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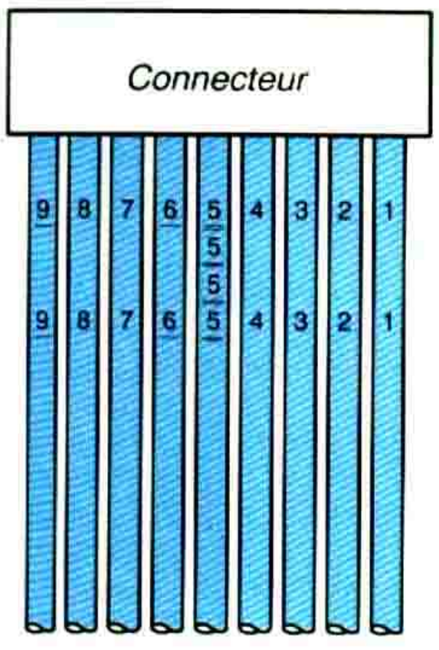
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NOTE

Il existe deux types de harnais de fils pour le tableau de bord d'une RAV4. Dans un type, tout le harnais de fils est colore. Dans l'autre type, il y a quelques connecteurs ayant les fils de meme couleur. Cela veut dire que les couleurs des fils different d'un type de vehicule a l'autre.
Dans ce manuel, ces deux facons de coloration des fils sont decrites comme suit.

Exemple

G (SB)



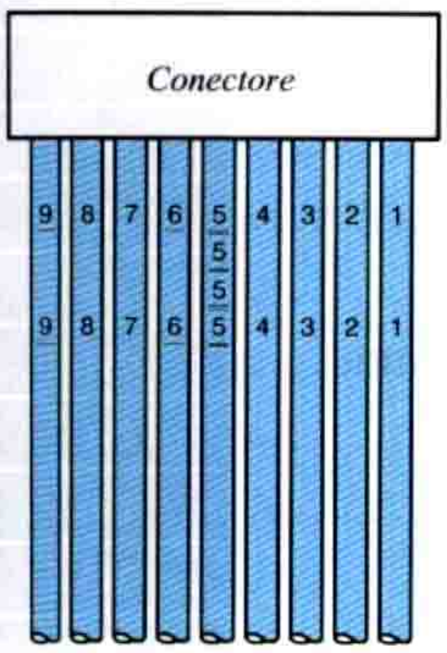
Si les fils de meme couleur sont utilises, chaque numero de borne est imprime sur les fils comme le montre la figure ci-contre afin d'identifier chaque fil. Lorsque une borne est retiree de son connecteur, s'assurer de relier son fil au point indique par ce numero.

RAV4
DIAGRAMA DEL CABLEADO ELECTRICO
CIRCUITOS DE SISTEMAS

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CONSEJO



Hay dos tipos de mazo de cables en el panel instrumental de RAV4. Un tipo es completamente codificado segun el color. El otro tiene unos conectores del mismo color; lo que significa que el color de cables es distinto segun el tipo de vehiculos.
Entonces, en este manual los colores de cables estan indicados como lo siguiente.

Ejemplo



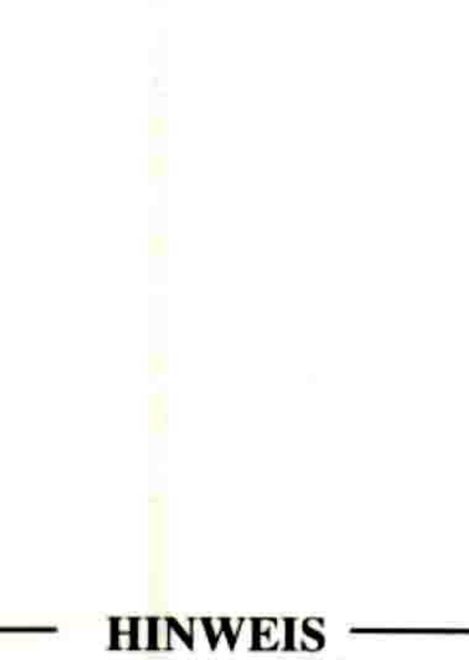
En caso de que se utilicen los cables del mismo color, esta impreso el No. de cada cable como se indica en el dibujo izquierdo para que se distingue bien el cableado. Al sacar el conector del terminal, asegurese de conectar el cable al lugar correspondiente segun el No. impreso en el cable.

RAV4
ELEKTRISCHE SCHALTPLÄNE
SYSTEMSCHALTKREISE

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HINWEIS

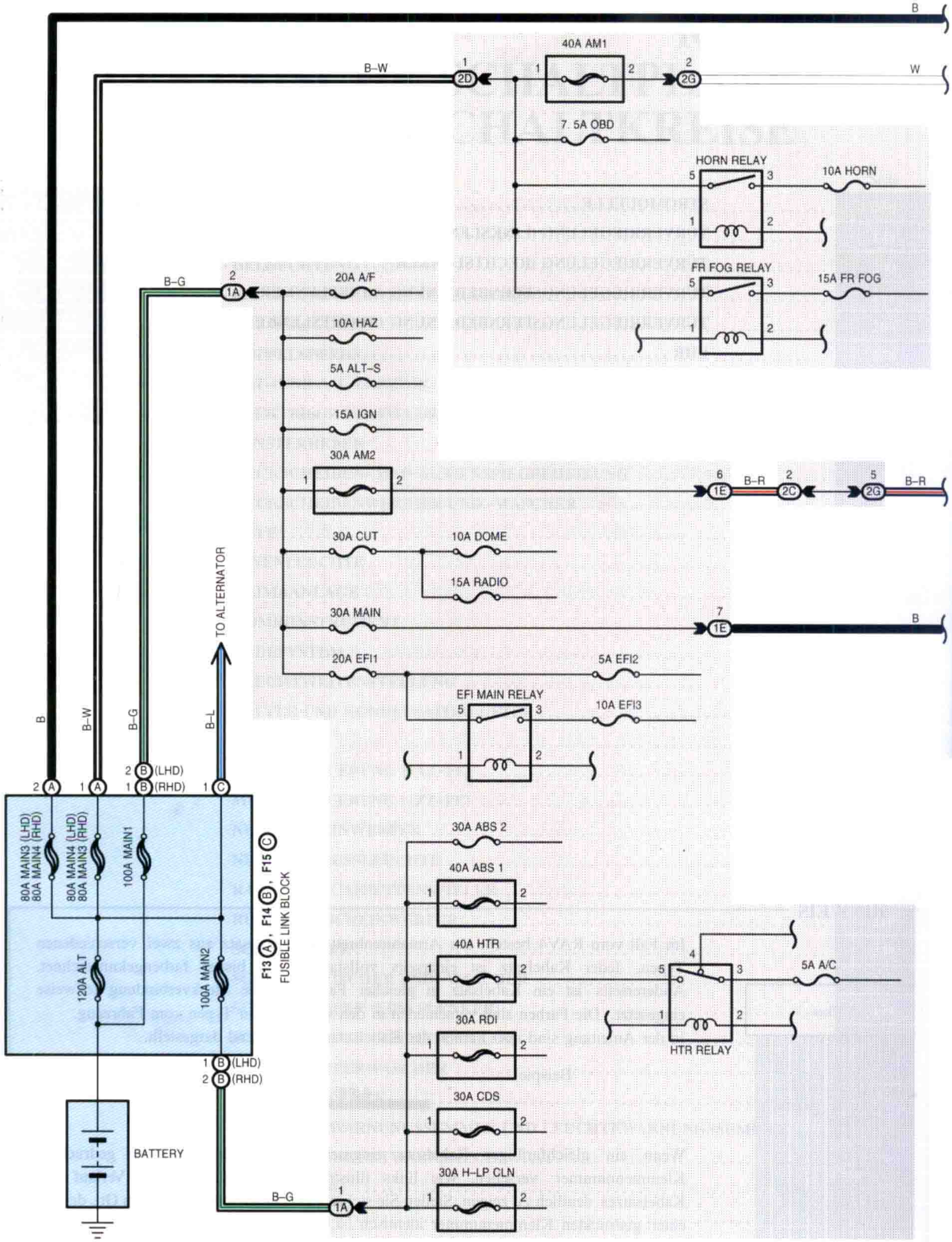


Im Fall vom RAV4 besteht am Armaturenbrett der Kabelsatz aus zwei verschiedenen Typen. Jeder Kabelsatz ist einerseits vollstandig wie bisher farbengeknnzeichnet. Andererseits ist ein Kabelsatz in gleicher Farbe fur die Steckverbindung teilweise eingesetzt. Die Farben sind verschieden in den verschidenen Typen vom Fahrzeug.
In der Anleitung sind also Farben der Kabelsatze nachfolgend dargestellt.

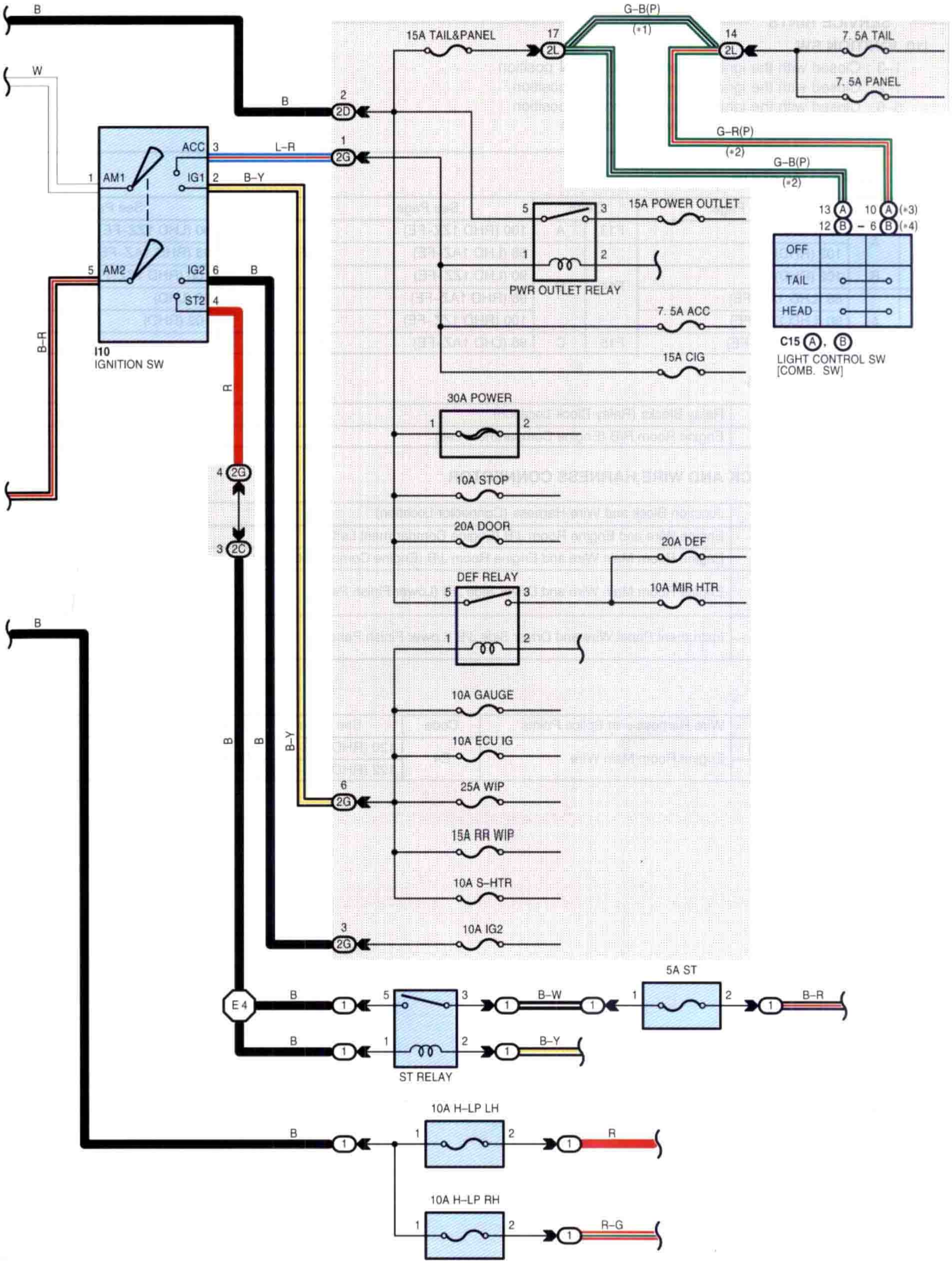
Beispiel

Wenn ein gleichfaribiger Kabelsatz eingesetzt ist, ist er mit einer gedruckten Klemmennummer versehen, wie links illustriert dargestellt, um den Verlauf des Kabelsatzes deutlich zu zeigen. Stellen Sie sicher, dass ein Kabelsatz an einem Ort, der mit einer gedruckten Klemmenummer identisch ist, angebracht ist, nachdem eine Klemme von einer Steckverbindung entfernt woren ist.

POWER SOURCE



• 1 : W/ DAYTIME RUNNING LIGHT
• 2 : W/O DAYTIME RUNNING LIGHT
• 3 : LH TURN LEVER TYPE
• 4 : RH TURN LEVER TYPE



POWER SOURCE

SERVICE HINTS

I10 IGNITION SW

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

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C15	A	92 (LHD)	F13	A	100 (RHD 1ZZ–FE)	F15	C	90 (LHD 1ZZ–FE)
		102 (RHD)	F14	B	88 (LHD 1AZ–FE)			98 (RHD 1AZ–FE)
	B	102 (RHD)			90 (LHD 1ZZ–FE)			100 (RHD 1ZZ–FE)
F13	A	88 (LHD 1AZ–FE)			98 (RHD 1AZ–FE)	I10		92 (LHD)
		90 (LHD 1ZZ–FE)			100 (RHD 1ZZ–FE)			102 (RHD)
		98 (RHD 1AZ–FE)	F15	C	88 (LHD 1AZ–FE)			

▭ : RELAY BLOCKS

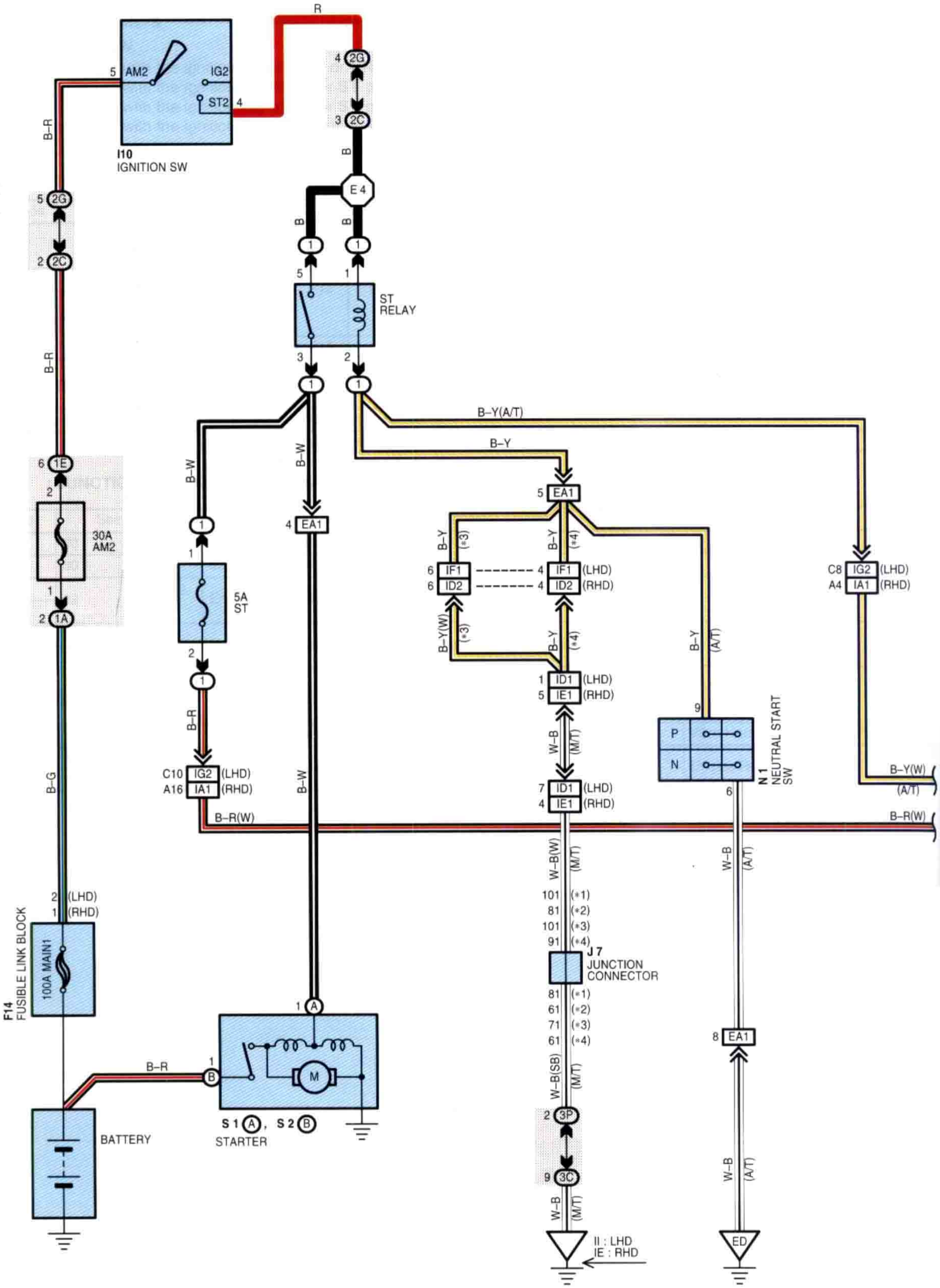
Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

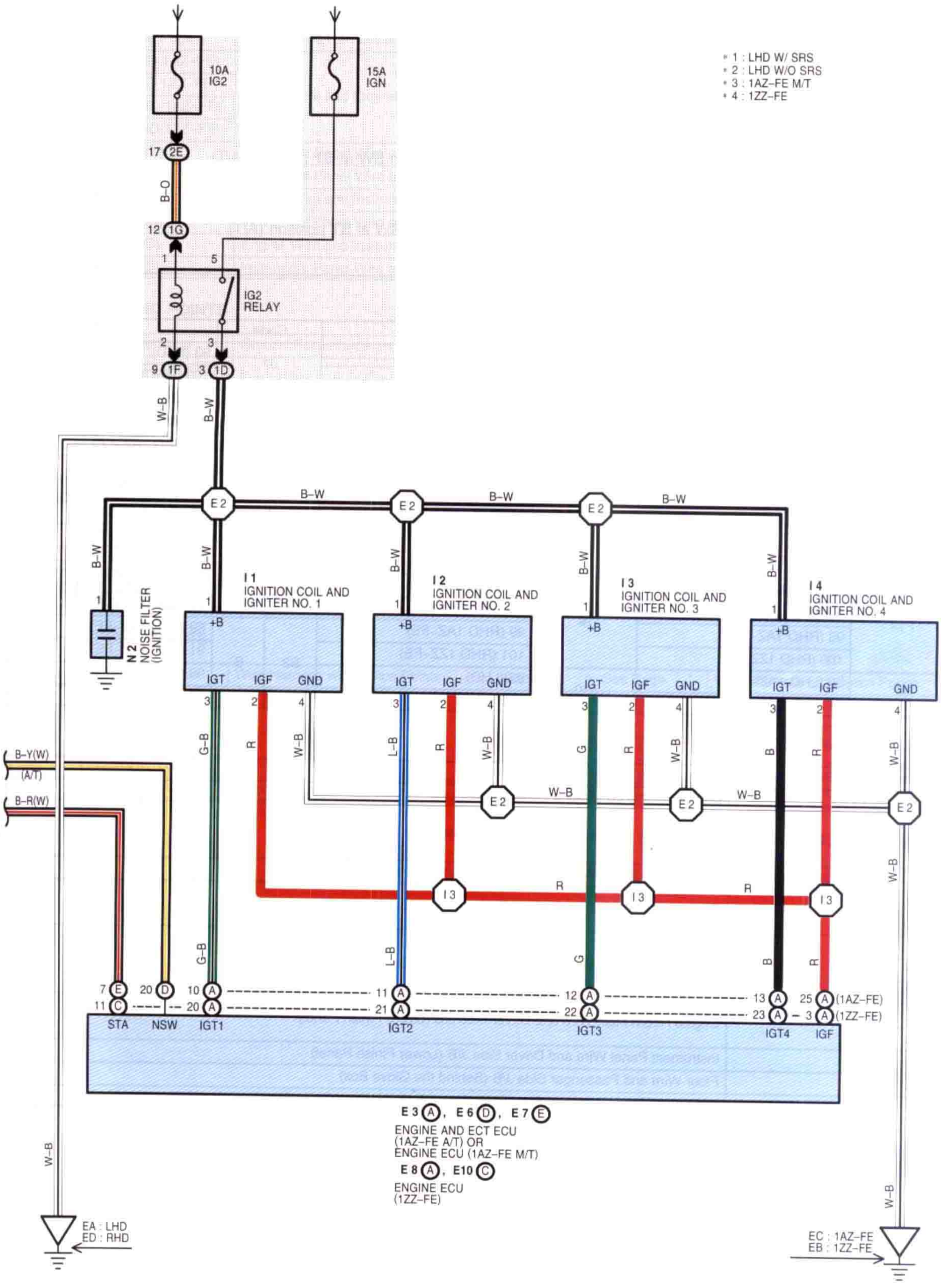
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2C	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2D		
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L	83	

⬡ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ–FE)	Engine Room Main Wire	E4	120 (RHD 1AZ–FE)	Engine Room Main Wire
	110 (LHD 1ZZ–FE)			122 (RHD 1ZZ–FE)	


R
5 AM2
IG2
ST2 4
I10
IGNITION SW
B–R
4 2G
3 2C
B
E 4
B
B
1
1
5
1
ST
RELAY
3
2
1
1
B–Y(A/T)
B–Y
B–W
B–W
4 EA1
5 EA1
5 2G
2 2C
B–R
B–R
5A
ST
1
2
1
B–Y
(*3)
B–Y
(*4)
6 IF1
6 ID2
4 IF1 (LHD)
4 ID2 (RHD)
B–Y(W)
(*3)
B–Y
(*4)
B–Y
(A/T)
1 ID1 (LHD)
5 IE1 (RHD)
C8 IG2 (LHD)
A4 IA1 (RHD)
9
P
N
N 1
NEUTRAL START
SW
W–B
(M/T)
7 ID1 (LHD)
4 IE1 (RHD)
6
B–Y(W)
(A/T)
B–R(W)
C10 IG2 (LHD)
A16 IA1 (RHD)
B–W
B–R(W)
W–B(W)
(M/T)
W–B
(A/T)
6 1E
2
30A
AM2
1
2 1A
B–R
B–G
101 (*1)
81 (*2)
101 (*3)
91 (*4)
J 7
JUNCTION
CONNECTOR
81 (*1)
61 (*2)
71 (*3)
61 (*4)
W–B(SB)
(M/T)
2 3P
9 3C
W–B
(M/T)
II : LHD
IE : RHD
8 EA1
W–B
(A/T)
ED
2 (LHD)
1 (RHD)
F14
FUSIBLE LINK BLOCK
100A MAIN1
1 A
B–R
1
B
S1 A , S2 B
STARTER
M
BATTERY

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : 1AZ–FE M/T
* 4 : 1ZZ–FE

STARTING AND IGNITION

SERVICE HINTS

I10 IGNITION SW

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

N1 NEUTRAL START SW

9–6 : Closed with the shift lever in **P** or **N** position

ST RELAY

1–2 : Closed with the neutral start SW at **P** or **N** position and the ignition SW at **ST** position (A/T)
: Closed with the ignition SW at **ST** position (M/T)

S1 (A), S2 (B) STARTER

Points closed with the neutral start SW at **P** or **N** position and the ignition SW at **ST** position (A/T)
Points closed with the ignition SW at **ST** position (M/T)

○ : PARTS LOCATION

Code		See Page
E3	A	92 (LHD)
		102 (RHD)
E6	D	92 (LHD)
		102 (RHD)
E7	E	92 (LHD)
		102 (RHD)
E8	A	92 (LHD)
		102 (RHD)
E10	C	92 (LHD)
		102 (RHD)
F14		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
I1		89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)

Code	See Page
I1	99 (RHD 1AZ-FE)
	101 (RHD 1ZZ-FE)
I2	89 (LHD 1AZ-FE)
	91 (LHD 1ZZ-FE)
	99 (RHD 1AZ-FE)
	101 (RHD 1ZZ-FE)
I3	89 (LHD 1AZ-FE)
	91 (LHD 1ZZ-FE)
	99 (RHD 1AZ-FE)
	101 (RHD 1ZZ-FE)
I4	89 (LHD 1AZ-FE)
	91 (LHD 1ZZ-FE)
	99 (RHD 1AZ-FE)
	101 (RHD 1ZZ-FE)
I10	92 (LHD)
	102 (RHD)

Code		See Page
J7		93 (LHD)
		103 (RHD)
N1		89 (LHD 1AZ-FE)
		99 (RHD 1AZ-FE)
N2		89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)
S1	A	89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)
S2	B	89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1D		
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2C	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2E		
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IA1	124 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

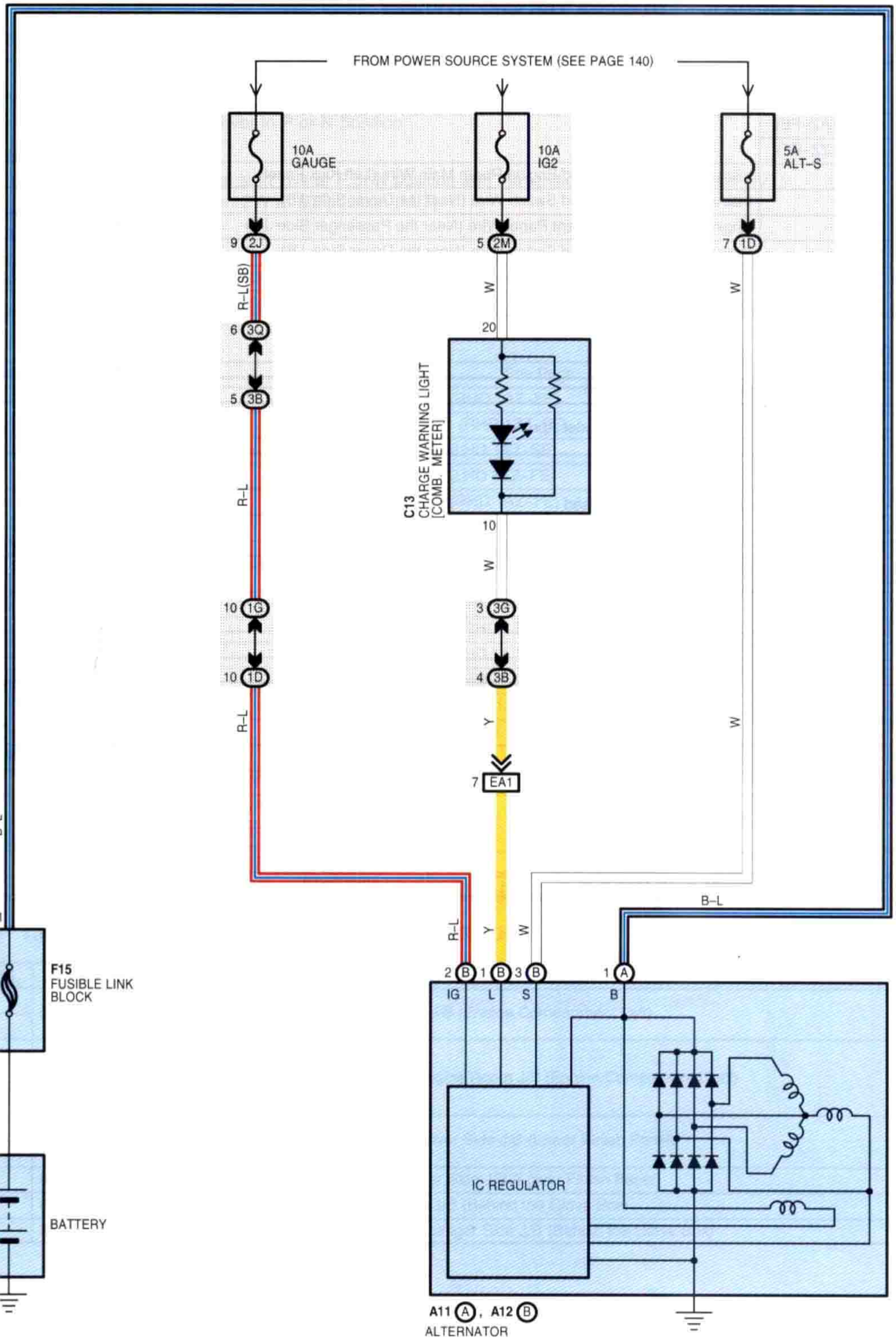
: GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
EB	110 (LHD 1ZZ-FE)	Left Side of Cylinder Head
	122 (RHD 1ZZ-FE)	
EC	108 (LHD 1AZ-FE)	
	120 (RHD 1AZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	108 (LHD 1AZ-FE)	Engine Wire	E4	110 (LHD 1ZZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)			120 (RHD 1AZ-FE)	
	120 (RHD 1AZ-FE)			122 (RHD 1ZZ-FE)	
	122 (RHD 1ZZ-FE)		I3	114 (LHD)	Engine Wire
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire		126 (RHD)	

CHARGING


FROM POWER SOURCE SYSTEM (SEE PAGE 140)
10A GAUGE
10A IG2
5A ALT-S
9 2J
5 2M
7 1D
R-L(SB)
W
W
6 3Q
20
C13
CHARGE WARNING LIGHT [COMB. METER]
5 3B
R-L
10
W
10 1G
3 3G
10 1D
4 3B
R-L
Y
W
7 EA1
B-L
B-L
R-L
Y
W
1
2 B
1 B
3 B
1 A
IG
L
S
B
120A ALT
F15
FUSIBLE LINK BLOCK
IC REGULATOR
BATTERY
A11 A , A12 B
ALTERNATOR

SERVICE HINTS

A12 (B) ALTERNATOR

(B) 3-GROUND :**13.2-14.0** volts with the engine running at **5000** rpm and **115**°C (**239**°F)

