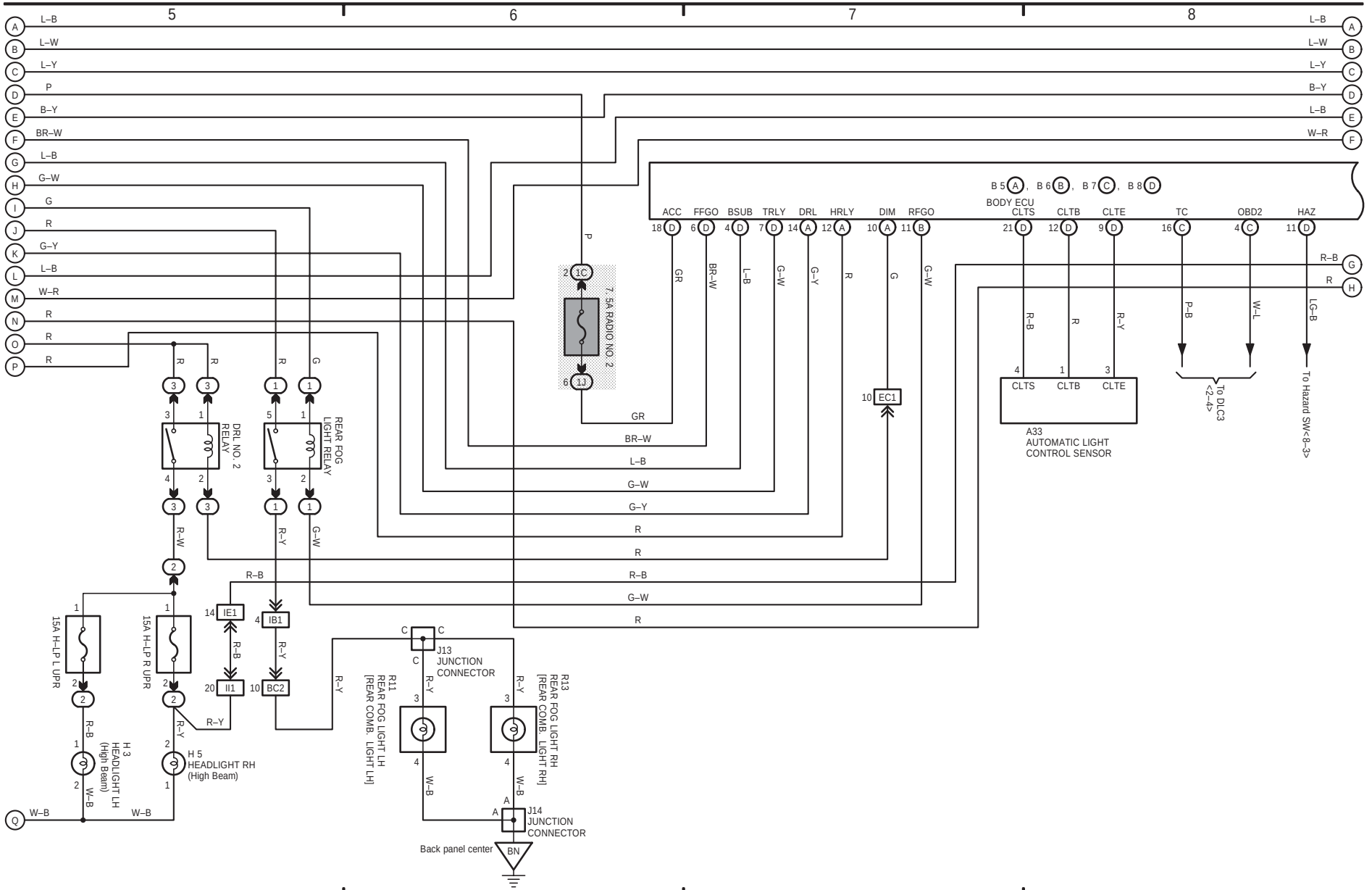

Power Source
Power Outlet
Cigarette Lighter
Auto Antenna
1
2
3
4
W
B–Y
W
ACC
3
P
W–L
2
AM1
IG1
4
B–Y
ST1
AM2
IG2
ST2
I15
IGNITION SW
W–L
P
GR
P
6 1C
2 1C
1 1H
4 1K
2
40A AM1
15A PWR OUTLET
ACC RELAY
5
1
3
2
7.5A RADIO NO. 2
15A CIG
1 1A
7 1H
14 1D
W
W
GR
W–B
1
5
B A
J 3 B , J 4 A
JUNCTION CONNECTOR
140A ALT
F11 FUSIBLE LINK BLOCK
3
W
B B
B B
GR
GR
2
2
F13 FRONT POWER OUTLET
R21 REAR POWER OUTLET
1
1
W–B
W–B
W–B
A
A
J12 JUNCTION CONNECTOR
A
W–B
BATTERY
Upper the rear axle housing left
BI
W–B
A
J 9 JUNCTION CONNECTOR
IG
Cowl side panel RH
8 3A
5 3K
P
P
2
C 8 CIGARETTE LIGHTER
1
W–B
3 3G
9 3H
W–B
IH
Instrument panel brace RH
7 1C
9 1E
15A ECU–IG
B–R
1 2I
SHORT PIN
25A RAD NO. 1
4 2C
L–Y
4 IM1
11 IM1
8 IM1
GR
B–R
L–Y
2
5
3
ACC
IG
+B
E
ANT
6
4
A36 AUTO ANTENNA MOTOR AND RELAY
W–B
(LHD)
B
(RHD)
B
12 IK2
13 IK2
(LHD)
B
(RHD)
B
From Radio and Player <16–7><17–7>
A
J15 JUNCTION CONNECTOR
BM
Under the rear RH seat



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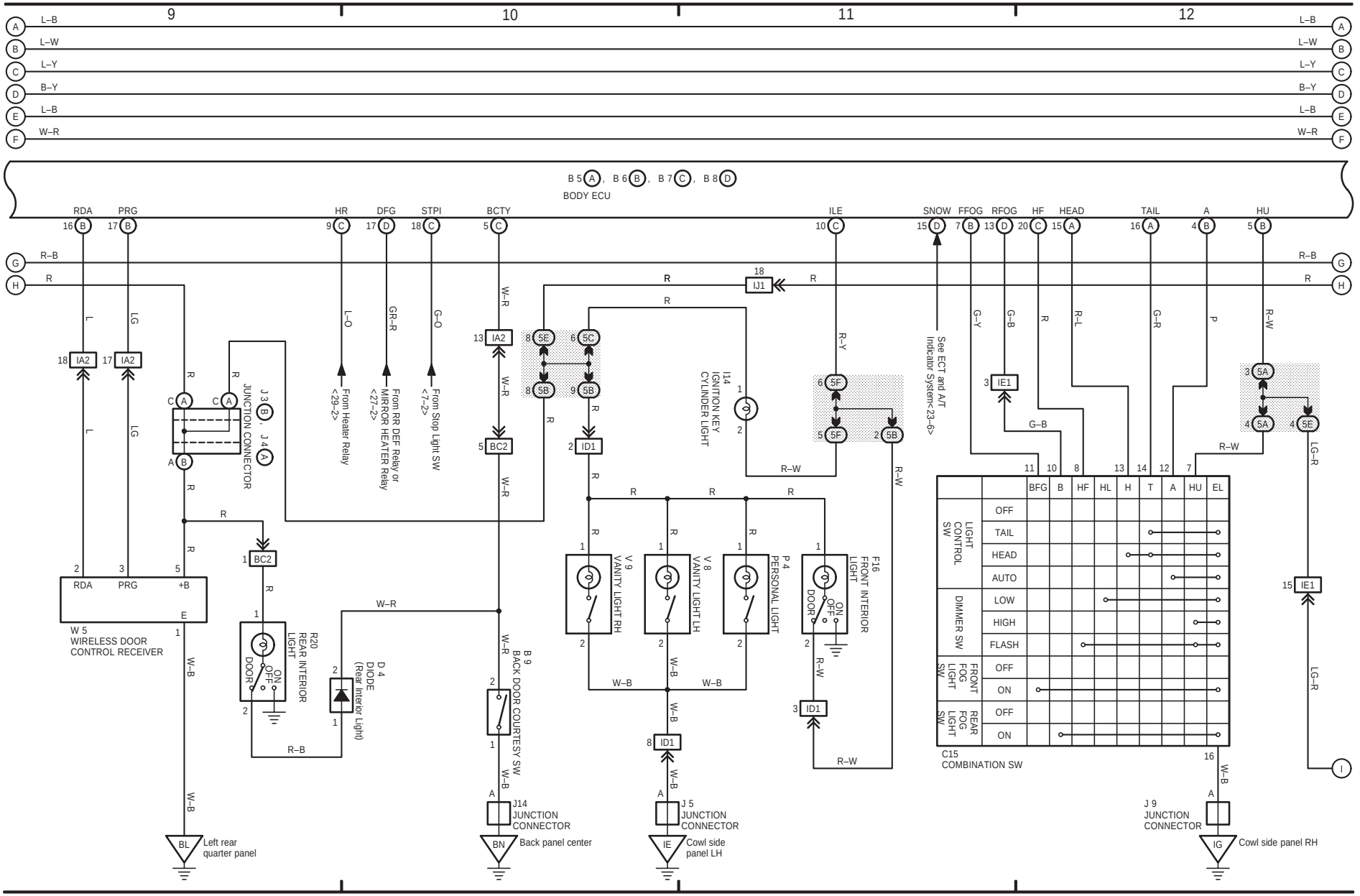
Multiplex Communication System (LHD)



10 RX 300 (Cont' d)

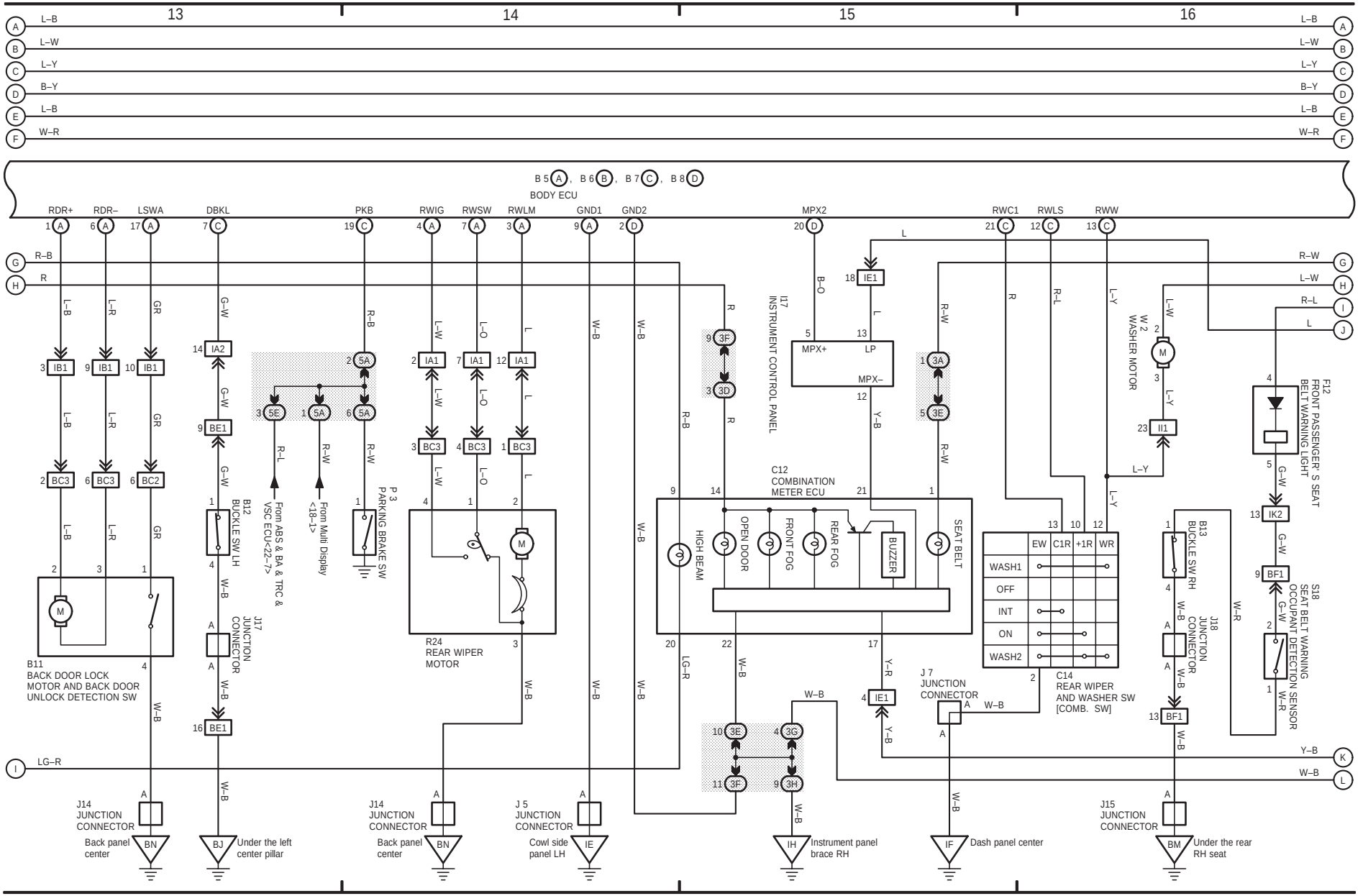
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Multiplex Communication System (LHD)



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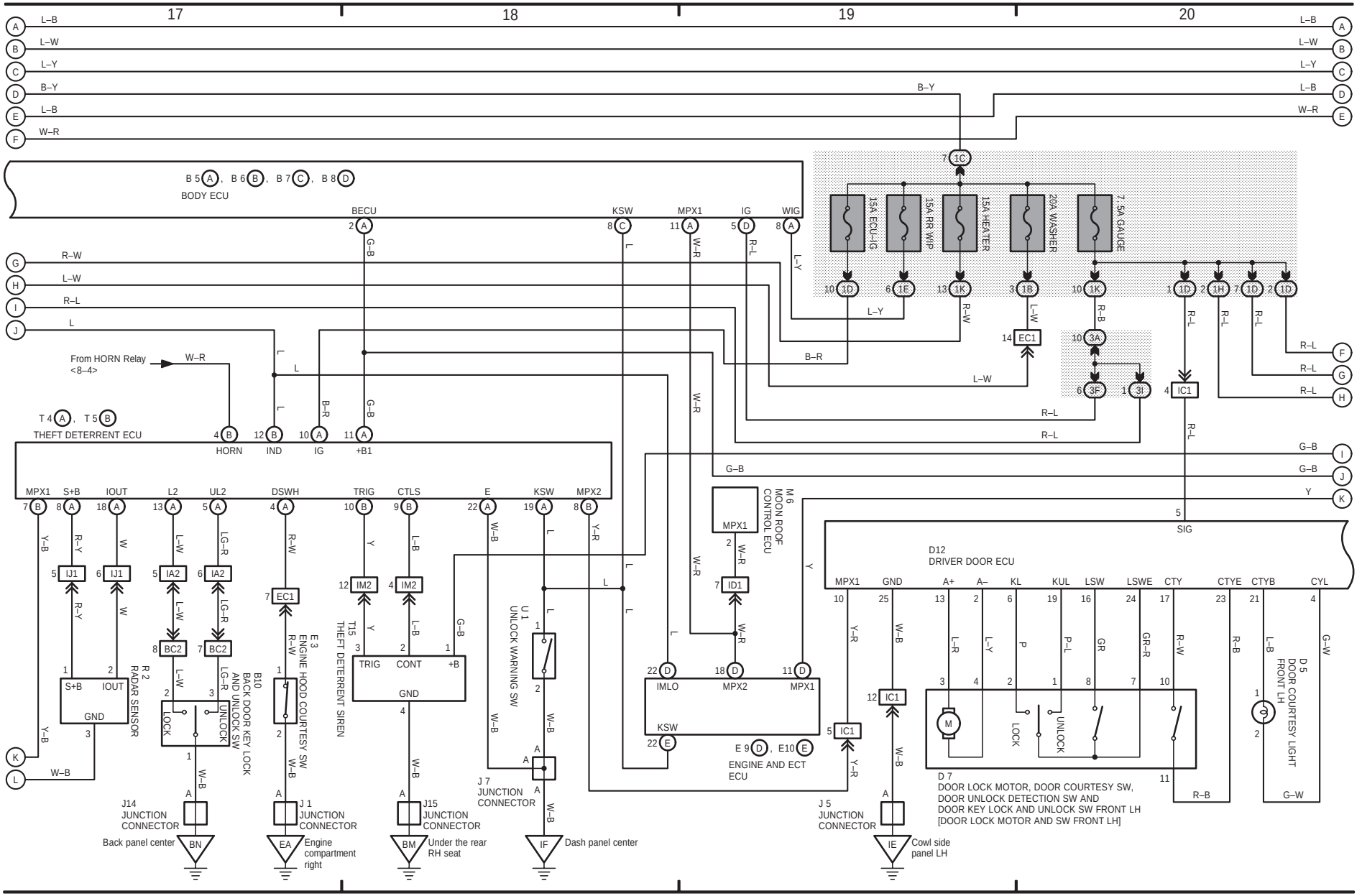
Multiplex Communication System (LHD)



10 RX 300 (Cont' d)

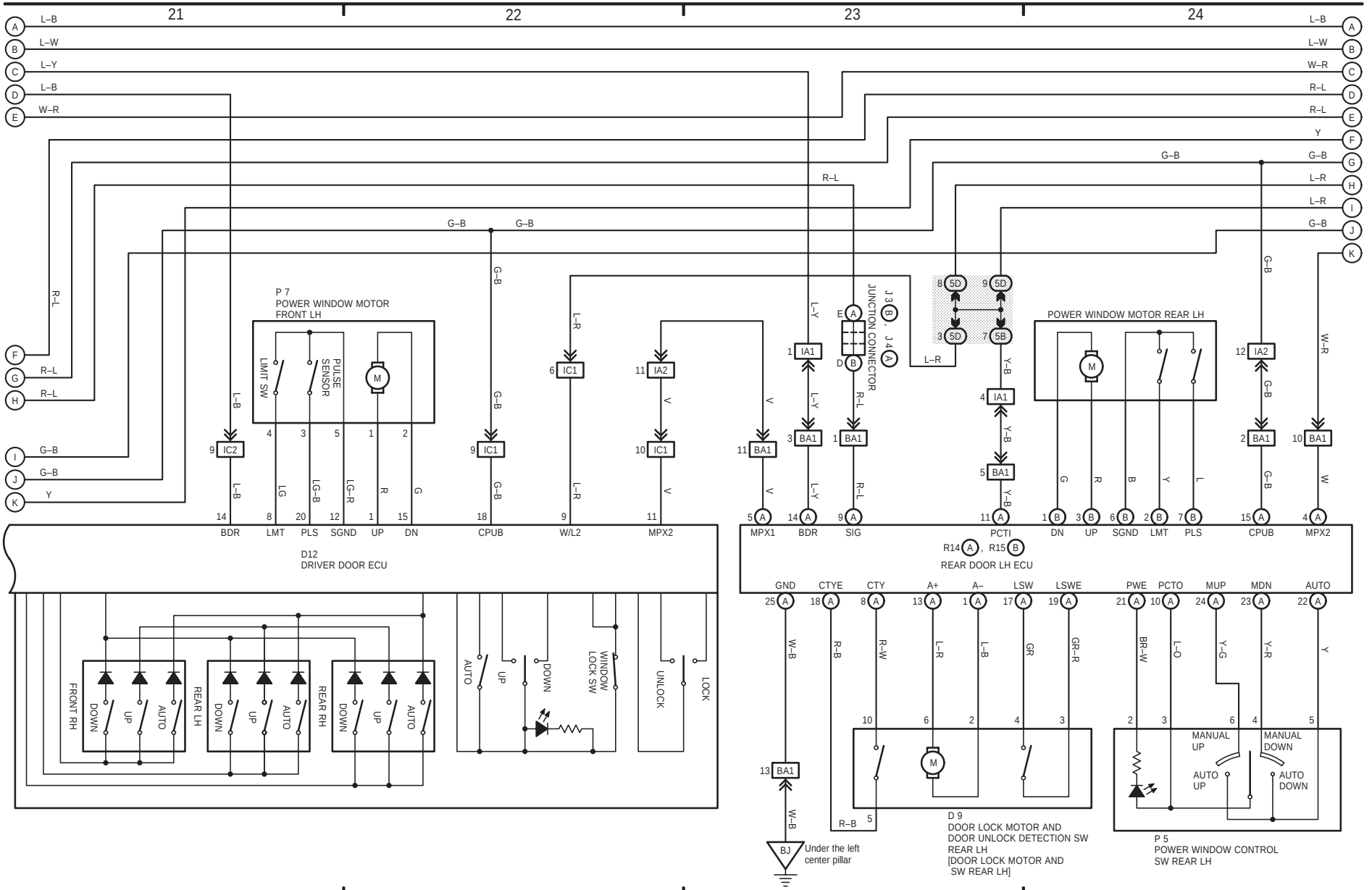
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Multiplex Communication System (LHD)



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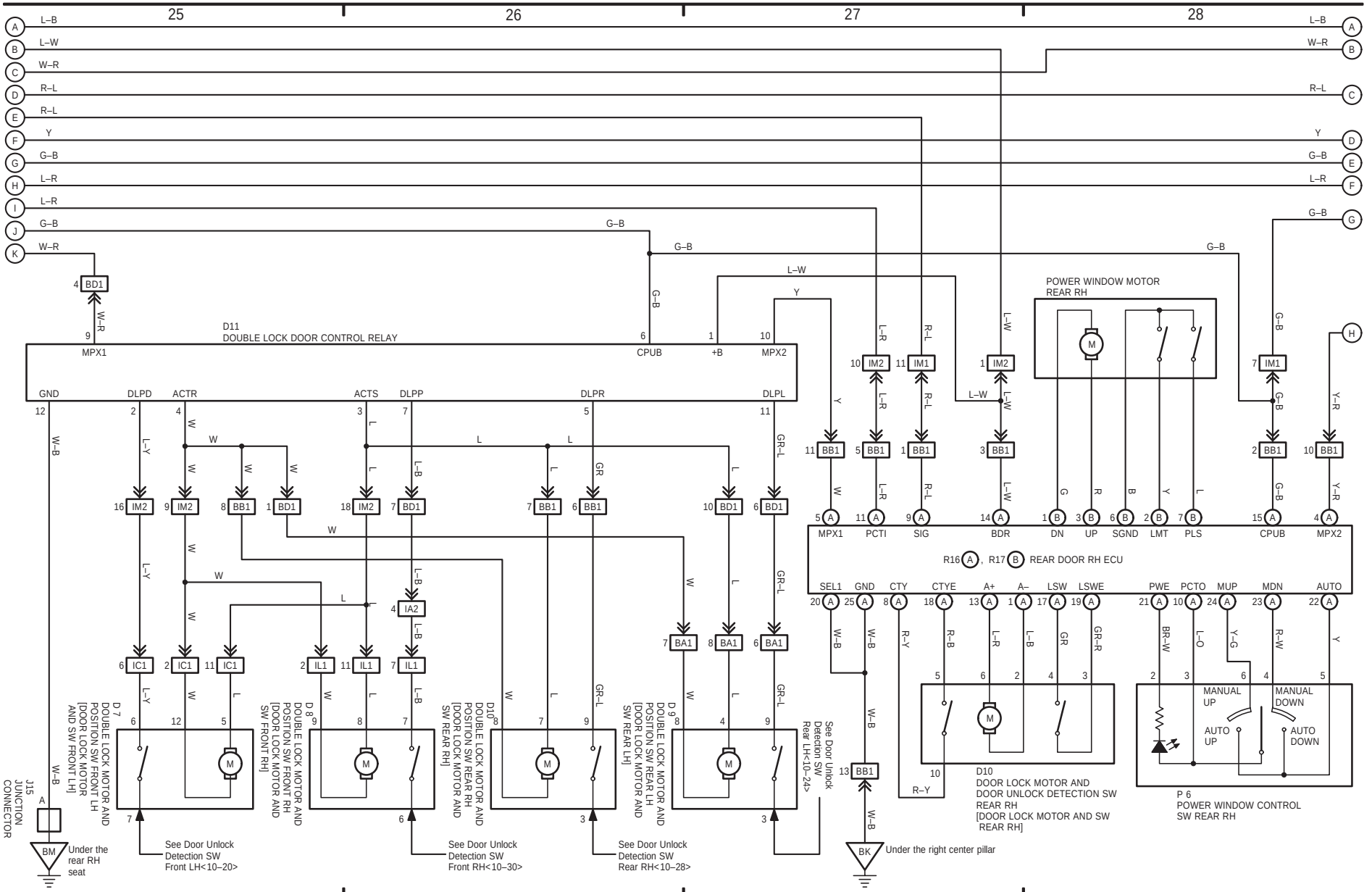
Multiplex Communication System (LHD)