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

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
A11	A	88 (LHD 1AZ-FE)	A12	B	90 (LHD 1ZZ-FE)	F15	88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)			98 (RHD 1AZ-FE)		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)			100 (RHD 1ZZ-FE)		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)	C13		92 (LHD)		100 (RHD 1ZZ-FE)
A12	B	88 (LHD 1AZ-FE)			102 (RHD)		

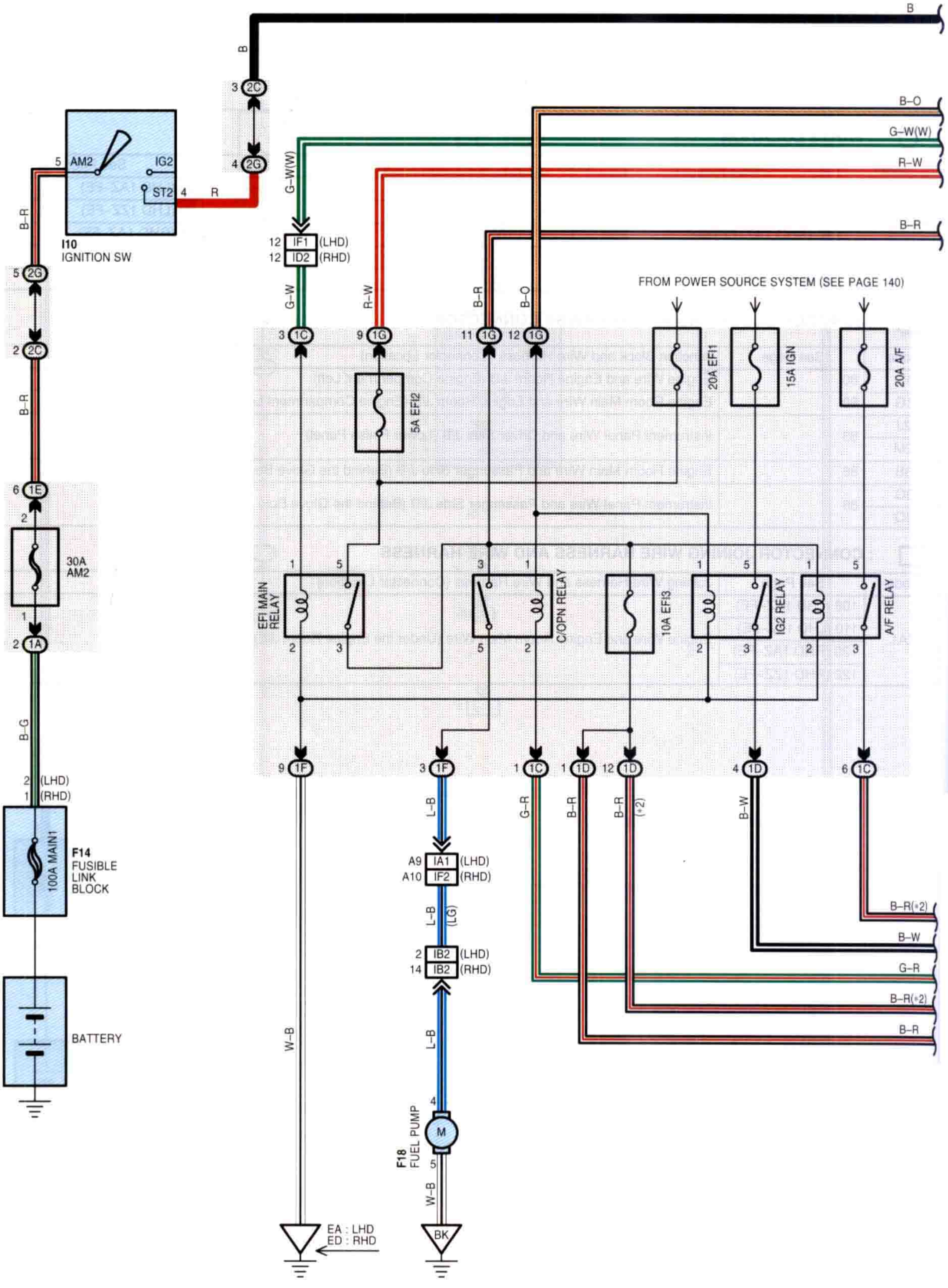
⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

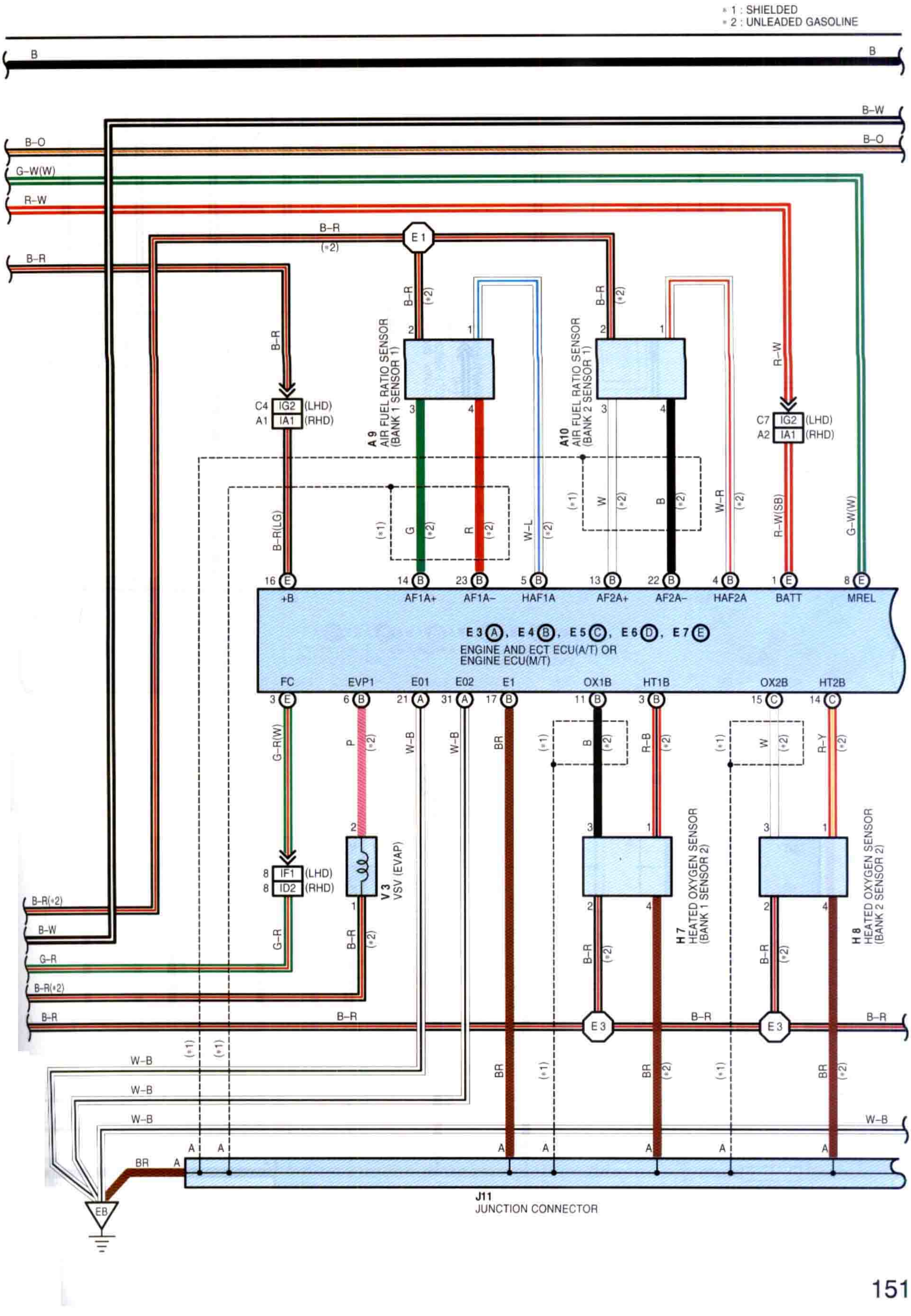
Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1G	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

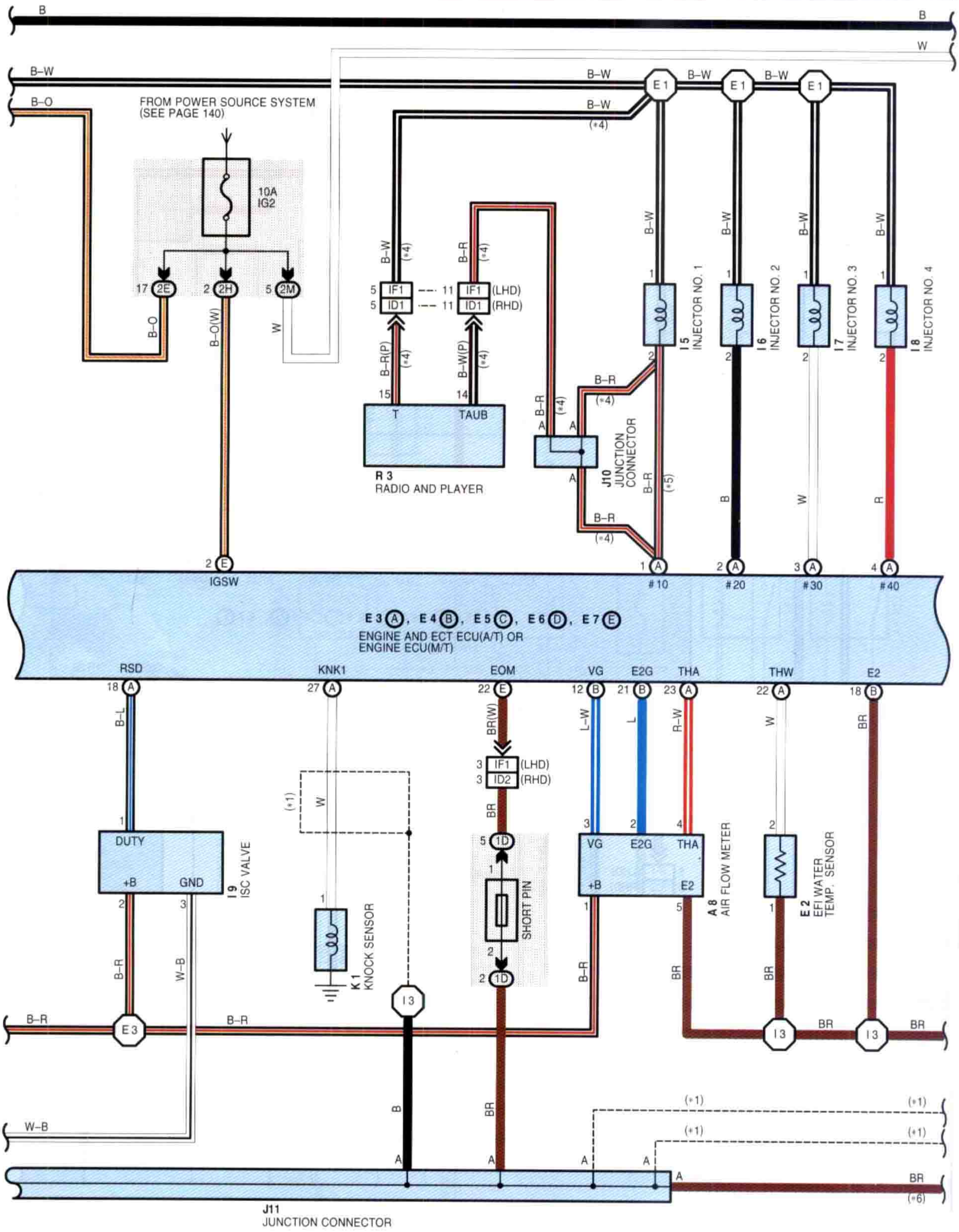
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	

ENGINE CONTROL (1AZ-FE)

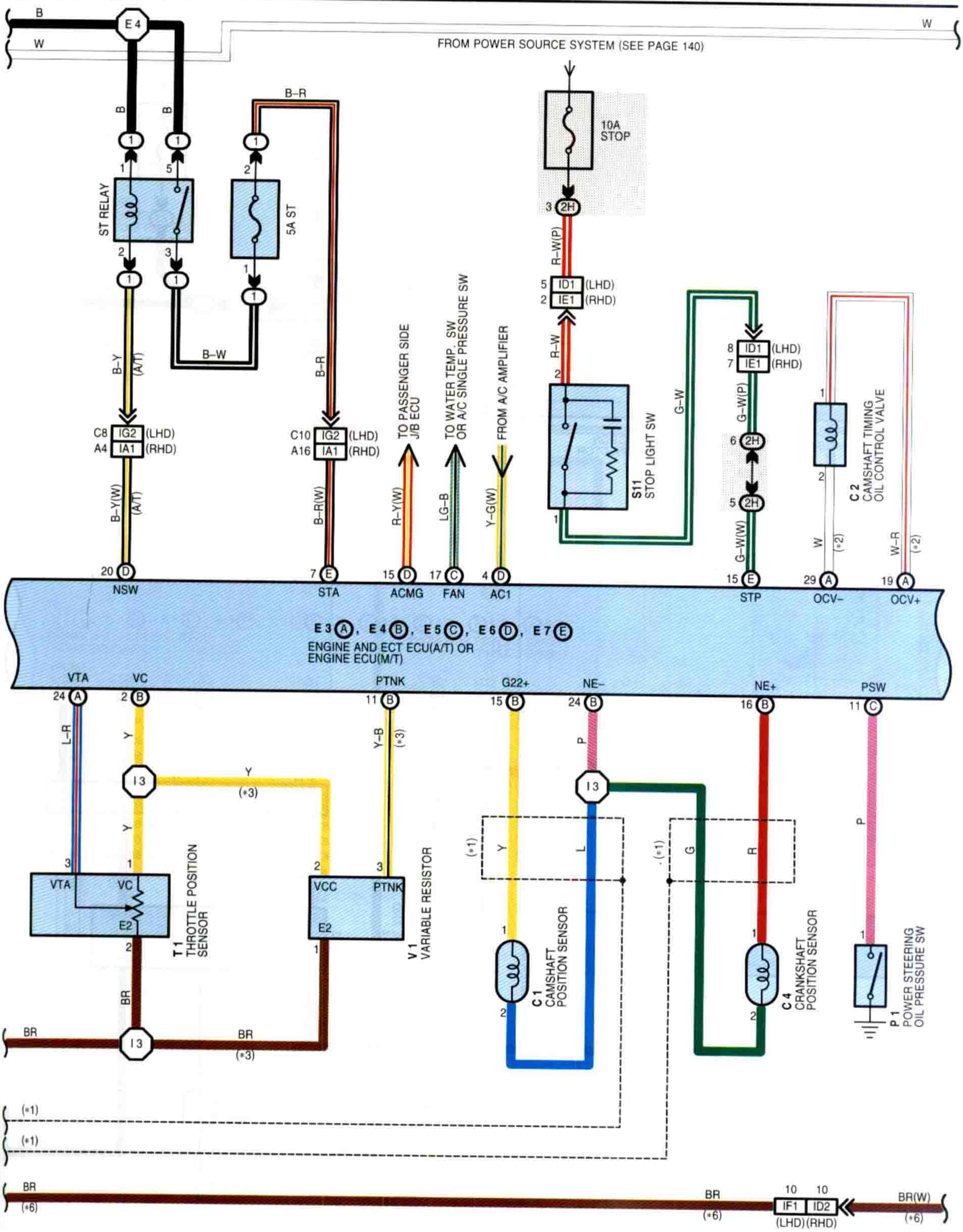


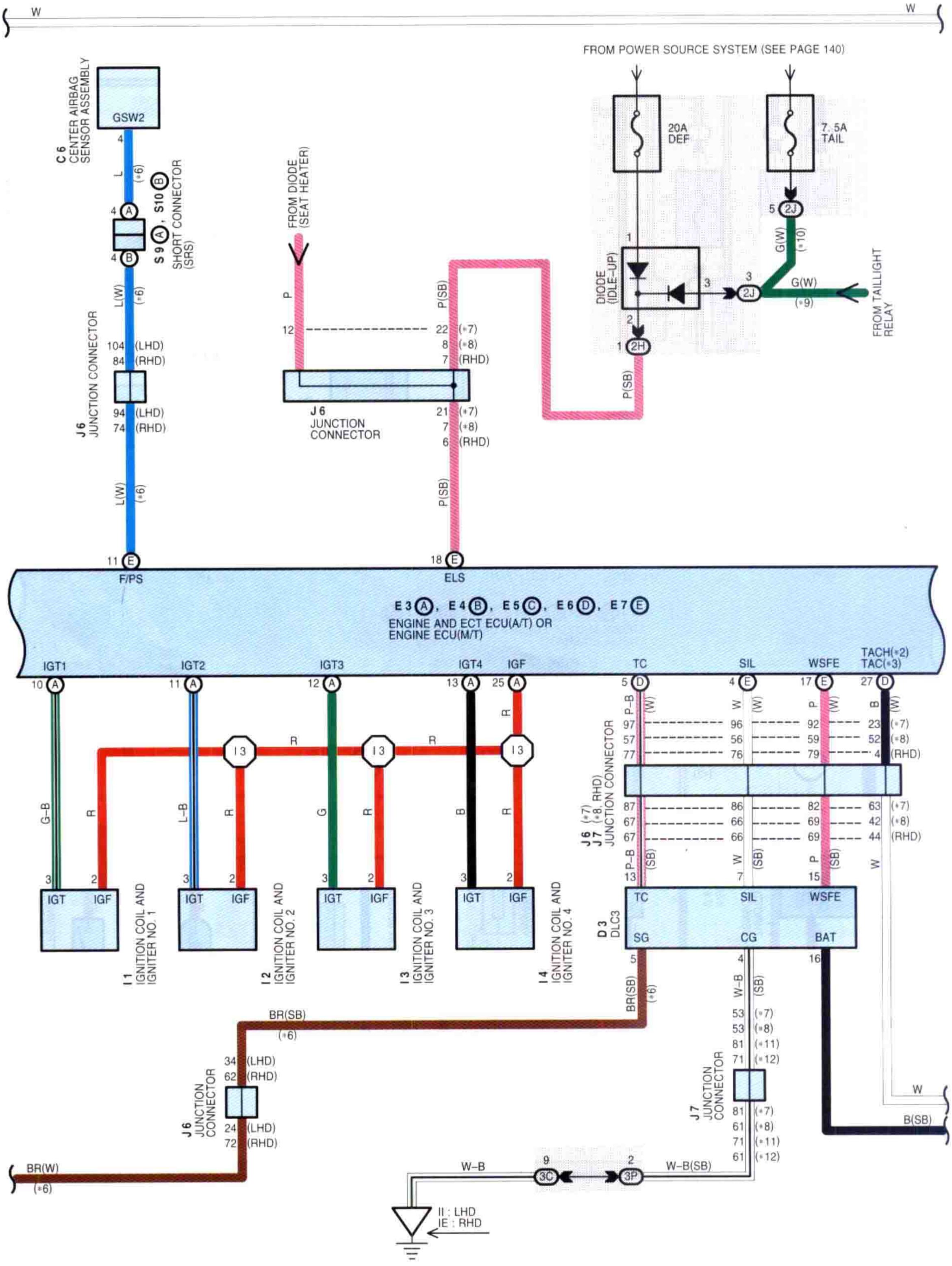

*1 : SHIELDED
*2 : UNLEADED GASOLINE
B
B
B–W
B–O
B–O
G–W(W)
R–W
B–R
(*2)
E1
B–R
B–R
C4 IG2 (LHD)
A1 IA1 (RHD)
A9
AIR FUEL RATIO SENSOR (BANK 1 SENSOR 1)
A10
AIR FUEL RATIO SENSOR (BANK 2 SENSOR 1)
C7 IG2 (LHD)
A2 IA1 (RHD)
R–W
B–R(LG)
(*1)
G
W
B
W–L
W–R
R–W(SB)
G–W(W)
16 E +B
14 B AF1A+
23 B AF1A–
5 B HAF1A
13 B AF2A+
22 B AF2A–
4 B HAF2A
1 E BATT
8 E MREL
E3 A, E4 B, E5 C, E6 D, E7 E
ENGINE AND ECT ECU(A/T) OR
ENGINE ECU(M/T)
FC EVP1 E01 E02 E1 OX1B HT1B OX2B HT2B
3 E
6 B
21 A
31 A
17 B
11 B
3 B
15 C
14 C
G–R(W)
P
W–B
BR
B
R–B
W
R–Y
8 IF1 (LHD)
8 ID2 (RHD)
V3
VSV (EVAP)
H7
HEATED OXYGEN SENSOR (BANK 1 SENSOR 2)
H8
HEATED OXYGEN SENSOR (BANK 2 SENSOR 2)
B–R(*2)
B–W
G–R
G–R
B–R
B–R
E3
W–B
W–B
W–B
BR
A
EB
J11
JUNCTION CONNECTOR

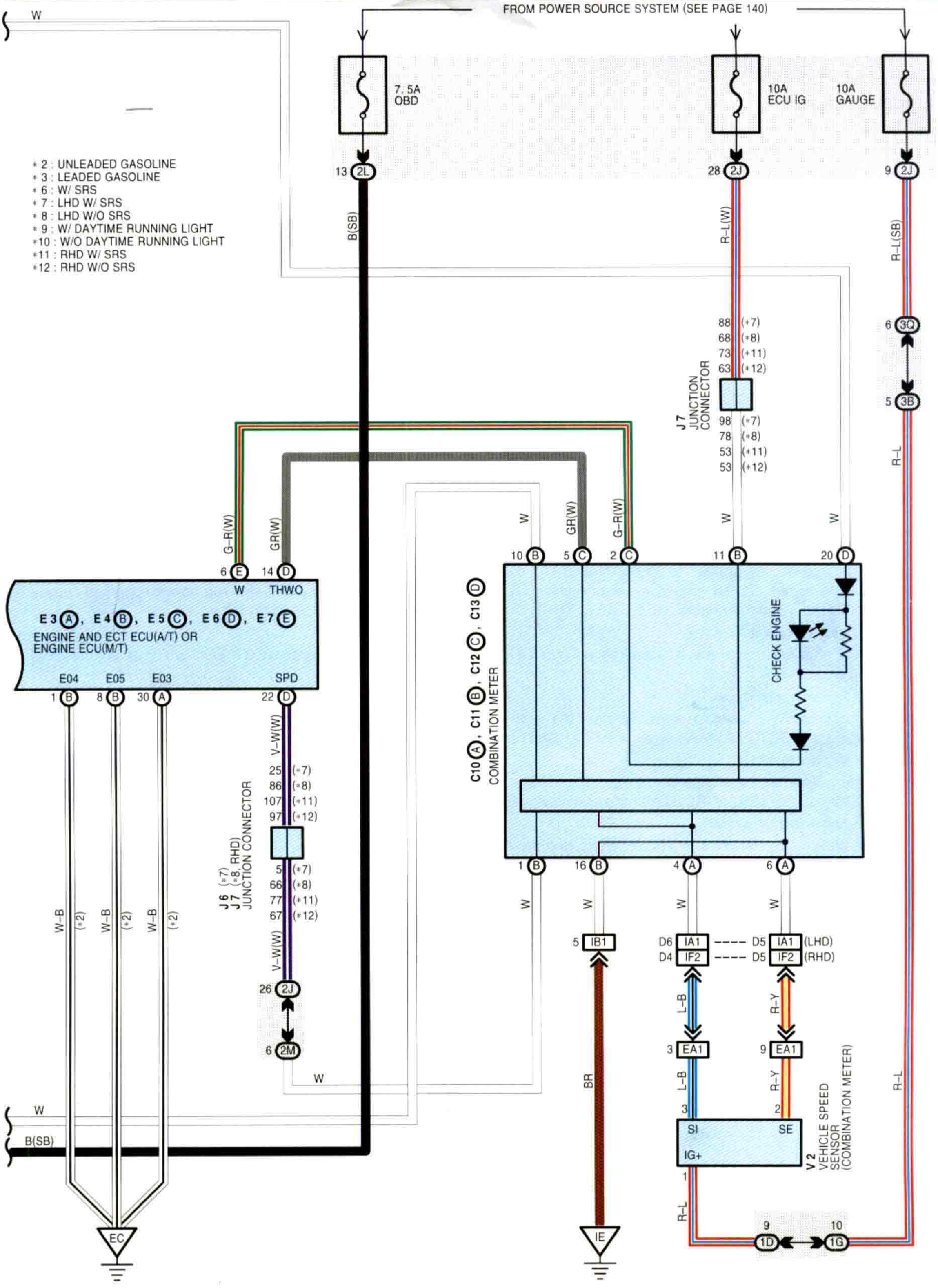
ENGINE CONTROL (1AZ-FE)



* 1 : SHIELDED
* 2 : UNLEADED GASOLINE
* 3 : LEADED GASOLINE
* 4 : W/ MULTI DISPLAY
* 5 : W/O MULTI DISPLAY
* 6 : W/ SRS




W
W
FROM POWER SOURCE SYSTEM (SEE PAGE 140)
20A DEF
7.5A TAIL
DIODE (IDLE-UP)
5 2J
G(W) (*10)
G(W) (*9)
FROM TAILLIGHT RELAY
C6 CENTER AIRBAG SENSOR ASSEMBLY
GSW2
L (*6)
S10 B
S9 A
SHORT CONNECTOR (SRS)
L(W) (*6)
J6 JUNCTION CONNECTOR
104 (LHD)
84 (RHD)
94 (LHD)
74 (RHD)
L(W) (*6)
FROM DIODE (SEAT HEATER)
P
12
P(SB)
22 (*7)
8 (*8)
7 (RHD)
J6 JUNCTION CONNECTOR
21 (*7)
7 (*8)
6 (RHD)
P(SB)
P(SB)
11 E F/PS
18 E ELS
E3 A, E4 B, E5 C, E6 D, E7 E
ENGINE AND ECT ECU(A/T) OR ENGINE ECU(M/T)
IGT1
IGT2
IGT3
IGT4
IGF
TC
SIL
WSFE
TACH(*2)
TAC(*3)
10 A
11 A
12 A
13 A
25 A
5 D
4 E
17 E
27 D
G-B
L-B
G
B
R
I3
P-B (W)
W (W)
P (W)
B (W)
97
57
77
96
56
76
92
59
79
23 (*7)
52 (*8)
4 (RHD)
J6 (*7) (*8, RHD) J7 JUNCTION CONNECTOR
87
67
67
86
66
66
82
69
69
63 (*7)
42 (*8)
44 (RHD)
P-B (SB)
W (SB)
P (SB)
W
13
7
15
IGT IGF
I1 IGNITION COIL AND IGNITER NO. 1
I2 IGNITION COIL AND IGNITER NO. 2
I3 IGNITION COIL AND IGNITER NO. 3
I4 IGNITION COIL AND IGNITER NO. 4
D3 DLC3
TC SIL WSFE
SG CG BAT
5
4
16
BR(SB) (*6)
W-B (SB)
53 (*7)
53 (*8)
81 (*11)
71 (*12)
BR(SB) (*6)
34 (LHD)
62 (RHD)
J6 JUNCTION CONNECTOR
24 (LHD)
72 (RHD)
J7 JUNCTION CONNECTOR
81 (*7)
61 (*8)
71 (*11)
61 (*12)
W
B(SB)
BR(W) (*6)
W-B
9
3C
2
3P
W-B(SB)
II : LHD
IE : RHD


W
* 2 : UNLEADED GASOLINE
* 3 : LEADED GASOLINE
* 6 : W/ SRS
* 7 : LHD W/ SRS
* 8 : LHD W/O SRS
* 9 : W/ DAYTIME RUNNING LIGHT
*10 : W/O DAYTIME RUNNING LIGHT
*11 : RHD W/ SRS
*12 : RHD W/O SRS
FROM POWER SOURCE SYSTEM (SEE PAGE 140)
7.5A OBD
10A ECU IG
10A GAUGE
13 2L
28 2J
9 2J
B(SB)
R-L(W)
R-L(SB)
6 3Q
5 3B
R-L
J7 JUNCTION CONNECTOR
88 (*7)
68 (*8)
73 (*11)
63 (*12)
98 (*7)
78 (*8)
53 (*11)
53 (*12)
G-R(W)
GR(W)
W
6 E
14 D
W
THWO
E3 A, E4 B, E5 C, E6 D, E7 E
ENGINE AND ECT ECU(A/T) OR ENGINE ECU(M/T)
E04
E05
E03
SPD
1 B
8 B
30 A
22 D
W-B
(*2)
V-W(W)
J6 (*7) J7 (*8, RHD) JUNCTION CONNECTOR
25 (*7)
86 (*8)
107 (*11)
97 (*12)
5 (*7)
66 (*8)
77 (*11)
67 (*12)
26 2J
6 2M
W
B(SB)
EC
10 B
5 C
2 C
11 B
20 D
C10 A, C11 B, C12 C, C13 D
COMBINATION METER
CHECK ENGINE
1 B
16 B
4 A
6 A
5 IB1
D6 IA1
D4 IF2
D5 IA1 (LHD)
D5 IF2 (RHD)
L-B
R-Y
3 EA1
9 EA1
SI
SE
IG+
V2 VEHICLE SPEED SENSOR (COMBINATION METER)
9 1D
10 1G
BR
IE

ENGINE CONTROL (1AZ-FE)

SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle 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 (A/T) or engine ECU (M/T) 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 (A/T) or engine ECU (M/T).

(3) Oxygen density signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensors and input as a control signal to TERMINALS OX1B and OX2B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G22+ of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into 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 VTA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed circuit

The speed sensor (Combination meter) detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). With the ignition SW turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start-up power supply is applied to TERMINAL +B of the engine and ECT ECU (A/T) or engine ECU (M/T) via the EFI main relay.

(8) A/C SW signal circuit

The A/C amplifier inputs the A/C operations into TERMINAL AC1 of the engine and ECT ECU (A/T) or engine ECU (M/T).

(9) 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 (A/T) or engine ECU (M/T) as a control signal.

(10) 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 (A/T) or engine ECU (M/T) as a control signal.

(11) Engine knock signal circuit

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

(12) Air fuel ratio signal system

The air fuel ratio is detected and input as a control signal into TERMINALS AF1A+, AF2A+ of the engine and ECT ECU (A/T) or engine ECU (M/T).

2. CONTROL SYSTEM

* EFI system

The EFI system monitors the engine condition through the signals input from each sensor to the engine and ECT ECU (A/T) or engine ECU (M/T). And the control signal is output to TERMINALS #10, #20, #30, #40 of the engine and ECT ECU (A/T) or engine ECU (M/T) to operate the injector (Inject the fuel). The EFI system controls the fuel injection operation by the engine and ECT ECU (A/T) or engine ECU (M/T) 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 (A/T) or engine ECU (M/T) from each sensor. The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T) and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

* Heated oxygen sensor heater control system

The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensors to improve detection performance of the sensors. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1B and HT2B to control the heater.

* ISC system

The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle-up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, outputs current to TERMINAL RSD, and controls the ISC valve.

3. DIAGNOSIS SYSTEM

With the diagnosis system, when there is a malfunction in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

ENGINE CONTROL (1AZ-FE)

SERVICE HINTS

E3 (A), E4 (B), E5 (C), E6 (D), E7 (E) ENGINE AND ECT ECU (A/T) OR ENGINE ECU (M/T)

BATT-E1 : Always **9.0-14.0** volts
VC-E2 : **4.5-5.5** volts (Ignition SW at **ON** position)
VTA-E2 : **0.3-1.0** 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)
TAC-E1 : Pulse generation (Engine idling)
STA-E1 : **6.0** volts or more (Engine cranking)
FC-E01 : **9.0-14.0** volts (Ignition SW at **ON** position)
SPD-E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W-E01 : 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)
STP-E1 : **7.5-14.0** volts (Ignition SW on and brake pedal depressed)
Below **1.5** volts (Ignition SW on and brake pedal released)
KNK1-E1 : Pulse generation (Engine idling)
PSW-E1 : **9.0-14.0** volts (Ignition SW at **ON** position)
IGSW-E1 : **9.0-14.0** volts (Ignition SW at **ON** position)
MREL-E1 : **9.0-14.0** volts (Ignition SW at **ON** position)
G22+, NE+ -NE- : Pulse generation (Engine idling)
HAF1A-E04 : Below **3.0** volts (Engine idling)
OCV+ -OCV- : Pulse generation (Ignition SW at **ON** position)
HT1B, HT2B-E1 : **9.0-14.0** volts (Engine idling)
Below **3.0** volts (Ignition SW at **ON** position)
AF1A+, AF2A+ -E1 : **3.3** volts (Ignition SW at **ON** position)
AF1A-, AF2A- -E1 : **3.0** volts (Ignition SW at **ON** position)
OX1B, OX2B-E1 : Pulse generation (Maintain engine speed at **2500** rpm for 90 sec. after warming up)
IGT1, IGT2, IGT3, IGT4-E1 : Pulse generation (Engine idling)
#10, #20, #30, #40-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
A8	88 (LHD 1AZ-FE)	E6 D	92 (LHD)	I10	92 (LHD)
	98 (RHD 1AZ-FE)		102 (RHD)		102 (RHD)
A9	88 (LHD 1AZ-FE)	E7 E	92 (LHD)	J6	93 (LHD)
	98 (RHD 1AZ-FE)		102 (RHD)		103 (RHD)
A10	88 (LHD 1AZ-FE)	F14	88 (LHD 1AZ-FE)	J7	93 (LHD)
	98 (RHD 1AZ-FE)		98 (RHD 1AZ-FE)		103 (RHD)
C1	88 (LHD 1AZ-FE)	F18	94 (LHD 5-Door)	J10	93 (LHD)
	98 (RHD 1AZ-FE)		96 (LHD 3-Door)		103 (RHD)
C2	88 (LHD 1AZ-FE)		104 (RHD 5-Door)	J11	93 (LHD)
	98 (RHD 1AZ-FE)		106 (RHD 3-Door)		103 (RHD)
C4	88 (LHD 1AZ-FE)	H7	89 (LHD 1AZ-FE)	K1	89 (LHD 1AZ-FE)
	98 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
C6	92 (LHD)	H8	89 (LHD 1AZ-FE)	P1	89 (LHD 1AZ-FE)
	102 (RHD)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
C10 A	92 (LHD)	I1	89 (LHD 1AZ-FE)	R3	93 (LHD)
	102 (RHD)		99 (RHD 1AZ-FE)		103 (RHD)
C11 B	92 (LHD)	I2	89 (LHD 1AZ-FE)	S9 A	93 (LHD)
	102 (RHD)		99 (RHD 1AZ-FE)		103 (RHD)
C12 C	92 (LHD)	I3	89 (LHD 1AZ-FE)	S10 B	93 (LHD)
	102 (RHD)		99 (RHD 1AZ-FE)		103 (RHD)
C13 D	92 (LHD)	I4	89 (LHD 1AZ-FE)	S11	93 (LHD)
	102 (RHD)		99 (RHD 1AZ-FE)		103 (RHD)
D3	92 (LHD)	I5	89 (LHD 1AZ-FE)	T1	89 (LHD 1AZ-FE)
	102 (RHD)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
E2	88 (LHD 1AZ-FE)	I6	89 (LHD 1AZ-FE)	V1	89 (LHD 1AZ-FE)
	98 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
E3 A	92 (LHD)	I7	89 (LHD 1AZ-FE)	V2	89 (LHD 1AZ-FE)
	102 (RHD)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
E4 B	92 (LHD)	I8	89 (LHD 1AZ-FE)	V3	89 (LHD 1AZ-FE)
	102 (RHD)		99 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)
E5 C	92 (LHD)	I9	89 (LHD 1AZ-FE)		
	102 (RHD)		99 (RHD 1AZ-FE)		

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1C		
1D		
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2C	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2E		
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2H	83	
2J		
2L		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	120 (RHD 1AZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IB2	124 (RHD)	
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

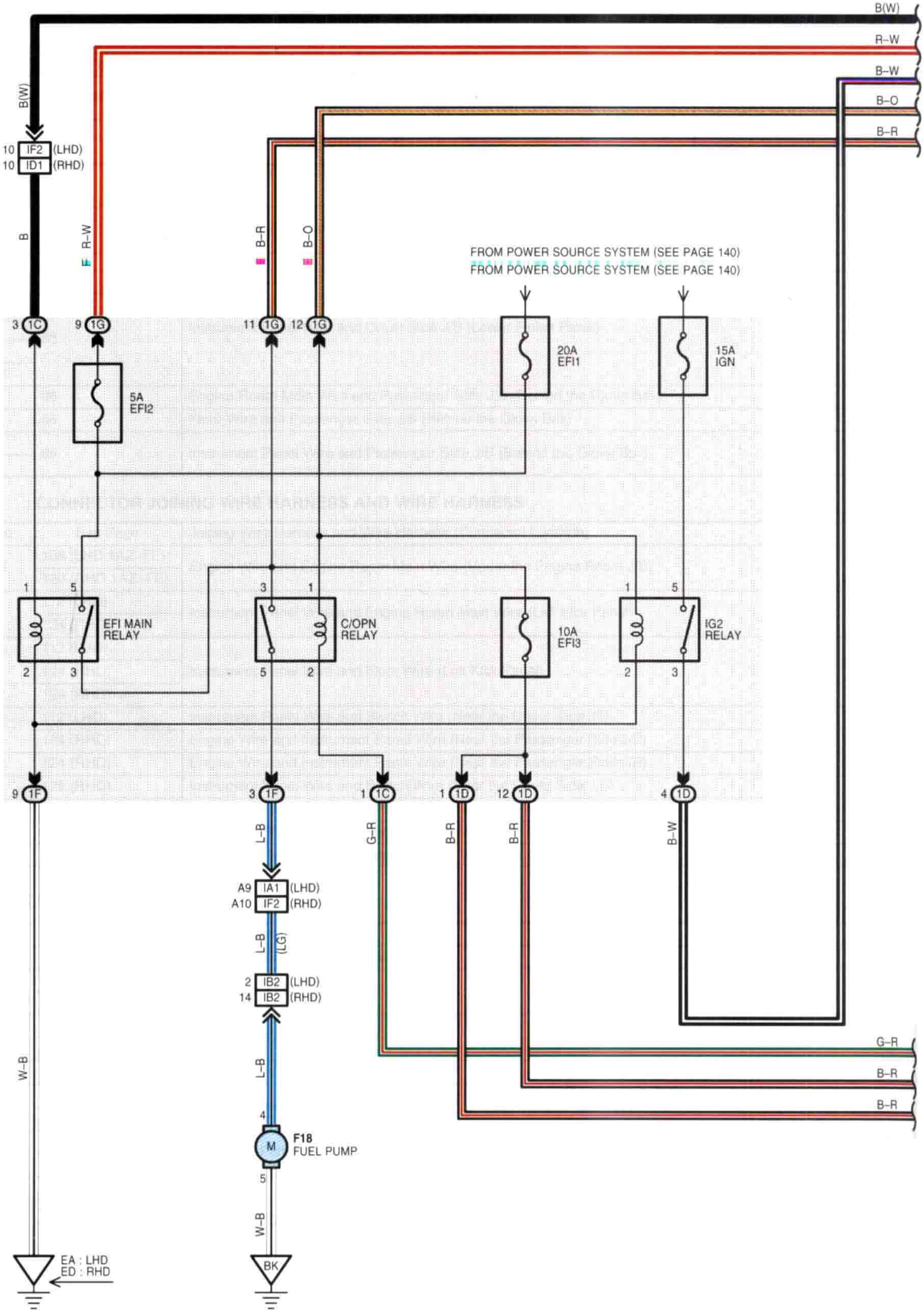
: GROUND POINTS

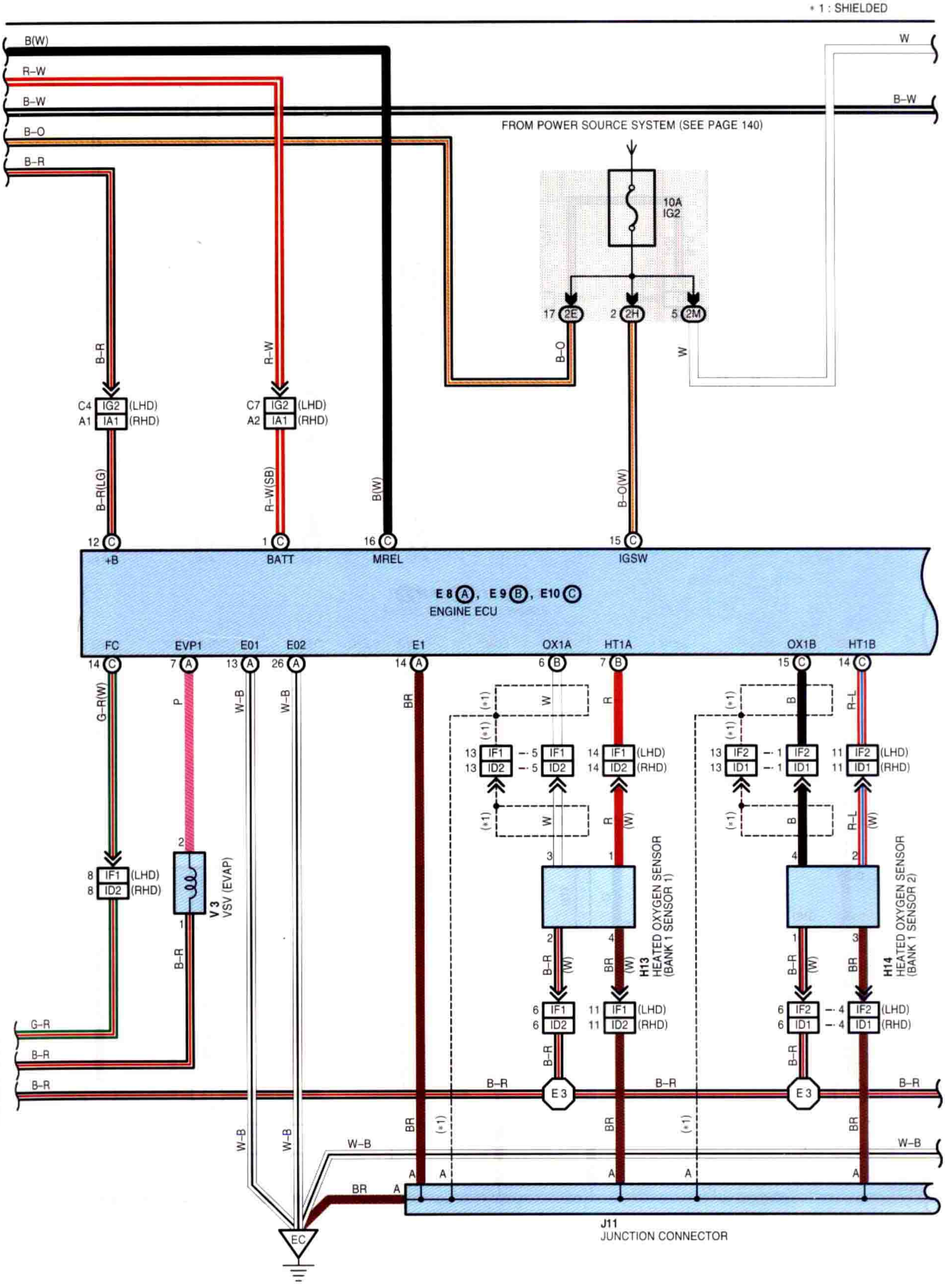
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
EB	108 (LHD 1AZ-FE)	Intake Side of Cylinder Block
	120 (RHD 1AZ-FE)	
EC	108 (LHD 1AZ-FE)	Left Side of Cylinder Head
	120 (RHD 1AZ-FE)	
ED	120 (RHD 1AZ-FE)	Front Left Side of Fender Apron
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

: SPLICE POINTS

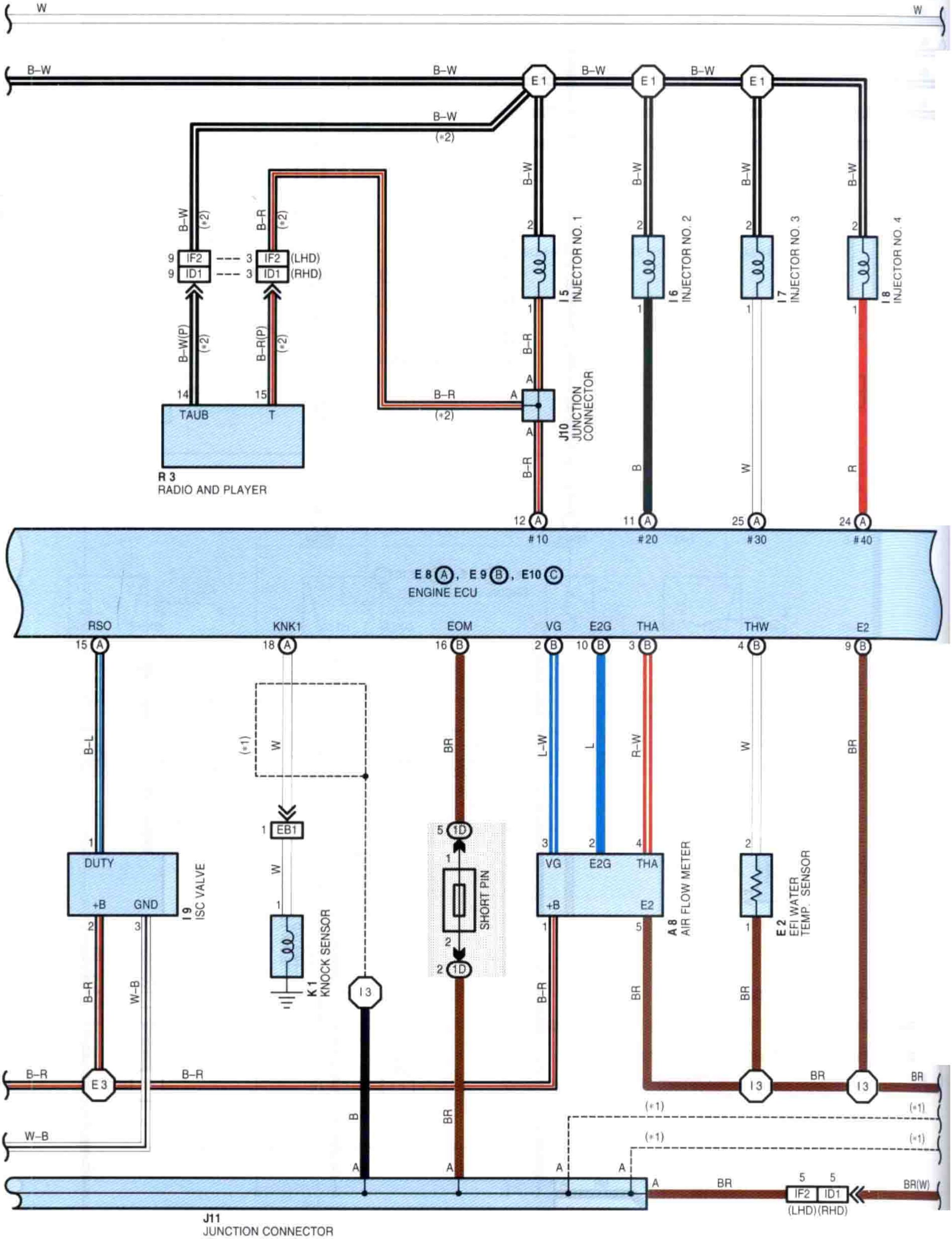
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	108 (LHD 1AZ-FE)	Engine Wire	E4	108 (LHD 1AZ-FE)	Engine Room Main Wire
	120 (RHD 1AZ-FE)			120 (RHD 1AZ-FE)	
E3	108 (LHD 1AZ-FE)		I3	114 (LHD)	Engine Wire
	120 (RHD 1AZ-FE)			126 (RHD)	

ENGINE CONTROL (1ZZ-FE)




* 1 : SHIELDED
B(W)
R–W
B–W
B–O
B–R
W
B–W
FROM POWER SOURCE SYSTEM (SEE PAGE 140)
10A
IG2
17 2E
2 2H
5 2M
B–O
W
B–R
R–W
B(W)
B–O(W)
C4 IG2 (LHD)
A1 IA1 (RHD)
C7 IG2 (LHD)
A2 IA1 (RHD)
B–R(LG)
R–W(SB)
12 C
1 C
16 C
15 C
+B
BATT
MREL
IGSW
E8 A, E9 B, E10 C
ENGINE ECU
FC
EVP1
E01
E02
E1
OX1A
HT1A
OX1B
HT1B
14 C
7 A
13 A
26 A
14 A
6 B
7 B
15 C
14 C
G–R(W)
P
W–B
W–B
BR
R
R–L
8 IF1 (LHD)
8 ID2 (RHD)
V3
VSV (EVAP)
B–R
G–R
B–R
B–R
13 IF1 5 IF1 14 IF1 (LHD)
13 ID2 5 ID2 14 ID2 (RHD)
H13
HEATED OXYGEN SENSOR
(BANK 1 SENSOR 1)
6 IF1 11 IF1 (LHD)
6 ID2 11 ID2 (RHD)
13 IF2 1 IF2 11 IF2 (LHD)
13 ID1 1 ID1 11 ID1 (RHD)
H14
HEATED OXYGEN SENSOR
(BANK 1 SENSOR 2)
6 IF2 4 IF2 (LHD)
6 ID1 4 ID1 (RHD)
E3
E3
B–R
B–R
B–R
W–B
W–B
W–B
BR
BR
BR
BR
A
A
A
A
A
A
EC
J11
JUNCTION CONNECTOR

ENGINE CONTROL (1ZZ-FE)



* 1 : SHIELDED
* 2 : W/ MULTI DISPLAY

W

W

FROM POWER SOURCE SYSTEM (SEE PAGE 140)

1
5A
ST
2

1
10A
STOP
3 2H

2
S11
STOP LIGHT SW
1

R-W
(P)
5 ID1 (LHD)
2 IE1 (RHD)

R-W

G-W
8 ID1 (LHD)
7 IE1 (RHD)

G-W(P)
6 2H
5 2H

G-W(W)
4 C STP

TO PASSENGER SIDE J/B ECU

R-Y(W)
12 IF1 (LHD)
12 ID2 (RHD)
R-Y
4 A ACMG

TO WATER TEMP. SW OR A/C SINGLE PRESSURE SW

LG-B
9 A FAN

FROM A/C AMPLIFIER

Y-G
117 (LHD)
116 (RHD)
J7
JUNCTION CONNECTOR
107 (LHD)
106 (RHD)
Y-G(W)
10 C AC

B-R
C10 IG2 (LHD)
A16 IA1 (RHD)
B-R(W)
11 C STA

1
C2
CAMSHAFT TIMING OIL CONTROL VALVE
2

W
1 A OCV-

W-R
2 A OCV+

E8 A, E9 B, E10 C
ENGINE ECU

VTA 11 B
VC 1 B
G2 12 B
NE- 13 B
NE+ 5 B
PS 8 A

L-R
Y
P
P

3
1
VTA
VC
E2
2
T1
THROTTLE POSITION SENSOR
BR

I3

(*1)
Y
L
1
2
C1
CAMSHAFT POSITION SENSOR

(*1)
G
R
1
2
C4
CRANKSHAFT POSITION SENSOR

1
P1
POWER STEERING OIL PRESSURE SW

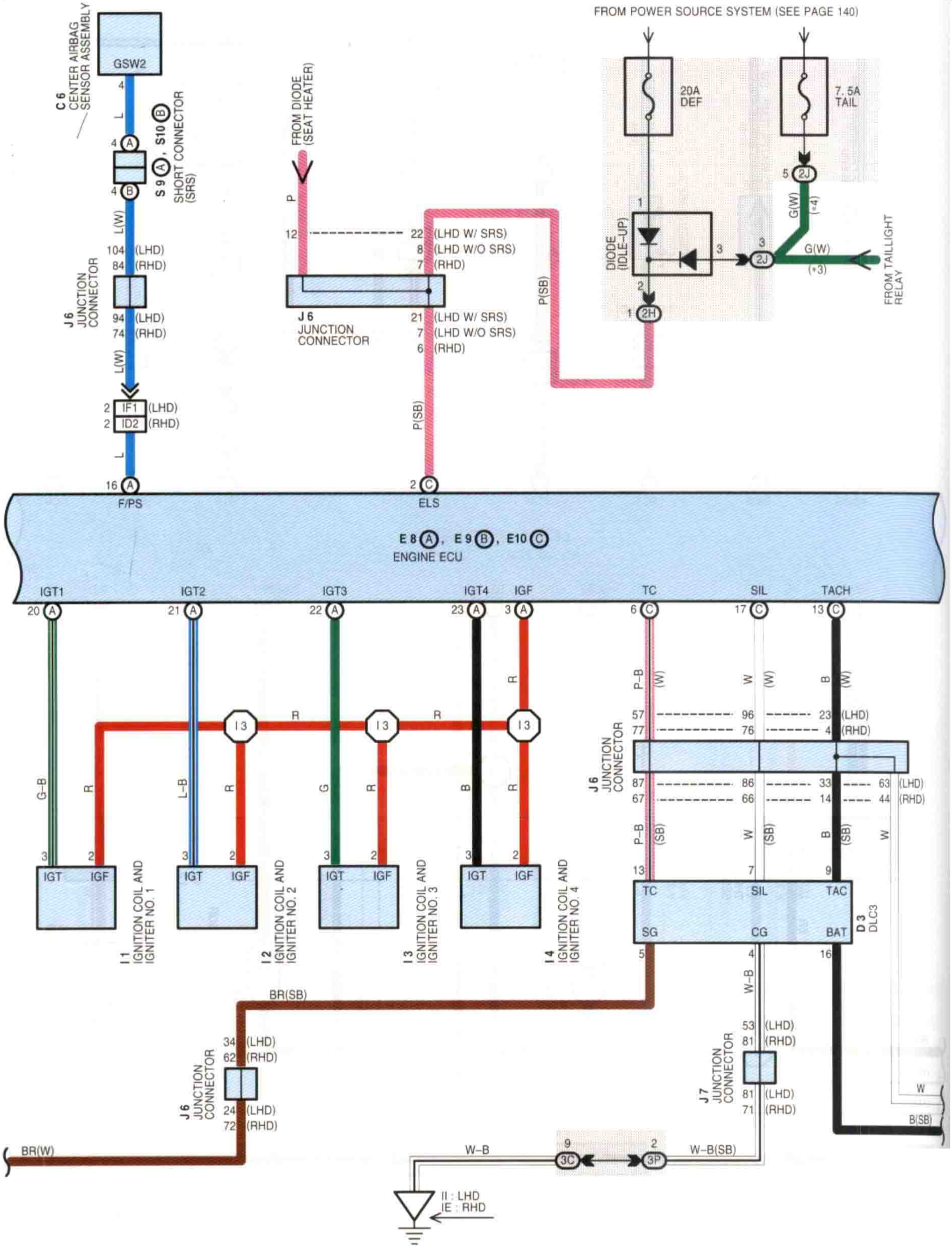
BR

(*1)

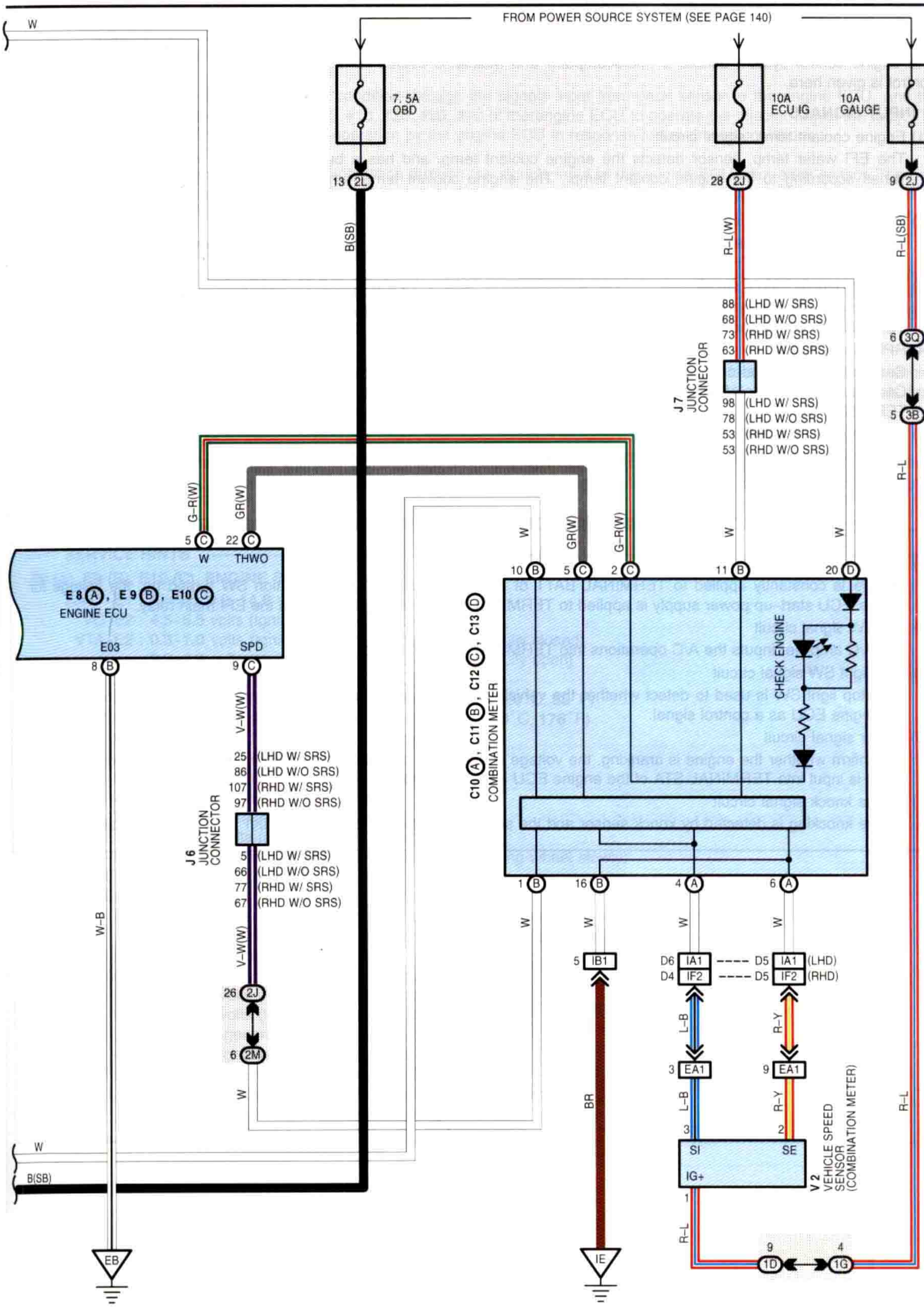
(*1)

BR(W)

BR(W)


W
W
FROM POWER SOURCE SYSTEM (SEE PAGE 140)
20A DEF
7.5A TAIL
DIODE (IDLE-UP)
FROM TAILLIGHT RELAY
C6 CENTER AIRBAG SENSOR ASSEMBLY
GSW2
SHORT CONNECTOR (SRS)
FROM DIODE (SEAT HEATER)
J6 JUNCTION CONNECTOR
J6 JUNCTION CONNECTOR
F/PS
ELS
E8 A, E9 B, E10 C
ENGINE ECU
IGT1
IGT2
IGT3
IGT4
IGF
TC
SIL
TACH
I1 IGNITION COIL AND IGNITER NO. 1
I2 IGNITION COIL AND IGNITER NO. 2
I3 IGNITION COIL AND IGNITER NO. 3
I4 IGNITION COIL AND IGNITER NO. 4
J6 JUNCTION CONNECTOR
D3 DLC3
J6 JUNCTION CONNECTOR
J7 JUNCTION CONNECTOR
II : LHD
IE : RHD

* 3 : W/ DAYTIME RUNNING LIGHT
* 4 : W/O DAYTIME RUNNING LIGHT



ENGINE CONTROL (1ZZ-FE)

SYSTEM OUTLINE

The engine control system utilizes a microcomputer and maintains overall control of the engine. 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 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 ECU.

(3) Oxygen density signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensors and input as a control signal to TERMINALS OX1A and OX1B of the engine ECU.

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2 of the engine ECU, and engine RPM is input into 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 VTA of the engine ECU.

(6) Vehicle speed circuit

The speed sensor (Combination meter) detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine ECU.

(7) Battery signal circuit

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

(8) A/C SW signal circuit

The A/C amplifier inputs the A/C operations into TERMINAL AC of the engine ECU.

(9) 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 ECU as a control signal.

(10) 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 ECU as a control signal.

(11) Engine knock signal circuit

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

2. CONTROL SYSTEM

* EFI system

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

* ESA system

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

* Heated oxygen sensor heater control system

The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensors to improve detection performance of the sensors. The engine ECU evaluates the signals from each sensor, and outputs current to TERMINALS HT1A and HT1B to control the heater.