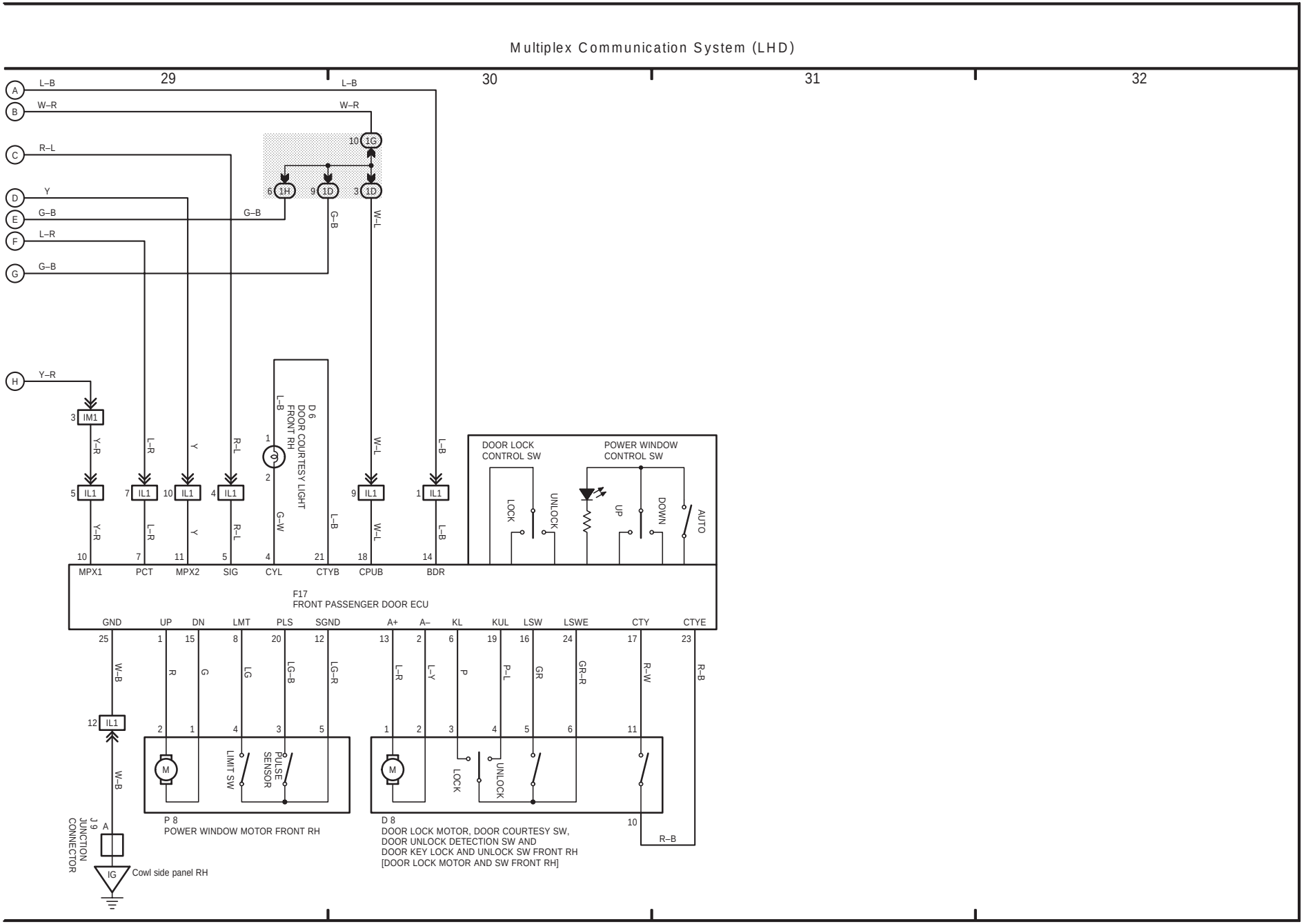


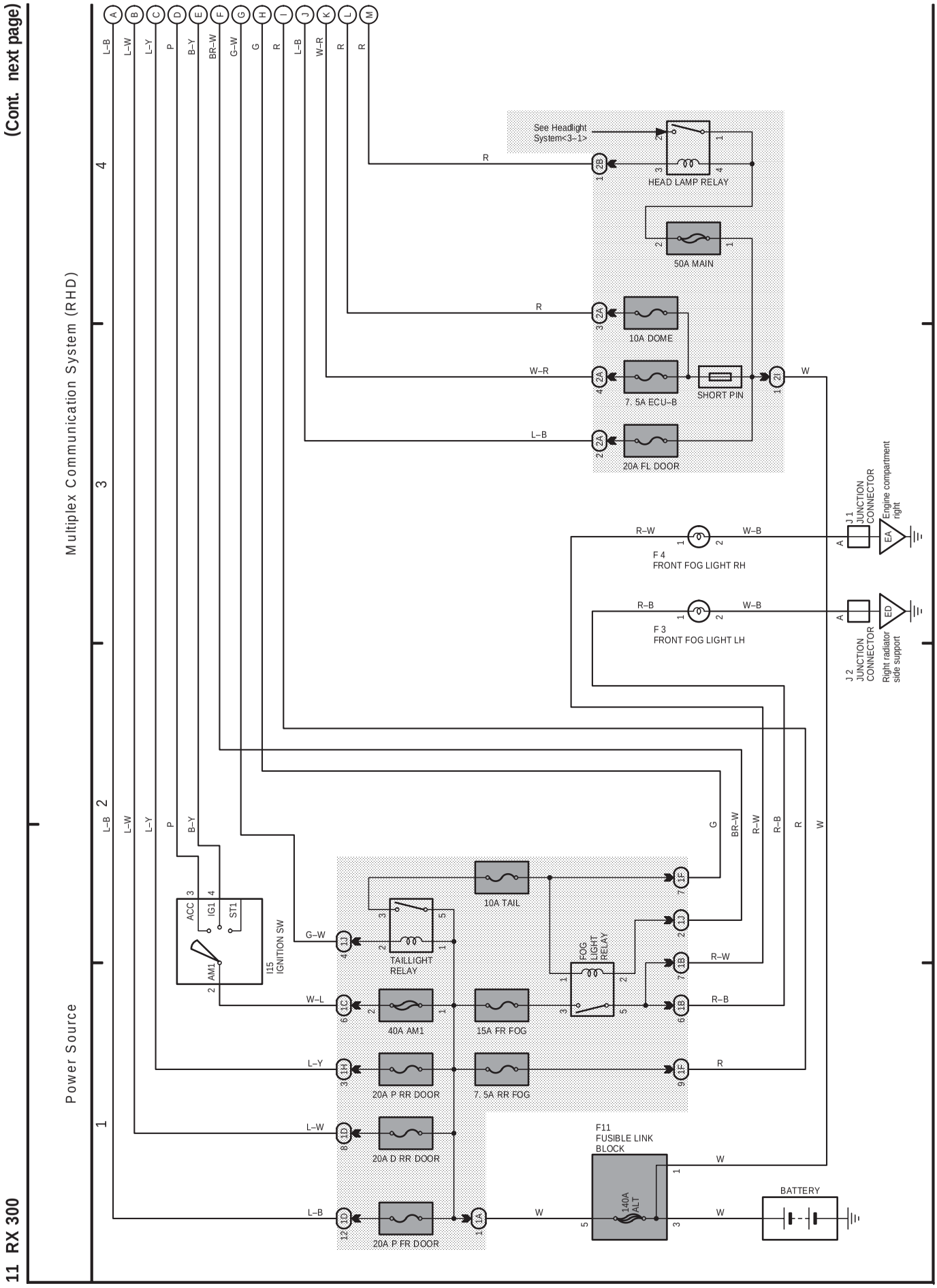
10 RX 300 (Cont' d)

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Multiplex Communication System (LHD)

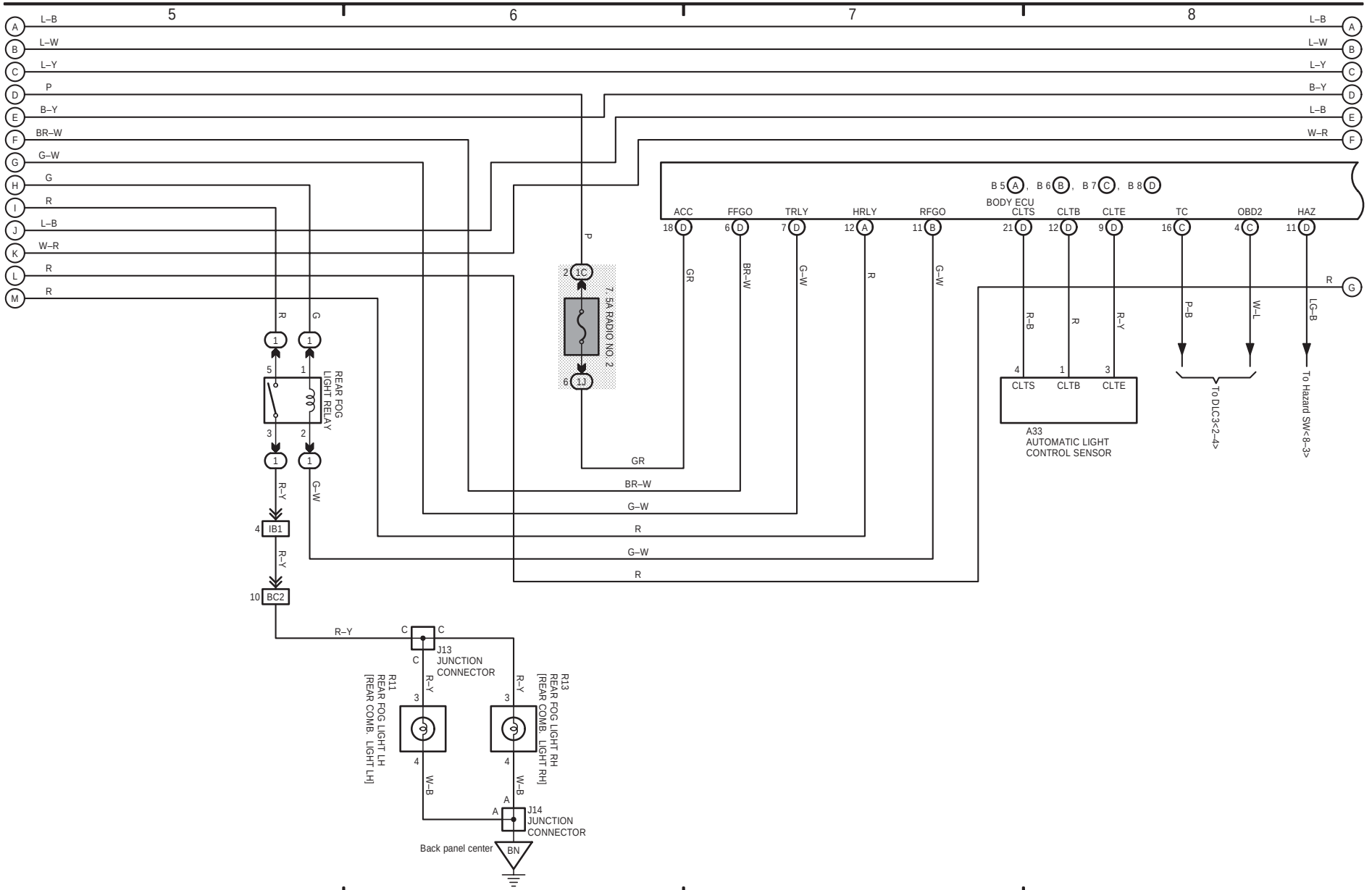



Multiplex Communication System (LHD)
29
30
31
32
L–B
W–R
R–L
Y
G–B
L–R
G–B
Y–R
10 1G
6 1H
9 1D
3 1D
G–B
W–L
L–B
3 IM1
Y–R
5 IL1
7 IL1
10 IL1
4 IL1
9 IL1
1 IL1
L–R
Y
R–L
W–L
L–B
1
2
D 6
DOOR COURTESY LIGHT
FRONT RH
L–B
G–W
L–B
DOOR LOCK
CONTROL SW
POWER WINDOW
CONTROL SW
LOCK
UNLOCK
UP
DOWN
AUTO
10 MPX1
7 PCT
11 MPX2
5 SIG
4 CYL
21 CTYB
18 CPUB
14 BDR
F17
FRONT PASSENGER DOOR ECU
GND
UP
DN
LMT
PLS
SGND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25
1
15
8
20
12
13
2
6
19
16
24
17
23
W–B
R
G
LG
LG–B
LG–R
L–R
L–Y
P
P–L
GR
GR–R
R–W
R–B
12 IL1
2
1
4
3
5
1
2
3
4
5
6
11
M
LIMIT SW
PULSE SENSOR
M
LOCK
UNLOCK
P 8
POWER WINDOW MOTOR FRONT RH
D 8
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT RH
[DOOR LOCK MOTOR AND SW FRONT RH]
10
R–B
W–B
J 9
JUNCTION
CONNECTOR
A
IG
Cowl side panel RH


(Cont. next page)
Multiplex Communication System (RHD)
Power Source
11 RX 300
See Headlight System<3-1>
HEAD LAMP RELAY
50A MAIN
10A DOME
7. 5A ECU-B
SHORT PIN
20A FL DOOR
J1 JUNCTION CONNECTOR
Engine compartment right
F 4 FRONT FOG LIGHT RH
F 3 FRONT FOG LIGHT LH
J2 JUNCTION CONNECTOR
Right radiator side support
I15 IGNITION SW
ACC
IG1
ST1
AM1
TAILLIGHT RELAY
FOG LIGHT RELAY
10A TAIL
40A AM1
15A FR FOG
20A P RR DOOR
7. 5A RR FOG
20A D RR DOOR
20A P FR DOOR
F11 FUSIBLE LINK BLOCK
140A ALT
BATTERY

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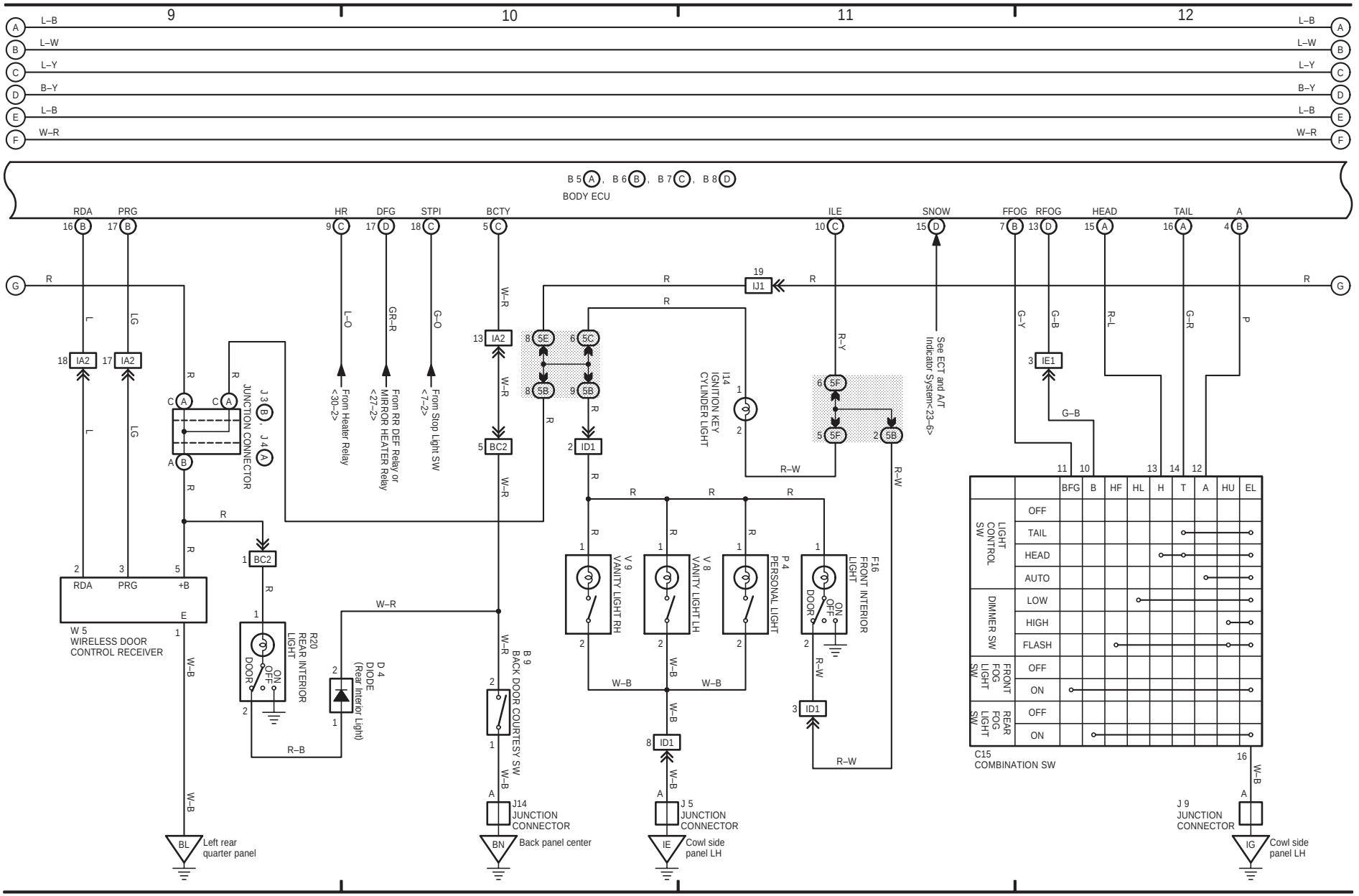
Multiplex Communication System (RHD)



11 RX 300 (Cont' d)

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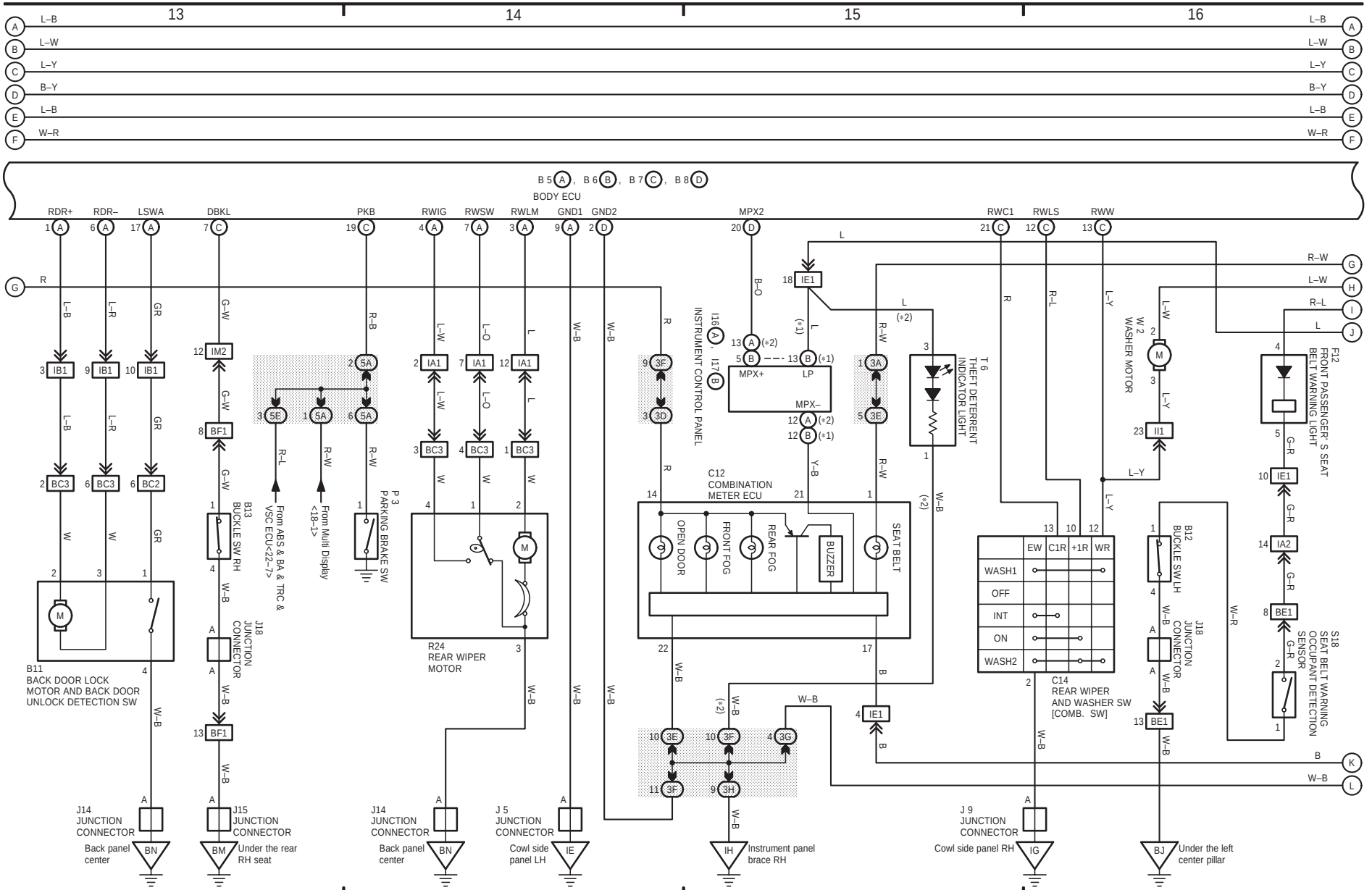
Multiplex Communication System (RHD)



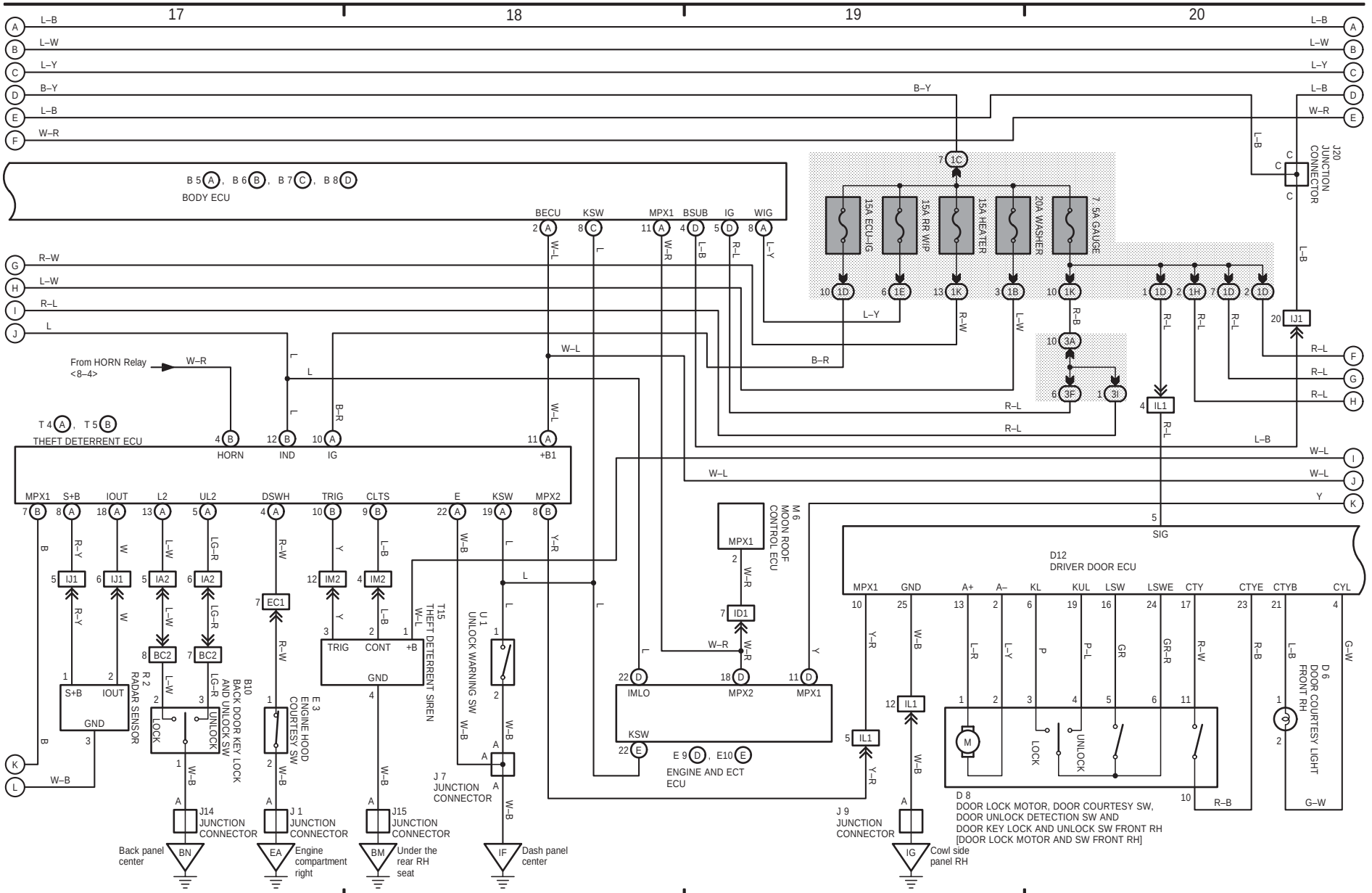
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Multiplex Communication System (RHD)