* ISC system

The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle-up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine ECU evaluates the signals from each sensor, outputs current to TERMINAL RSO, and controls the ISC valve.

3. DIAGNOSIS SYSTEM

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

SERVICE HINTS

E8 (A), E9 (B), E10 (C) ENGINE ECU

BATT–E1 : Always **9.0–14.0** volts
VC–E2 : **4.5–5.5** volts (Ignition SW at **ON** position)
VTA–E2 : **0.3–1.0** 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–E01 : **9.0–14.0** volts (Ignition SW at **ON** position)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E01 : Below **3.0** volts (Ignition SW at **ON** position)
EVP1–E01 : **9.0–14.0** volts (Ignition SW at **ON** position)
STP–E1 : **7.5–14.0** volts (Ignition SW on and brake pedal depressed)
Below **1.5** volts (Ignition SW on and brake pedal released)
KNK1–E1 : Pulse generation (Engine idling)
PS–E1 : **9.0–14.0** volts (Ignition SW at **ON** position)
IGSW–E1 : **9.0–14.0** volts (Ignition SW at **ON** position)
MREL–E1 : **9.0–14.0** volts (Ignition SW at **ON** position)
G2, NE+ –NE– : Pulse generation (Engine idling)
OCV+ –OCV– : Pulse generation (Ignition SW at **ON** position)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine idling)
#10, #20, #30, #40–E01 : **9.0–14.0** volts (Ignition SW at **ON** position)
Pulse generation (Engine idling)

○ : PARTS LOCATION

Code		See Page
A8		90 (LHD 1ZZ-FE)
		100 (RHD 1ZZ-FE)
C1		90 (LHD 1ZZ-FE)
		100 (RHD 1ZZ-FE)
C2		90 (LHD 1ZZ-FE)
		100 (RHD 1ZZ-FE)
C4		90 (LHD 1ZZ-FE)
		100 (RHD 1ZZ-FE)
C6		92 (LHD)
		102 (RHD)
C10	A	92 (LHD)
		102 (RHD)
C11	B	92 (LHD)
		102 (RHD)
C12	C	92 (LHD)
		102 (RHD)
C13	D	92 (LHD)
		102 (RHD)
D3		92 (LHD)
		102 (RHD)
E2		90 (LHD 1ZZ-FE)
		100 (RHD 1ZZ-FE)
E8	A	92 (LHD)
		102 (RHD)
E9	B	92 (LHD)
		102 (RHD)
E10	C	92 (LHD)

Code		See Page
E10	C	102 (RHD)
F18		94 (LHD 5-Door)
		96 (LHD 3-Door)
		104 (RHD 5-Door)
		106 (RHD 3-Door)
H13		92 (LHD)
		102 (RHD)
H14		92 (LHD)
		102 (RHD)
I1		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I2		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I3		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I4		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I5		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I6		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I7		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I8		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
I9		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)

Code		See Page
J6		93 (LHD)
		103 (RHD)
J7		93 (LHD)
		103 (RHD)
J10		93 (LHD)
		103 (RHD)
J11		93 (LHD)
		103 (RHD)
K1		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
P1		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
R3		93 (LHD)
		103 (RHD)
S9	A	93 (LHD)
		103 (RHD)
S10	B	93 (LHD)
		103 (RHD)
S11		93 (LHD)
		103 (RHD)
T1		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
V2		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)
V3		91 (LHD 1ZZ-FE)
		101 (RHD 1ZZ-FE)

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1D		
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
2L		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	110 (LHD 1ZZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	122 (RHD 1ZZ-FE)	
EB1	110 (LHD 1ZZ-FE)	Engine No.4 Wire and Engine Wire (Behind the Intake Manifold)
	122 (RHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IB2	112 (LHD)	
	124 (RHD)	
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

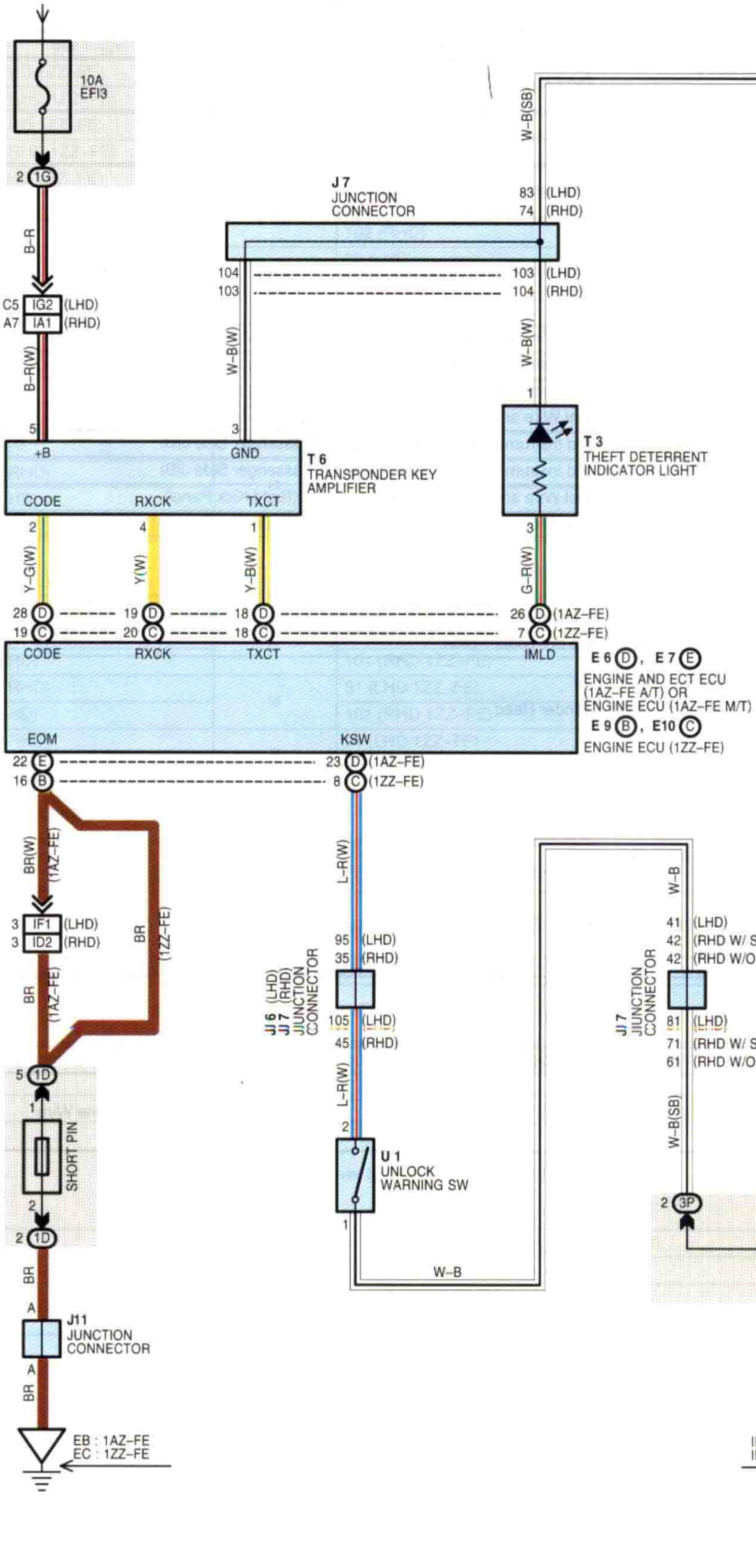
Code	See Page	Ground Points Location
EA	110 (LHD 1ZZ-FE)	Front Right Side of Fender Apron
EB	110 (LHD 1ZZ-FE)	Left Side of Cylinder Head
	122 (RHD 1ZZ-FE)	
EC	110 (LHD 1ZZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	122 (RHD 1ZZ-FE)	Front Left Side of Fender Apron
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	110 (LHD 1ZZ-FE)	Engine Wire	E3	122 (RHD 1ZZ-FE)	Engine Wire
	122 (RHD 1ZZ-FE)		I3	114 (LHD)	
E3	110 (LHD 1ZZ-FE)			126 (RHD)	

ENGINE IMMOBILISER SYSTEM

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



SERVICE HINTS

U1 UNLOCK WARNING SW

2–1 : Closed with the ignition key in cylinder

T6 TRANSPONDER KEY AMPLIFIER

3–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
E6	D	92 (LHD)	E10	C	102 (RHD)	T3	103 (RHD)
		102 (RHD)	J6		93 (LHD)	T6	93 (LHD)
E7	E	92 (LHD)	J7		93 (LHD)		103 (RHD)
		102 (RHD)			103 (RHD)	U1	93 (LHD)
E9	B	92 (LHD)	J11		93 (LHD)		103 (RHD)
		102 (RHD)			103 (RHD)		
E10	C	92 (LHD)	T3		93 (LHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1G	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

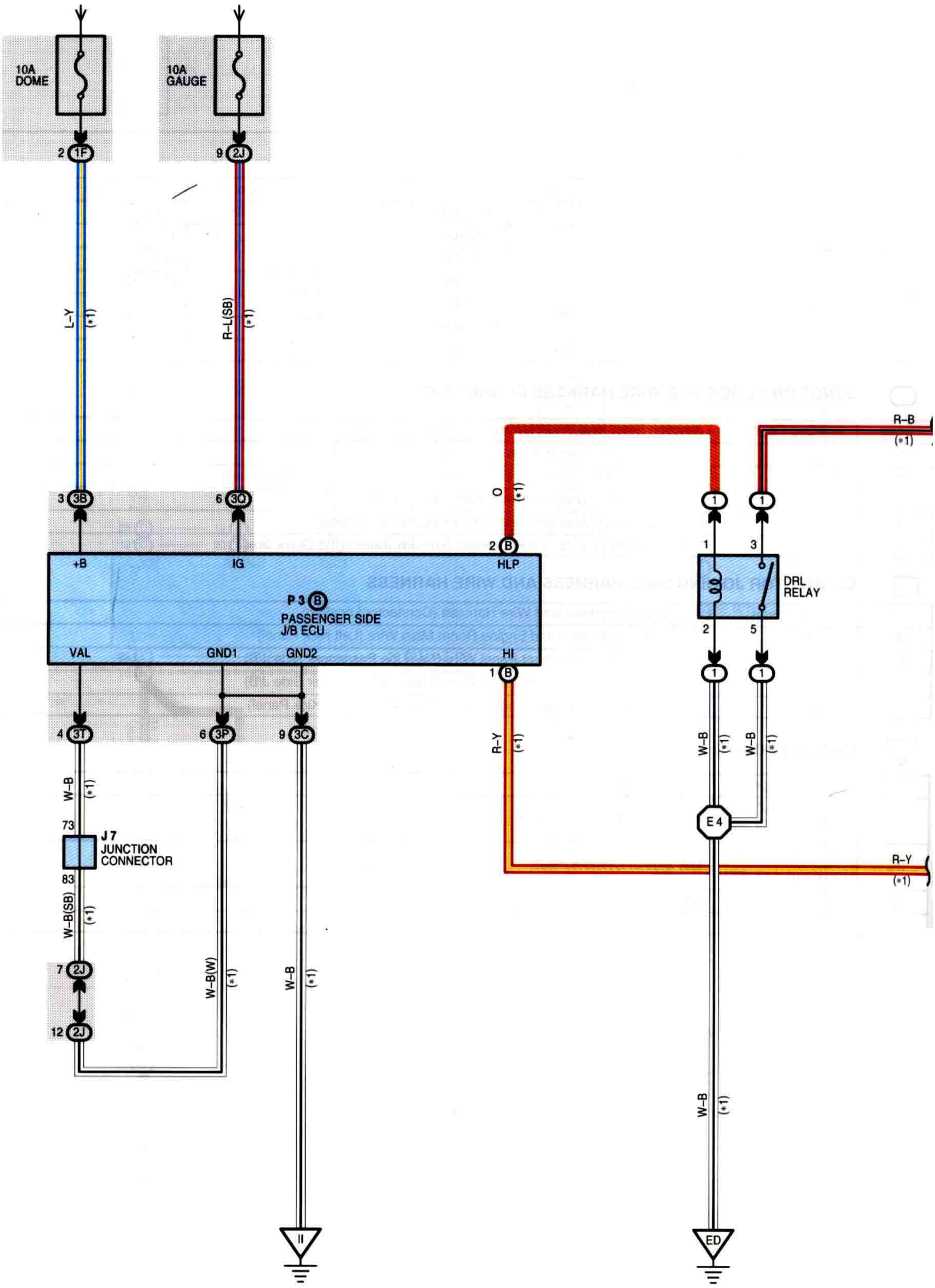
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	124 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

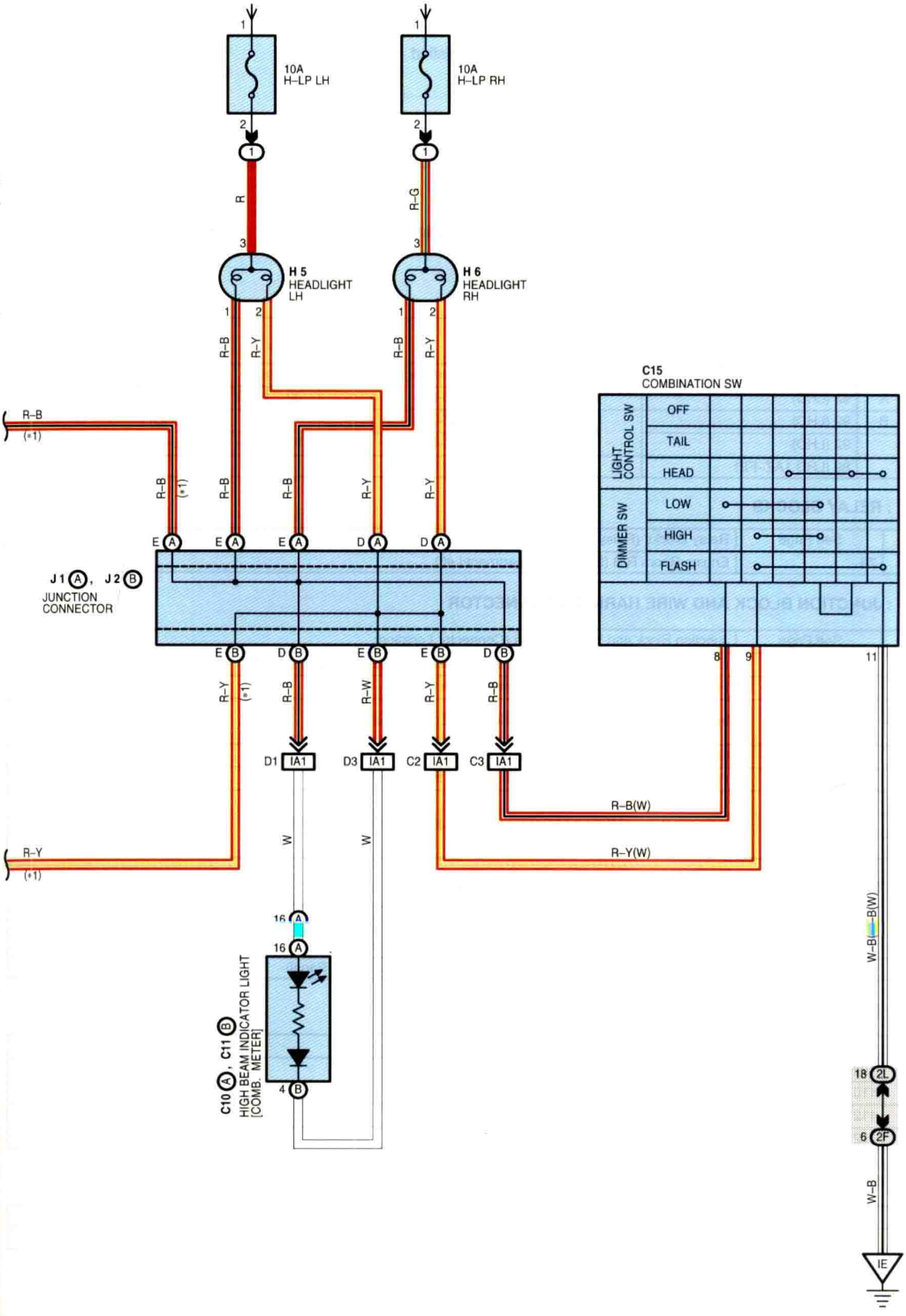
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EB	108 (LHD 1AZ–FE)	Intake Side of Cylinder Block
	120 (RHD 1AZ–FE)	
EC	108 (LHD 1AZ–FE)	Left Side of Cylinder Head
	120 (RHD 1AZ–FE)	
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

HEADLIGHT (LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 140)




FROM POWER SOURCE SYSTEM (SEE PAGE 140)
10A
H-LP LH
10A
H-LP RH
H 5
HEADLIGHT
LH
H 6
HEADLIGHT
RH
R-B
(*1)
R
R-G
R-Y
R-B(W)
R-Y(W)
W
W-B(W)
W-B
J1 A, J2 B
JUNCTION
CONNECTOR
C15
COMBINATION SW
LIGHT CONTROL SW
DIMMER SW
OFF
TAIL
HEAD
LOW
HIGH
FLASH
C10 A, C11 B
HIGH BEAM INDICATOR LIGHT
[COMB. METER]
IA1
IE

HEADLIGHT (LHD)

SYSTEM OUTLINE

DAYTIME RUNNING LIGHT OPERATION

The headlight is turned on when all the following conditions are satisfied

* When the ignition switch is ON position
* When the generator is generating electricity
* When the light control SW is OFF position

SERVICE HINTS

P3 (B) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity
VAL–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C10	A	92 (LHD)	H5		91 (LHD 1ZZ–FE)	J2	B	93 (LHD)
C11	B	92 (LHD)	H6		89 (LHD 1AZ–FE)	J7		93 (LHD)
C15		92 (LHD)			91 (LHD 1ZZ–FE)	P3	B	93 (LHD)
H5		89 (LHD 1AZ–FE)	J1	A	93 (LHD)			

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3T		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
ED	108 (LHD 1AZ–FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ–FE)	
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

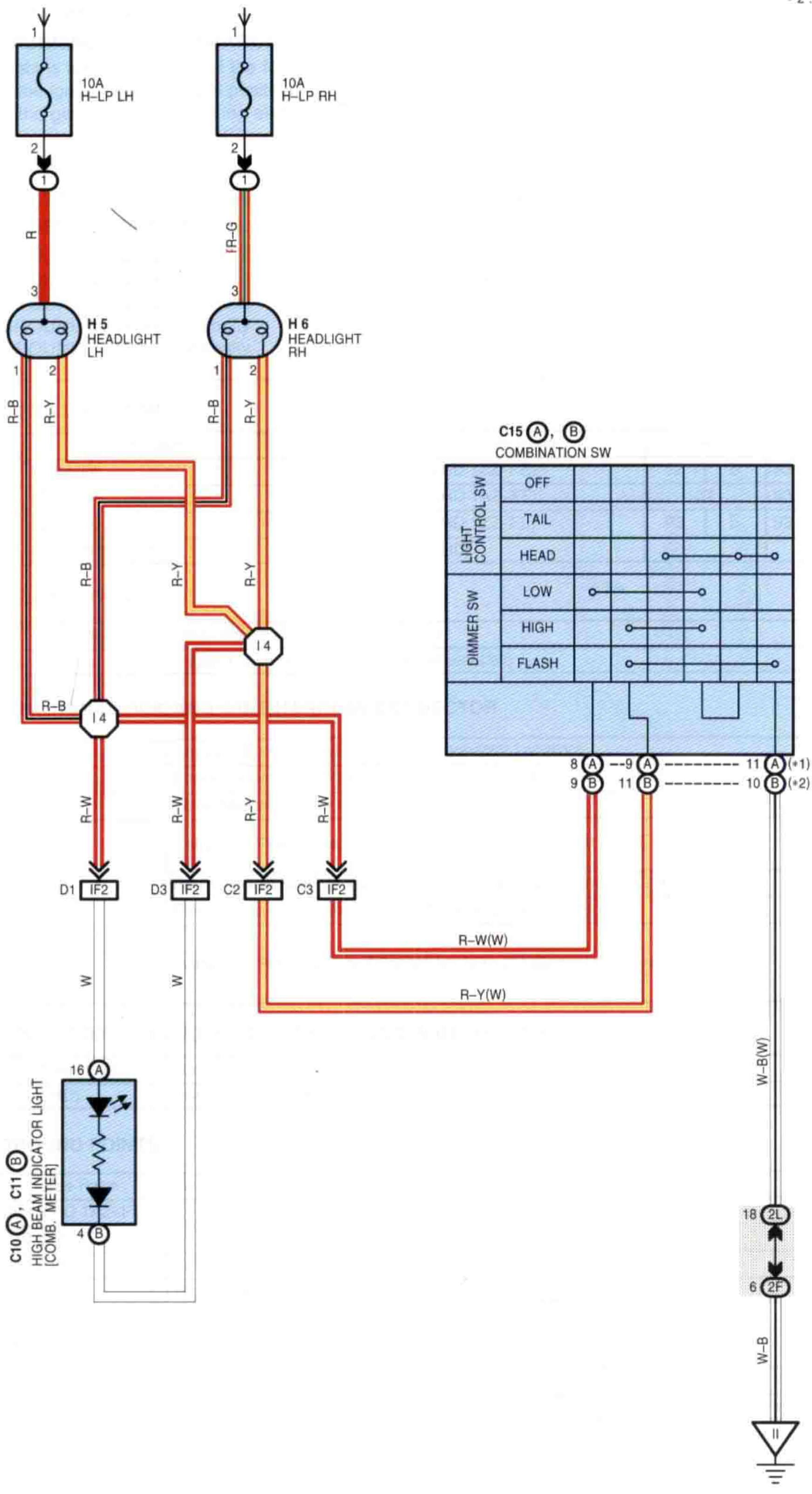
◯ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ–FE)	Engine Room Main Wire	E4	110 (LHD 1ZZ–FE)	Engine Room Main Wire

HEADLIGHT (RHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 1 : LH TURN LEVER TYPE
* 2 : RH TURN LEVER TYPE



SERVICE HINTS

C15 (A) COMBINATION SW (LH TURN LEVER TYPE)

(A) 8–(A) 11 : Closed with the light control SW at **HEAD** position and the dimmer SW at **LOW** position
(A) 9–(A) 11 : Closed with the dimmer SW at **FLASH** position
: Closed with the light control SW at **HEAD** position and the dimmer SW at **HIGH** position

C15 (B) COMBINATION SW (RH TURN LEVER TYPE)

(B) 9–(B) 10 : Closed with the light control SW at **HEAD** position and the dimmer SW at **LOW** position
(B) 11–(B) 10 : Closed with the dimmer SW at **FLASH** position
: Closed with the light control SW at **HEAD** position and the dimmer SW at **HIGH** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
C10	A	102 (RHD)	C15	B	102 (RHD)	H6	99 (RHD 1AZ–FE)
C11	B	102 (RHD)	H5		99 (RHD 1AZ–FE)		101 (RHD 1ZZ–FE)
C15	A	102 (RHD)			101 (RHD 1ZZ–FE)		

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2L	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

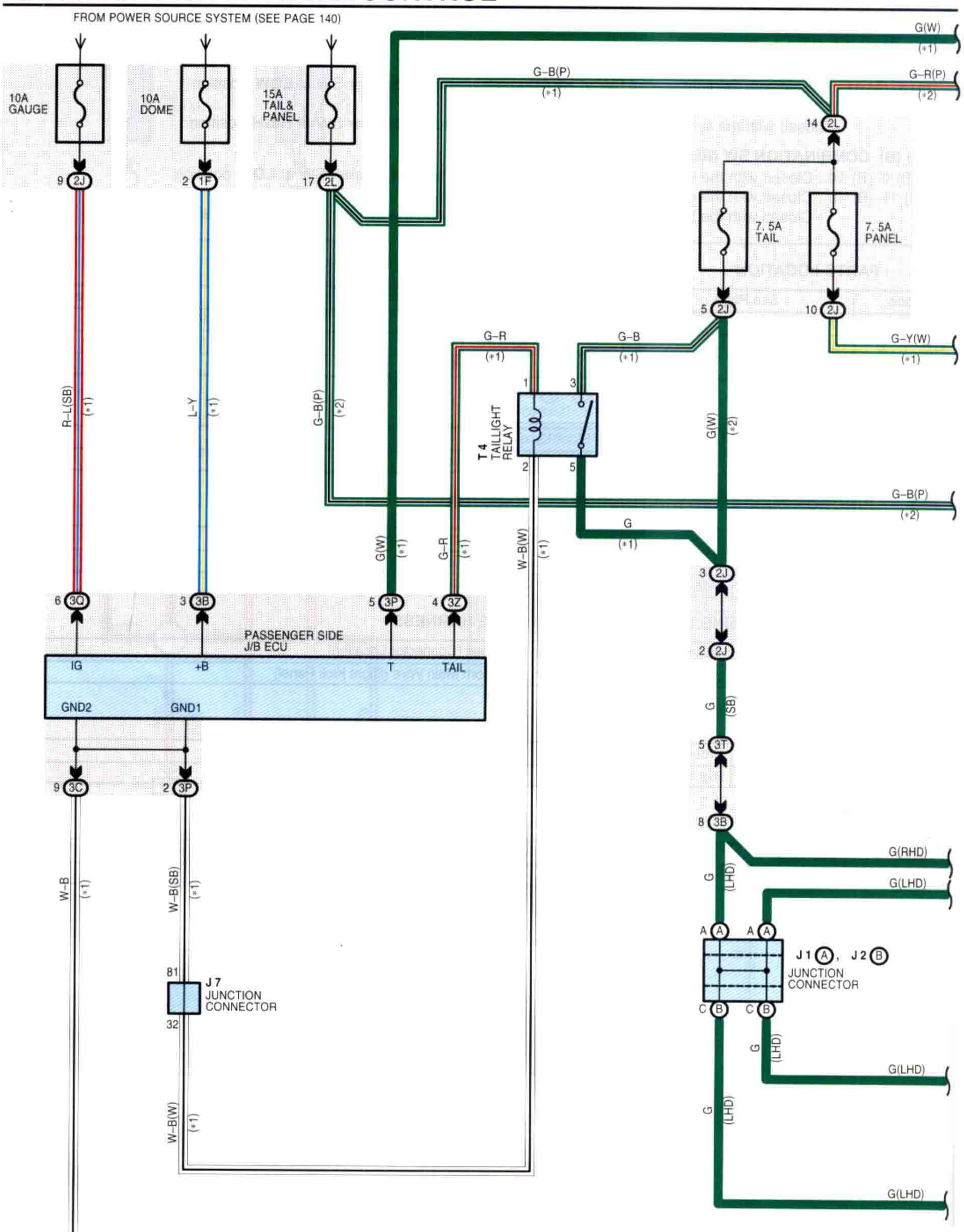
▽ : GROUND POINTS

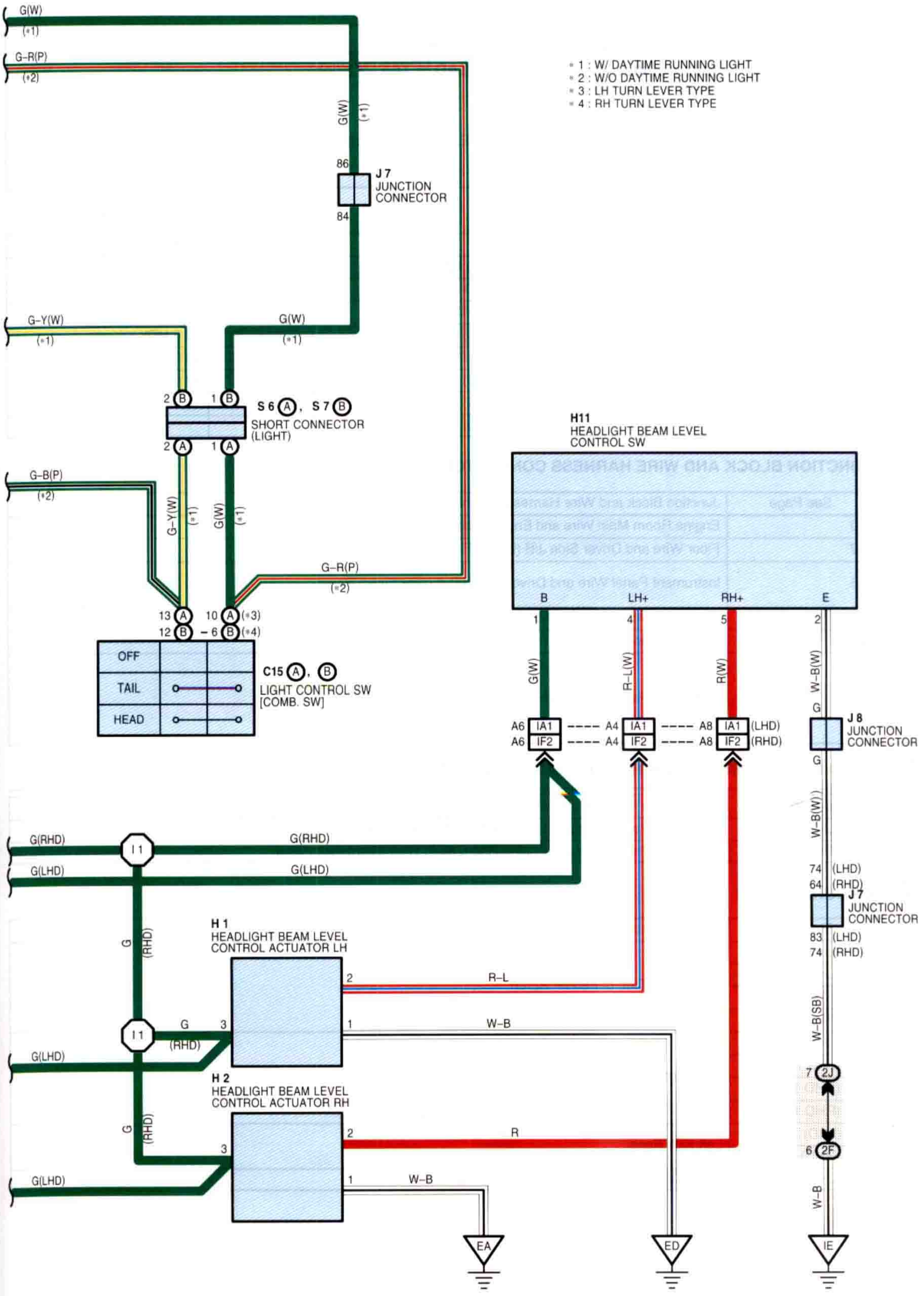
Code	See Page	Ground Points Location
II	124 (RHD)	Right Kick Panel