＊1 : Europe
＊2 : Except Europe

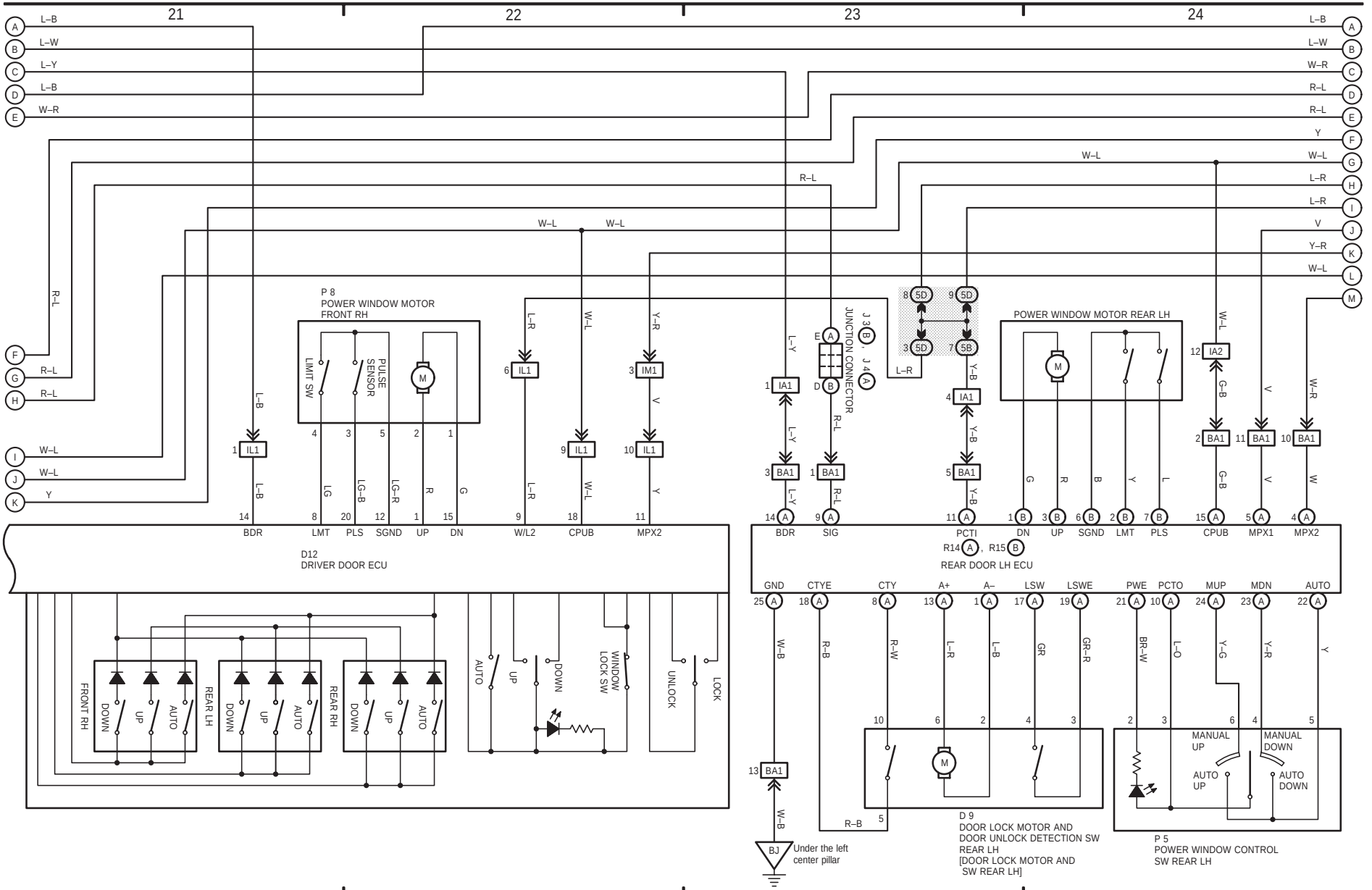


Multiplex Communication System (RHD)

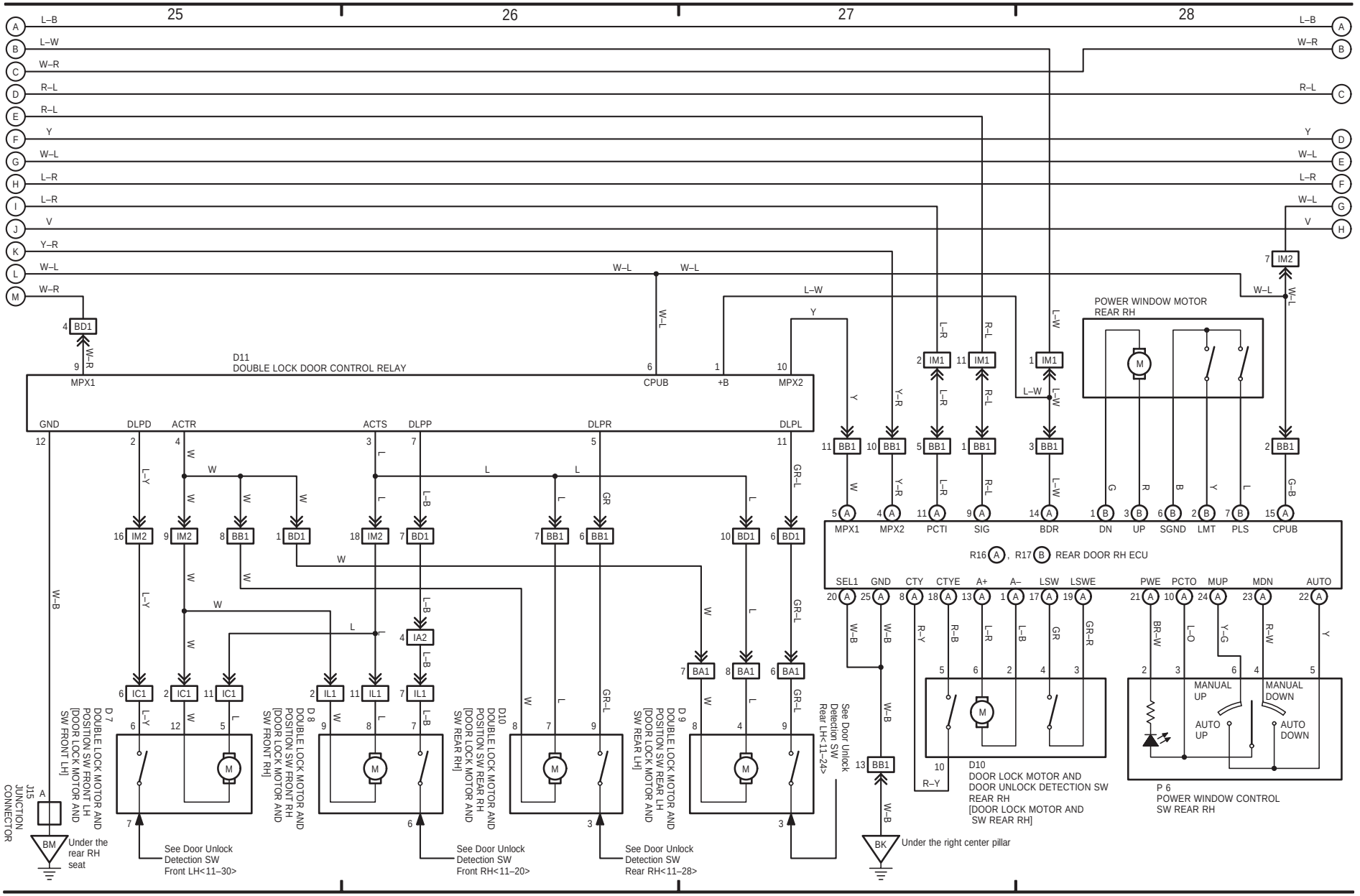


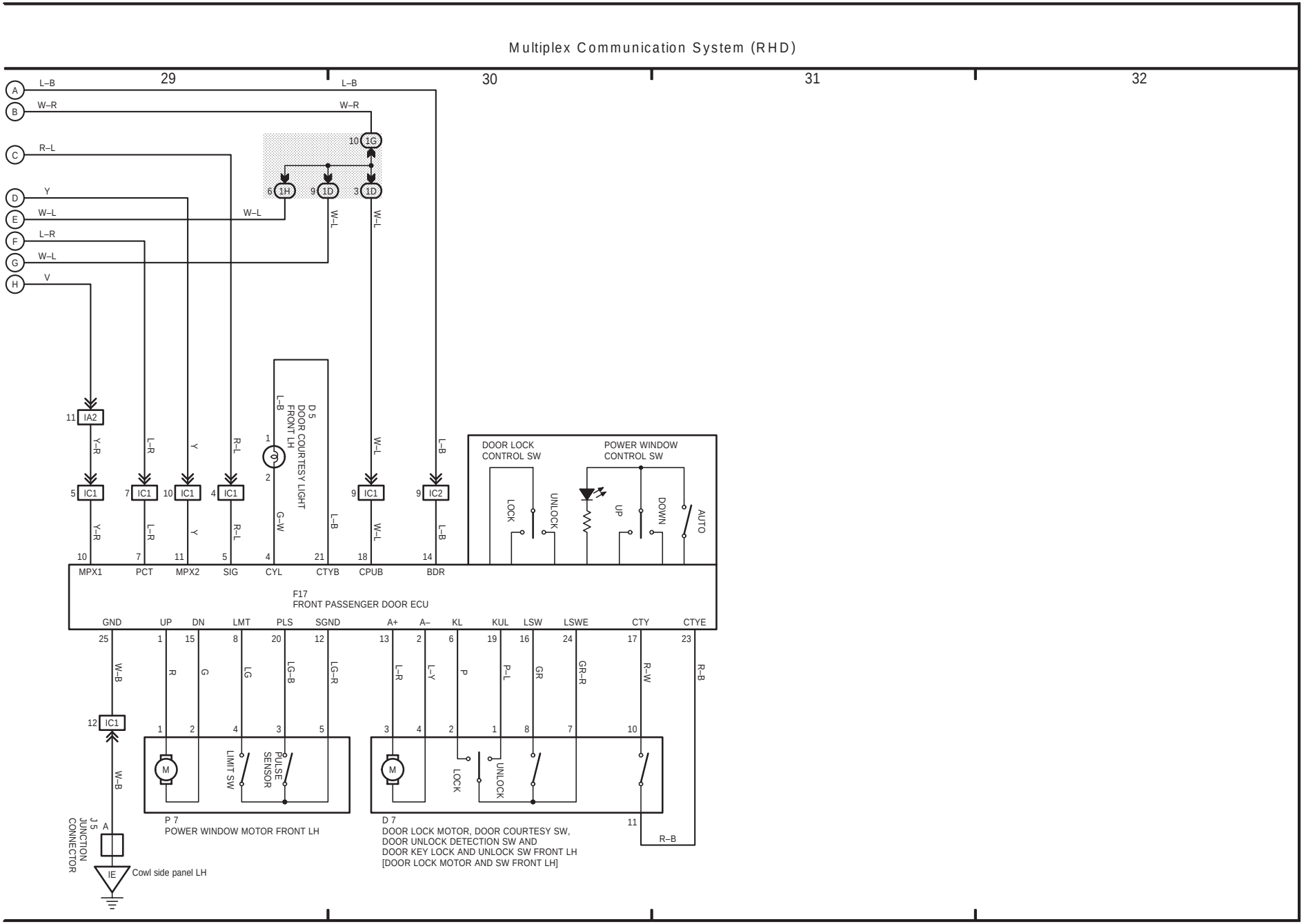
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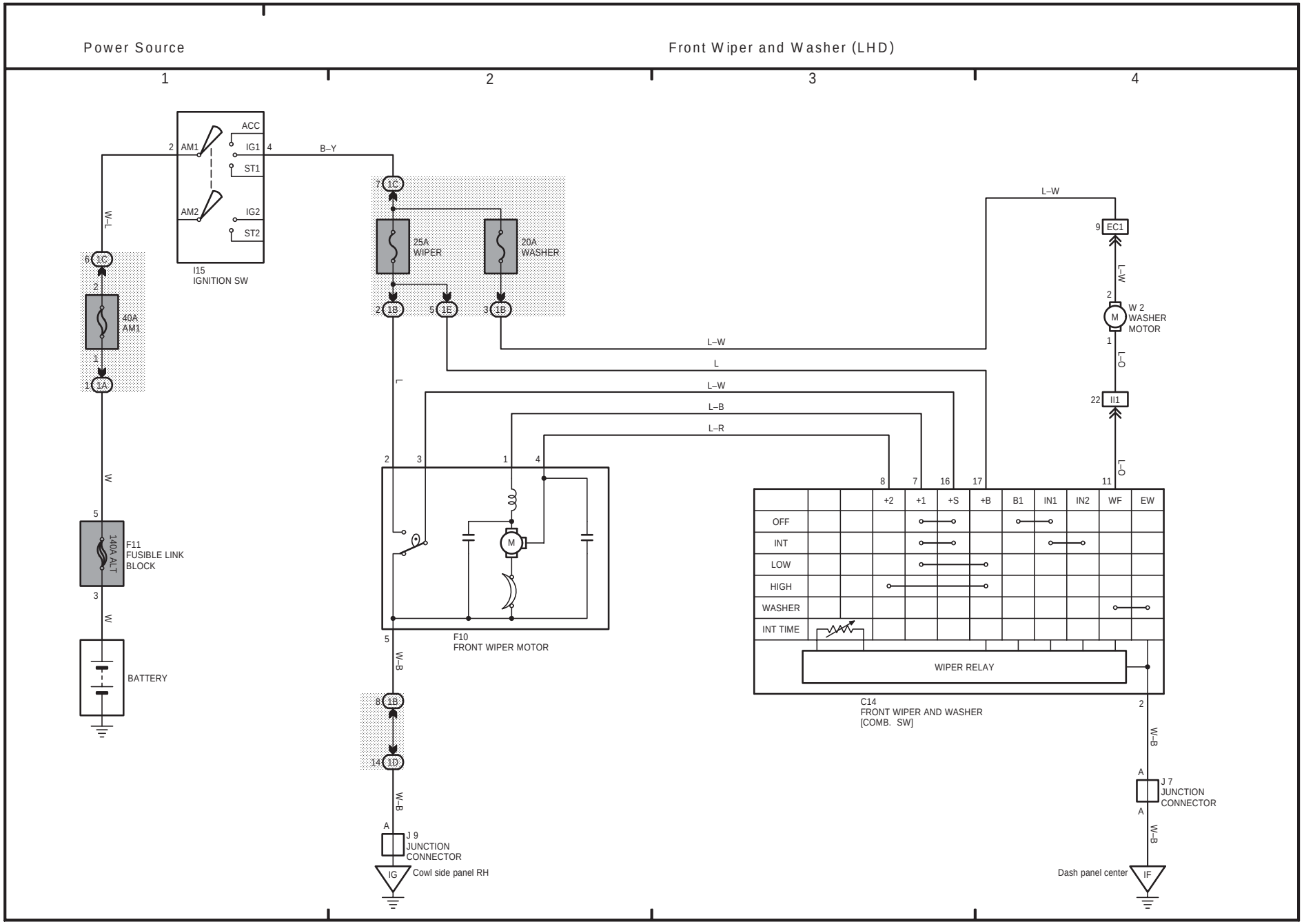
Multiplex Communication System (RHD)

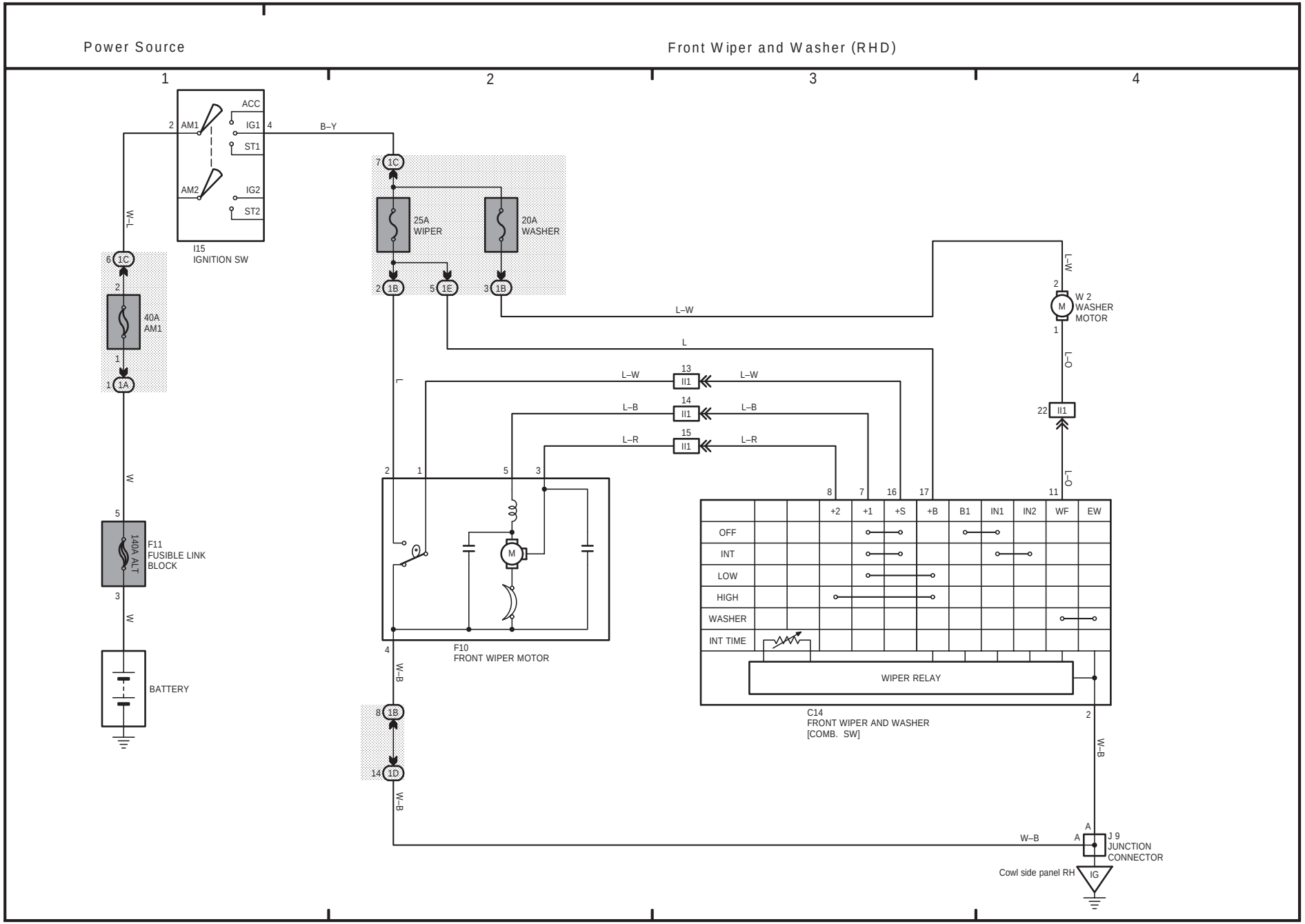


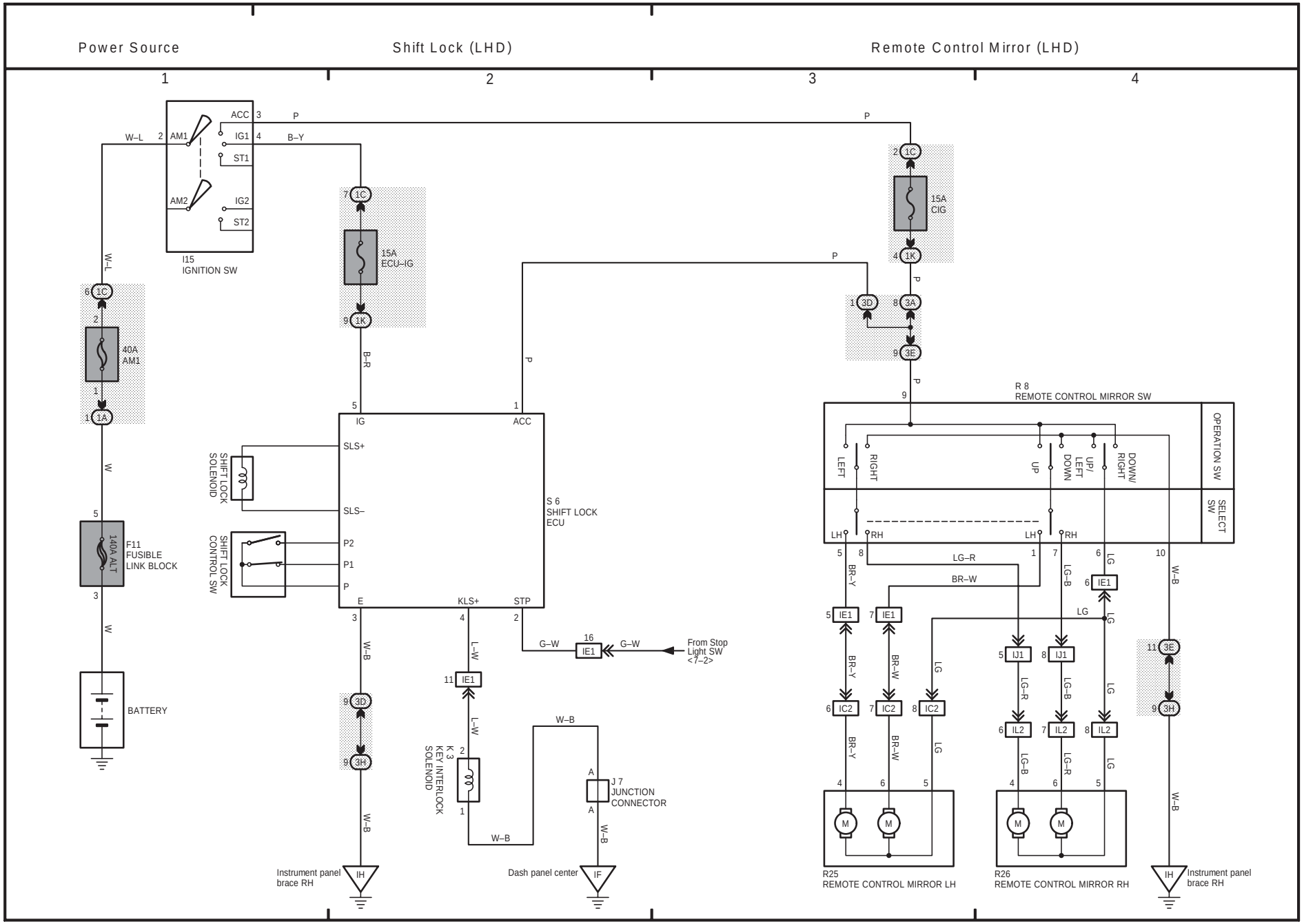
Multiplex Communication System (RHD)