⯃ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	126 (RHD)	Engine Room Main Wire			

HEADLIGHT BEAM LEVEL CONTROL





* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : LH TURN LEVER TYPE
* 4 : RH TURN LEVER TYPE

HEADLIGHT BEAM LEVEL CONTROL

SERVICE HINTS

H1, H2 HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH, RH

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

H11 HEADLIGHT BEAM LEVEL CONTROL SW

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

○ : PARTS LOCATION

Code		See Page
C15	A	92 (LHD)
		102 (RHD)
	B	102 (RHD)
H1		89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)
H2		89 (LHD 1AZ-FE)
H2		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)
H11		92 (LHD)
		102 (RHD)
J1	A	93 (LHD)
J2	B	93 (LHD)
J7		93 (LHD)
J7		103 (RHD)
J8		93 (LHD)
		103 (RHD)
S6	A	93 (LHD)
S7	B	93 (LHD)
T4		93 (LHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3T		
3Z		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

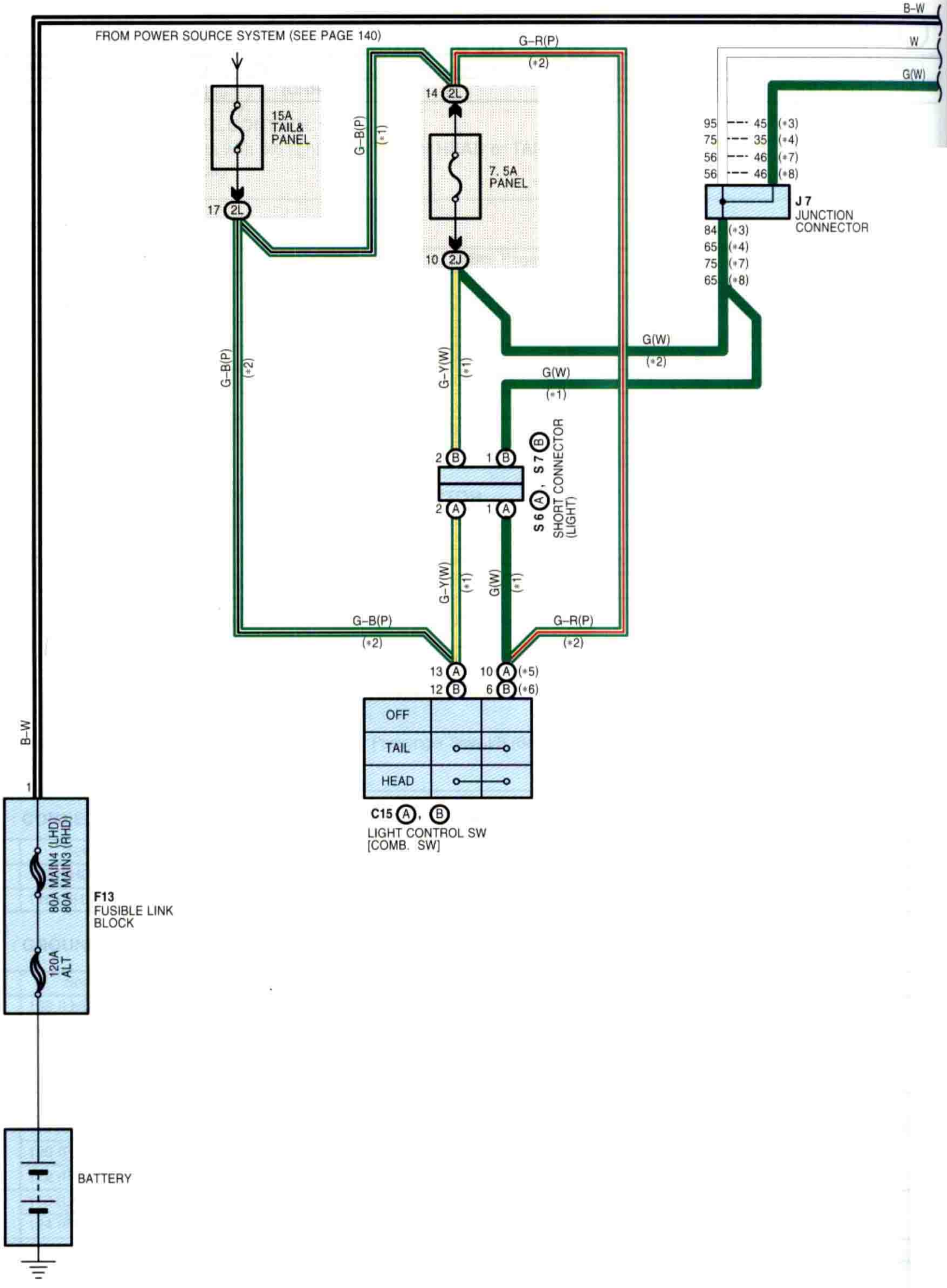
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	114 (LHD)	Engine Room Main Wire	I1	126 (RHD)	Engine Room Main Wire

FRONT FOG LIGHT



* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : LHD W/ SRS
* 4 : LHD W/O SRS
* 5 : LH TURN LEVER TYPE
* 6 : RH TURN LEVER TYPE
* 7 : RHD W/ SRS
* 8 : RHD W/O SRS

B–W
W
G(W)
1 2D
15 2J
5
1
FR FOG RELAY
3
2
15A FR FOG
29 2E
30 2E
R
1
2
F 5 FRONT FOG LIGHT LH
F 6 FRONT FOG LIGHT RH
W–B
W–B
I 4
W
13
FRONT FOG
C11 COMBINATION METER
2
W
4 2M
17 2J
R–B(W)
109 (*3)
89 (*4, RHD)
J 6 JUNCTION CONNECTOR
90 (*3)
70 (*4, RHD)
R–B(W)
W–B(W)
51 (*3)
51 (*4)
82 (*7)
72 (*8)
J 7 JUNCTION CONNECTOR
81 (*3)
61 (*4)
71 (*7)
61 (*8)
W–B(SB)
4 A – 2 A (*5)
1 B – 2 B (*6)
OFF
ON
C15 A, B
FRONT FOG LIGHT SW [COMB. SW]
2 3P
9 3C
W–B
EA
II : LHD
IE : RHD

FRONT FOG LIGHT

SERVICE HINTS

FR FOG RELAY

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

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C11		92 (LHD)	F5	100 (RHD 1ZZ-FE)	F13		100 (RHD 1ZZ-FE)
		102 (RHD)	F6	88 (LHD 1AZ-FE)	J6		93 (LHD)
C15	A	92 (LHD)		90 (LHD 1ZZ-FE)			103 (RHD)
		102 (RHD)		98 (RHD 1AZ-FE)	J7		93 (LHD)
	B	102 (RHD)		100 (RHD 1ZZ-FE)			103 (RHD)
F5		88 (LHD 1AZ-FE)	F13	88 (LHD 1AZ-FE)	S6	A	93 (LHD)
		90 (LHD 1ZZ-FE)		90 (LHD 1ZZ-FE)	S7	B	93 (LHD)
		98 (RHD 1AZ-FE)		98 (RHD 1AZ-FE)			

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2D	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2E		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

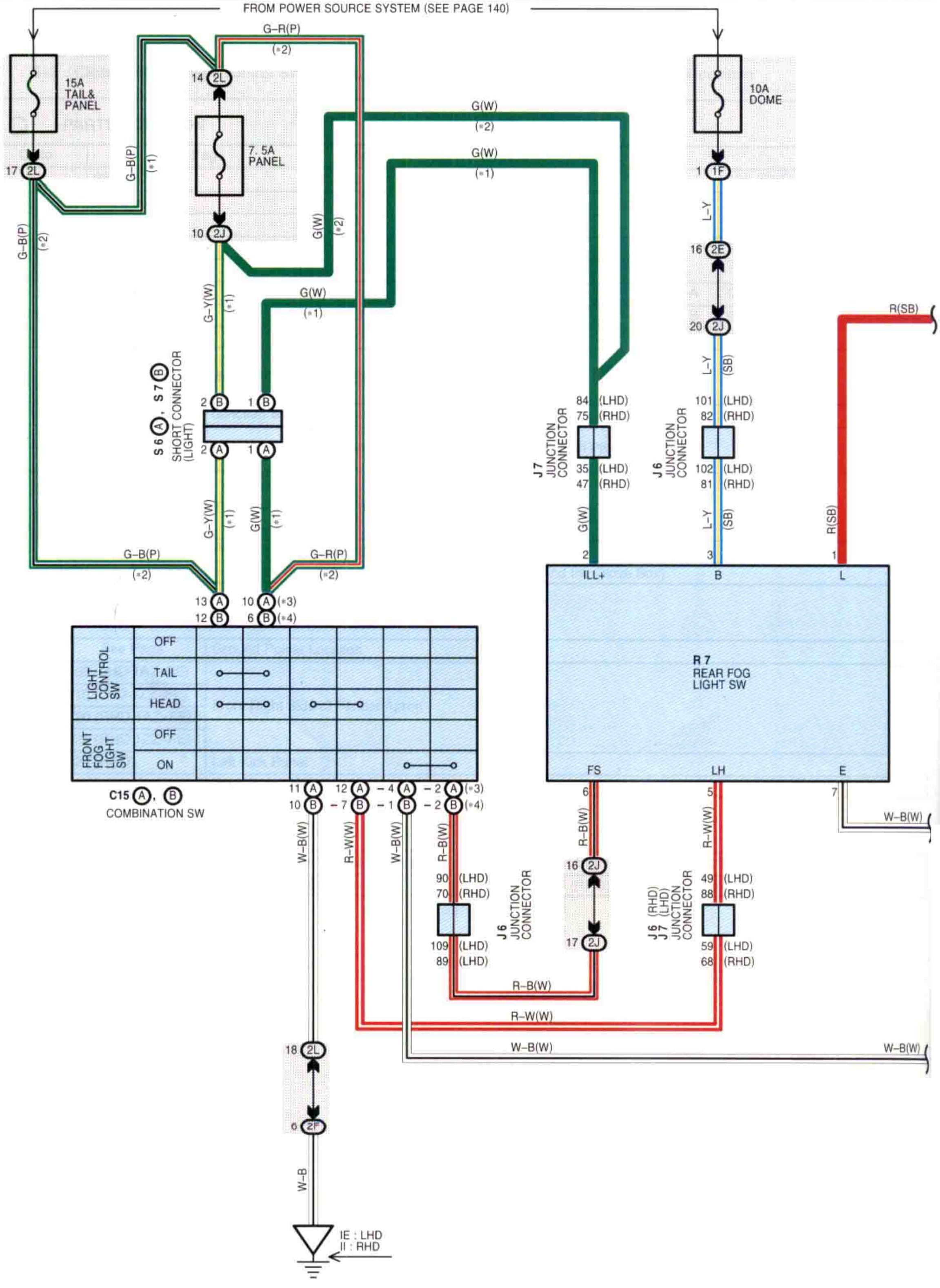
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

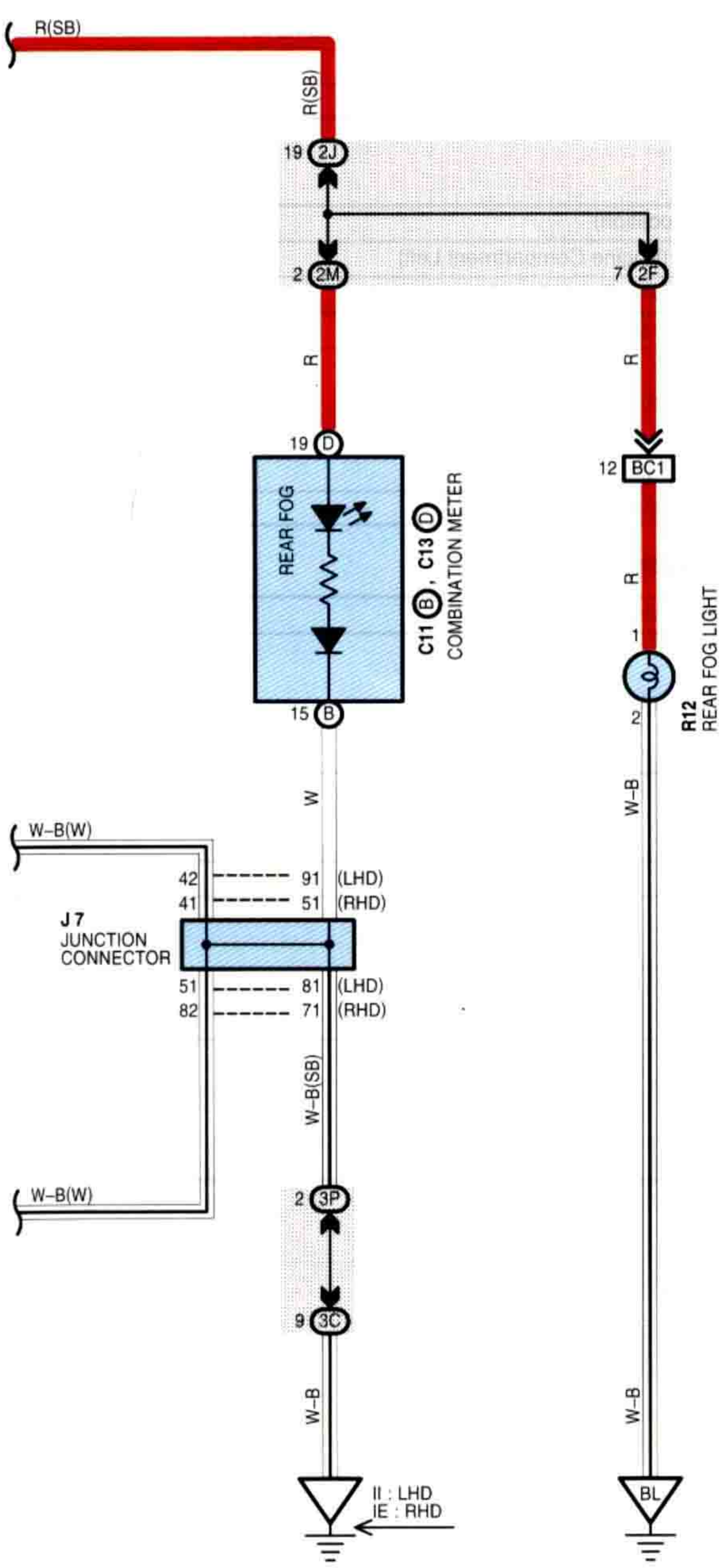
⬡ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	114 (LHD)	Engine Room Main Wire	I4	126 (RHD)	Engine Room Main Wire

REAR FOG LIGHT



* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : LH TURN LEVER TYPE
* 4 : RH TURN LEVER TYPE



REAR FOG LIGHT

SERVICE HINTS

R7 REAR FOG LIGHT SW

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

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C11	B	92 (LHD)	J6	93 (LHD)	R12		97 (LHD 3-Door)
		102 (RHD)		103 (RHD)			105 (RHD 5-Door)
C13	D	92 (LHD)	J7	93 (LHD)			107 (RHD 3-Door)
		102 (RHD)		103 (RHD)	S6	A	93 (LHD)
C15	A	92 (LHD)	R7	93 (LHD)	S7	B	93 (LHD)
		102 (RHD)		103 (RHD)			
	B	102 (RHD)	R12	95 (LHD 5-Door)			

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

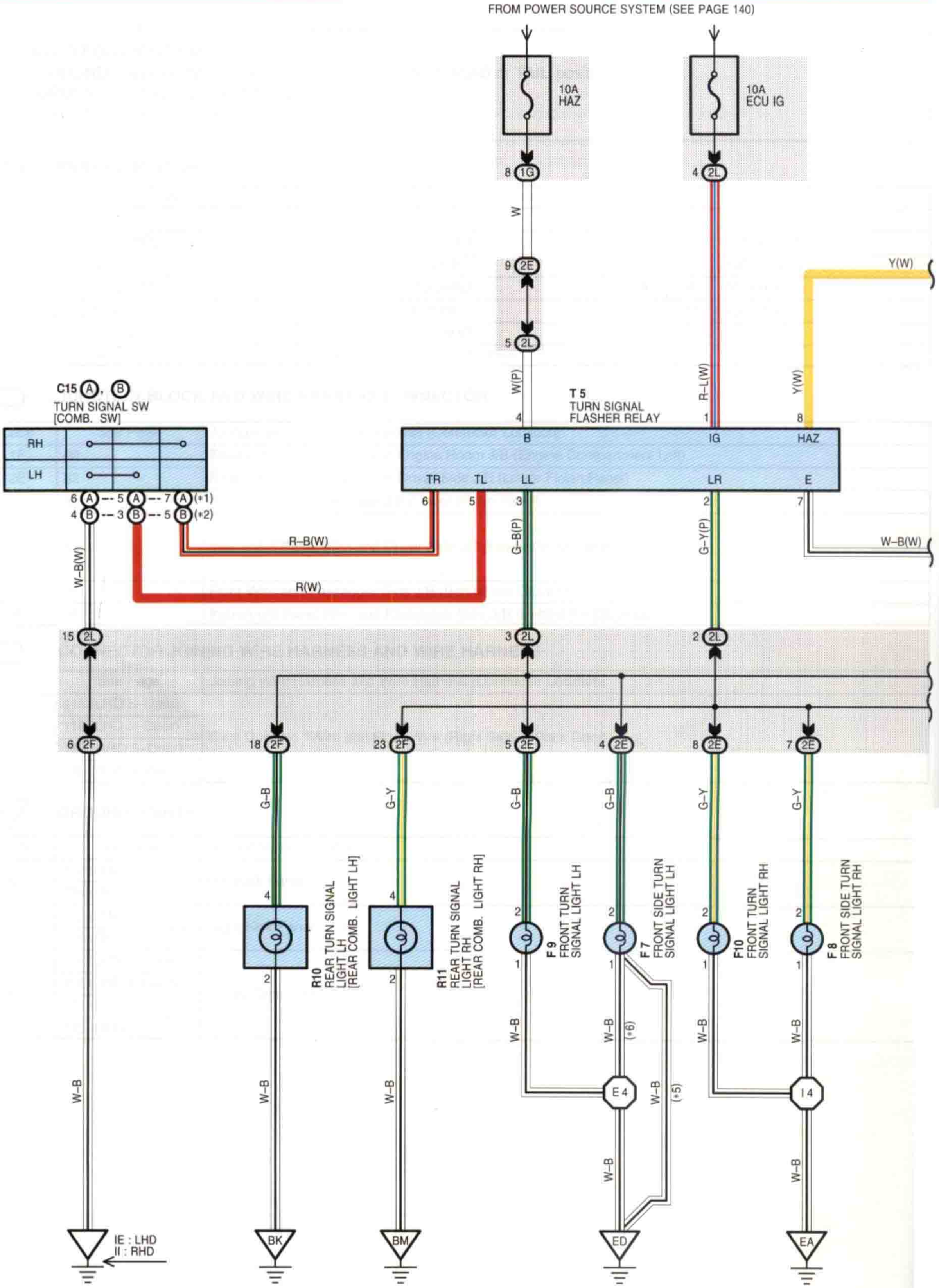
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

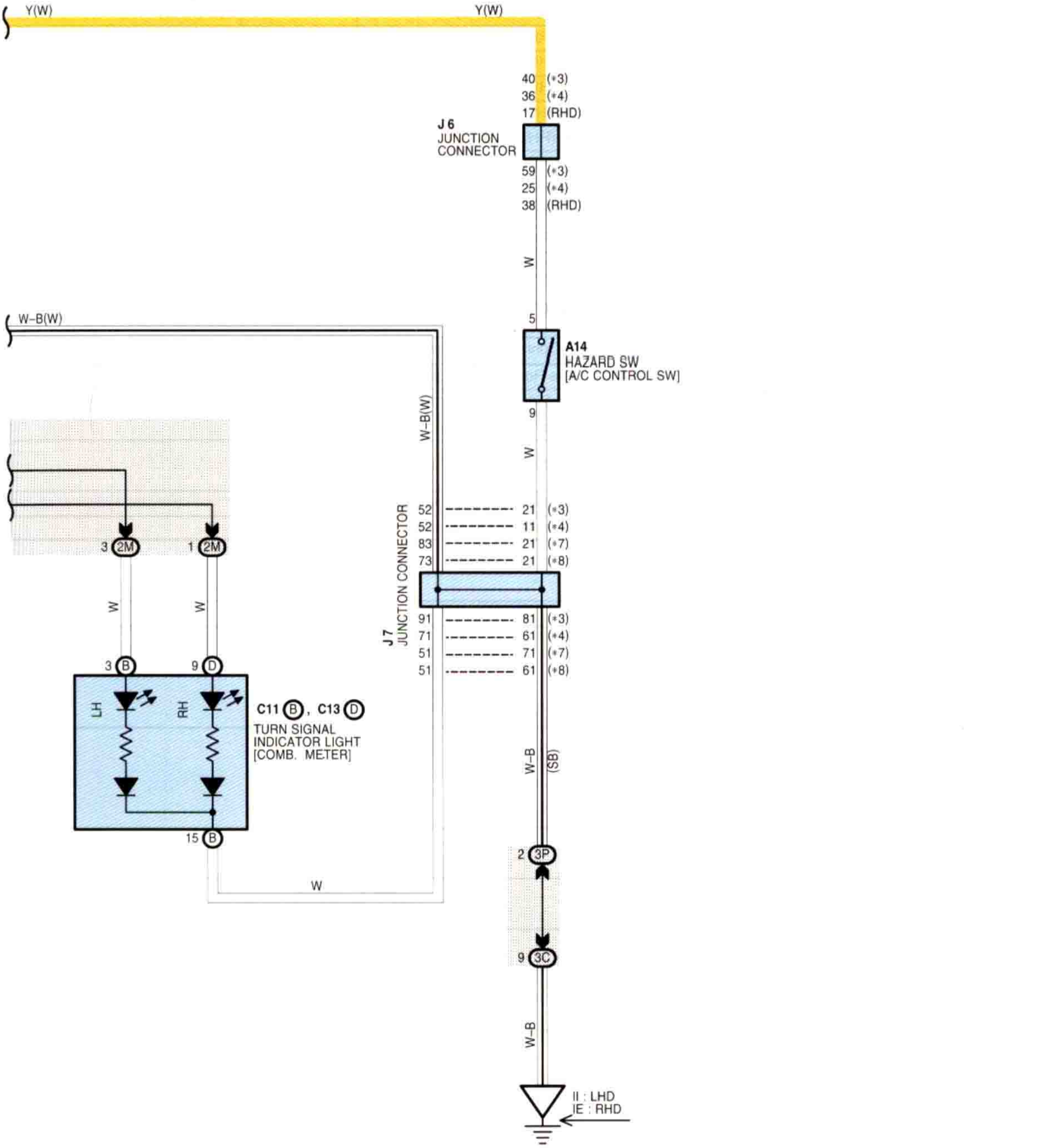
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

TURN SIGNAL AND HAZARD WARNING LIGHT



* 1 : LH TURN LEVER TYPE
* 2 : RH TURN LEVER TYPE
* 3 : LHD W/ SRS
* 4 : LHD W/O SRS
* 5 : LHD GENERAL W/O ABS
* 6 : EXCEPT *5
* 7 : RHD W/ SRS
* 8 : RHD W/O SRS



TURN SIGNAL AND HAZARD WARNING LIGHT

SERVICE HINTS

T5 TURN SIGNAL FLASHER RELAY

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

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
A14		92 (LHD)	F8	88 (LHD 1AZ–FE)	J6	103 (RHD)
		102 (RHD)		90 (LHD 1ZZ–FE)	J7	93 (LHD)
C11	B	92 (LHD)		98 (RHD 1AZ–FE)		103 (RHD)
		102 (RHD)		100 (RHD 1ZZ–FE)	R10	95 (LHD 5–Door)
C13	D	92 (LHD)	F9	88 (LHD 1AZ–FE)		97 (LHD 3–Door)
		102 (RHD)		90 (LHD 1ZZ–FE)		105 (RHD 5–Door)
C15	A	92 (LHD)		98 (RHD 1AZ–FE)		107 (RHD 3–Door)
		102 (RHD)		100 (RHD 1ZZ–FE)	R11	95 (LHD 5–Door)
	B	102 (RHD)	F10	88 (LHD 1AZ–FE)		97 (LHD 3–Door)
F7		88 (LHD 1AZ–FE)		90 (LHD 1ZZ–FE)		105 (RHD 5–Door)
		90 (LHD 1ZZ–FE)		98 (RHD 1AZ–FE)		107 (RHD 3–Door)
		98 (RHD 1AZ–FE)		100 (RHD 1ZZ–FE)	T5	93 (LHD)
		100 (RHD 1ZZ–FE)	J6	93 (LHD)		103 (RHD)

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2L	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

▽ : GROUND POINTS

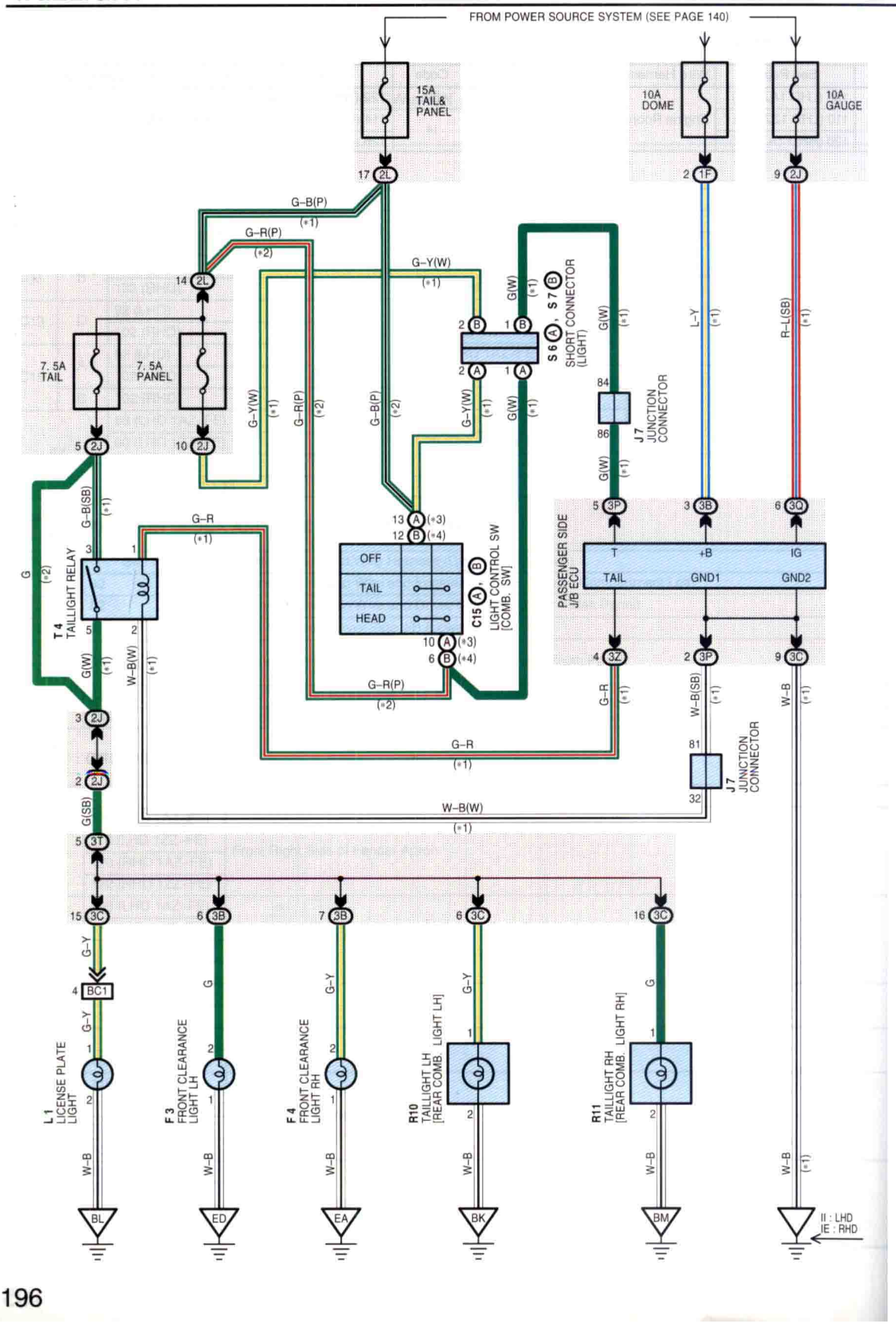
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ–FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ–FE)	
	120 (RHD 1AZ–FE)	
	122 (RHD 1ZZ–FE)	
ED	108 (LHD 1AZ–FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ–FE)	
	120 (RHD 1AZ–FE)	
	122 (RHD 1ZZ–FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BK	116 (LHD 5–Door)	Left Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BM	116 (LHD 5–Door)	Right Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	E4	122 (RHD 1ZZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)		I4	114 (LHD)	
	120 (RHD 1AZ-FE)			126 (RHD)	

TAILLIGHT

* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : LH TURN LEVER TYPE
* 4 : RH TURN LEVER TYPE



SERVICE HINTS

C15 (A) LIGHT CONTROL SW [COMB. SW] (LH TURN LEVER TYPE)

(A) 13–(A) 10 : Closed with the light control SW at **TAIL** or **HEAD** position

C15 (B) LIGHT CONTROL SW [COMB. SW] (RH TURN LEVER TYPE)

(B) 12–(B) 6 : Closed with the light control SW at **TAIL** or **HEAD** position

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C15	A	92 (LHD)	F4	98 (RHD 1AZ–FE)	R10		105 (RHD 5–Door)
		102 (RHD)		100 (RHD 1ZZ–FE)			107 (RHD 3–Door)
	B	102 (RHD)	J7	93 (LHD)	R11		95 (LHD 5–Door)
F3		88 (LHD 1AZ–FE)	L1	95 (LHD 5–Door)			97 (LHD 3–Door)
		90 (LHD 1ZZ–FE)		97 (LHD 3–Door)			105 (RHD 5–Door)
		98 (RHD 1AZ–FE)		105 (RHD 5–Door)			107 (RHD 3–Door)
		100 (RHD 1ZZ–FE)		107 (RHD 3–Door)	S6	A	93 (LHD)
F4		88 (LHD 1AZ–FE)	R10	95 (LHD 5–Door)	S7	B	93 (LHD)
		90 (LHD 1ZZ–FE)		97 (LHD 3–Door)	T4		93 (LHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3T		
3Z		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