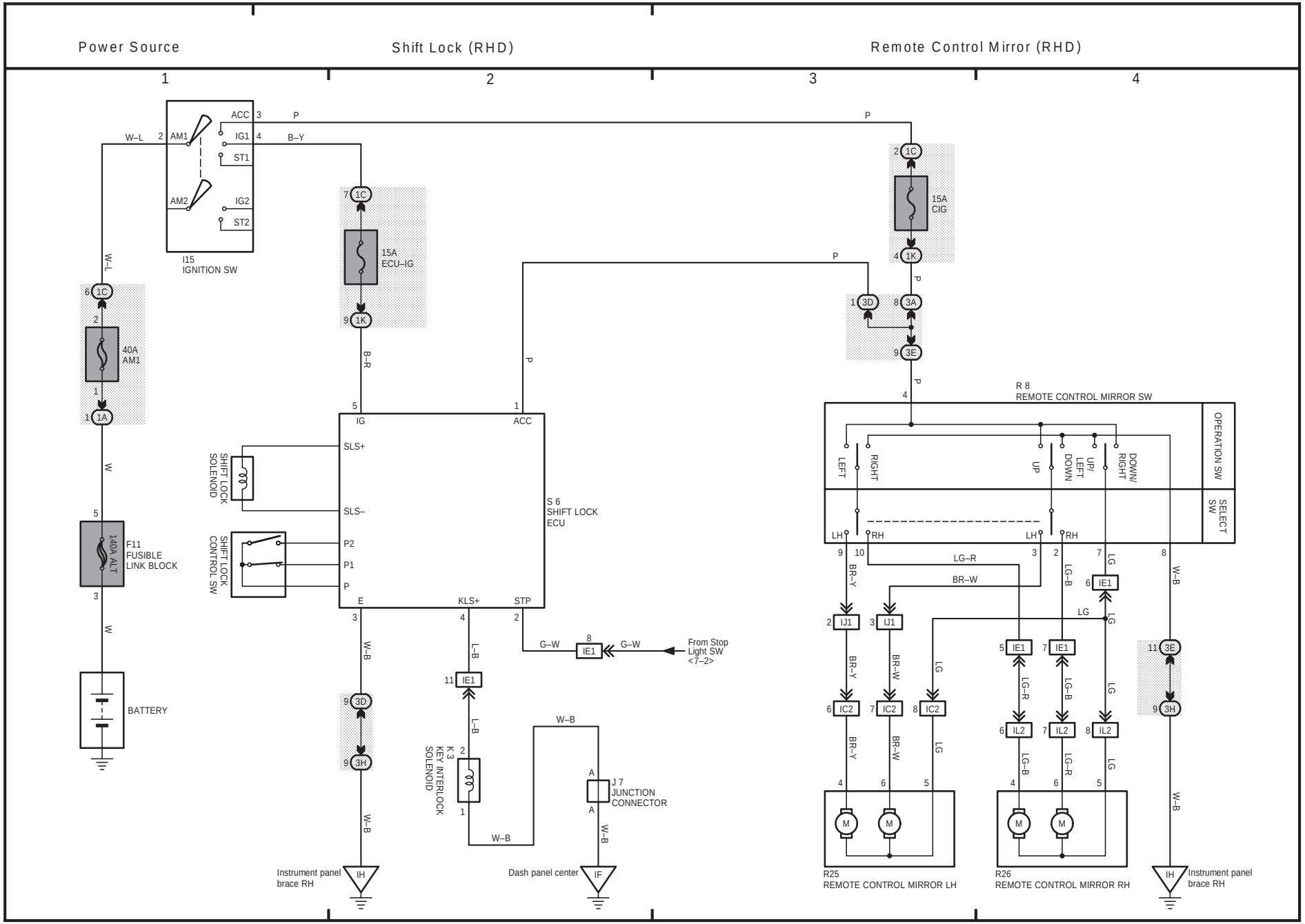


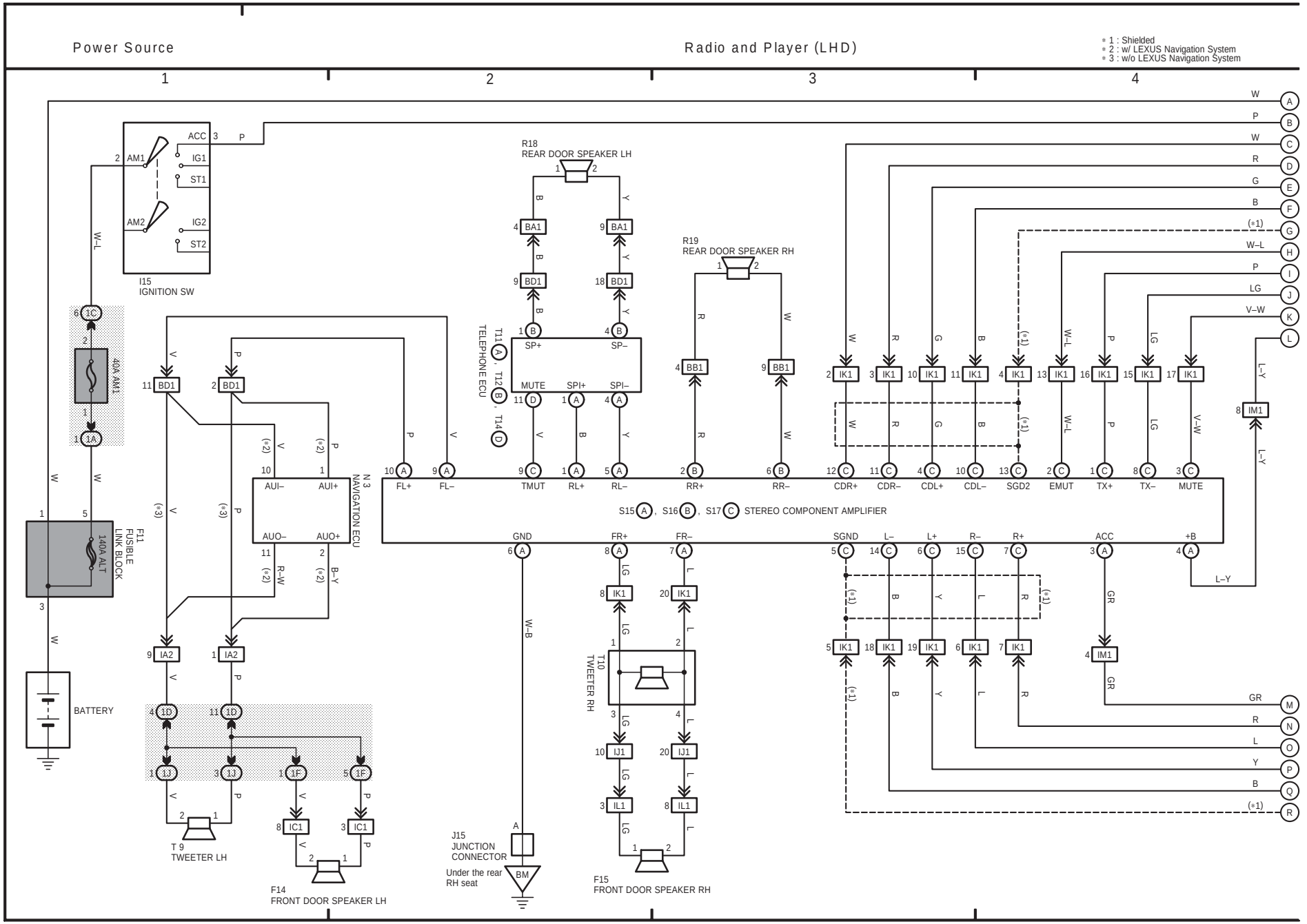

Multiplex Communication System (RHD)
29
30
31
32
A L–B
B W–R
C R–L
D Y
E W–L
F L–R
G W–L
H V
10 1G
6 1H
9 1D
3 1D
W–L
11 IA2
Y–R
5 IC1
7 IC1
10 IC1
4 IC1
9 IC1
9 IC2
D 5
DOOR COURTESY LIGHT
FRONT LH
L–B
G–W
DOOR LOCK
CONTROL SW
LOCK
UNLOCK
POWER WINDOW
CONTROL SW
UP
DOWN
AUTO
10 MPX1
7 PCT
11 MPX2
5 SIG
4 CYL
21 CTYB
18 CPUB
14 BDR
F17
FRONT PASSENGER DOOR ECU
GND
UP
DN
LMT
PLS
SGND
A+
A–
KL
KUL
LSW
LSWE
CTY
CTYE
25 W–B
1 R
15 G
8 LG
20 LG–B
12 LG–R
13 L–R
2 L–Y
6 P
19 P–L
16 GR
24 GR–R
17 R–W
23 R–B
12 IC1
M
LIMIT SW
PULSE SENSOR
LOCK
UNLOCK
P 7
POWER WINDOW MOTOR FRONT LH
D 7
DOOR LOCK MOTOR, DOOR COURTESY SW,
DOOR UNLOCK DETECTION SW AND
DOOR KEY LOCK AND UNLOCK SW FRONT LH
[DOOR LOCK MOTOR AND SW FRONT LH]
J 5
JUNCTION
CONNECTOR
A
IE
Cowl side panel LH
R–B

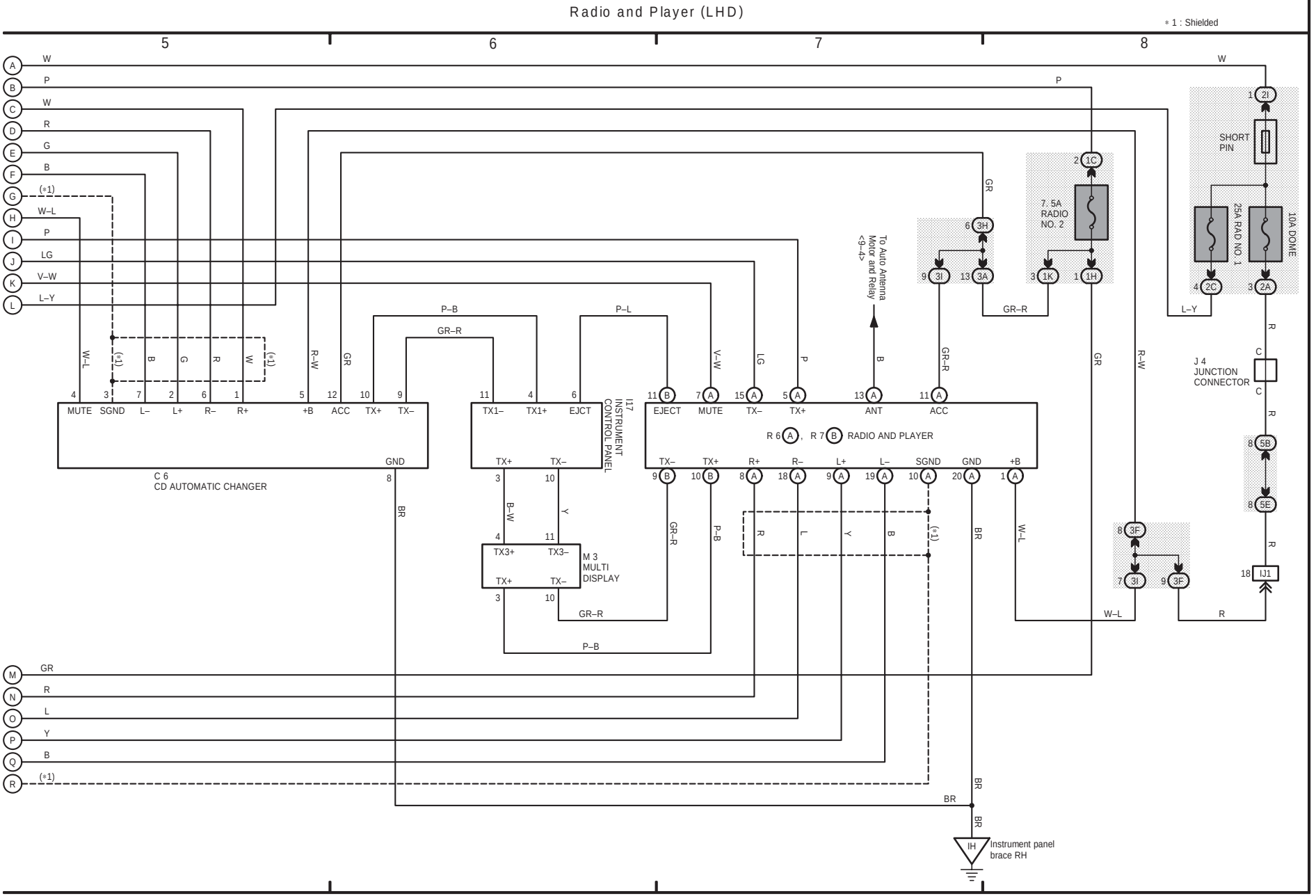

Power Source
Front Wiper and Washer (LHD)
1
2
3
4
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
B–Y
W–L
40A
AM1
F11
FUSIBLE LINK
BLOCK
140A ALT
BATTERY
25A
WIPER
20A
WASHER
L–W
L
L–B
L–R
F10
FRONT WIPER MOTOR
W–B
J 9
JUNCTION
CONNECTOR
Cowl side panel RH
EC1
W 2
WASHER
MOTOR
L–O
II1
C14
FRONT WIPER AND WASHER
[COMB. SW]
+2
+1
+S
+B
B1
IN1
IN2
WF
EW
OFF
INT
LOW
HIGH
WASHER
INT TIME
WIPER RELAY
J 7
JUNCTION
CONNECTOR
Dash panel center
IF

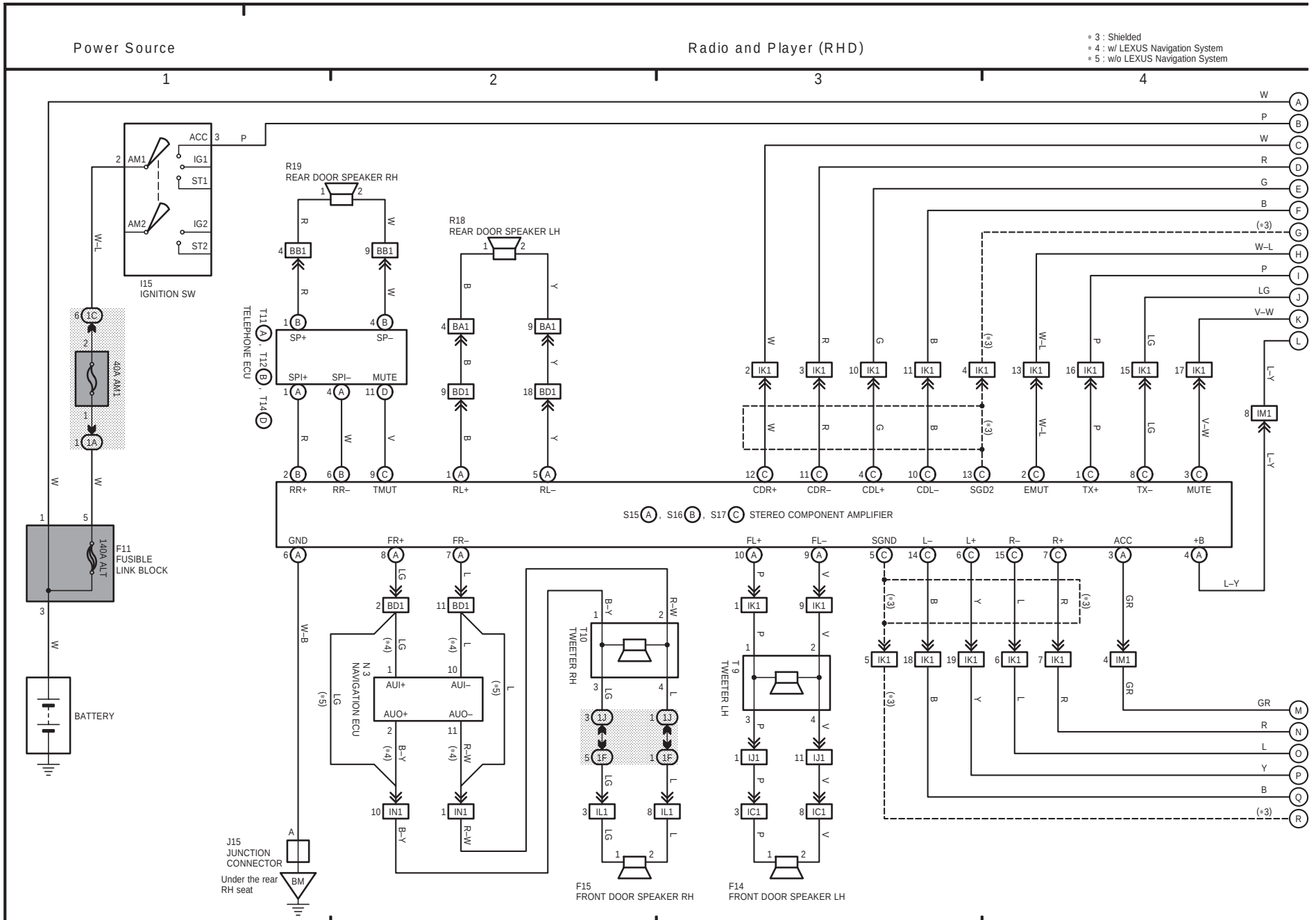

Power Source
Front Wiper and Washer (RHD)
1
2
3
4
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
B–Y
W–L
40A
AM1
F11
FUSIBLE LINK
BLOCK
140A ALT
W
BATTERY
25A
WIPER
20A
WASHER
L–W
L
L–B
L–R
L–O
W 2
WASHER
MOTOR
F10
FRONT WIPER MOTOR
W–B
C14
FRONT WIPER AND WASHER
[COMB. SW]
OFF
INT
LOW
HIGH
WASHER
INT TIME
WIPER RELAY
+2
+1
+S
+B
B1
IN1
IN2
WF
EW
J 9
JUNCTION
CONNECTOR
Cowl side panel RH
IG

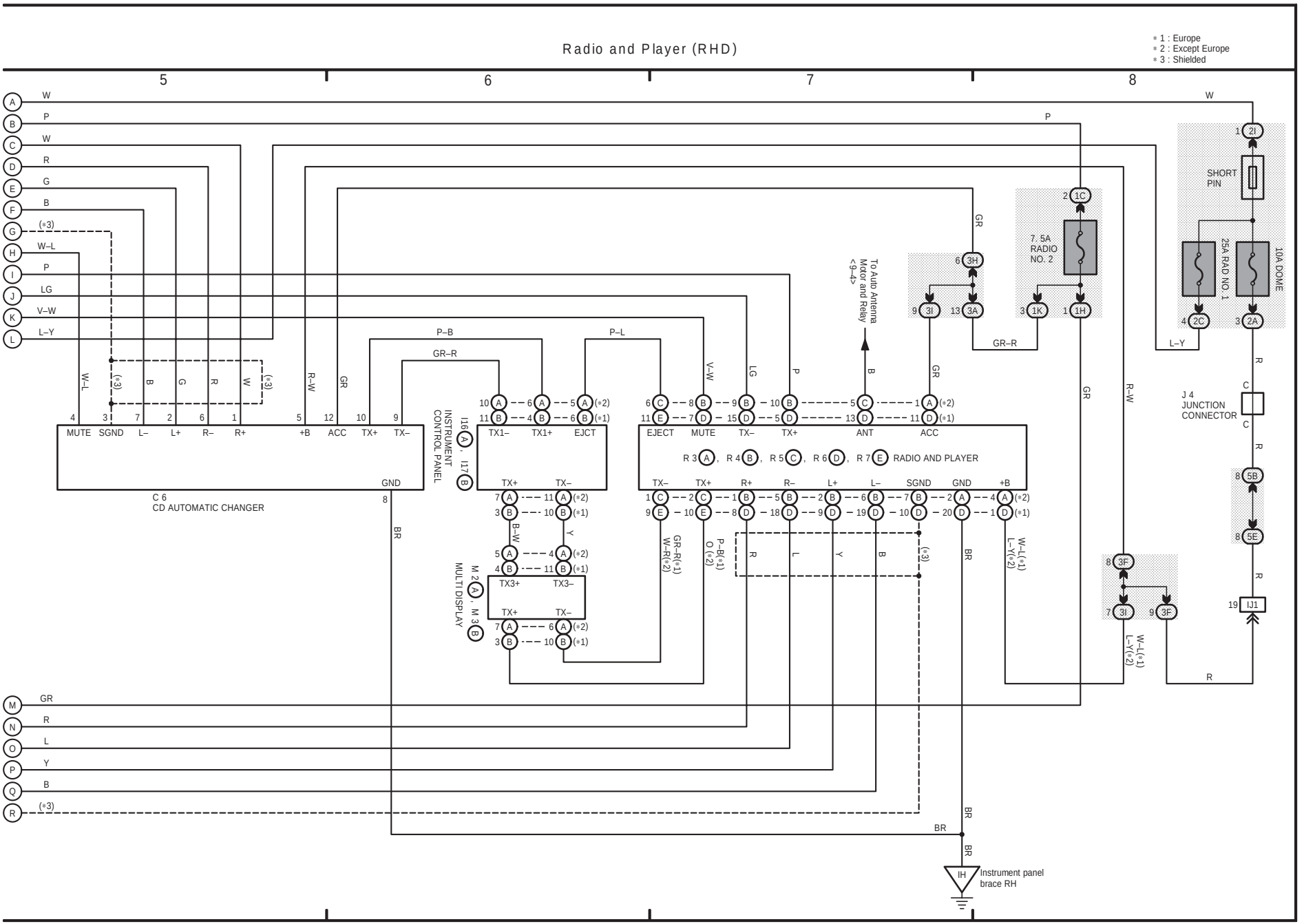

Power Source
Shift Lock (LHD)
Remote Control Mirror (LHD)
1
2
3
4
ACC
IG1
ST1
AM1
AM2
IG2
ST2
I15
IGNITION SW
W–L
B–Y
B–R
P
15A
ECU–IG
40A
AM1
140A ALT
F11
FUSIBLE
LINK BLOCK
BATTERY
W
IG
ACC
SLS+
SLS–
P2
P1
P
E
KLS+
STP
S 6
SHIFT LOCK
ECU
SHIFT LOCK
SOLENOID
SHIFT LOCK
CONTROL SW
L–W
G–W
From Stop
Light SW
<7–2>
K 3
KEY INTERLOCK
SOLENOID
W–B
J 7
JUNCTION
CONNECTOR
Instrument panel
brace RH
Dash panel center
IH
IF
15A
CIG
R 8
REMOTE CONTROL MIRROR SW
OPERATION SW
SELECT
SW
LEFT
RIGHT
UP
UP/
LEFT
DOWN
DOWN/
RIGHT
LH
RH
LG–R
BR–W
BR–Y
LG–B
LG
R25
REMOTE CONTROL MIRROR LH
R26
REMOTE CONTROL MIRROR RH
M

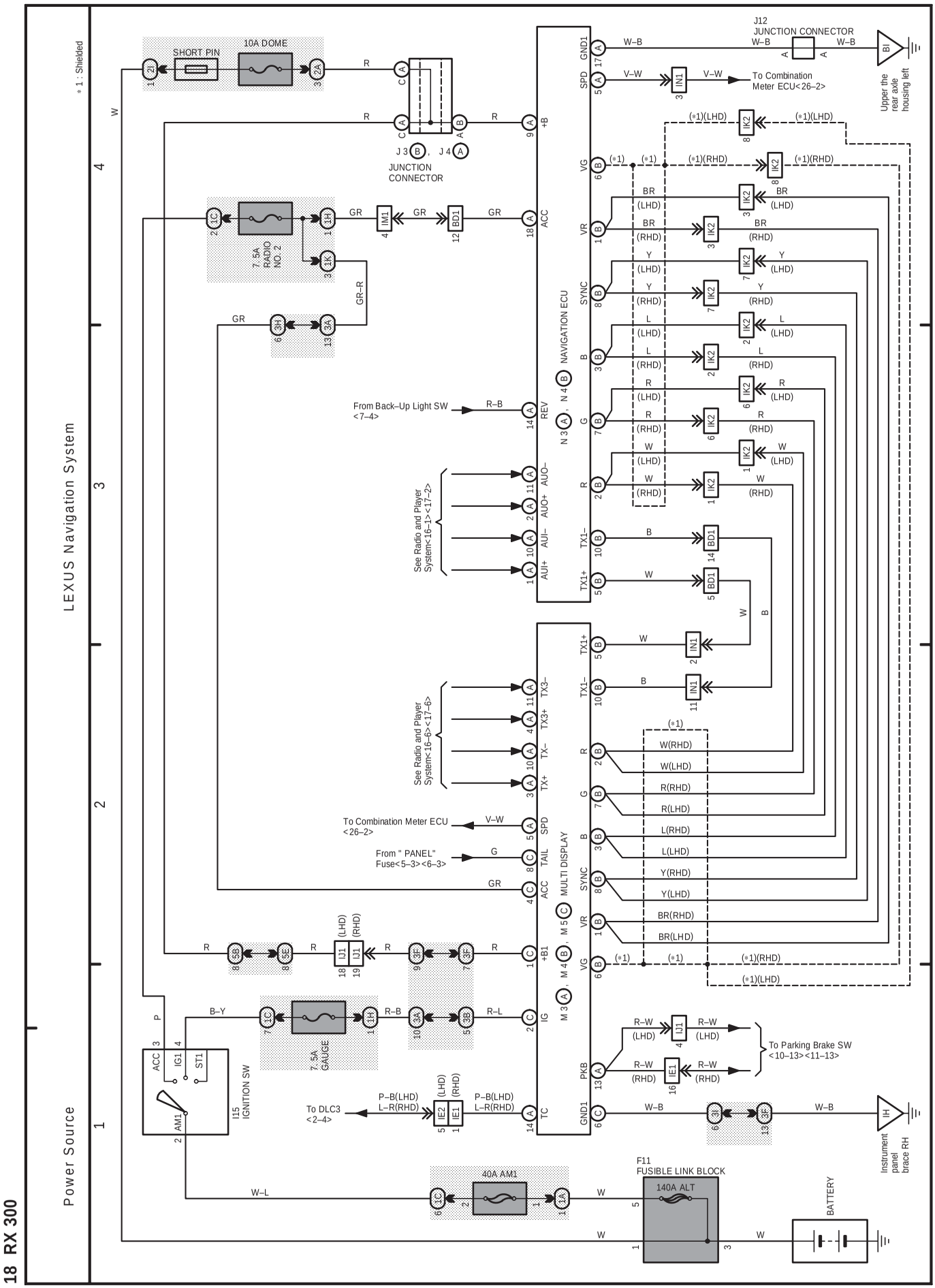

Power Source
Shift Lock (RHD)
Remote Control Mirror (RHD)
1
2
3
4
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
W–L
B–Y
P
15A
ECU–IG
40A
AM1
F11
FUSIBLE
LINK BLOCK
140A ALT
BATTERY
B–R
W
W–B
L–B
G–W
SHIFT LOCK
SOLENOID
SHIFT LOCK
CONTROL SW
S 6
SHIFT LOCK
ECU
IG
ACC
SLS+
SLS–
P2
P1
P
E
KLS+
STP
From Stop
Light SW
<7–2>
K 3
KEY INTERLOCK
SOLENOID
J 7
JUNCTION
CONNECTOR
Instrument panel
brace RH
Dash panel center
IH
IF
15A
CIG
R 8
REMOTE CONTROL MIRROR SW
OPERATION SW
SELECT
SW
LEFT
RIGHT
UP
UP/
LEFT
DOWN
DOWN/
RIGHT
LH
RH
LG–R
BR–W
BR–Y
LG–B
LG
R25
REMOTE CONTROL MIRROR LH
R26
REMOTE CONTROL MIRROR RH
Instrument panel
brace RH

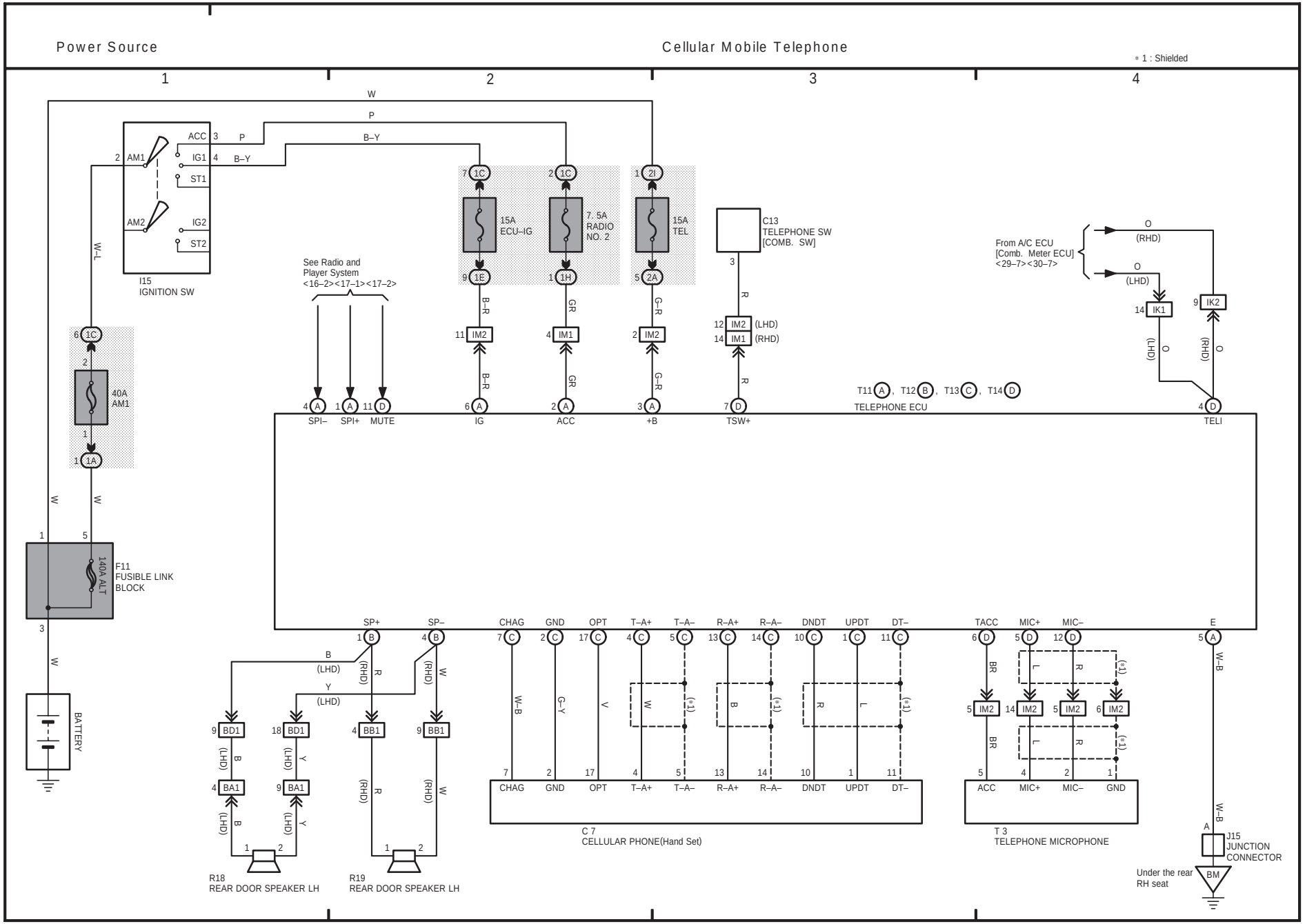

Power Source
Radio and Player (LHD)
1
2
3
4
* 1 : Shielded
* 2 : w/ LEXUS Navigation System
* 3 : w/o LEXUS Navigation System
I15
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
40A AM1
140A ALT
F11
FUSIBLE LINK BLOCK
BATTERY
R18
REAR DOOR SPEAKER LH
R19
REAR DOOR SPEAKER RH
T11 (A), T12 (B), T14 (D)
TELEPHONE ECU
SP+
SP–
MUTE
SPI+
SPI–
N 3
NAVIGATION ECU
AUI–
AUI+
AUO–
AUO+
S15 (A), S16 (B), S17 (C) STEREO COMPONENT AMPLIFIER
FL+
FL–
TMUT
RL+
RL–
RR+
RR–
CDR+
CDR–
CDL+
CDL–
SGD2
EMUT
TX+
TX–
MUTE
GND
FR+
FR–
SGND
L–
L+
R–
R+
ACC
+B
T 9
TWEETER LH
F14
FRONT DOOR SPEAKER LH
J15
JUNCTION CONNECTOR
Under the rear RH seat
T10
TWEETER RH
F15
FRONT DOOR SPEAKER RH

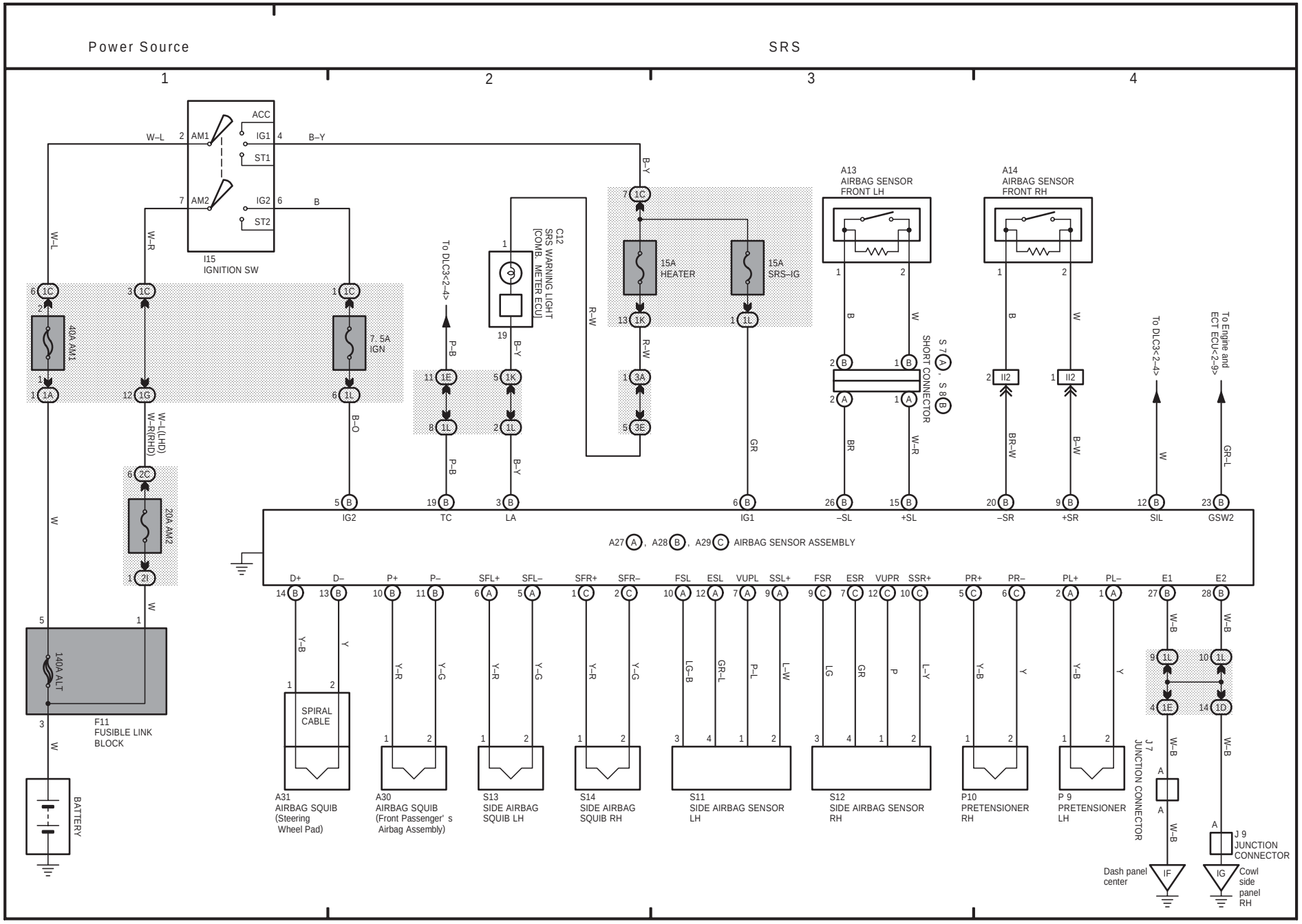

Radio and Player (LHD)
* 1 : Shielded
5
6
7
8
A W
B P
C W
D R
E G
F B
G (*1)
H W–L
I P
J LG
K V–W
L L–Y
M GR
N R
O L
P Y
Q B
R (*1)
MUTE SGND L– L+ R– R+ +B ACC TX+ TX–
C 6
CD AUTOMATIC CHANGER
GND
TX1– TX1+ EJCT
I17
INSTRUMENT
CONTROL PANEL
TX3+ TX3–
M 3
MULTI
DISPLAY
EJECT MUTE TX– TX+ ANT ACC
R 6 (A), R 7 (B) RADIO AND PLAYER
TX– TX+ R+ R– L+ L– SGND GND +B
To Auto Antenna
Motor and Relay
<9–4>
7. 5A
RADIO
NO. 2
SHORT
PIN
25A RAD NO. 1
10A DOME
J 4
JUNCTION
CONNECTOR
IH
Instrument panel
brace RH

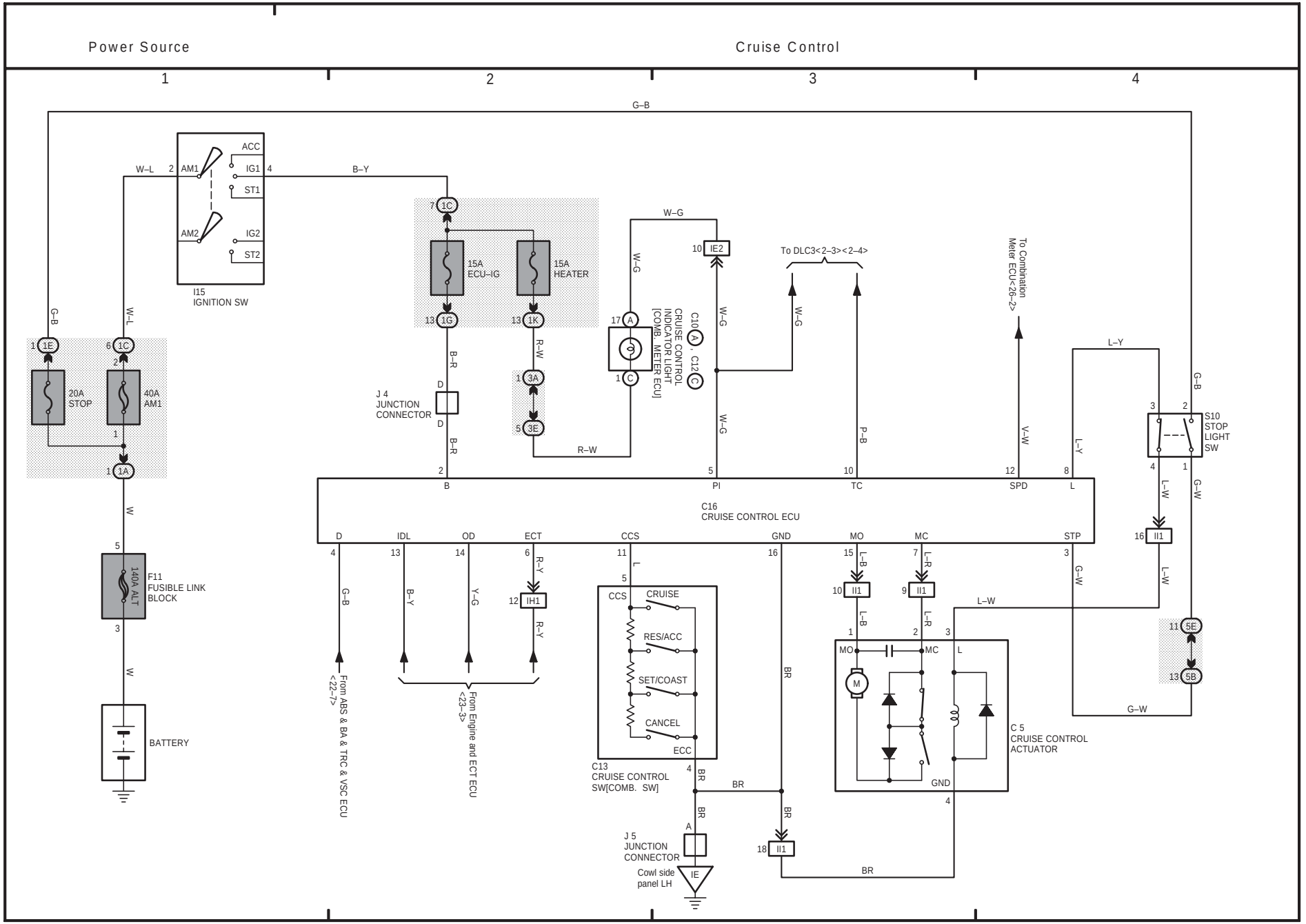

Power Source
Radio and Player (RHD)
* 3 : Shielded
* 4 : w/ LEXUS Navigation System
* 5 : w/o LEXUS Navigation System
1
2
3
4
I15
IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
40A AM1
140A ALT
F11
FUSIBLE
LINK BLOCK
BATTERY
R19
REAR DOOR SPEAKER RH
R18
REAR DOOR SPEAKER LH
T11 A , T12 B , T14 D
TELEPHONE ECU
SP+
SP–
SPI+
SPI–
MUTE
RR+
RR–
TMUT
RL+
RL–
S15 A , S16 B , S17 C STEREO COMPONENT AMPLIFIER
CDR+
CDR–
CDL+
CDL–
SGD2
EMUT
TX+
TX–
MUTE
GND
FR+
FR–
FL+
FL–
SGND
L–
L+
R–
R+
ACC
+B
N 3
NAVIGATION ECU
AUI+
AUI–
AUO+
AUO–
T10
TWEETER RH
T 9
TWEETER LH
F15
FRONT DOOR SPEAKER RH
F14
FRONT DOOR SPEAKER LH
J15
JUNCTION
CONNECTOR
Under the rear
RH seat
BM

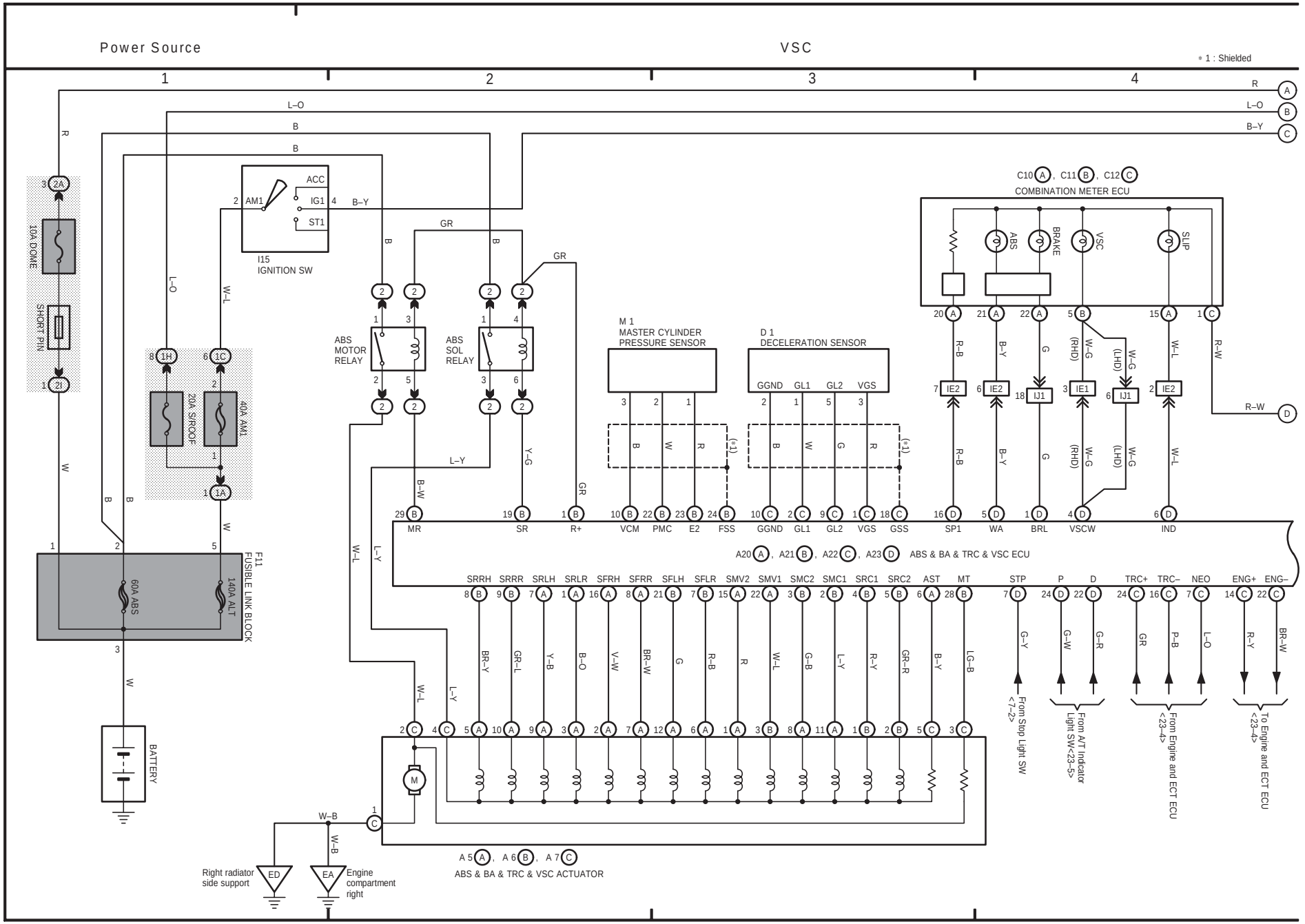

Radio and Player (RHD)
* 1 : Europe
* 2 : Except Europe
* 3 : Shielded
5
6
7
8
MUTE
SGND
L–
L+
R–
R+
+B
ACC
TX+
TX–
GND
C 6
CD AUTOMATIC CHANGER
INSTRUMENT CONTROL PANEL
I16, I17
TX1–
TX1+
EJCT
EJECT
MUTE
TX–
TX+
ANT
ACC
R 3, R 4, R 5, R 6, R 7 RADIO AND PLAYER
R+
SGND
GND
+B
MULTI DISPLAY
M 2, M 3
TX3+
TX3–
To Auto Antenna Motor and Relay <9–4>
7. 5A RADIO NO. 2
SHORT PIN
25A RAD NO. 1
10A DOME
J 4 JUNCTION CONNECTOR
IJ1
IH
Instrument panel brace RH
W–L
P–B
GR–R
P–L
V–W
LG
GR
R–W
L–Y
W–L(*1) L–Y(*2)
GR–R(*1) W–R(*2)
P–B(*1) O(*2)
B–W
BR