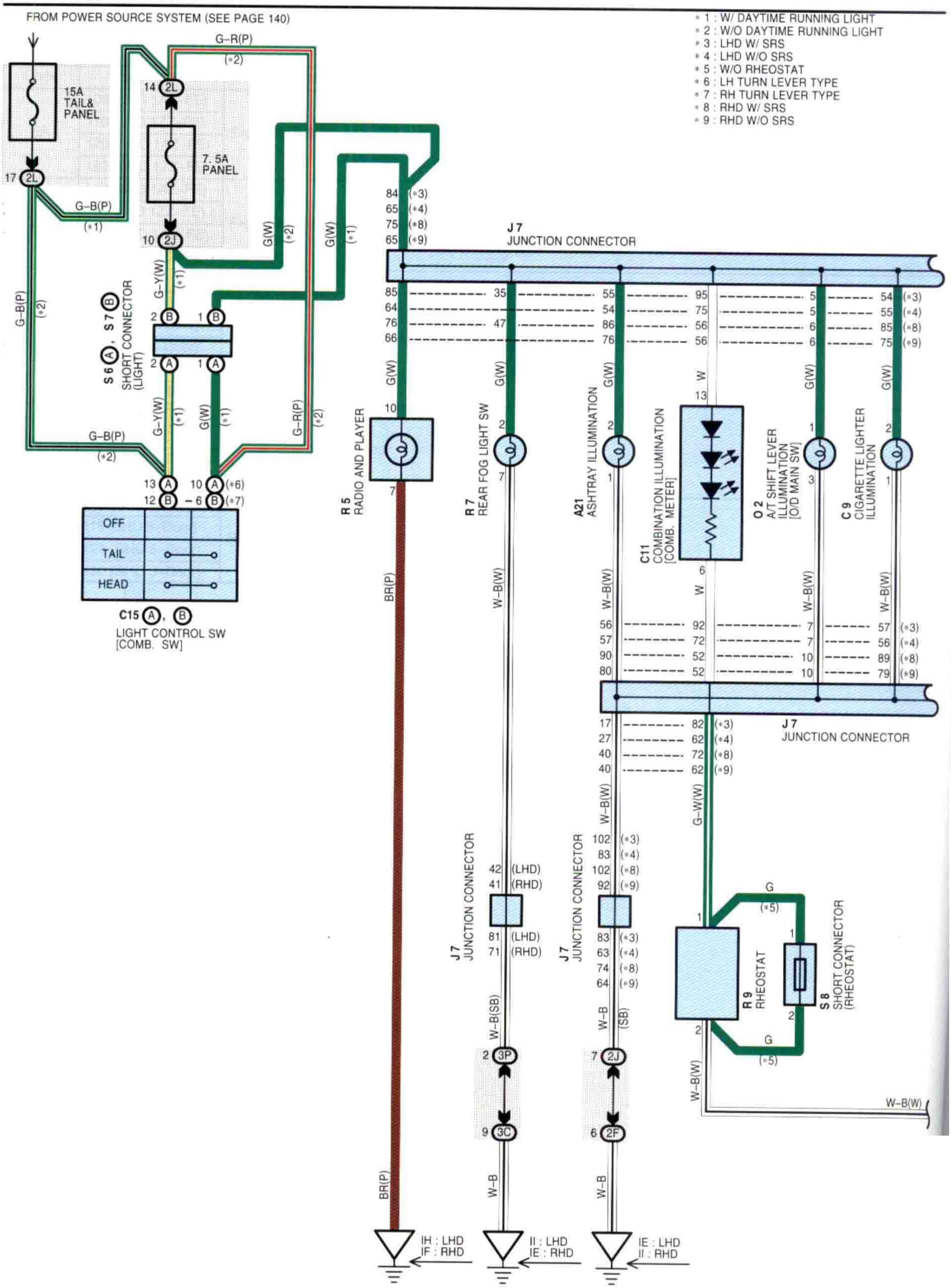
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	116 (LHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

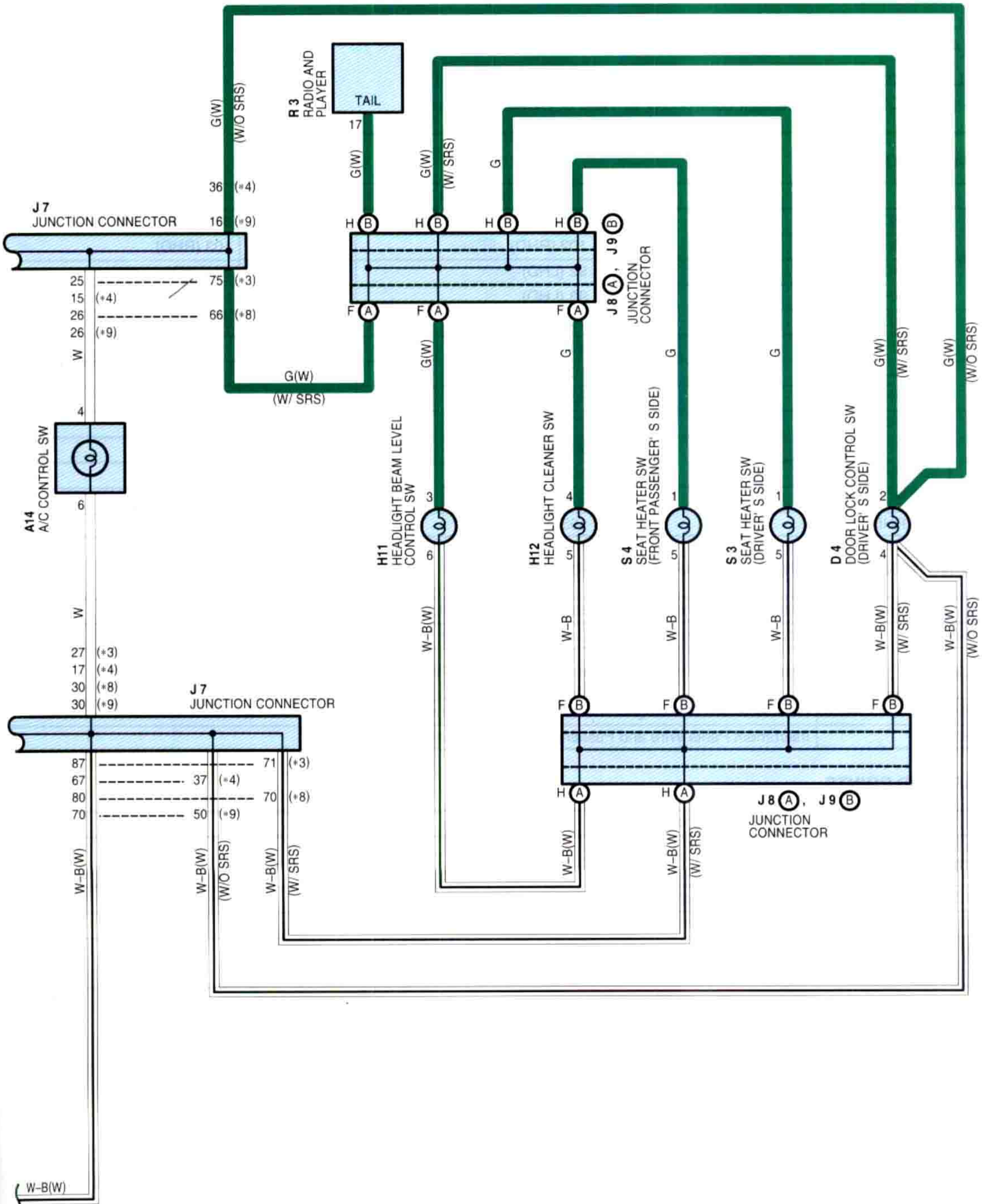
TAILLIGHT

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BM	116 (LHD 5-Door)	Right Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

ILLUMINATION




R 3
RADIO AND PLAYER
TAIL
17
G(W)
G(W)
(W/O SRS)
G(W)
(W/ SRS)
G
G(W)
(W/ SRS)
G(W)
(W/O SRS)
36 (*4)
16 (*9)
J 7
JUNCTION CONNECTOR
25
15 (*4)
26
26 (*9)
75 (*3)
66 (*8)
G(W)
(W/ SRS)
H B
F A
J 8 A , J 9 B
JUNCTION CONNECTOR
4
A14
A/C CONTROL SW
6
W
27 (*3)
17 (*4)
30 (*8)
30 (*9)
J 7
JUNCTION CONNECTOR
87
67
80
70
71 (*3)
37 (*4)
70 (*8)
50 (*9)
W-B(W)
W-B(W)
(W/O SRS)
W-B(W)
(W/ SRS)
H11
HEADLIGHT BEAM LEVEL CONTROL SW
3
6
W-B(W)
H12
HEADLIGHT CLEANER SW
4
5
W-B
S 4
SEAT HEATER SW (FRONT PASSENGER' S SIDE)
1
5
W-B
S 3
SEAT HEATER SW (DRIVER' S SIDE)
1
5
W-B
D 4
DOOR LOCK CONTROL SW (DRIVER' S SIDE)
2
4
W-B(W)
W-B(W)
(W/ SRS)
W-B(W)
(W/O SRS)
F B
H A
J 8 A , J 9 B
JUNCTION CONNECTOR
W-B(W)

ILLUMINATION

SERVICE HINTS

C15 (A) LIGHT CONTROL SW [COMB. SW] (LH TURN LEVER TYPE)

(A) 13–(A) 10 : Closed with the light control SW at **TAIL** or **HEAD** position

C15 (B) LIGHT CONTROL SW [COMB. SW] (RH TURN LEVER TYPE)

(B) 12–(B) 6 : Closed with the light control SW at **TAIL** or **HEAD** position

○ : PARTS LOCATION

Code		See Page
A14		92 (LHD)
		102 (RHD)
A21		92 (LHD)
		102 (RHD)
C9		92 (LHD)
		102 (RHD)
C11		92 (LHD)
		102 (RHD)
C15	A	92 (LHD)
		102 (RHD)
	B	102 (RHD)
D4		92 (LHD)
		102 (RHD)
H11		92 (LHD)
		102 (RHD)
H12		92 (LHD)
J7		93 (LHD)
		103 (RHD)
J8	A	93 (LHD)
		103 (RHD)
J9	B	93 (LHD)
		103 (RHD)
O2		93 (LHD)
		103 (RHD)
R3		93 (LHD)
		103 (RHD)
R5		93 (LHD)
		103 (RHD)
R7		93 (LHD)
		103 (RHD)
R9		93 (LHD)
		103 (RHD)
S3		93 (LHD)
S4		93 (LHD)
S6	A	93 (LHD)
S7	B	93 (LHD)
S8		93 (LHD)
		103 (RHD)

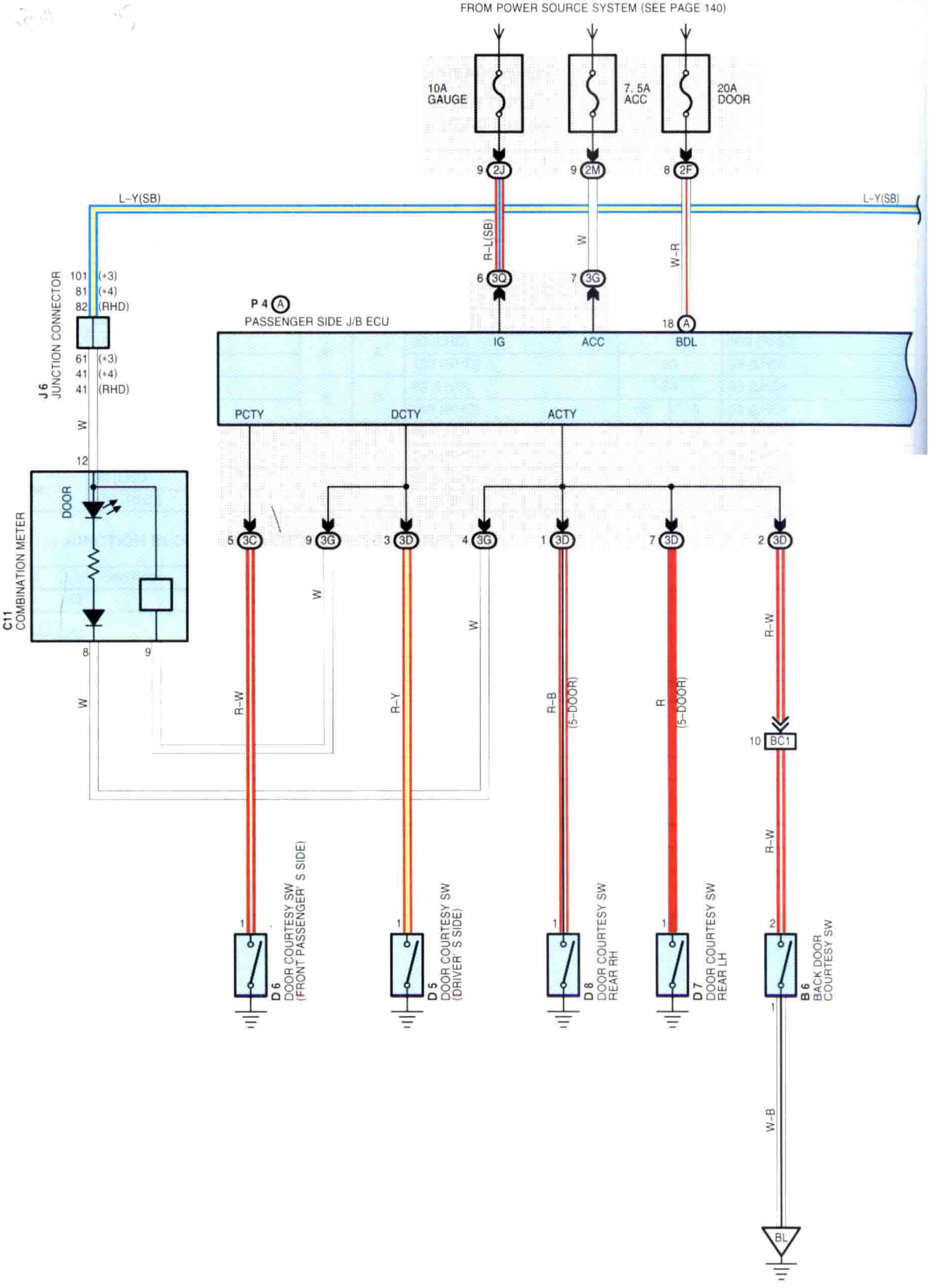
▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

▽ : GROUND POINTS

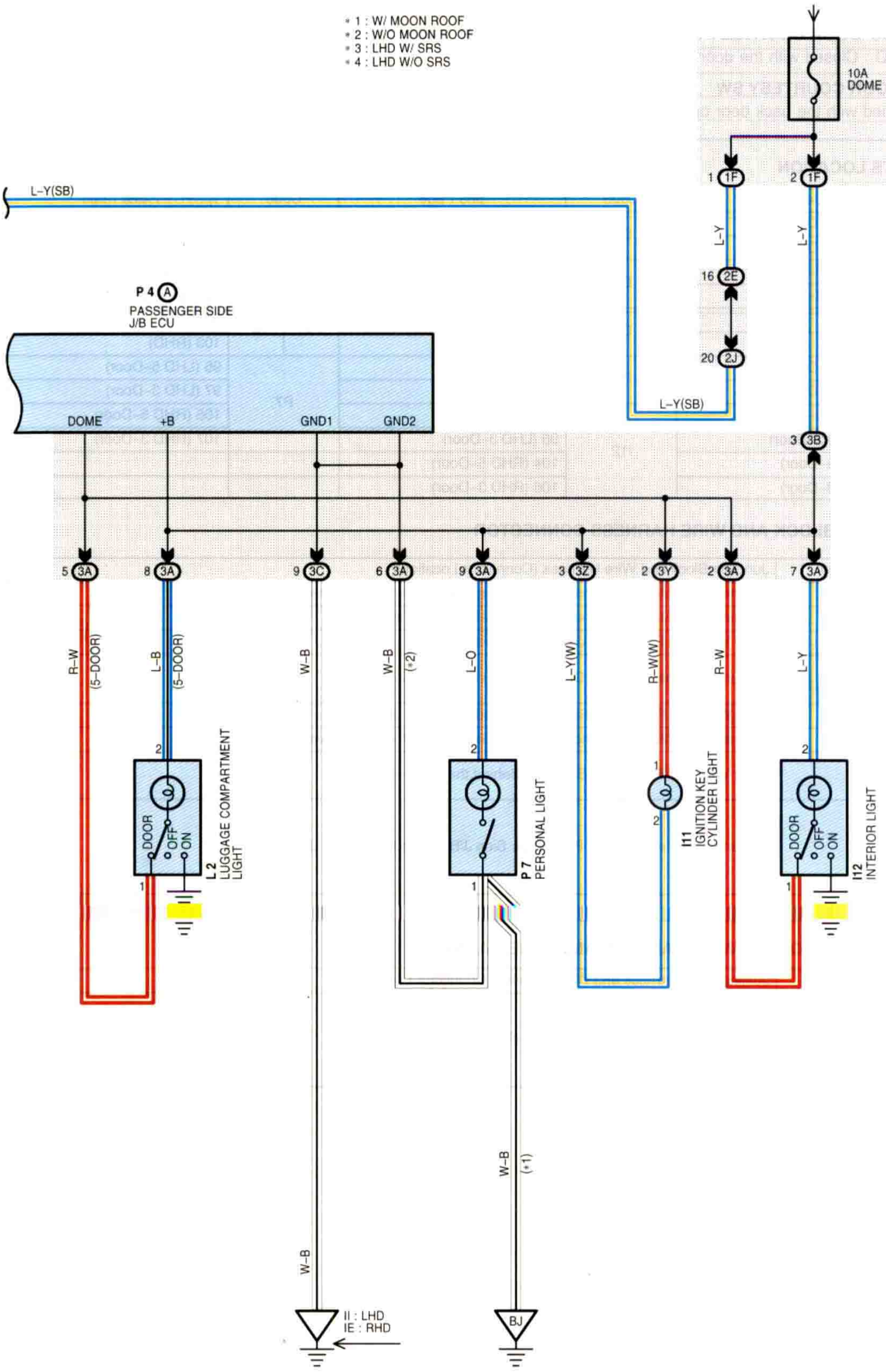
Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
IF	124 (RHD)	Left Side of Instrument Panel Brace
IH	112 (LHD)	Right Side of Instrument Panel Brace
II	112 (LHD)	Right Kick Panel
	124 (RHD)	

INTERIOR LIGHT



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 1 : W/ MOON ROOF
* 2 : W/O MOON ROOF
* 3 : LHD W/ SRS
* 4 : LHD W/O SRS



INTERIOR LIGHT

SERVICE HINTS

D5, D6, D7, D8 DOOR COURTESY SW (DRIVER'S SIDE), (FRONT PASSENGER'S SIDE) REAR LH, RH

1-GROUND : Closed with the door open

B6 BACK DOOR COURTESY SW

1-2 : Closed with the back door open

: PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
B6	94 (LHD 5-Door)	D6	104 (RHD 5-Door)	J6		93 (LHD)
	96 (LHD 3-Door)		106 (RHD 3-Door)			103 (RHD)
	104 (RHD 5-Door)	D7	94 (LHD 5-Door)	L2		95 (LHD 5-Door)
	106 (RHD 3-Door)		104 (RHD 5-Door)			105 (RHD 5-Door)
C11	92 (LHD)	D8	94 (LHD 5-Door)	P4	A	93 (LHD)
	102 (RHD)		104 (RHD 5-Door)			103 (RHD)
D5	94 (LHD 5-Door)	I11	92 (LHD)	P7		95 (LHD 5-Door)
	96 (LHD 3-Door)		102 (RHD)			97 (LHD 3-Door)
	104 (RHD 5-Door)	I12	94 (LHD 5-Door)			105 (RHD 5-Door)
	106 (RHD 3-Door)		96 (LHD 3-Door)			107 (RHD 3-Door)
D6	94 (LHD 5-Door)		104 (RHD 5-Door)			
	96 (LHD 3-Door)		106 (RHD 3-Door)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J 2M	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3A	86	Roof Wire and Passenger Side J/B (Behind the Glove Box)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C 3D	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G 3Q 3Y 3Z	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

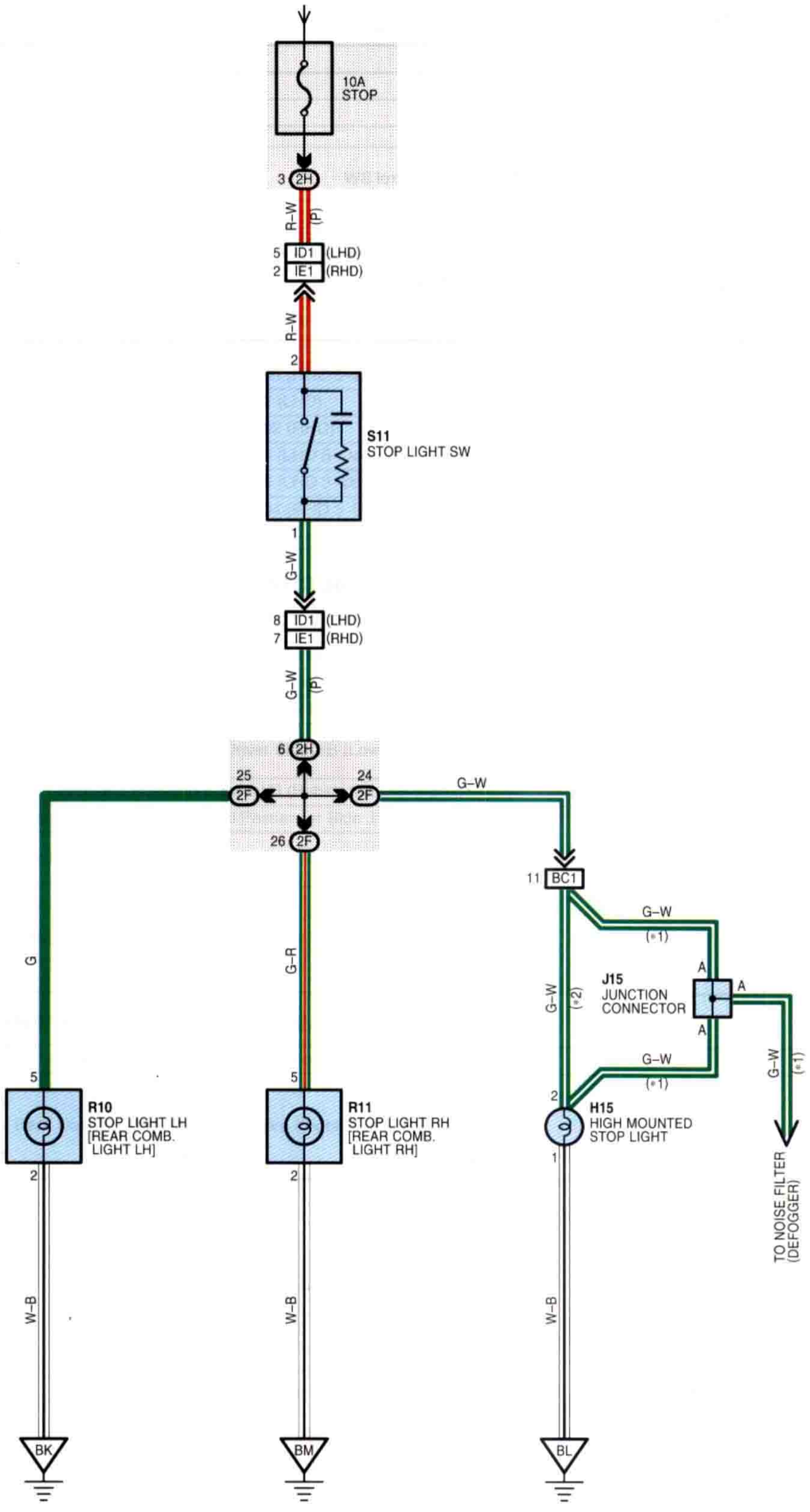
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BJ	116 (LHD 5-Door)	Behind the Moon Roof Control SW
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

STOP LIGHT

* 1 : EUROPE
* 2 : EXCEPT EUROPE

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



SERVICE HINTS

S11 STOP LIGHT SW

2–1 : Closed with the brake pedal depressed

O : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H15	94 (LHD 5–Door)	J15	104 (RHD 5–Door)	R11	95 (LHD 5–Door)
	96 (LHD 3–Door)		106 (RHD 3–Door)		97 (LHD 3–Door)
	104 (RHD 5–Door)	R10	95 (LHD 5–Door)		105 (RHD 5–Door)
	106 (RHD 3–Door)		97 (LHD 3–Door)		107 (RHD 3–Door)
J15	94 (LHD 5–Door)		105 (RHD 5–Door)	S11	93 (LHD)
	96 (LHD 3–Door)		107 (RHD 3–Door)		103 (RHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

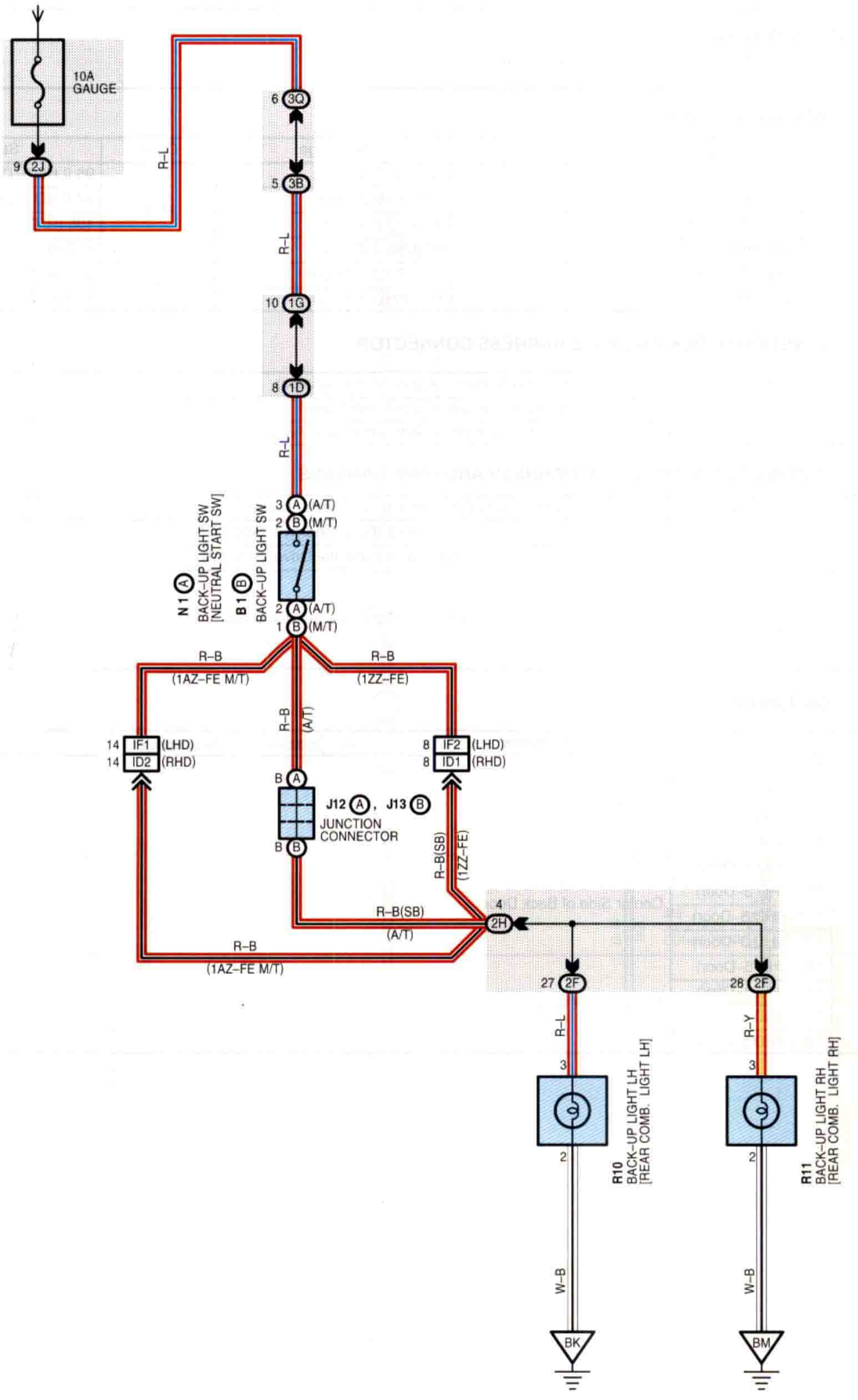
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
BC1	116 (LHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BK	116 (LHD 5–Door)	Left Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BL	116 (LHD 5–Door)	Center Side of Back Door
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BM	116 (LHD 5–Door)	Right Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

BACK–UP LIGHT

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



SERVICE HINTS

B1 (B) BACK-UP LIGHT SW (M/T)

(B) 2-(B) 1 : Closed with the shift lever at **R** position

N1 (A) BACK-UP LIGHT SW [NEUTRAL START SW] (A/T)

(A) 3-(A) 2 : Closed with the shift lever at **R** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
B1	B	88 (LHD 1AZ-FE)	J13	B	93 (LHD)	R10	105 (RHD 5-Door)
		90 (LHD 1ZZ-FE)			103 (RHD)		107 (RHD 3-Door)
		98 (RHD 1AZ-FE)	N1	A	89 (LHD 1AZ-FE)	R11	95 (LHD 5-Door)
		100 (RHD 1ZZ-FE)			99 (RHD 1AZ-FE)		97 (LHD 3-Door)
J12	A	93 (LHD)	R10		95 (LHD 5-Door)		105 (RHD 5-Door)
		103 (RHD)			97 (LHD 3-Door)		107 (RHD 3-Door)

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1G	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3Q	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

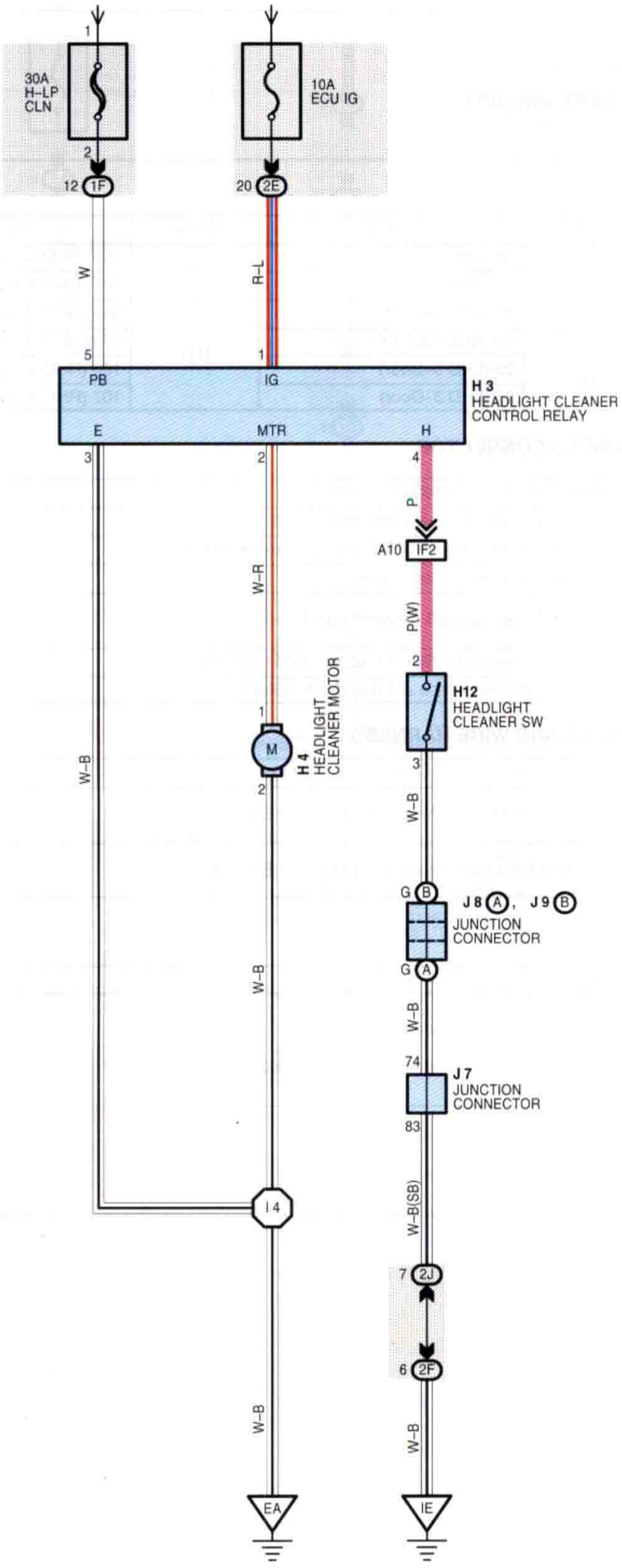
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2		
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2		

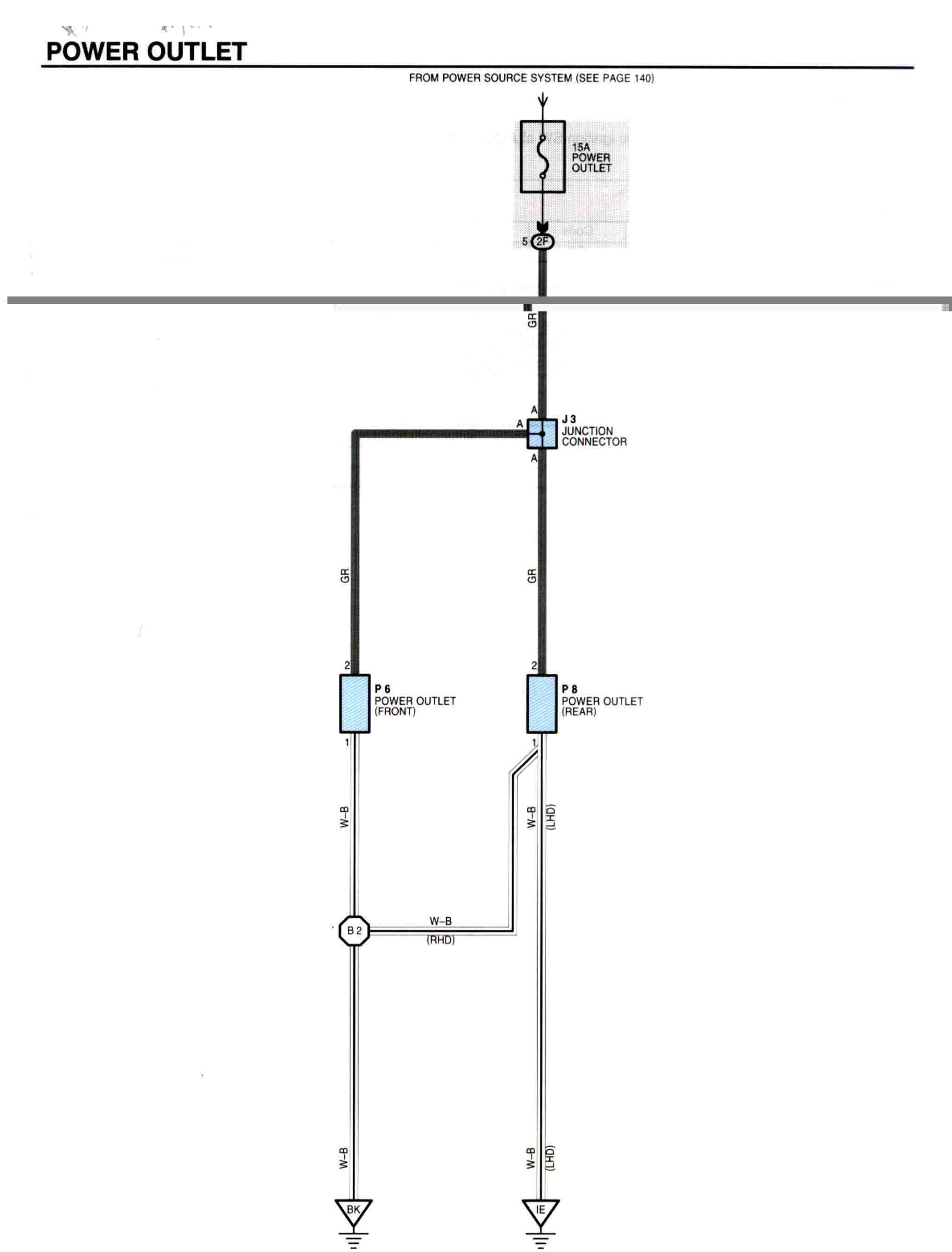
▽ : GROUND POINTS

Code	See Page	Ground Points Location
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BM	116 (LHD 5-Door)	Right Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

HEADLIGHT CLEANER



POWER OUTLET



SERVICE HINTS

P6 POWER OUTLET (FRONT)

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

P8 POWER OUTLET (REAR)

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
J3	93 (LHD)	P6	103 (RHD)	P8	105 (RHD 5-Door)
	103 (RHD)	P8	95 (LHD 5-Door)		107 (RHD 3-Door)
P6	93 (LHD)		97 (LHD 3-Door)		

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)

▽ : GROUND POINTS

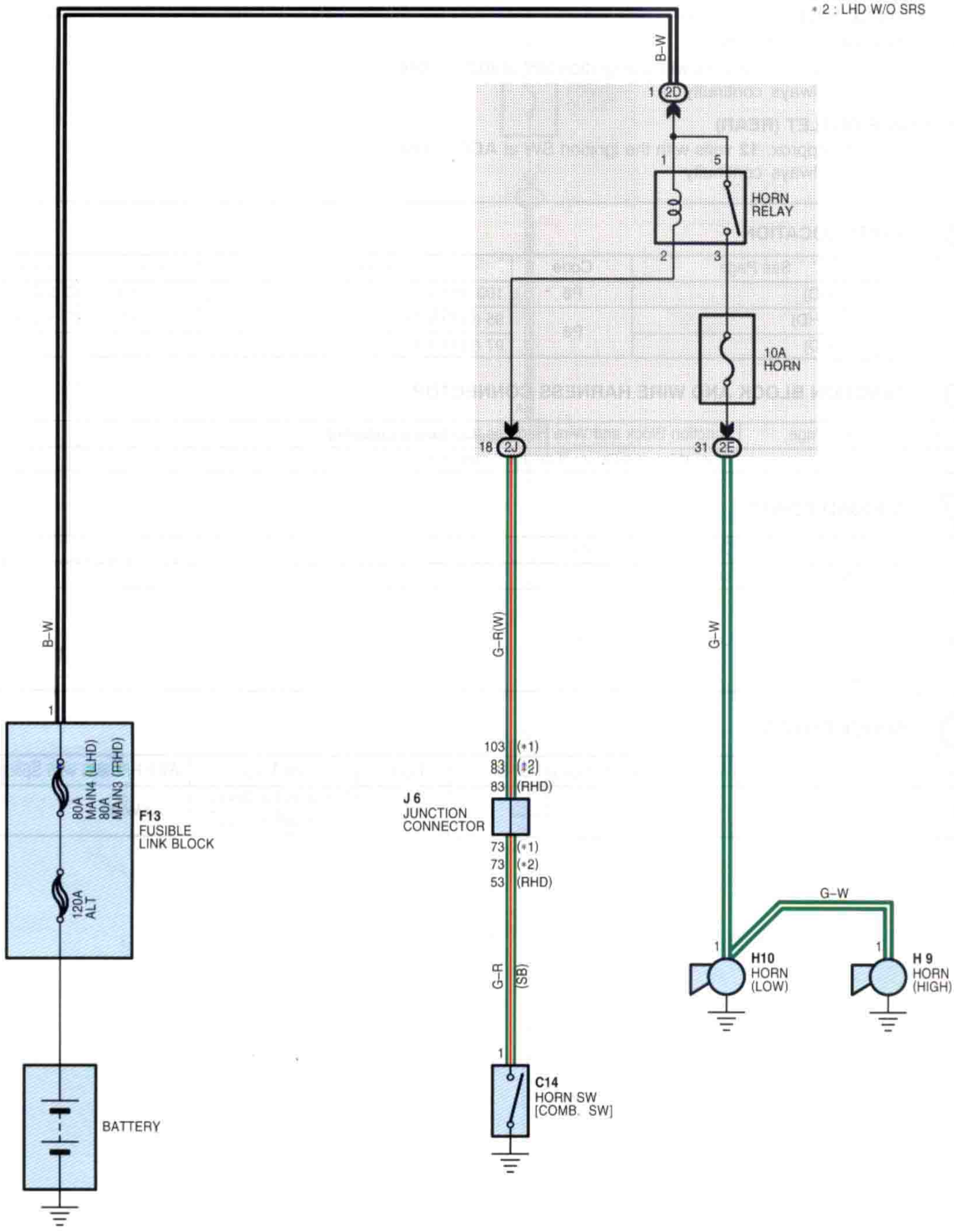
Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

⬡ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B2	116 (LHD 5-Door)	Floor Wire	B2	128 (RHD 5-Door)	Floor Wire
	118 (LHD 3-Door)			130 (RHD 3-Door)	

HORN

* 1 : LHD W/ SRS
* 2 : LHD W/O SRS



SERVICE HINTS

HORN RELAY

5-3 : Closed with the horn SW on

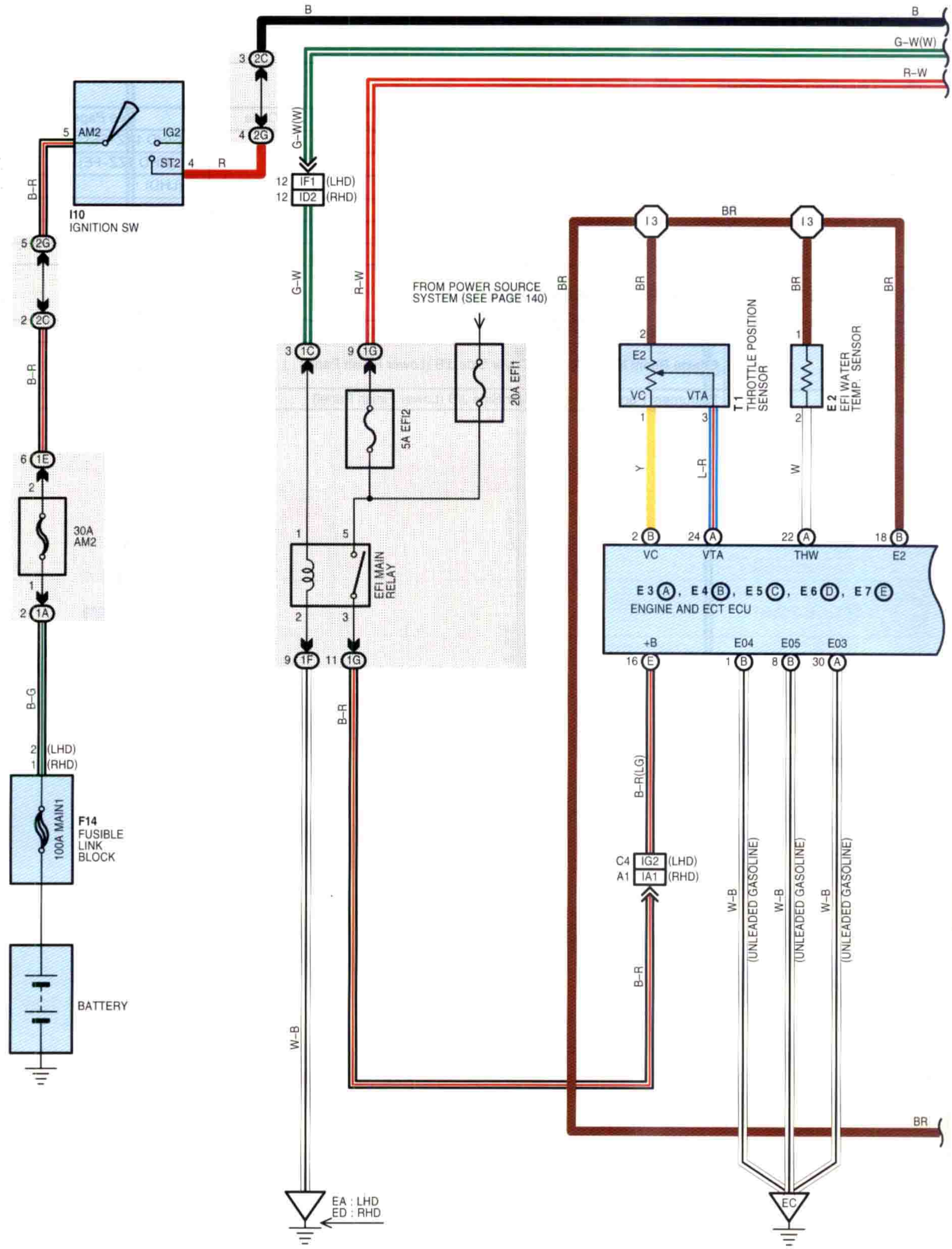
○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C14	92 (LHD)	H9	89 (LHD 1AZ-FE)	H10	99 (RHD 1AZ-FE)
	102 (RHD)		91 (LHD 1ZZ-FE)		101 (RHD 1ZZ-FE)
F13	88 (LHD 1AZ-FE)		99 (RHD 1AZ-FE)	J6	93 (LHD)
	90 (LHD 1ZZ-FE)		101 (RHD 1ZZ-FE)		103 (RHD)
	98 (RHD 1AZ-FE)	H10	89 (LHD 1AZ-FE)		
	100 (RHD 1ZZ-FE)		91 (LHD 1ZZ-FE)		

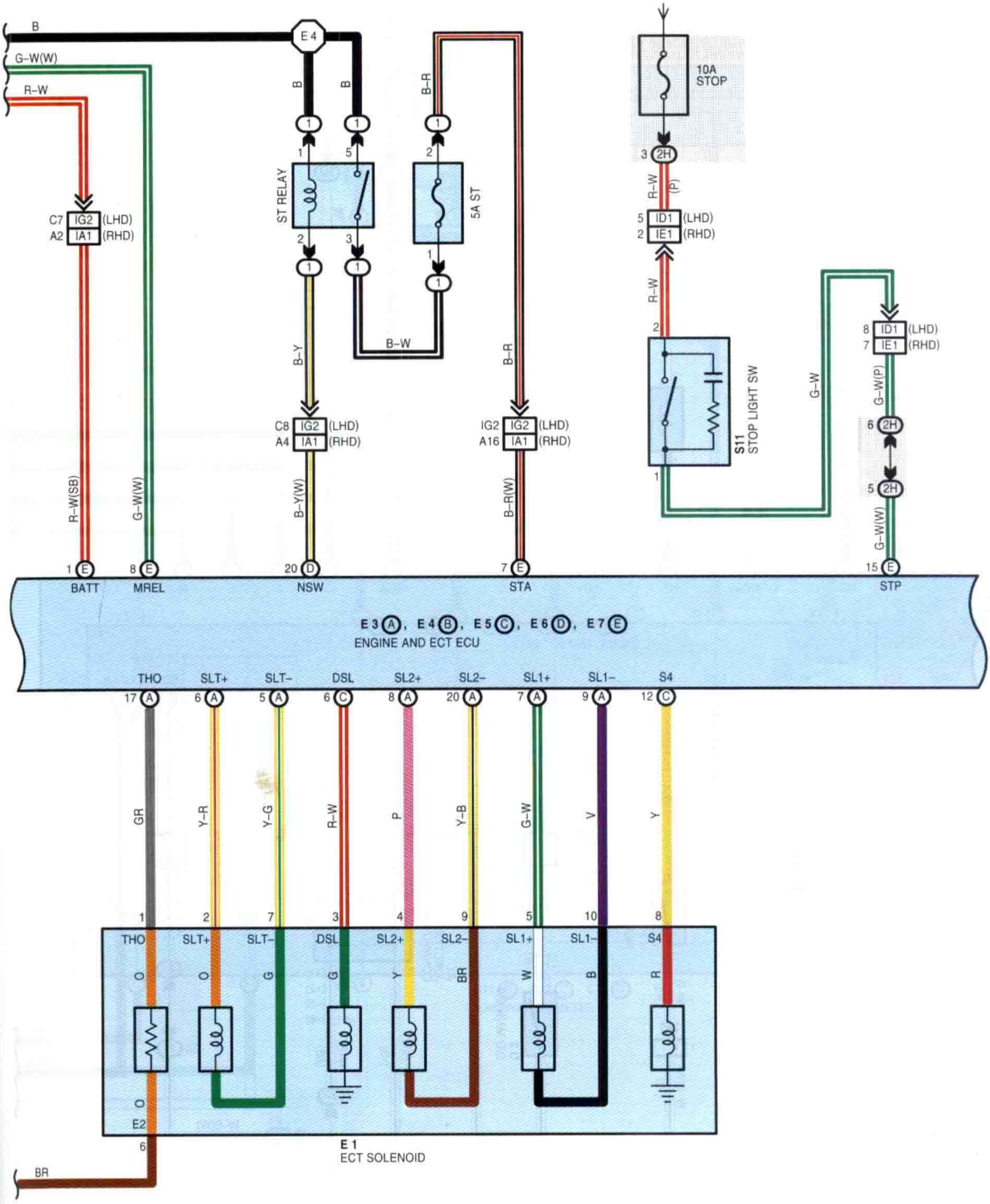
▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2D	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2E		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

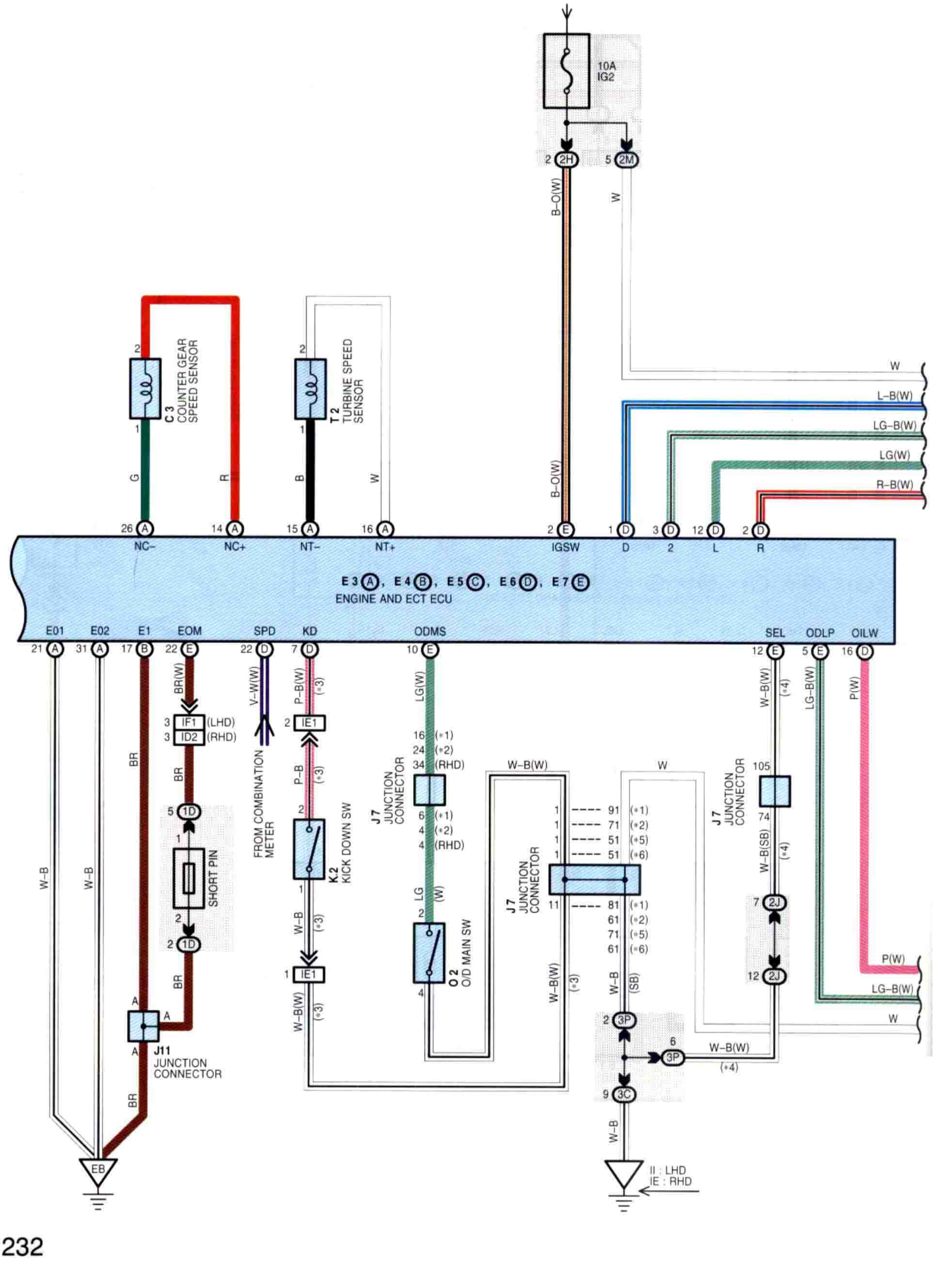
ECT AND A/T INDICATOR



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

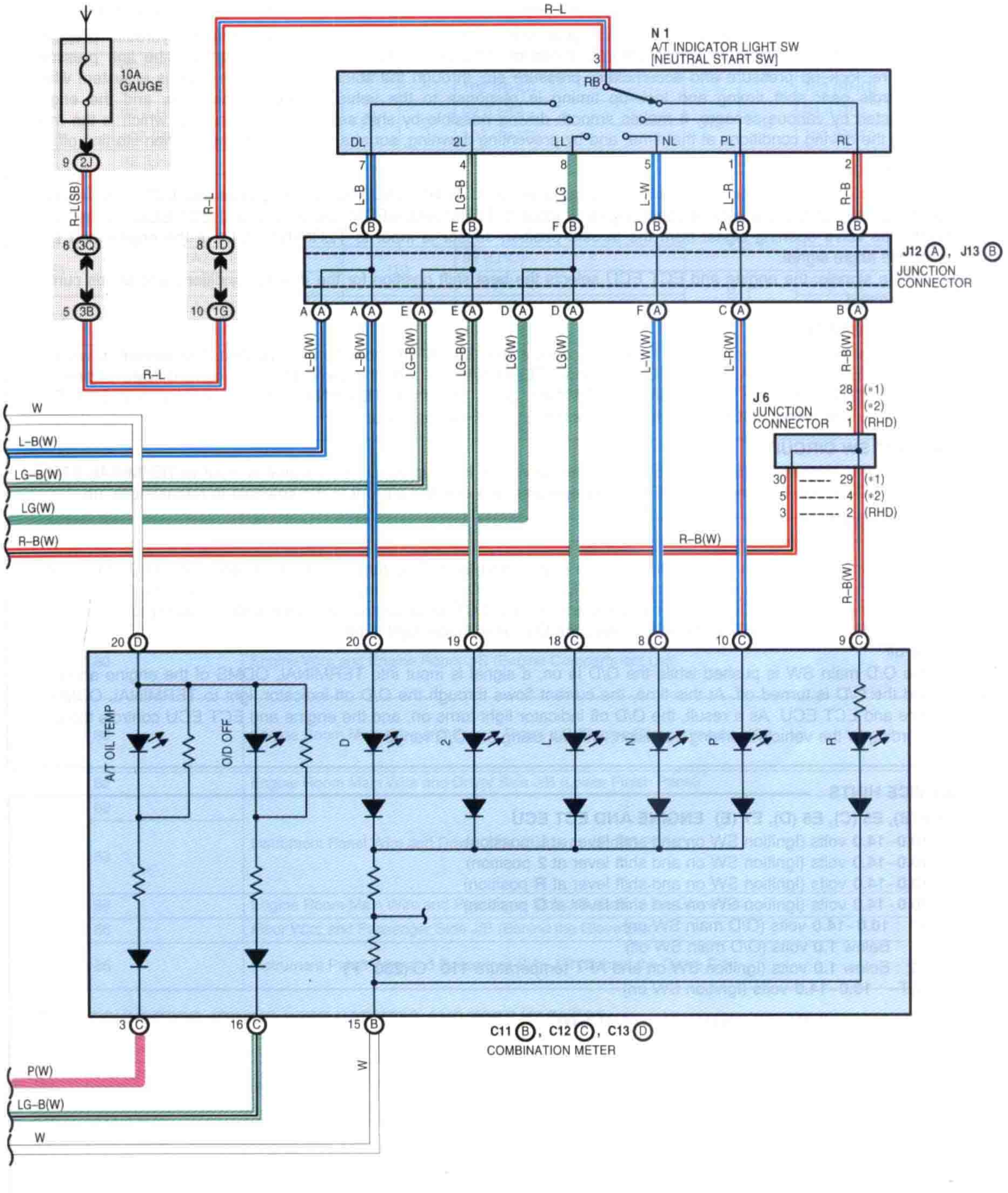


ECT AND A/T INDICATOR



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : LHD EUROPE
* 4 : RHD EUROPE
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



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

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. LOCK-UP OPERATION

When each signal makes engine and ECT ECU recognize that LOCK-UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1- to engine and ECT ECU TERMINAL SL1-. This works LOCK-UP solenoid to perform LOCK-UP operation.

3. STOP LIGHT SW CIRCUIT

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

4. OVERDRIVE CIRCUIT

* Overdrive on
  When the engine is turned on from ignition off, the engine and ECT ECU turns the O/D on. When the O/D main SW is pushed while the O/D is off, a signal is input into TERMINAL ODMS of the engine and ECT ECU, and the O/D is turned on by the engine and ECT ECU. In this case, the engine and ECT ECU controls the gear shift according to the vehicle's driving condition, using the O/D range. At this time, the O/D off indicator light is off.
* Overdrive off
  When the O/D main SW is pushed while the O/D is on, a signal is input into TERMINAL ODMS of the engine and ECT ECU, and the O/D is turned off. At this time, the current flows through the O/D off indicator light to TERMINAL ODMS of the engine and ECT ECU. As a result, the O/D off indicator light turns on, and the engine and ECT ECU controls the gear shift according to the vehicle's driving condition, without using the O/D range.