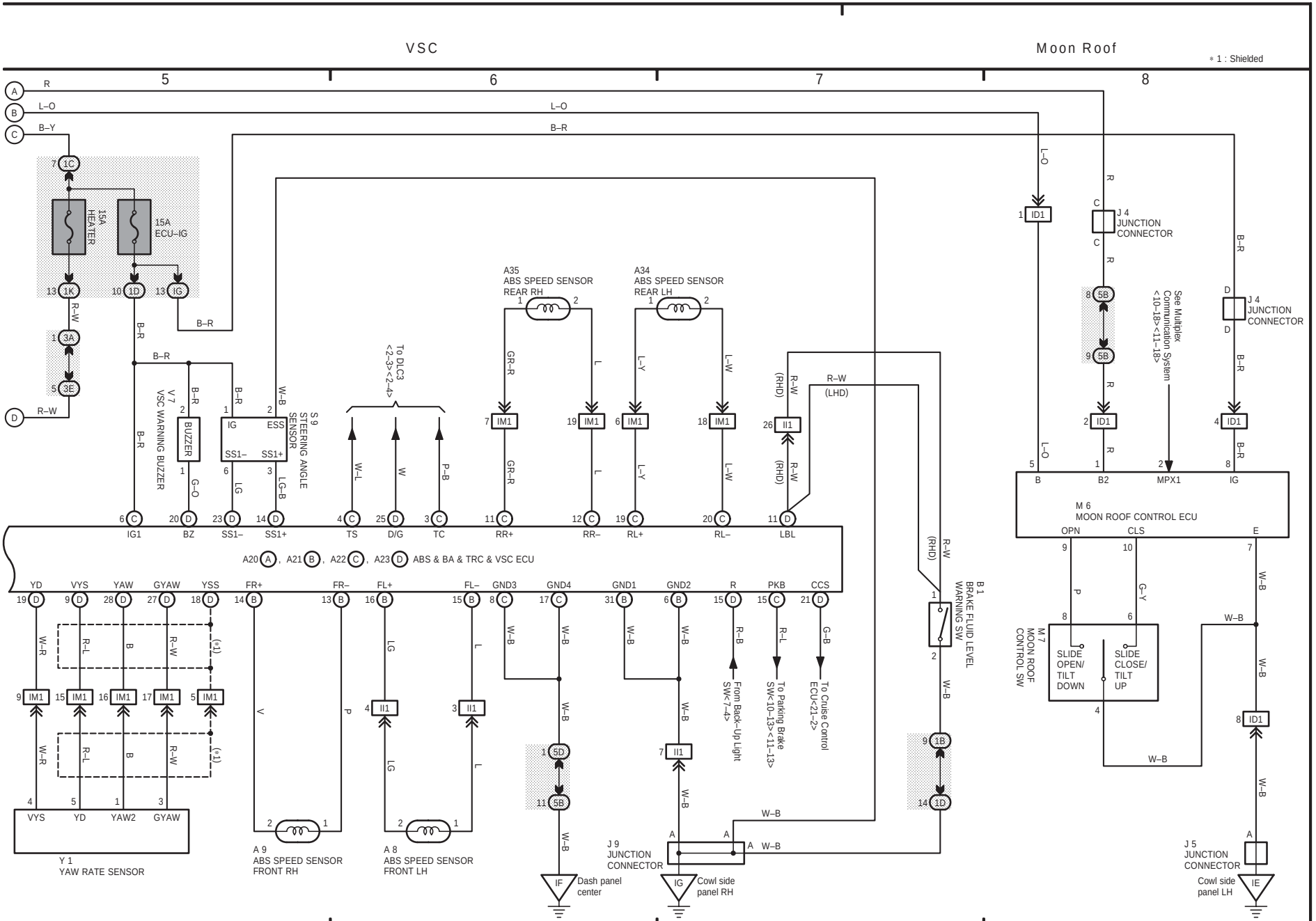

LEXUS Navigation System
Power Source
18 RX 300
* 1 : Shielded
SHORT PIN
10A DOME
J12 JUNCTION CONNECTOR
JUNCTION CONNECTOR
7.5A RADIO NO.2
7.5A GAUGE
40A AM1
140A ALT
F11 FUSIBLE LINK BLOCK
BATTERY
I15 IGNITION SW
NAVIGATION ECU
MULTI DISPLAY
To Combination Meter ECU<26–2>
To Parking Brake SW <10–13><11–13>
To DLC3 <2–4>
From Back–Up Light SW <7–4>
From " PANEL" Fuse<5–3><6–3>
To Combination Meter ECU <26–2>
See Radio and Player System<16–1><17–2>
See Radio and Player System<16–6><17–6>
Upper the rear axle housing left
Instrument panel brace RH


Power Source
Cellular Mobile Telephone
* 1 : Shielded
1
2
3
4
W
P
B–Y
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
W–L
15A
ECU–IG
7. 5A
RADIO
NO. 2
15A
TEL
C13
TELEPHONE SW
[COMB. SW]
See Radio and
Player System
<16–2><17–1><17–2>
From A/C ECU
[Comb. Meter ECU]
<29–7><30–7>
(RHD)
(LHD)
IK1
IK2
40A
AM1
F11
FUSIBLE LINK
BLOCK
140A ALT
BATTERY
SPI–
SPI+
MUTE
IG
ACC
+B
TSW+
TELEPHONE ECU
TELI
SP+
SP–
CHAG
GND
OPT
T–A+
T–A–
R–A+
R–A–
DNDT
UPDT
DT–
TACC
MIC+
MIC–
E
BD1
BA1
BB1
R18
REAR DOOR SPEAKER LH
R19
REAR DOOR SPEAKER LH
C 7
CELLULAR PHONE(Hand Set)
T 3
TELEPHONE MICROPHONE
J15
JUNCTION
CONNECTOR
Under the rear
RH seat
BM


Power Source
SRS
1
2
3
4
ACC
IG1
ST1
AM1
IG2
ST2
AM2
I15
IGNITION SW
W–L
W–R
B–Y
B
40A AM1
20A AM2
7. 5A
IGN
15A
HEATER
15A
SRS–IG
W–L(LHD)
W–R(RHD)
B–O
140A ALT
F11
FUSIBLE LINK
BLOCK
BATTERY
C12
SRS WARNING LIGHT
[COMB. METER ECU]
To DLC3<2–4>
P–B
R–W
GR
A13
AIRBAG SENSOR
FRONT LH
A14
AIRBAG SENSOR
FRONT RH
S 7
S 8
SHORT CONNECTOR
BR
W–R
BR–W
B–W
W
To Engine and
ECT ECU<2–9>
GR–L
IG2
TC
LA
IG1
–SL
+SL
–SR
+SR
SIL
GSW2
A27 , A28 , A29 AIRBAG SENSOR ASSEMBLY
D+
D–
P+
P–
SFL+
SFL–
SFR+
SFR–
FSL
ESL
VUPL
SSL+
FSR
ESR
VUPR
SSR+
PR+
PR–
PL+
PL–
E1
E2
Y–B
Y
Y–R
Y–G
LG–B
GR–L
P–L
L–W
LG
GR
P
L–Y
W–B
SPIRAL
CABLE
A31
AIRBAG SQUIB
(Steering
Wheel Pad)
A30
AIRBAG SQUIB
(Front Passenger' s
Airbag Assembly)
S13
SIDE AIRBAG
SQUIB LH
S14
SIDE AIRBAG
SQUIB RH
S11
SIDE AIRBAG SENSOR
LH
S12
SIDE AIRBAG SENSOR
RH
P10
PRETENSIONER
RH
P 9
PRETENSIONER
LH
J7
JUNCTION CONNECTOR
J 9
JUNCTION
CONNECTOR
Dash panel
center
IF
IG
Cowl
side
panel
RH

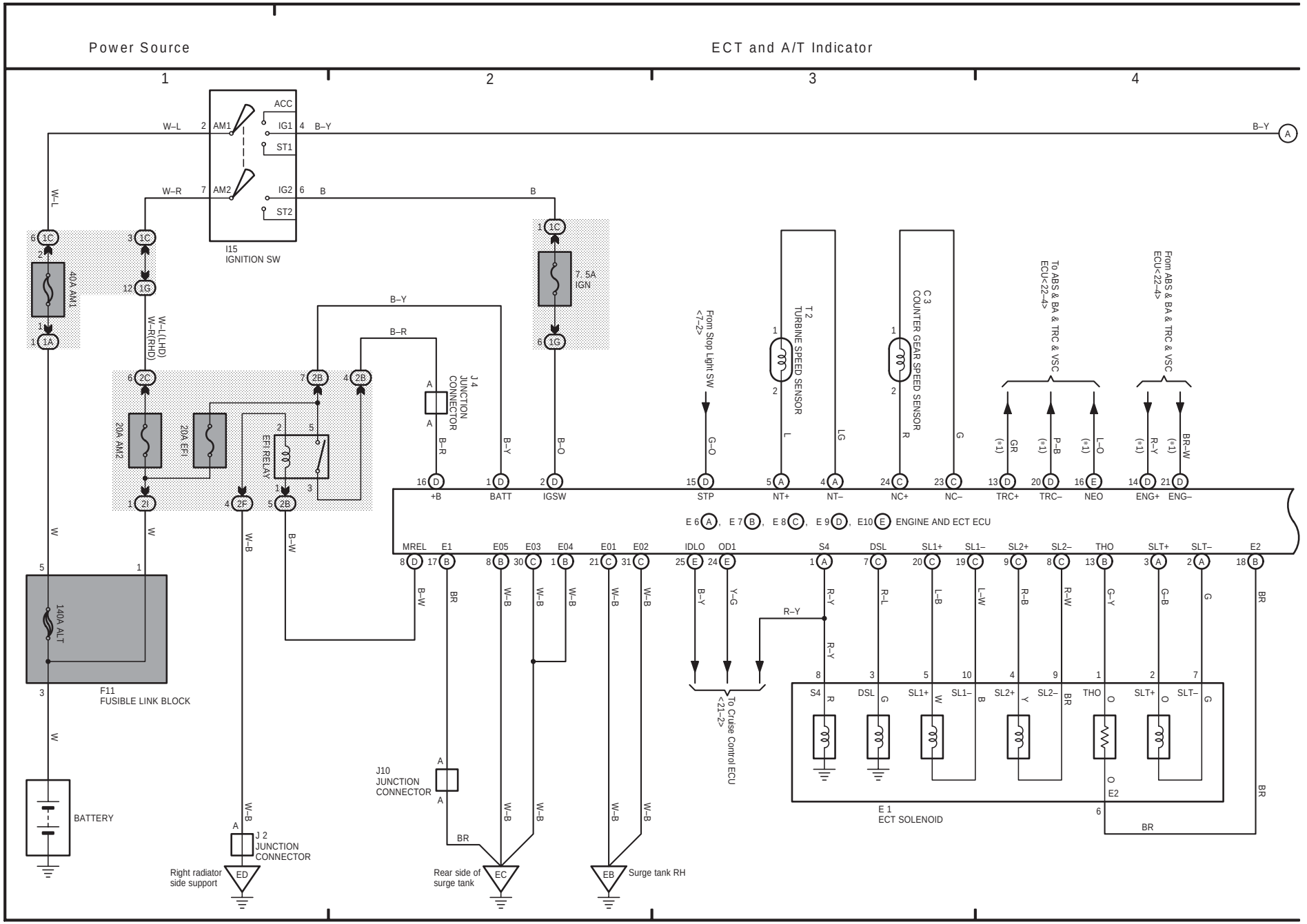

Power Source
Cruise Control
1
2
3
4
G–B
W–L
B–Y
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
15A
ECU–IG
15A
HEATER
20A
STOP
40A
AM1
F11
FUSIBLE LINK
BLOCK
140A ALT
BATTERY
J 4
JUNCTION
CONNECTOR
B–R
R–W
W–G
CRUISE CONTROL
INDICATOR LIGHT
[COMB. METER ECU]
C10
C12
To DLC3<2–3><2–4>
To Combination
Meter ECU<26–2>
V–W
P–B
L–Y
S10
STOP
LIGHT
SW
L–W
G–W
C16
CRUISE CONTROL ECU
B
PI
TC
SPD
L
STP
D
IDL
OD
ECT
CCS
GND
MO
MC
R–Y
L
L–B
L–R
BR
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
C13
CRUISE CONTROL
SW[COMB. SW]
C 5
CRUISE CONTROL
ACTUATOR
M
J 5
JUNCTION
CONNECTOR
Cowl side
panel LH
IE
From ABS & BA & TRC & VSC ECU
<22–7>
From Engine and ECT ECU
<23–3>

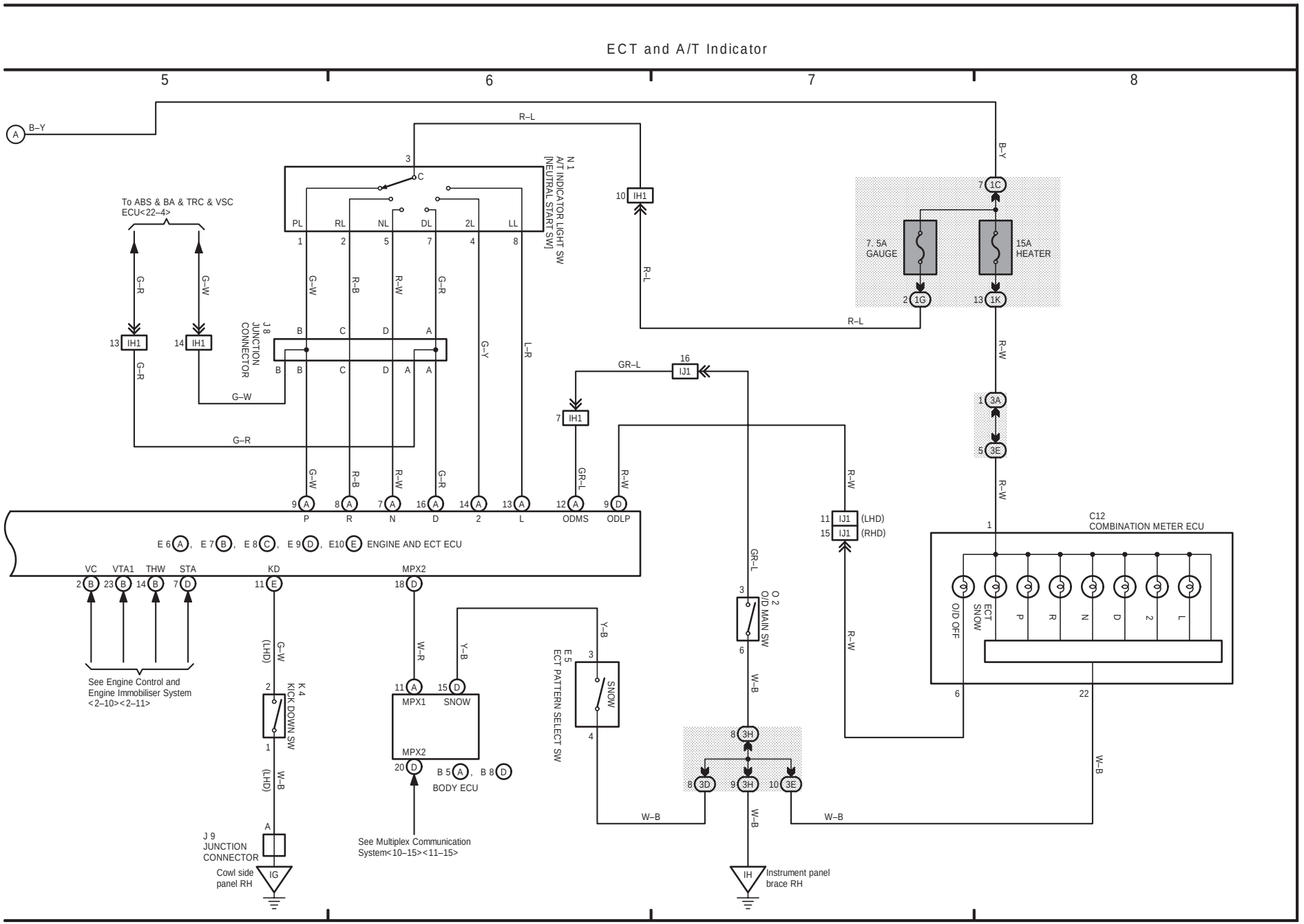

Power Source
VSC
1
2
3
4
* 1 : Shielded
10A DOME
SHORT PIN
I15
IGNITION SW
ACC
IG1
ST1
AM1
ABS
MOTOR
RELAY
ABS
SOL
RELAY
20A S/ROOF
40A AM1
F11
FUSIBLE LINK BLOCK
60A ABS
140A ALT
BATTERY
M 1
MASTER CYLINDER
PRESSURE SENSOR
D 1
DECELERATION SENSOR
C10 A , C11 B , C12 C
COMBINATION METER ECU
ABS
BRAKE
VSC
SLIP
MR
SR
R+
VCM
PMC
E2
FSS
GGND
GL1
GL2
VGS
GSS
SP1
WA
BRL
VSCW
IND
A20 A , A21 B , A22 C , A23 D ABS & BA & TRC & VSC ECU
SRRH
SRRR
SRLH
SRLR
SFRH
SFRR
SFLH
SFLR
SMV2
SMV1
SMC2
SMC1
SRC1
SRC2
AST
MT
STP
P
D
TRC+
TRC–
NEO
ENG+
ENG–
From Stop Light SW <7–2>
From A/T Indicator Light SW<23–5>
From Engine and ECT ECU <23–4>
To Engine and ECT ECU <23–4>
A 5 A , A 6 B , A 7 C
ABS & BA & TRC & VSC ACTUATOR
Right radiator side support
ED
EA
Engine compartment right

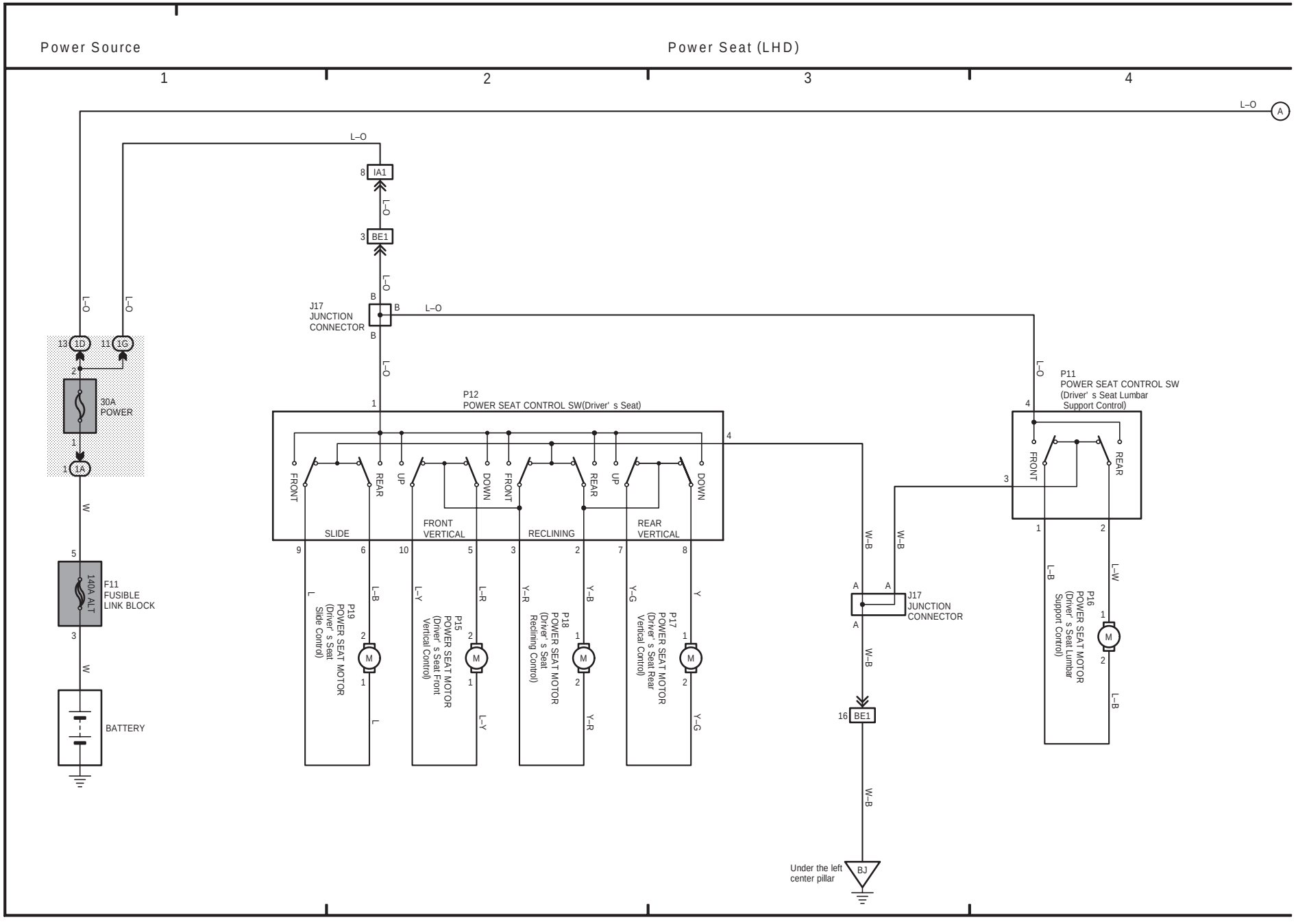

VSC
Moon Roof
* 1 : Shielded
5
6
7
8
15A HEATER
15A ECU–IG
V 7 VSC WARNING BUZZER
S 9 STEERING ANGLE SENSOR
To DLC3 <2–3><2–4>
A35 ABS SPEED SENSOR REAR RH
A34 ABS SPEED SENSOR REAR LH
J 4 JUNCTION CONNECTOR
See Multiplex Communication System <10–18><11–18>
M 6 MOON ROOM CONTROL ECU
M 7 MOON ROOF CONTROL SW
SLIDE OPEN/ TILT DOWN
SLIDE CLOSE/ TILT UP
B 1 BRAKE FLUID LEVEL WARNING SW
IG1
BZ
SS1–
SS1+
TS
D/G
TC
RR+
RR–
RL+
RL–
LBL
A20 (A), A21 (B), A22 (C), A23 (D) ABS & BA & TRC & VSC ECU
YD
VYS
YAW
GYAW
YSS
FR+
FR–
FL+
FL–
GND3
GND4
GND1
GND2
R
PKB
CCS
Y 1 YAW RATE SENSOR
A 9 ABS SPEED SENSOR FRONT RH
A 8 ABS SPEED SENSOR FRONT LH
J 9 JUNCTION CONNECTOR
J 5 JUNCTION CONNECTOR
From Back–Up Light SW<7–4>
To Parking Brake SW<10–13><11–13>
To Cruise Control ECU<21–2>
Dash panel center
Cowl side panel RH
Cowl side panel LH

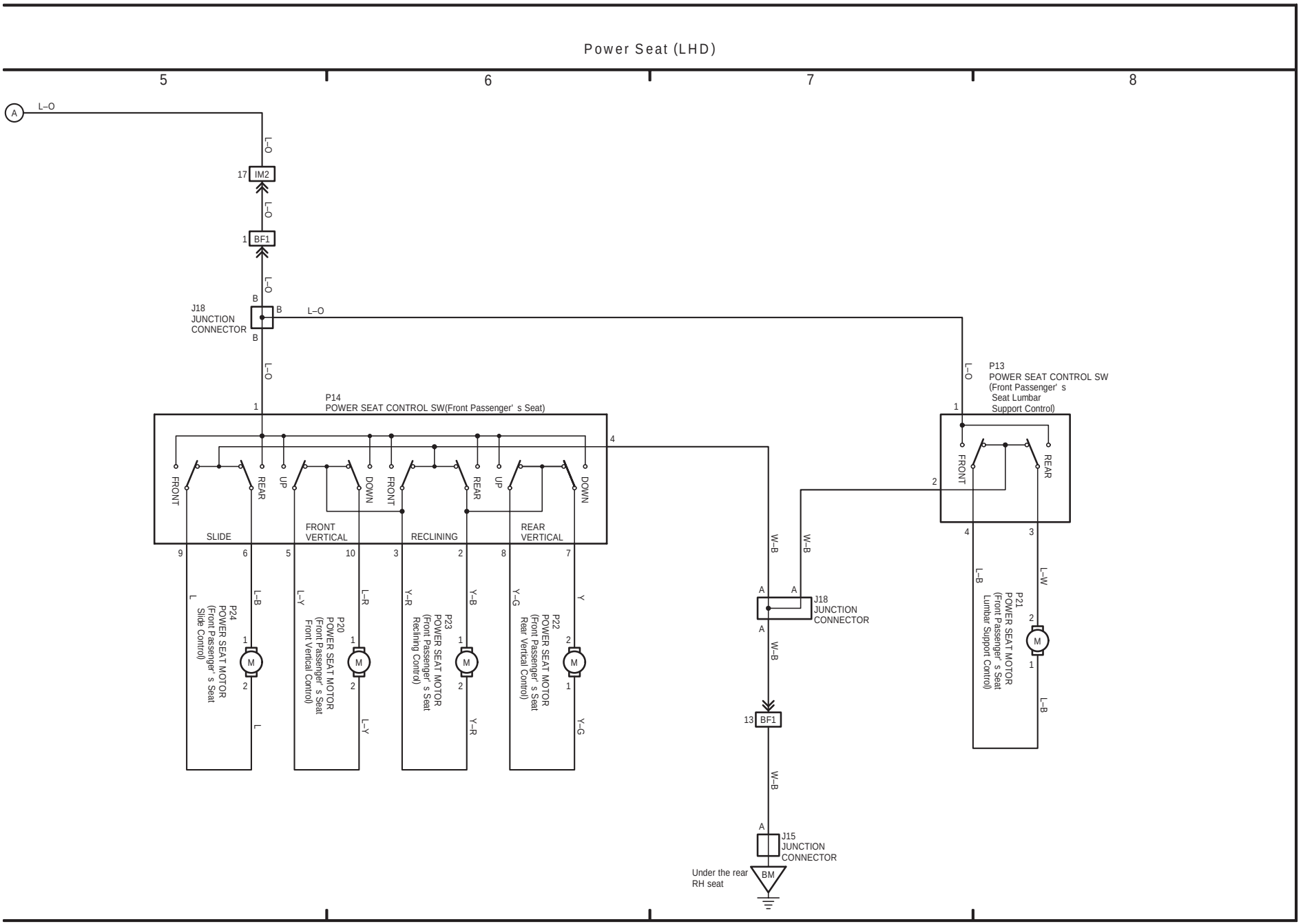
23 RX 300

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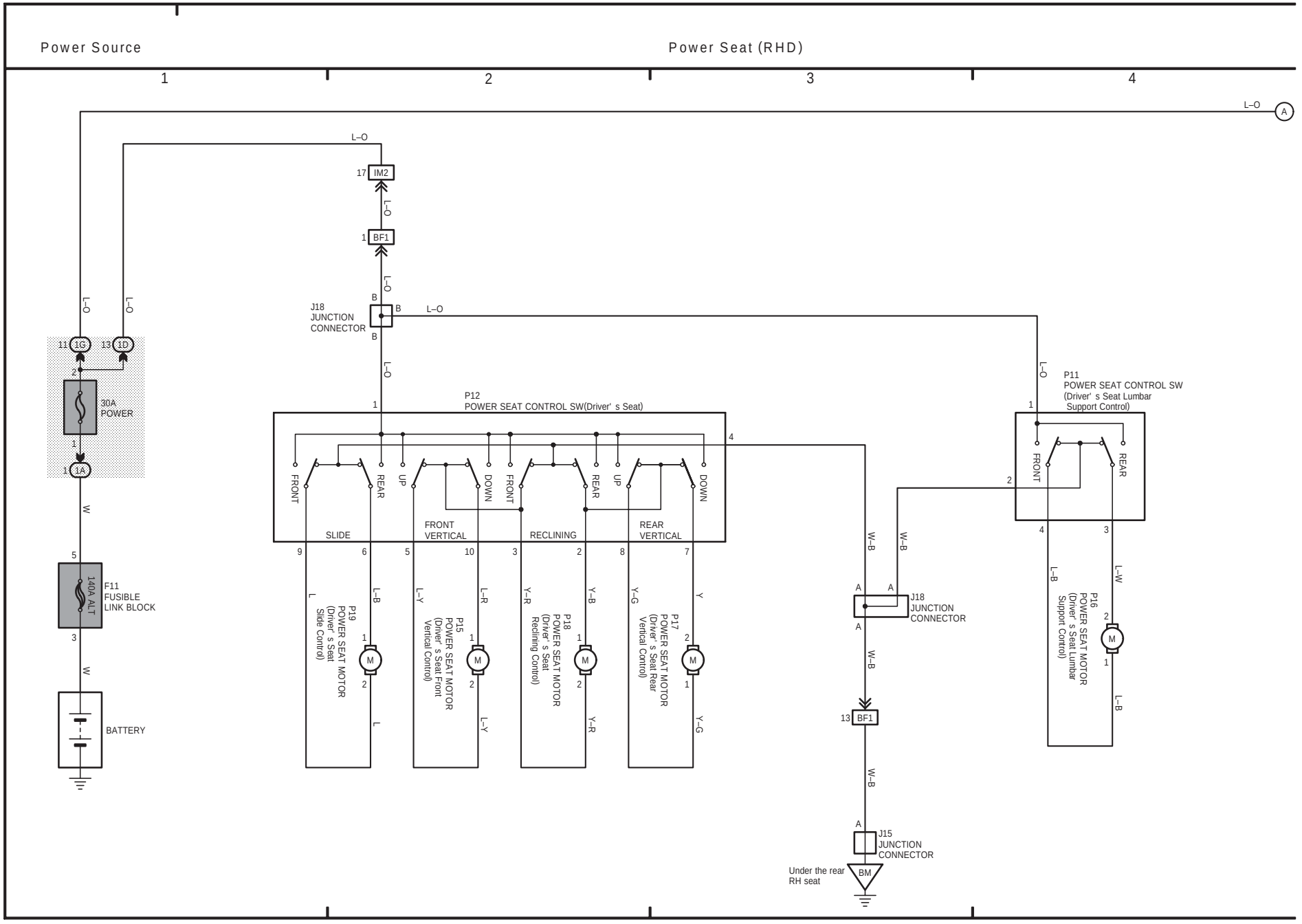

ECT and A/T Indicator
5
6
7
8
A B–Y
R–L
B–Y
3
C
N 1
A/T INDICATOR LIGHT SW
[NEUTRAL START SW]
PL RL NL DL 2L LL
1 2 5 7 4 8
10 IH1
7 1C
7.5A GAUGE
15A HEATER
2 1G
13 1K
To ABS & BA & TRC & VSC ECU<22–4>
G–R
G–W
13 IH1
14 IH1
J8 JUNCTION CONNECTOR
B C D A
B B C D A A
G–W
G–R
G–Y
L–R
R–B
R–W
GR–L
16 IJ1
7 IH1
R–W
1 3A
5 3E
9 A P
8 A R
7 A N
16 A D
14 A 2
13 A L
12 A ODMS
9 D ODLP
11 IJ1 (LHD)
15 IJ1 (RHD)
C12
COMBINATION METER ECU
E 6 A, E 7 B, E 8 C, E 9 D, E10 E ENGINE AND ECT ECU
VC VTA1 THW STA
2 B 23 B 14 B 7 D
KD
11 E
MPX2
18 D
O 2
O/D MAIN SW
3
6
W–B
Y–B
W–R
E 5
ECT PATTERN SELECT SW
SNOW
O/D OFF
ECT SNOW
P R N D 2 L
6
22
See Engine Control and Engine Immobiliser System <2–10><2–11>
K 4
KICK DOWN SW
(LHD)
G–W
2
1
W–B
11 A MPX1
15 D SNOW
MPX2
20 D
B 5 A, B 8 D
BODY ECU
8 3H
8 3D 9 3H 10 3E
W–B
J 9
JUNCTION CONNECTOR
A
Cowl side panel RH
IG
See Multiplex Communication System<10–15><11–15>
IH
Instrument panel brace RH

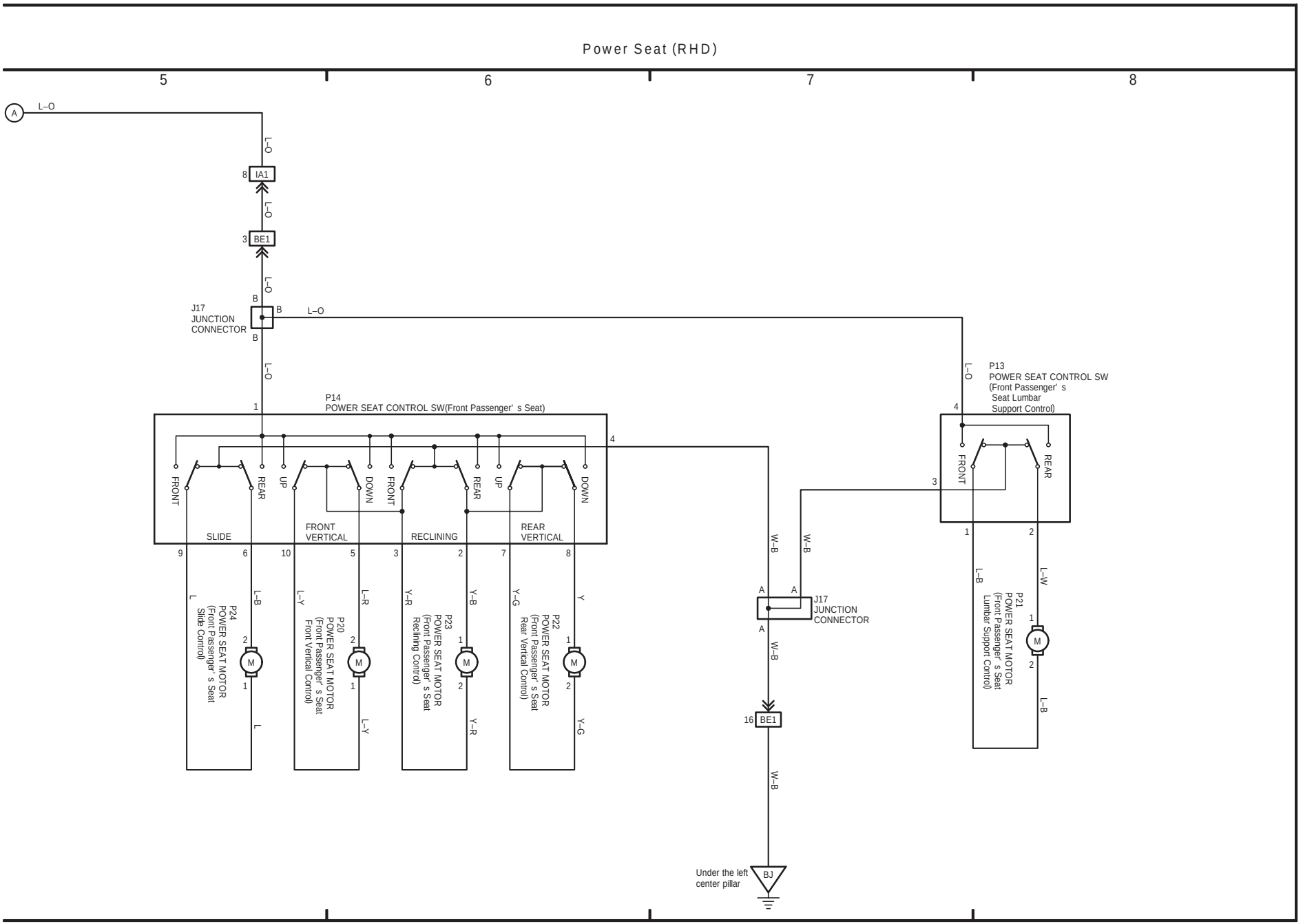

Power Source
Power Seat (LHD)
1
2
3
4
L–O
A
8 IA1
3 BE1
B
J17
JUNCTION
CONNECTOR
13 1D
11 1G
2
30A
POWER
1
1 1A
W
5
140A ALT
F11
FUSIBLE
LINK BLOCK
3
BATTERY
P12
POWER SEAT CONTROL SW(Driver' s Seat)
FRONT
REAR
UP
DOWN
SLIDE
FRONT
VERTICAL
RECLINING
REAR
VERTICAL
P19
POWER SEAT MOTOR
(Driver' s Seat
Slide Control)
P15
POWER SEAT MOTOR
(Driver' s Seat Front
Vertical Control)
P18
POWER SEAT MOTOR
(Driver' s Seat
Reclining Control)
P17
POWER SEAT MOTOR
(Driver' s Seat Rear
Vertical Control)
P11
POWER SEAT CONTROL SW
(Driver' s Seat Lumbar
Support Control)
P16
POWER SEAT MOTOR
(Driver' s Seat Lumbar
Support Control)
W–B
J17
JUNCTION
CONNECTOR
16 BE1
Under the left
center pillar
BJ


Power Seat (LHD)
5
6
7
8
A
L–O
17 IM2
1 BF1
B
J18
JUNCTION
CONNECTOR
P14
POWER SEAT CONTROL SW(Front Passenger' s Seat)
FRONT
REAR
UP
DOWN
SLIDE
FRONT
VERTICAL
RECLINING
REAR
VERTICAL
P24
POWER SEAT MOTOR
(Front Passenger' s Seat
Slide Control)
P20
POWER SEAT MOTOR
(Front Passenger' s Seat
Front Vertical Control)
P23
POWER SEAT MOTOR
(Front Passenger' s Seat
Reclining Control)
P22
POWER SEAT MOTOR
(Front Passenger' s Seat
Rear Vertical Control)
P13
POWER SEAT CONTROL SW
(Front Passenger' s
Seat Lumbar
Support Control)
P21
POWER SEAT MOTOR
(Front Passenger' s Seat
Lumbar Support Control)
J18
JUNCTION
CONNECTOR
13 BF1
J15
JUNCTION
CONNECTOR
Under the rear
RH seat
BM

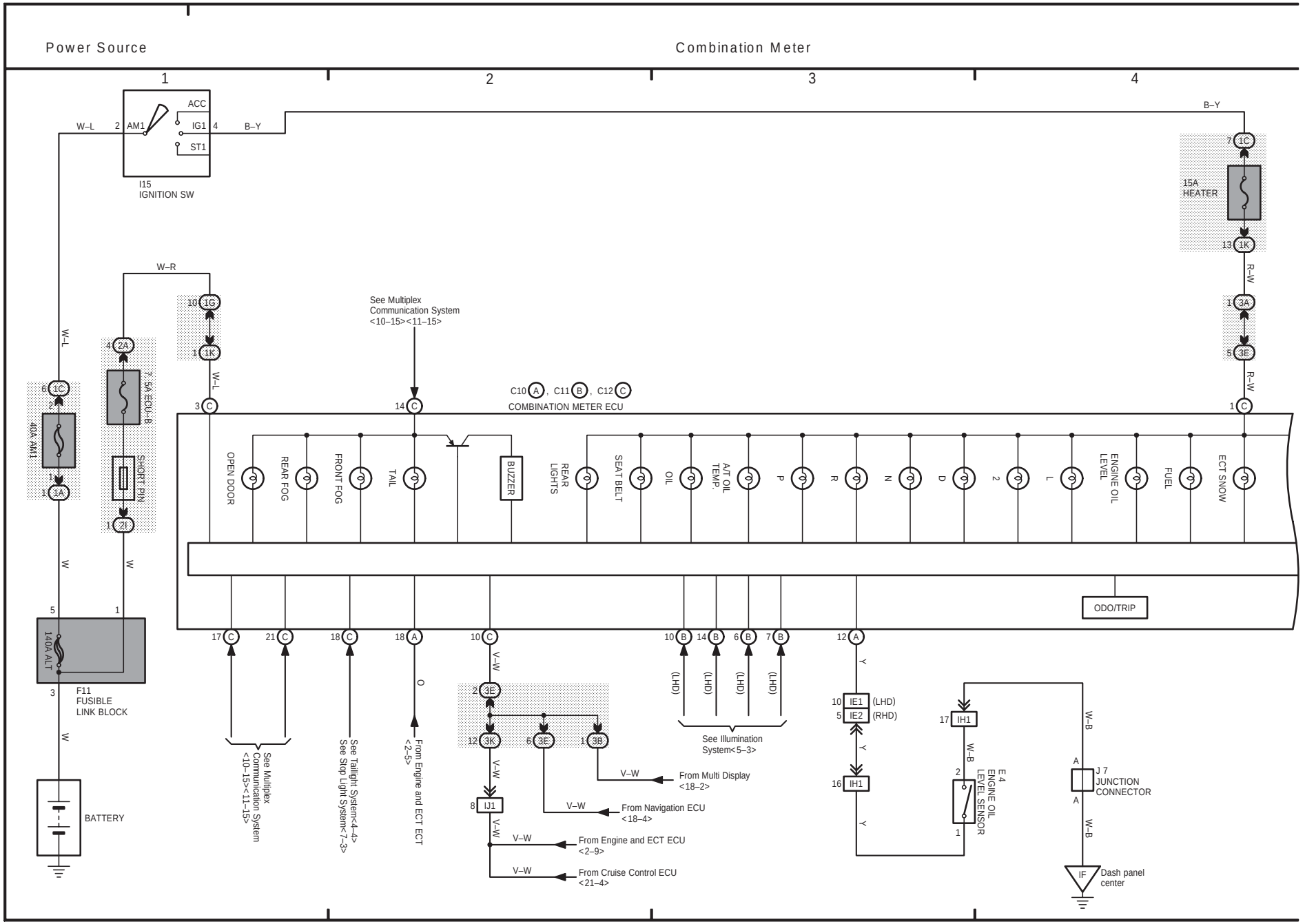
25 RX 300

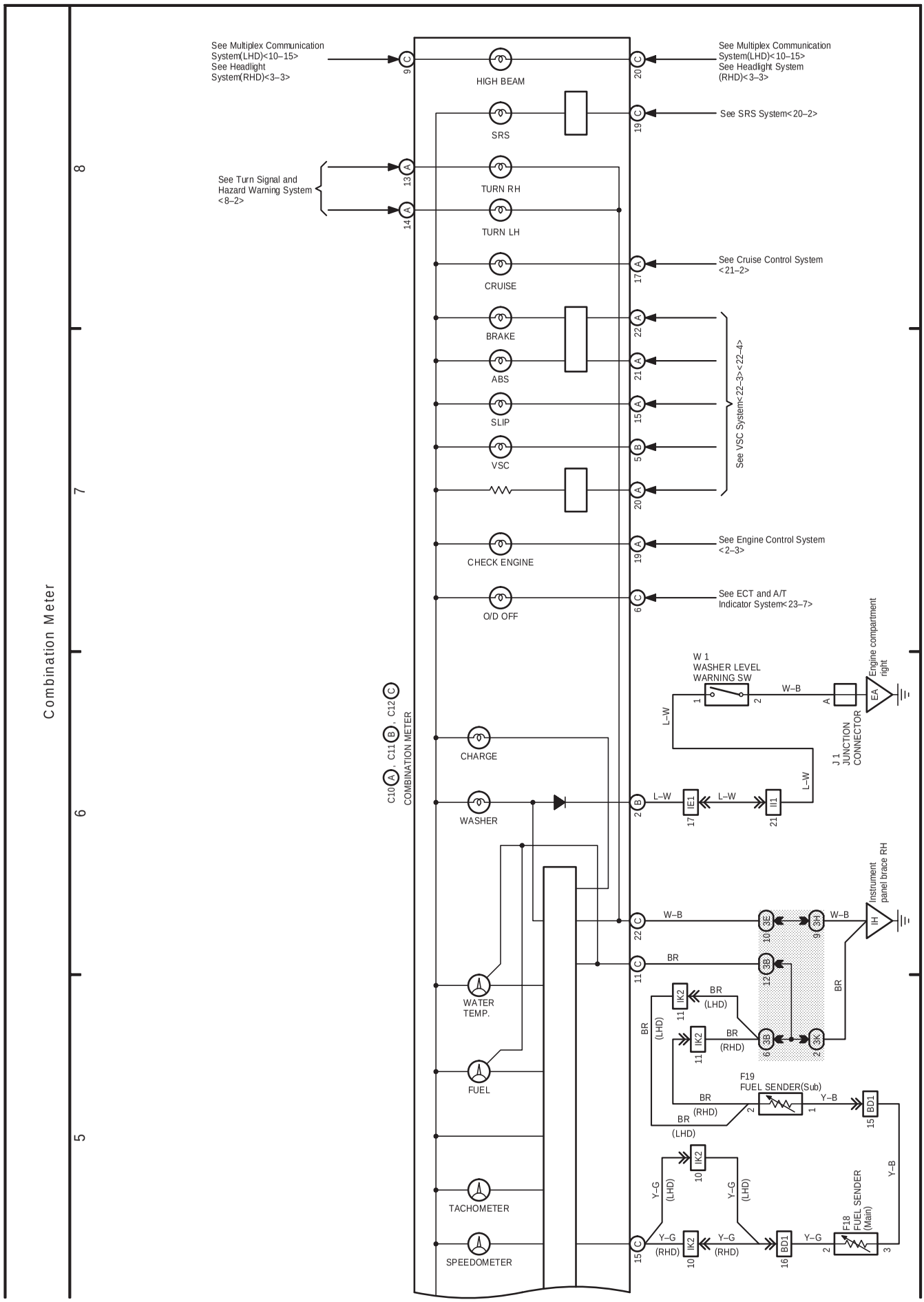
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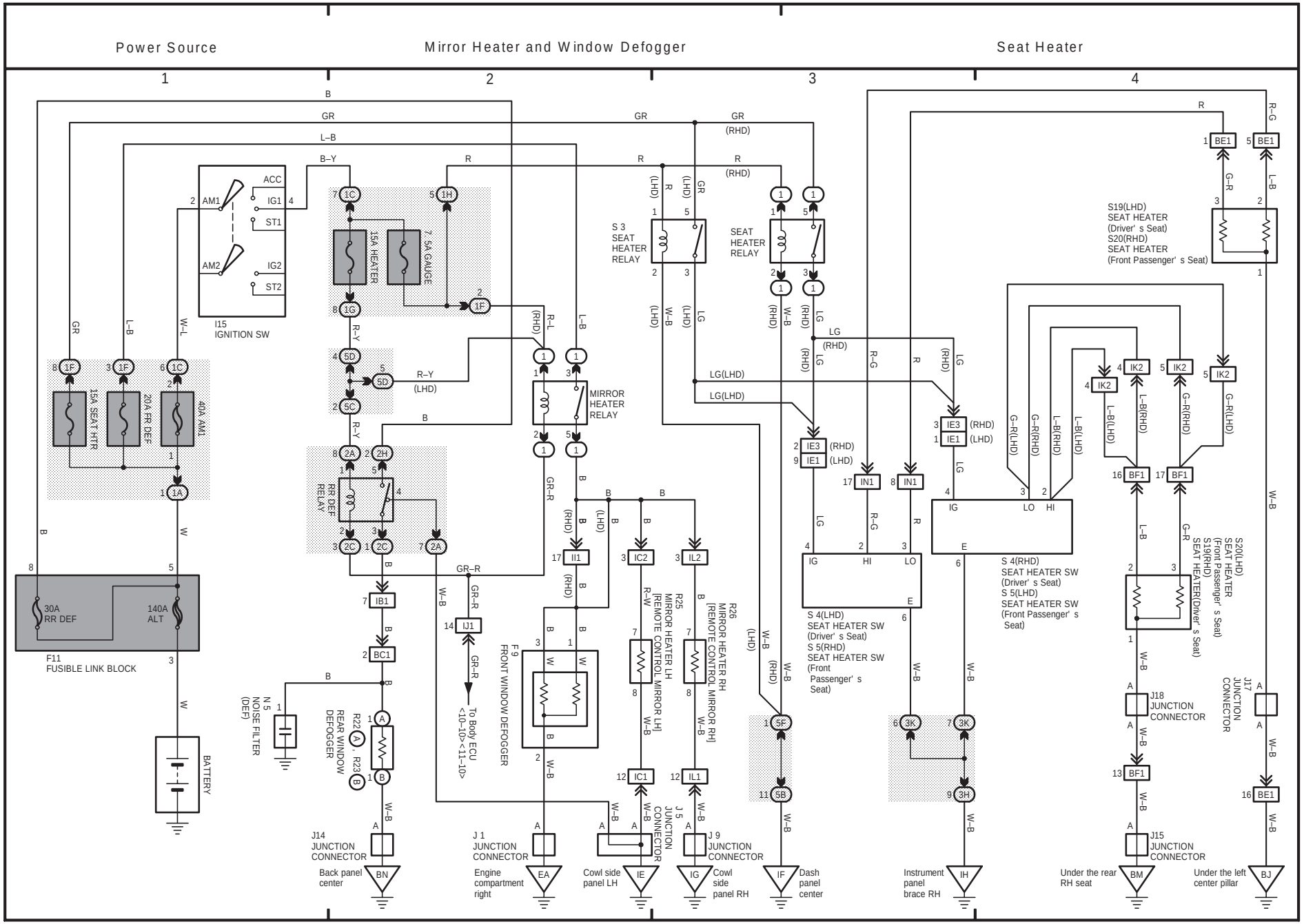


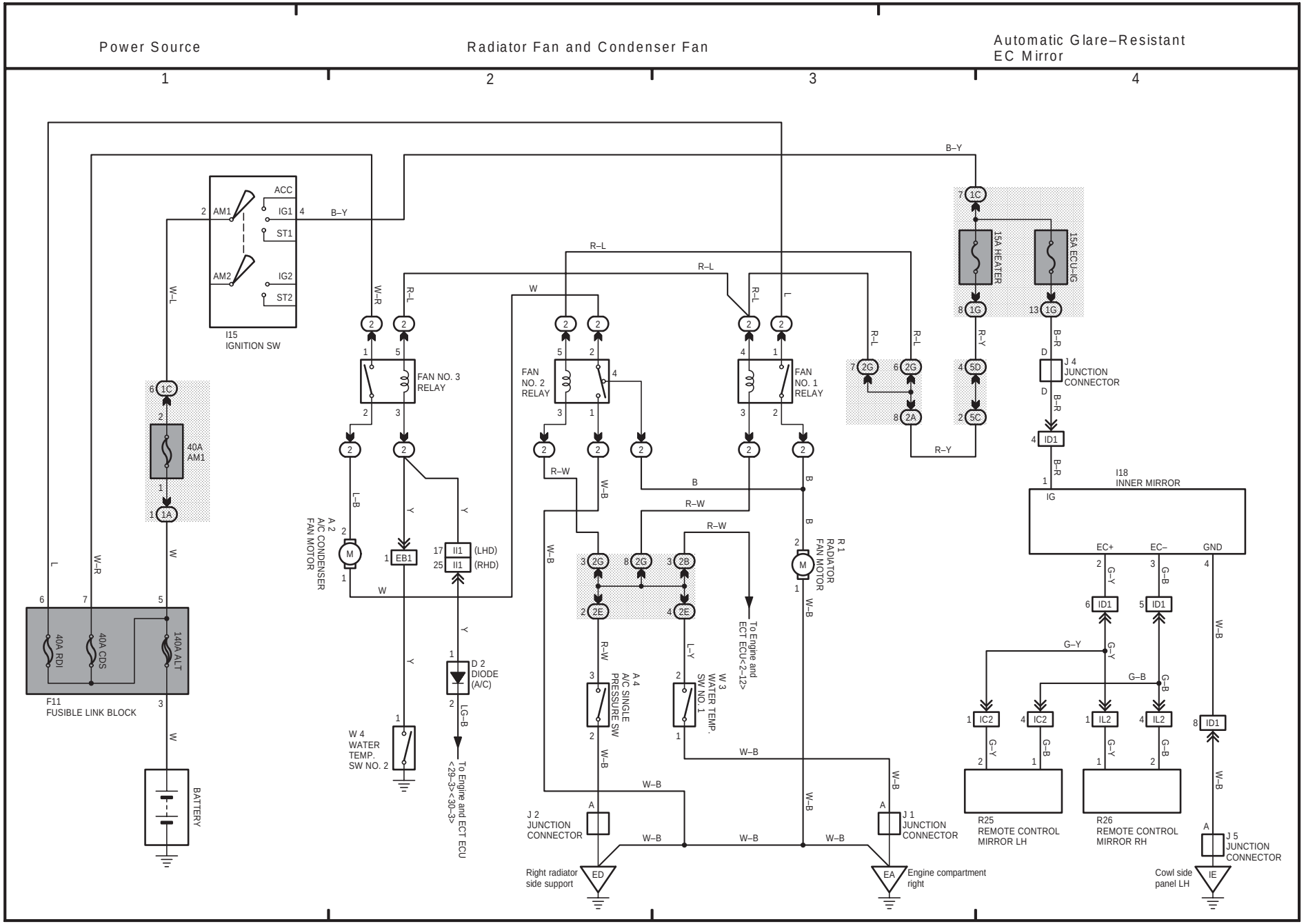

Power Seat (RHD)
5
6
7
8
A
L–O
8 IA1
3 BE1
B
J17
JUNCTION
CONNECTOR
P14
POWER SEAT CONTROL SW(Front Passenger' s Seat)
FRONT
REAR
UP
DOWN
SLIDE
FRONT
VERTICAL
RECLINING
REAR
VERTICAL
P24
POWER SEAT MOTOR
(Front Passenger' s Seat
Slide Control)
P20
POWER SEAT MOTOR
(Front Passenger' s Seat
Front Vertical Control)
P23
POWER SEAT MOTOR
(Front Passenger' s Seat
Reclining Control)
P22
POWER SEAT MOTOR
(Front Passenger' s Seat
Rear Vertical Control)
P13
POWER SEAT CONTROL SW
(Front Passenger' s
Seat Lumbar
Support Control)
P21
POWER SEAT MOTOR
(Front Passenger' s Seat
Lumbar Support Control)
J17
JUNCTION
CONNECTOR
16 BE1
Under the left
center pillar
BJ

(Cont. next page)



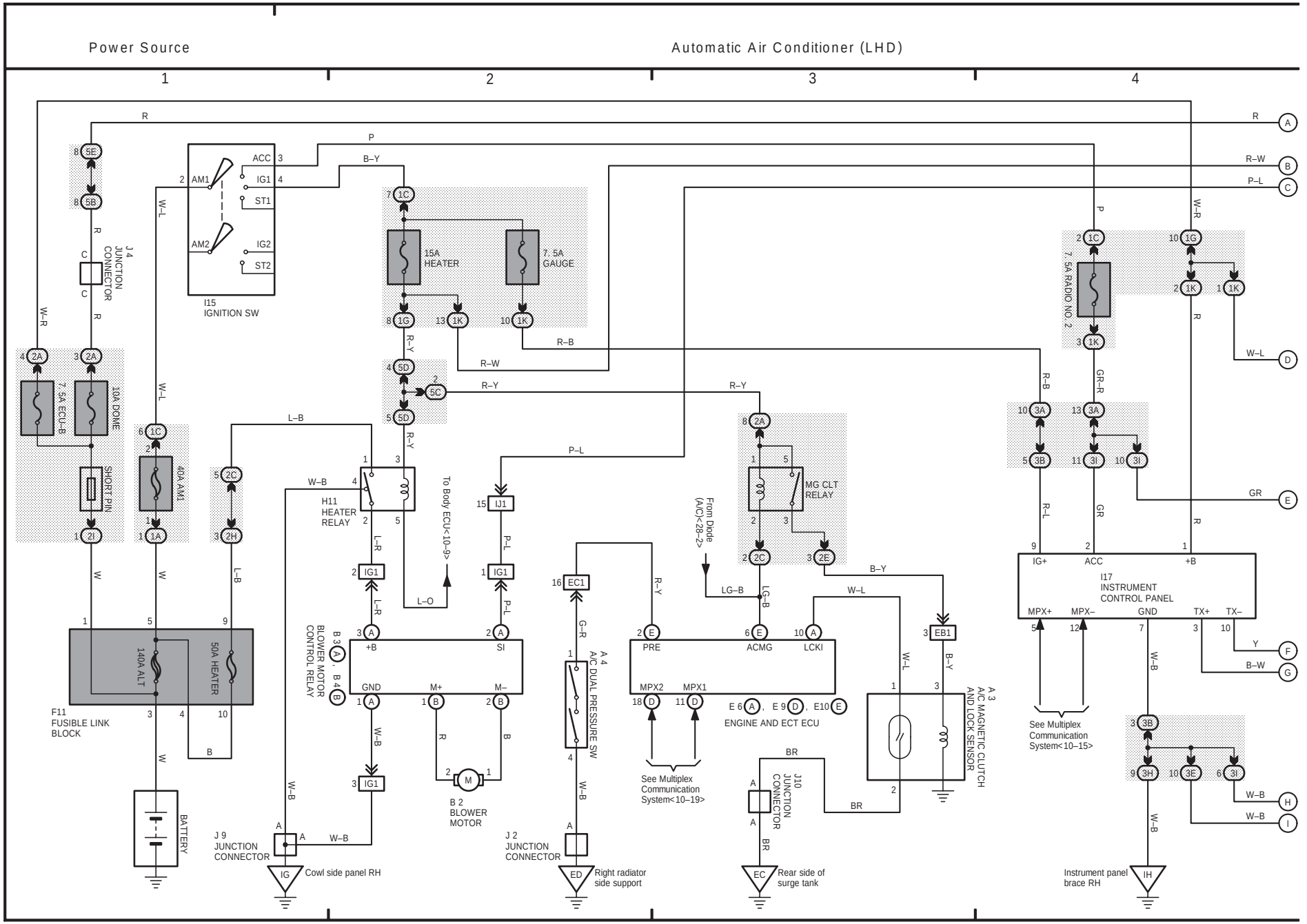

26 RX 300 (Cont' d)
Combination Meter
See Multiplex Communication System(LHD)<10–15> See Headlight System(RHD)<3–3>
See Turn Signal and Hazard Warning System <8–2>
HIGH BEAM
SRS
TURN RH
TURN LH
CRUISE
BRAKE
ABS
SLIP
VSC
CHECK ENGINE
O/D OFF
See Multiplex Communication System(LHD)<10–15> See Headlight System (RHD)<3–3>
See SRS System<20–2>
See Cruise Control System <21–2>
See VSC System<22–3><22–4>
See Engine Control System <2–3>
See ECT and A/T Indicator System<23–7>
C10 (A), C11 (B), C12 (C) COMBINATION METER
CHARGE
WASHER
WATER TEMP.
FUEL
TACHOMETER
SPEEDOMETER
W 1 WASHER LEVEL WARNING SW
Engine compartment right
J 1 JUNCTION CONNECTOR
IH Instrument panel brace RH
F19 FUEL SENDER(Sub)
F18 FUEL SENDER (Main)
W–B
L–W
BR
Y–B
Y–G
(LHD)
(RHD)

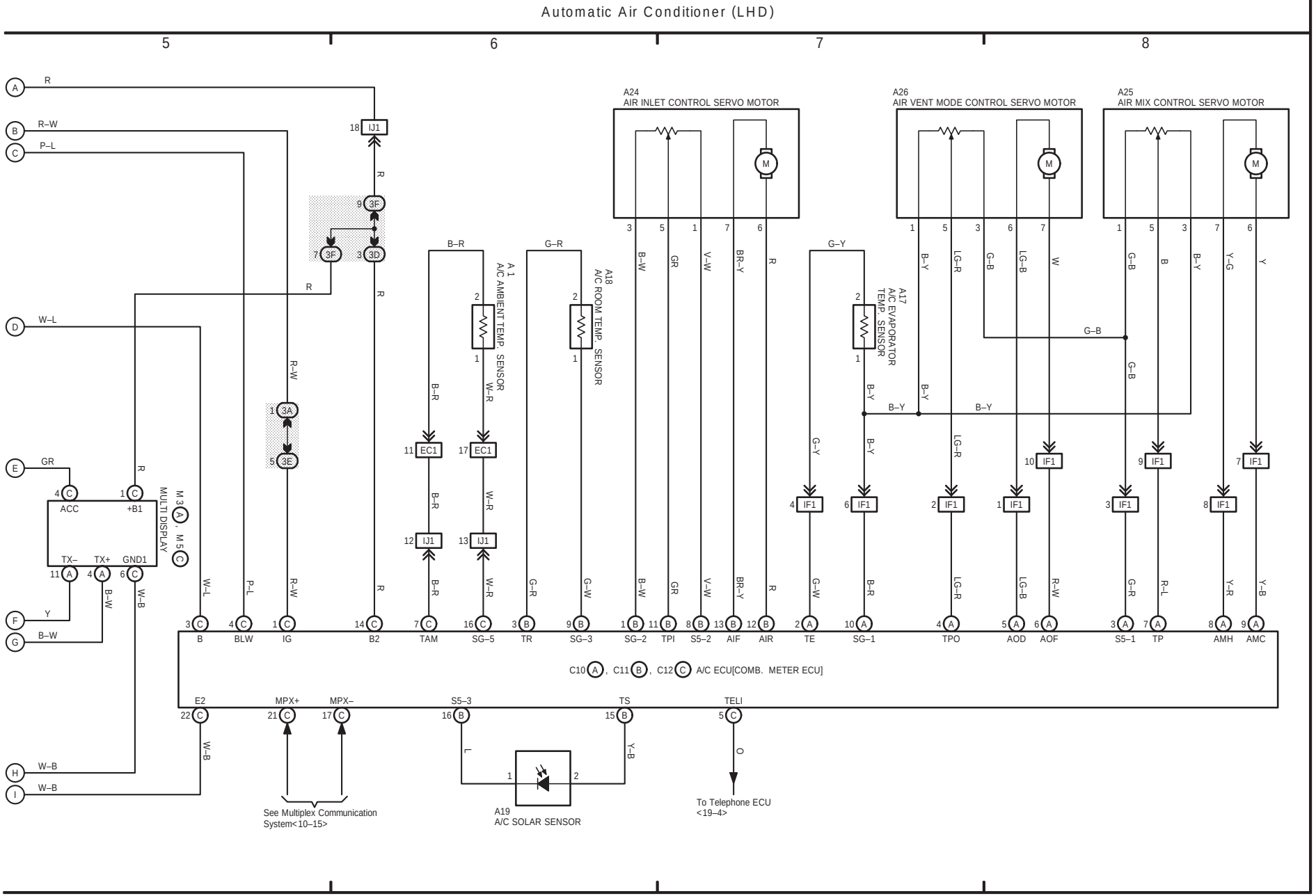

Power Source
Mirror Heater and Window Defogger
Seat Heater
1
2
3
4
I15 IGNITION SW
ACC
IG1
ST1
IG2
ST2
AM1
AM2
15A HEATER
7.5A GAUGE
15A SEAT HTR
20A RR DEF
40A AM1
RR DEF RELAY
S 3 SEAT HEATER RELAY
SEAT HEATER RELAY
MIRROR HEATER RELAY
F11 FUSIBLE LINK BLOCK
30A RR DEF
140A ALT
BATTERY
N 5 NOISE FILTER (DEF)
REAR WINDOW DEFOGGER
R22 , R23
F 9 FRONT WINDOW DEFOGGER
R25 MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
R26 MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
To Body ECU <10-10><11-10>
S19(LHD) SEAT HEATER (Driver' s Seat)
S20(RHD) SEAT HEATER (Front Passenger' s Seat)
S20(LHD) SEAT HEATER (Front Passenger' s Seat)
S19(RHD) SEAT HEATER(Driver' s Seat)
S 4(LHD) SEAT HEATER SW (Driver' s Seat)
S 5(RHD) SEAT HEATER SW (Front Passenger' s Seat)
S 4(RHD) SEAT HEATER SW (Driver' s Seat)
S 5(LHD) SEAT HEATER SW (Front Passenger' s Seat)
J14 JUNCTION CONNECTOR
Back panel center
J 1 JUNCTION CONNECTOR
Engine compartment right
J 5 JUNCTION CONNECTOR
Cowl side panel LH
J 9 JUNCTION CONNECTOR
Cowl side panel RH
Dash panel center
Instrument panel brace RH
J18 JUNCTION CONNECTOR
J15 JUNCTION CONNECTOR
Under the rear RH seat
J17 JUNCTION CONNECTOR
Under the left center pillar


Power Source
Radiator Fan and Condenser Fan
Automatic Glare–Resistant EC Mirror
1
2
3
4
ACC
IG1
ST1
IG2
ST2
AM1
AM2
I15
IGNITION SW
B–Y
W–L
W–R
R–L
W
L
FAN NO. 3 RELAY
FAN NO. 2 RELAY
FAN NO. 1 RELAY
40A AM1
40A RDI
40A CDS
140A ALT
F11
FUSIBLE LINK BLOCK
BATTERY
A 2
A/C CONDENSER FAN MOTOR
L–B
Y
EB1
I17
I25
I1
(LHD)
(RHD)
D 2
DIODE (A/C)
LG–B
W 4
WATER TEMP. SW NO. 2
To Engine and ECT ECU <29–3> <30–3>
R–W
W–B
B
A 4
A/C SINGLE PRESSURE SW
L–Y
W 3
WATER TEMP. SW NO. 1
To Engine and ECT ECU<2–12>
R 1
RADIATOR FAN MOTOR
J 2
JUNCTION CONNECTOR
J 1
JUNCTION CONNECTOR
Right radiator side support
ED
EA
Engine compartment right
15A HEATER
15A ECU–IG
R–Y
B–R
J 4
JUNCTION CONNECTOR
ID1
I18
INNER MIRROR
IG
EC+
EC–
GND
G–Y
G–B
IC2
IL2
R25
REMOTE CONTROL MIRROR LH
R26
REMOTE CONTROL MIRROR RH
J 5
JUNCTION CONNECTOR
Cowl side panel LH
IE

29 RX 300

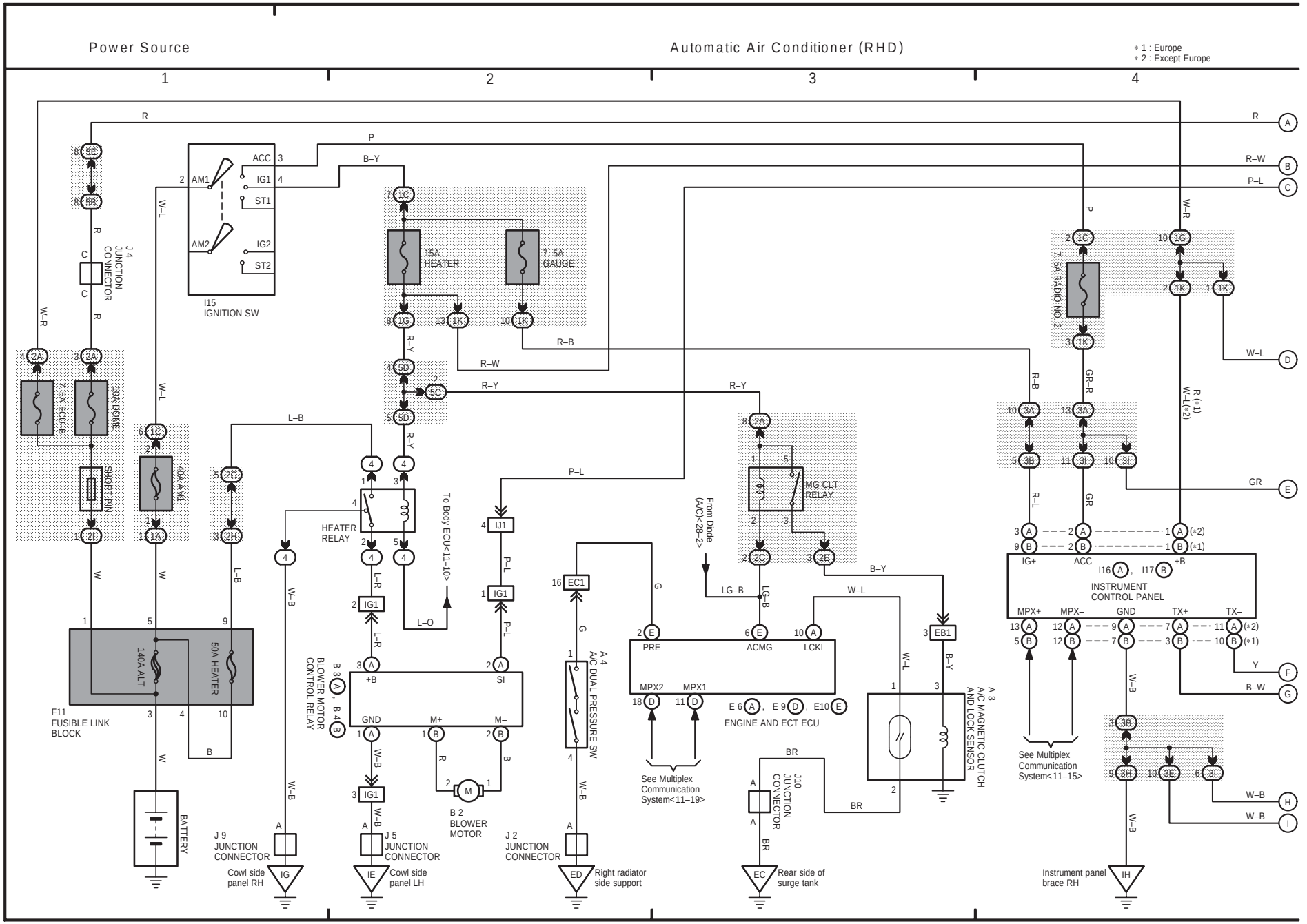
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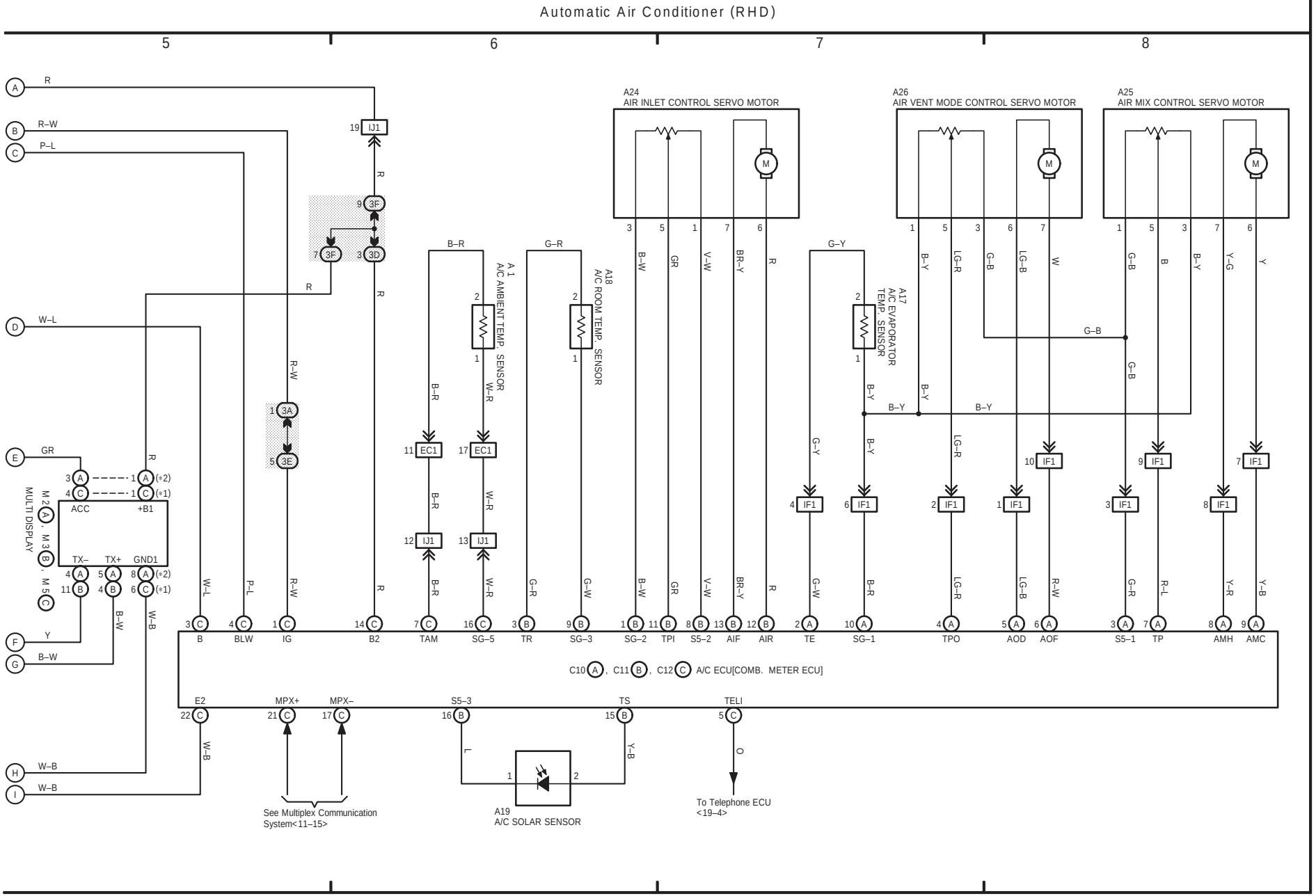



Automatic Air Conditioner (LHD)
5
6
7
8
A24
AIR INLET CONTROL SERVO MOTOR
A26
AIR VENT MODE CONTROL SERVO MOTOR
A25
AIR MIX CONTROL SERVO MOTOR
A1
A/C AMBIENT TEMP. SENSOR
A18
A/C ROOM TEMP. SENSOR
A17
A/C EVAPORATOR TEMP. SENSOR
MULTI DISPLAY
M3 A , M5 C
ACC
+B1
TX–
TX+
GND1
C10 A , C11 B , C12 C A/C ECU[COMB. METER ECU]
B
BLW
IG
B2
TAM
SG–5
TR
SG–3
SG–2
TPI
S5–2
AIF
AIR
TE
SG–1
TPO
AOD
AOF
S5–1
TP
AMH
AMC
E2
MPX+
MPX–
S5–3
TS
TELI
See Multiplex Communication System<10–15>
A19
A/C SOLAR SENSOR
To Telephone ECU
<19–4>

30 RX 300

(Cont. next page)




Automatic Air Conditioner (RHD)
5
6
7
8
A24
AIR INLET CONTROL SERVO MOTOR
A26
AIR VENT MODE CONTROL SERVO MOTOR
A25
AIR MIX CONTROL SERVO MOTOR
A1
A/C AMBIENT TEMP. SENSOR
A18
A/C ROOM TEMP. SENSOR
A17
A/C EVAPORATOR TEMP. SENSOR
MULTI DISPLAY
ACC
+B1
TX–
TX+
GND1
B
BLW
IG
B2
TAM
SG–5
TR
SG–3
SG–2
TPI
S5–2
AIF
AIR
TE
SG–1
TPO
AOD
AOF
S5–1
TP
AMH
AMC
C10 (A), C11 (B), C12 (C) A/C ECU[COMB. METER ECU]
E2
MPX+
MPX–
S5–3
TS
TELI
See Multiplex Communication System<11–15>
A19
A/C SOLAR SENSOR
To Telephone ECU
<19–4>