SERVICE HINTS

E3 (A), E4 (B), E5 (C), E6 (D), E7 (E) ENGINE AND ECT ECU

L-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **L** position)
2-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **2** position)
R-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **R** position)
D-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **D** position)
ODMS-E1 : **10.0-14.0** volts (O/D main SW on)
Below **1.0** volts (O/D main SW off)
THO-E2 : Below **1.0** volts (Ignition SW on and AFT temperature **110** °C (**230** °F)
SLT+ -SLT- : **10.0-14.0** volts (Ignition SW on)

N1 A/T INDICATOR LIGHT SW [NEUTRAL START SW]

3-1 : Closed with shift lever in **P** position
3-2 : Closed with shift lever in **R** position
3-5 : Closed with shift lever in **N** position
3-7 : Closed with shift lever in **D** position
3-8 : Closed with shift lever in **L** position
3-4 : Closed with shift lever in **2** position

O2 O/D MAIN SW

2-4 : Closed with the O/D main SW off, open with the O/D main SW on

○ : PARTS LOCATION

Code		See Page
C3		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
C11	B	92 (LHD)
		102 (RHD)
C12	C	92 (LHD)
		102 (RHD)
C13	D	92 (LHD)
		102 (RHD)
E1		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
E2		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
E3	A	92 (LHD)
		102 (RHD)
E4	B	92 (LHD)
		102 (RHD)
E5	C	92 (LHD)
		102 (RHD)
E6	D	92 (LHD)
		102 (RHD)
E7	E	92 (LHD)
		102 (RHD)
F14		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
I10		92 (LHD)
		102 (RHD)
J6		93 (LHD)
		103 (RHD)
J7		93 (LHD)
		103 (RHD)
J11		93 (LHD)
		103 (RHD)
J12	A	93 (LHD)
		103 (RHD)
J13	B	93 (LHD)
		103 (RHD)
K2		93 (LHD)
N1		89 (LHD 1AZ-FE)
		99 (RHD 1AZ-FE)
O2		93 (LHD)
		103 (RHD)
S11		93 (LHD)
		103 (RHD)
T1		89 (LHD 1AZ-FE)
		99 (RHD 1AZ-FE)
T2		89 (LHD 1AZ-FE)
		99 (RHD 1AZ-FE)

▭ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

▭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1C		
1D		
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2C	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2H	83	
2J		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IE1	114 (LHD)	Instrument Panel Wire and Switch No.2 Wire (Left Side of Instrument Panel Brace)
	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

ECT AND A/T INDICATOR

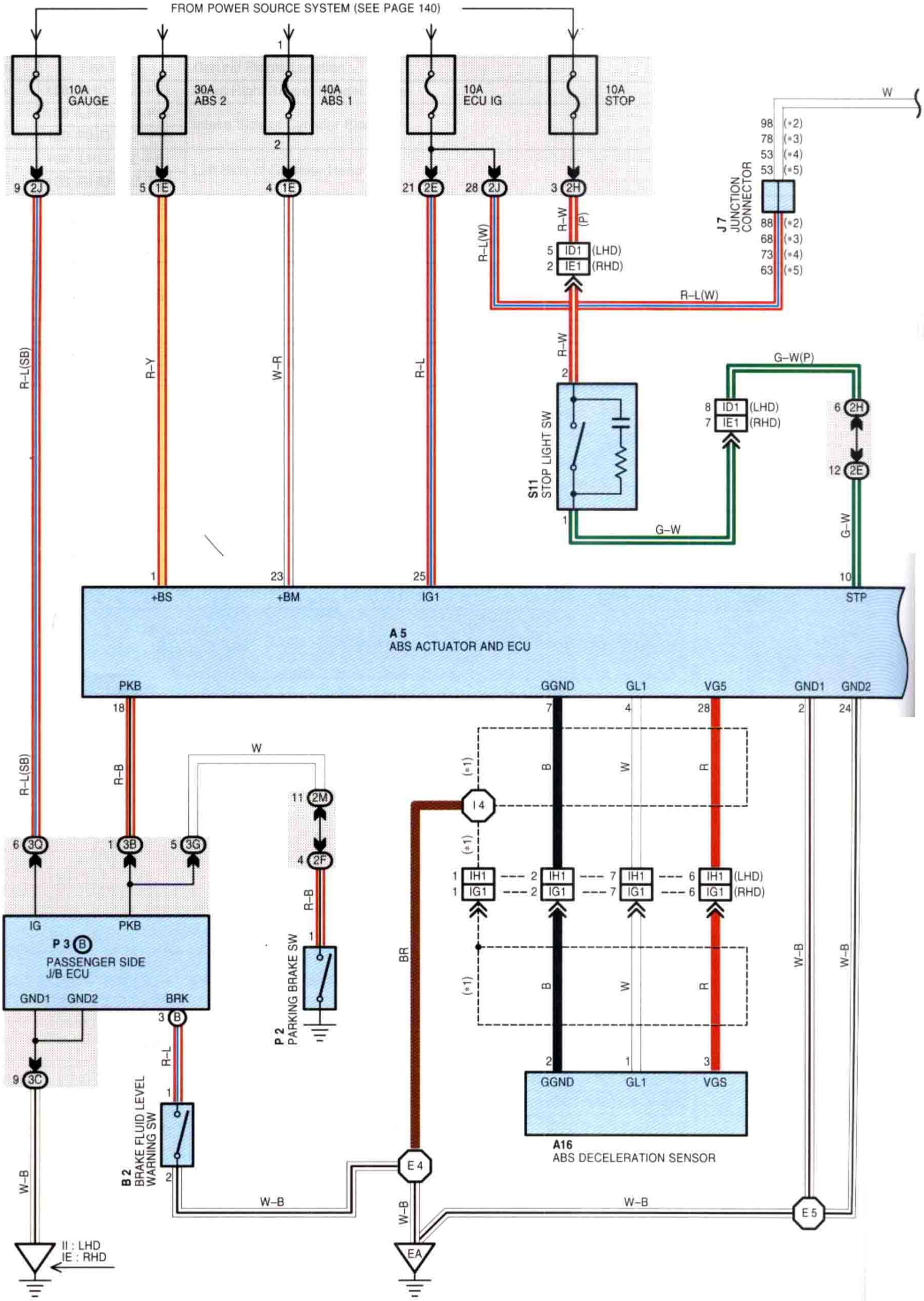
▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
EB	108 (LHD 1AZ-FE) 120 (RHD 1AZ-FE)	Intake Side of Cylinder Block
EC	108 (LHD 1AZ-FE) 120 (RHD 1AZ-FE)	Left Side of Cylinder Head
ED	120 (RHD 1AZ-FE)	Front Left Side of Fender Apron
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

⬡ : SPLICE POINTS

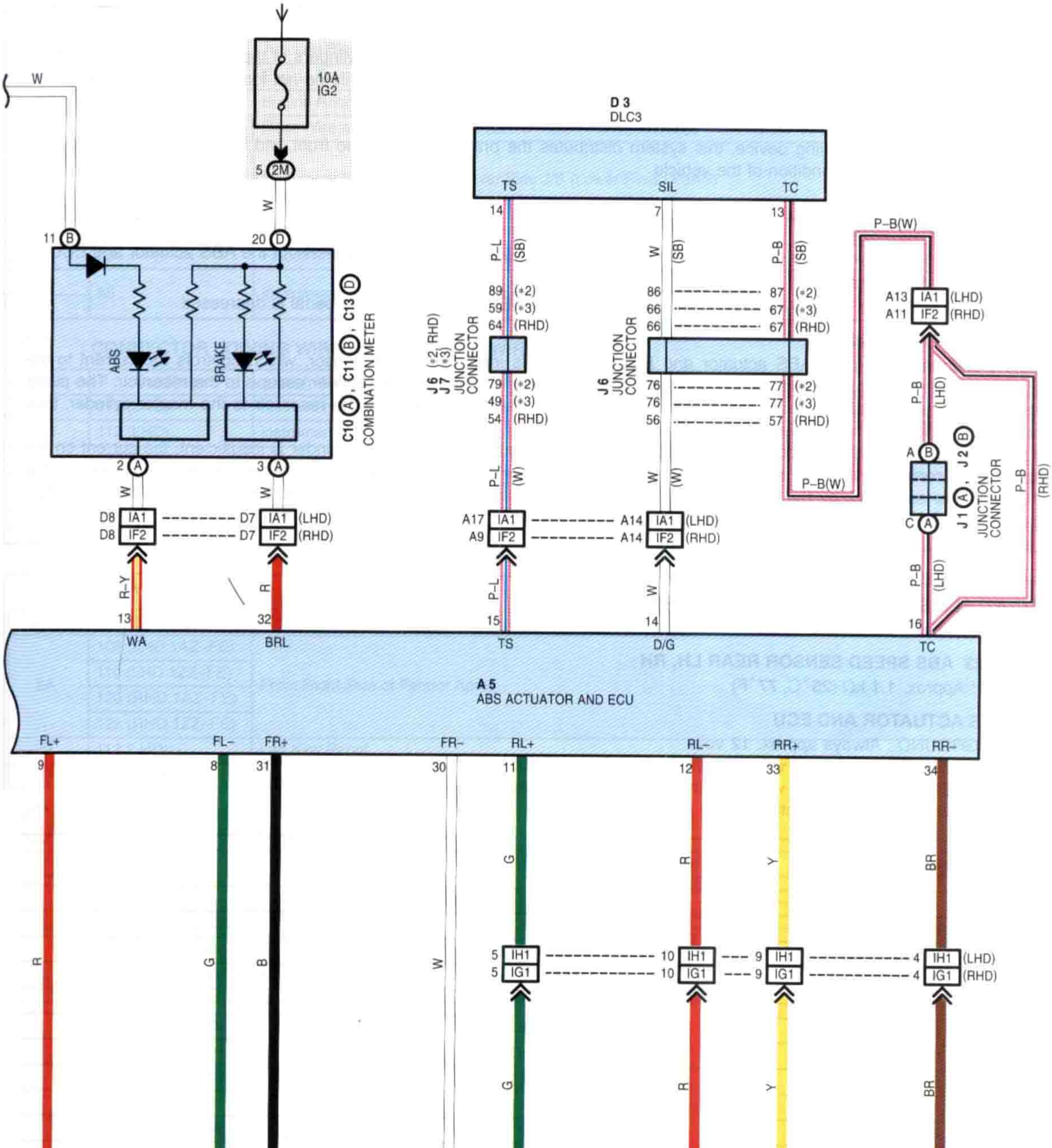
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE) 120 (RHD 1AZ-FE)	Engine Room Main Wire	I3	114 (LHD) 126 (RHD)	Engine Wire

ABS


FROM POWER SOURCE SYSTEM (SEE PAGE 140)
10A GAUGE
30A ABS 2
40A ABS 1
10A ECU IG
10A STOP
9 2J
5 1E
4 1E
21 2E
28 2J
3 2H
W
J7 JUNCTION CONNECTOR
98 (*2)
78 (*3)
53 (*4)
53 (*5)
88 (*2)
68 (*3)
73 (*4)
63 (*5)
R-L(SB)
R-Y
W-R
R-L
R-W
(P)
R-L(W)
5 ID1 (LHD)
2 IE1 (RHD)
R-W
2
G-W(P)
S11 STOP LIGHT SW
8 ID1 (LHD)
7 IE1 (RHD)
6 2H
12 2E
1
G-W
G-W
1
23
25
10
+BS
+BM
IG1
STP
A 5
ABS ACTUATOR AND ECU
PKB
GGND
GL1
VG5
GND1
GND2
18
7
4
28
2
24
R-L(SB)
R-B
W
11 2M
4 2F
R-B
6 3Q
1 3B
5 3G
IG
PKB
P 3 B
PASSENGER SIDE J/B ECU
GND1
GND2
BRK
3 B
9 3C
P 2
PARKING BRAKE SW
R-L
1
2
B 2
BRAKE FLUID LEVEL WARNING SW
W-B
W-B
E 4
W-B
W-B
E 5
EA
II : LHD
IE : RHD
BR
(*1)
I 4
1 IH1
1 IG1
2 IH1
2 IG1
7 IH1
7 IG1
6 IH1 (LHD)
6 IG1 (RHD)
B
W
R
2
1
3
GGND
GL1
VGS
A16
ABS DECELERATION SENSOR
W-B
W-B

* 1 : SHIELDED
* 2 : LHD W/ SRS
* 3 : LHD W/O SRS
* 4 : RHD W/ SRS
* 5 : RHD W/O SRS

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



ABS

SYSTEM OUTLINE

* ABS system

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

* Front and rear braking force distribution system

Using the hydraulic controlling device, this system distributes the braking force to the front and rear wheel in appropriately according to the running condition of the vehicle.

1. INPUT SIGNALS

(1) Speed sensor signal

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

(2) Stop light SW signal

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

2. SYSTEM OPERATION

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

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

SERVICE HINTS

A6, A7 ABS SPEED SENSOR FRONT LH, RH

2–1 : Approx. **1.6** kΩ (**20**°C, **68**°F)

A22, A23 ABS SPEED SENSOR REAR LH, RH

1–2 : Approx. **1.1** kΩ (**25**°C, **77**°F)

A5 ABS ACTUATOR AND ECU

1, 23–GROUND : Always approx. **12** volts
25–GROUND : Approx. **12** volts with the ignition SW at **ON** position
10–GROUND : Approx. **12** volts with the brake pedal depressed
2, 24–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A5	88 (LHD 1AZ–FE)	A22	104 (RHD 5–Door)	D3	92 (LHD)
	90 (LHD 1ZZ–FE)		106 (RHD 3–Door)		102 (RHD)
	98 (RHD 1AZ–FE)	A23	94 (LHD 5–Door)	J1 A	93 (LHD)
	100 (RHD 1ZZ–FE)		96 (LHD 3–Door)	J2 B	93 (LHD)
A6	88 (LHD 1AZ–FE)		104 (RHD 5–Door)	J6	93 (LHD)
	90 (LHD 1ZZ–FE)		106 (RHD 3–Door)		103 (RHD)
	98 (RHD 1AZ–FE)	B2	88 (LHD 1AZ–FE)	J7	93 (LHD)
	100 (RHD 1ZZ–FE)		90 (LHD 1ZZ–FE)		103 (RHD)
A7	88 (LHD 1AZ–FE)		98 (RHD 1AZ–FE)	P2	93 (LHD)
	90 (LHD 1ZZ–FE)		100 (RHD 1ZZ–FE)		103 (RHD)
	98 (RHD 1AZ–FE)	C10 A	92 (LHD)	P3 B	93 (LHD)
	100 (RHD 1ZZ–FE)		102 (RHD)		103 (RHD)
A16	92 (LHD)	C11 B	92 (LHD)	S11	93 (LHD)
	102 (RHD)		102 (RHD)		103 (RHD)
A22	94 (LHD 5–Door)	C13 D	92 (LHD)		
	96 (LHD 3–Door)		102 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG1	126 (RHD)	Engine Room Main Wire and Floor Wire (Right Kick Panel)
IH1	114 (LHD)	Engine Room Main Wire and Floor Wire (Right Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

: SPLICE POINTS

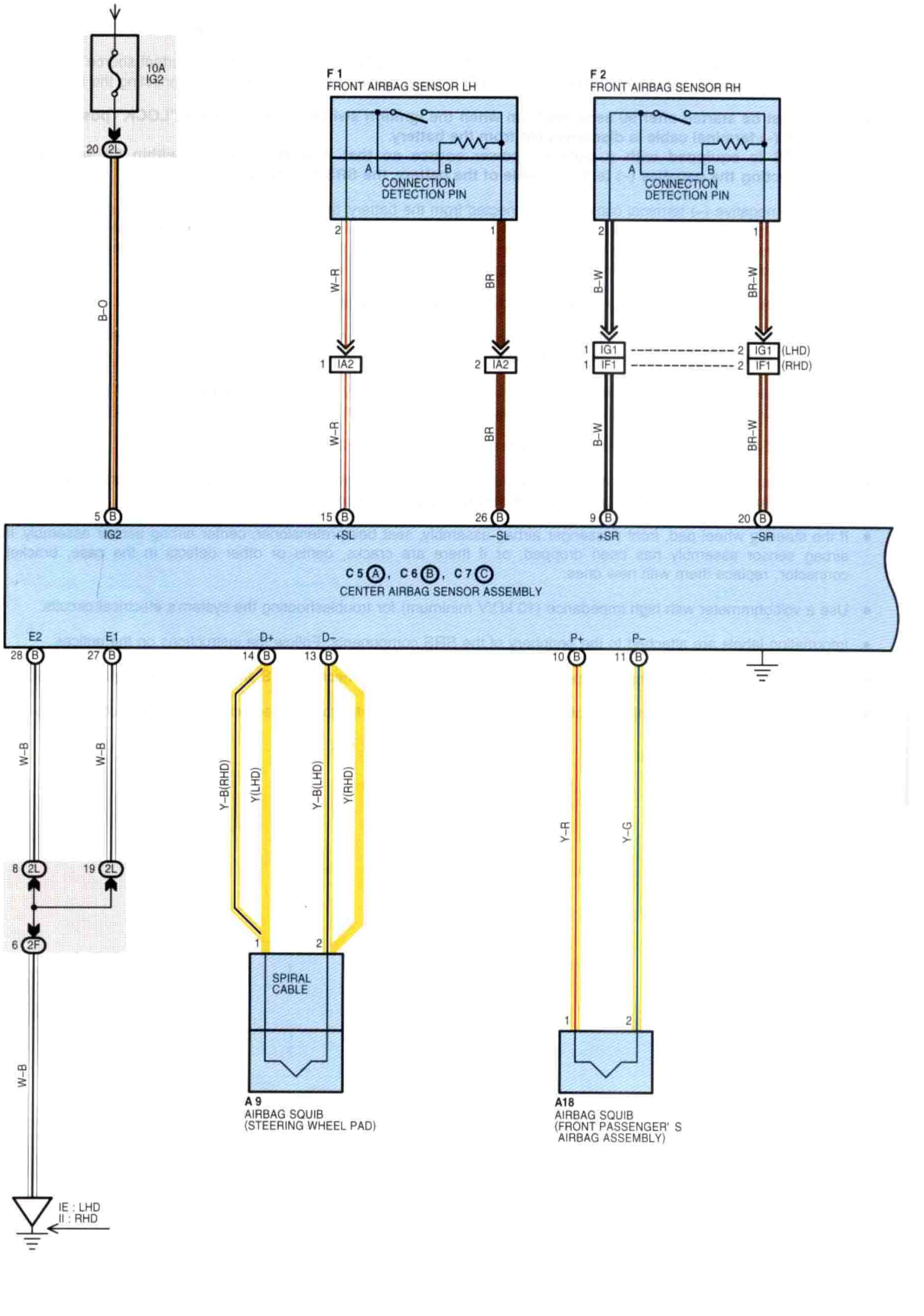
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	E5	110 (LHD 1ZZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)			120 (RHD 1AZ-FE)	
	120 (RHD 1AZ-FE)			122 (RHD 1ZZ-FE)	
	122 (RHD 1ZZ-FE)		I4	114 (LHD)	
E5	108 (LHD 1AZ-FE)			126 (RHD)	

MEMO 右心房

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

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started after 90 seconds from when the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back-up power source so that if work is started within 90 seconds from disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.)
- When the negative (-) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back-up power supply from outside the vehicle.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Do not expose the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly directly to hot air or flames.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check or SRS side airbag 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 140)



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

L(W)
(1AZ–FE)
L
(1ZZ–FE)
11 E (1AZ–FE)
16 A (1ZZ–FE)
F/PS
E7 E, E8 A
ENGINE AND ECT ECU (A/T) OR ENGINE ECU (M/T)
2 IF1 (LHD)
2 ID2 (RHD)
L(W) (1ZZ–FE)
D3
DLC3
SIL TC A/B
7 13 6
W (SB) P–B (SB) B–Y (SB)
94 86 87 88 (LHD)
74 66 67 65 (RHD)
J6 JUNCTION CONNECTOR
104 106 107 108 68 (LHD)
84 86 87 85 45 (RHD)
L (W) W (W) P–B (W) B–Y (W) W
4 B 1 B 2 B 3 B
S9 A, S10 B
SHORT CONNECTOR (SRS)
4 A 1 A 2 A 3 A
L W P–B B–Y R–L
4 B 12 B 19 B 3 B 6 B
GSW2 SIL TC LA IG1
C5 A, C6 B, C7 C
CENTER AIRBAG SENSOR ASSEMBLY
PL– PL+ PR+ PR–
1 A 2 A 5 C 6 C
Y Y–B Y–B Y
2 1 1 2
P17
PRETENSIONER LH
P18
PRETENSIONER RH

10A
ECU IG
7 2L 28 2J
R–L R–L(W)
88 (LHD)
73 (RHD)
J7
JUNCTION CONNECTOR
98 (LHD)
53 (RHD)
W W
7 11
C11
COMBINATION METER
AIR BAG
16
W
5 IB1
BR
IE

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, current from the ECU IG and IG2 fuse flows to TERMINALS (B) 6 and (B) 5 of the center airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, current from the ECU IG or IG2 fuse flows to TERMINALS (B) 14, (B) 10, (A) 2 and (C) 5 of the center airbag sensor assembly to TERMINAL 1 of the airbag squibs and TERMINAL 1 of the pretensioners to TERMINAL 2 to TERMINALS (B) 13, (B) 11, (A) 1 and (C) 6 of the center airbag sensor assembly to TERMINALS (B) 28, (B) 27 or BODY GROUND to GROUND, so that current flows to the front airbag squibs and the pretensioners and causes them to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.
The pretensioners make sure of the seat belt restrainability.

○ : PARTS LOCATION

Code		See Page
A9		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
A18		92 (LHD)
		102 (RHD)
C5	A	92 (LHD)
		102 (RHD)
C6	B	92 (LHD)
		102 (RHD)
C7	C	92 (LHD)
		102 (RHD)
C11		92 (LHD)
		102 (RHD)
D3		92 (LHD)
		102 (RHD)
E7	E	92 (LHD)
		102 (RHD)
E8	A	92 (LHD)
		102 (RHD)
F1		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
F2		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
J6		93 (LHD)
		103 (RHD)
J7		93 (LHD)
		103 (RHD)
P17		95 (LHD 5-Door)
		97 (LHD 3-Door)
		105 (RHD 5-Door)
		107 (RHD 3-Door)
P18		95 (LHD 5-Door)
		97 (LHD 3-Door)
		105 (RHD 5-Door)
		107 (RHD 3-Door)
S9	A	93 (LHD)
		103 (RHD)
S10	B	93 (LHD)
		103 (RHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		

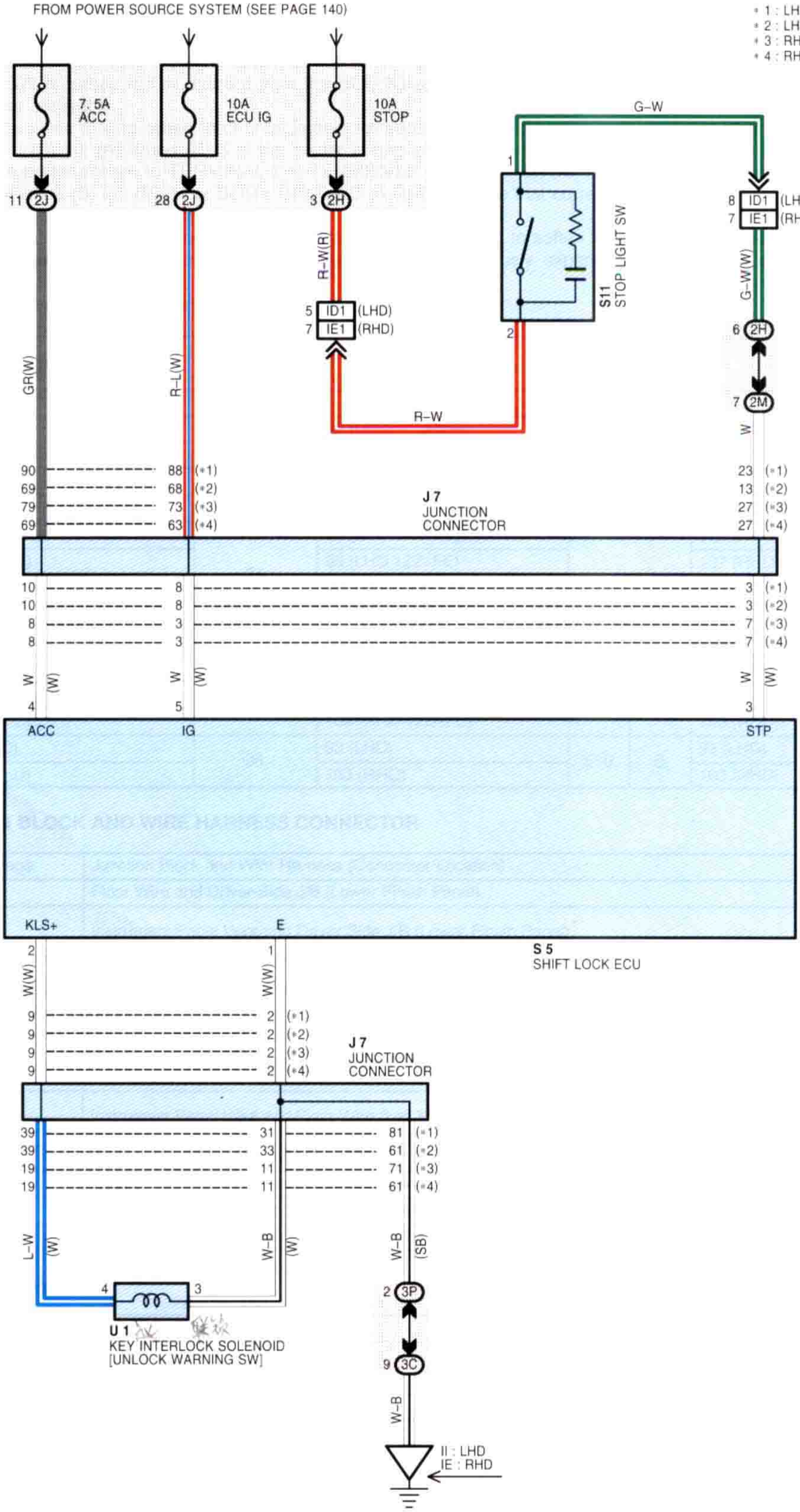
▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG1	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	124 (RHD)	Right Kick Panel

SHIFT LOCK


FROM POWER SOURCE SYSTEM (SEE PAGE 140)
* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : RHD W/ SRS
* 4 : RHD W/O SRS
7.5A ACC
10A ECU IG
10A STOP
11 2J
28 2J
3 2H
GR(W)
R-L(W)
R-W(R)
5 ID1 (LHD)
7 IE1 (RHD)
G-W
1
2
S11 STOP LIGHT SW
R-W
8 ID1 (LHD)
7 IE1 (RHD)
G-W(W)
6 2H
7 2M
W
90 88 (*1)
69 68 (*2)
79 73 (*3)
69 63 (*4)
J7 JUNCTION CONNECTOR
23 (*1)
13 (*2)
27 (*3)
27 (*4)
10 8 3 (*1)
10 8 3 (*2)
8 3 7 (*3)
8 3 7 (*4)
W (W)
4 5 3
ACC IG STP
KLS+ E
2 1
W(W)
9 2 (*1)
9 2 (*2)
9 2 (*3)
9 2 (*4)
S5 SHIFT LOCK ECU
J7 JUNCTION CONNECTOR
39 31 81 (*1)
39 33 61 (*2)
19 11 71 (*3)
19 11 61 (*4)
L-W (W)
W-B (W)
W-B (SB)
4 3
U1 KEY INTERLOCK SOLENOID [UNLOCK WARNING SW]
2 3P
9 3C
W-B
II : LHD
IE : RHD

SYSTEM OUTLINE

When the ignition SW is at ACC position, the current flows from ACC fuse to shift lock ECU TERMINAL ACC, and at ON position, the current flows from ECU IG fuse to shift lock ECU TERMINAL 5.

1. SHIFT LOCK MECHANISM

When the signal that the brake pedal is depressed (Stop light SW ON) and the shift lever is placed in P position is input into the shift lock ECU, the current flows from TERMINAL E to GROUND. As a result, the shift lock solenoid is turned on (Plate stopper is released) and the shift lever can be placed in a position other than P position.

2. KEY INTERLOCK MECHANISM

When the shift lever is placed to P position with the ignition SW ON or at ACC position, the current from shift lock ECU to key interlock solenoid is cut off. As a result, the key interlock solenoid is turned off (The lock lever is released from lock position) and the ignition key can be placed to LOCK position from ACC.

SERVICE HINTS

S5 SHIFT LOCK ECU

4-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
5-GROUND : Approx. **12** volts with the ignition SW at **ON** position
1-GROUND : Always continuity
3-GROUND : Approx. **12** volts with the brake pedal depressed

S11 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)	S5	103 (RHD)	U1	93 (LHD)
	103 (RHD)	S11	93 (LHD)		103 (RHD)
S5	93 (LHD)		103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

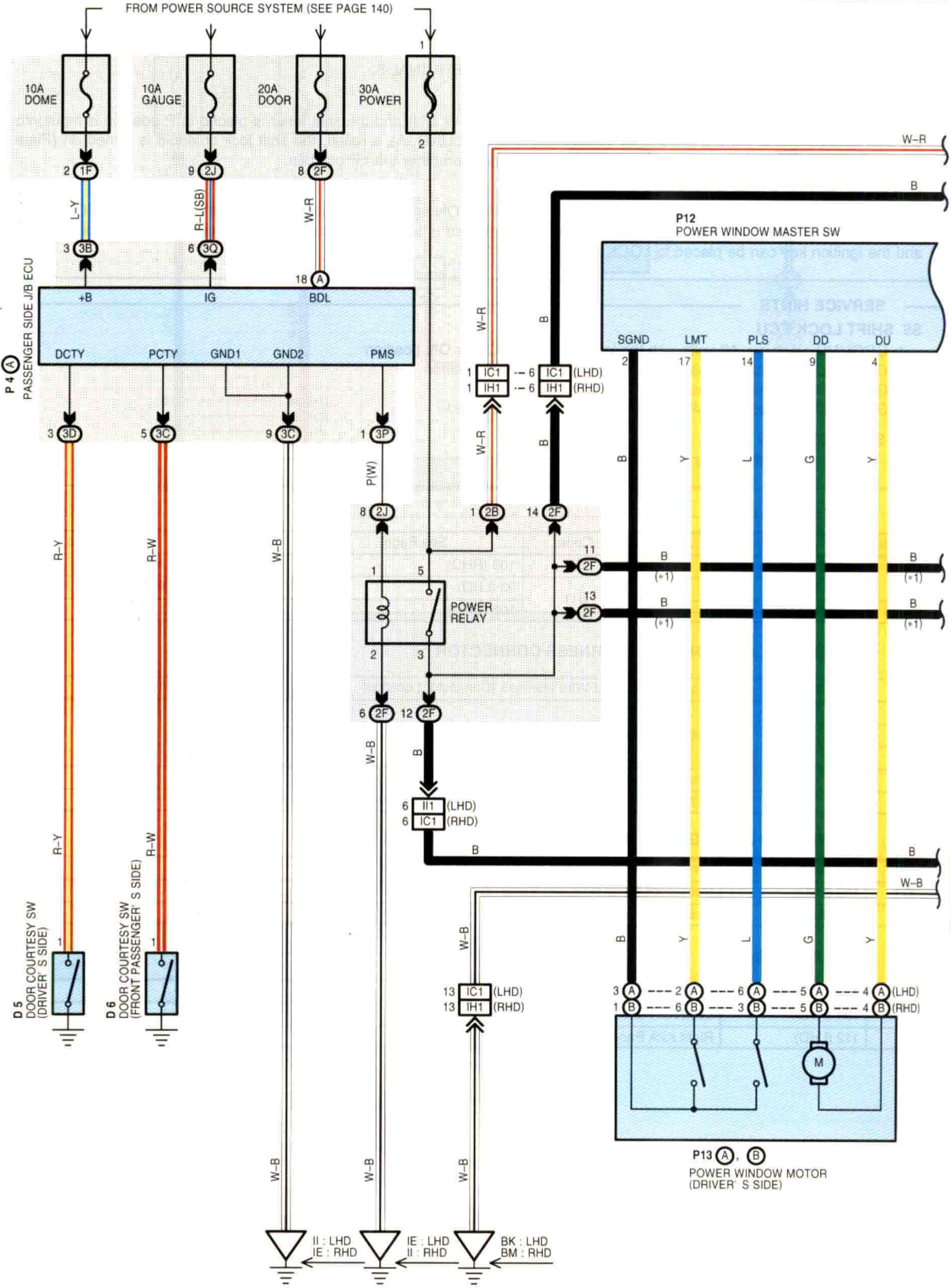
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)

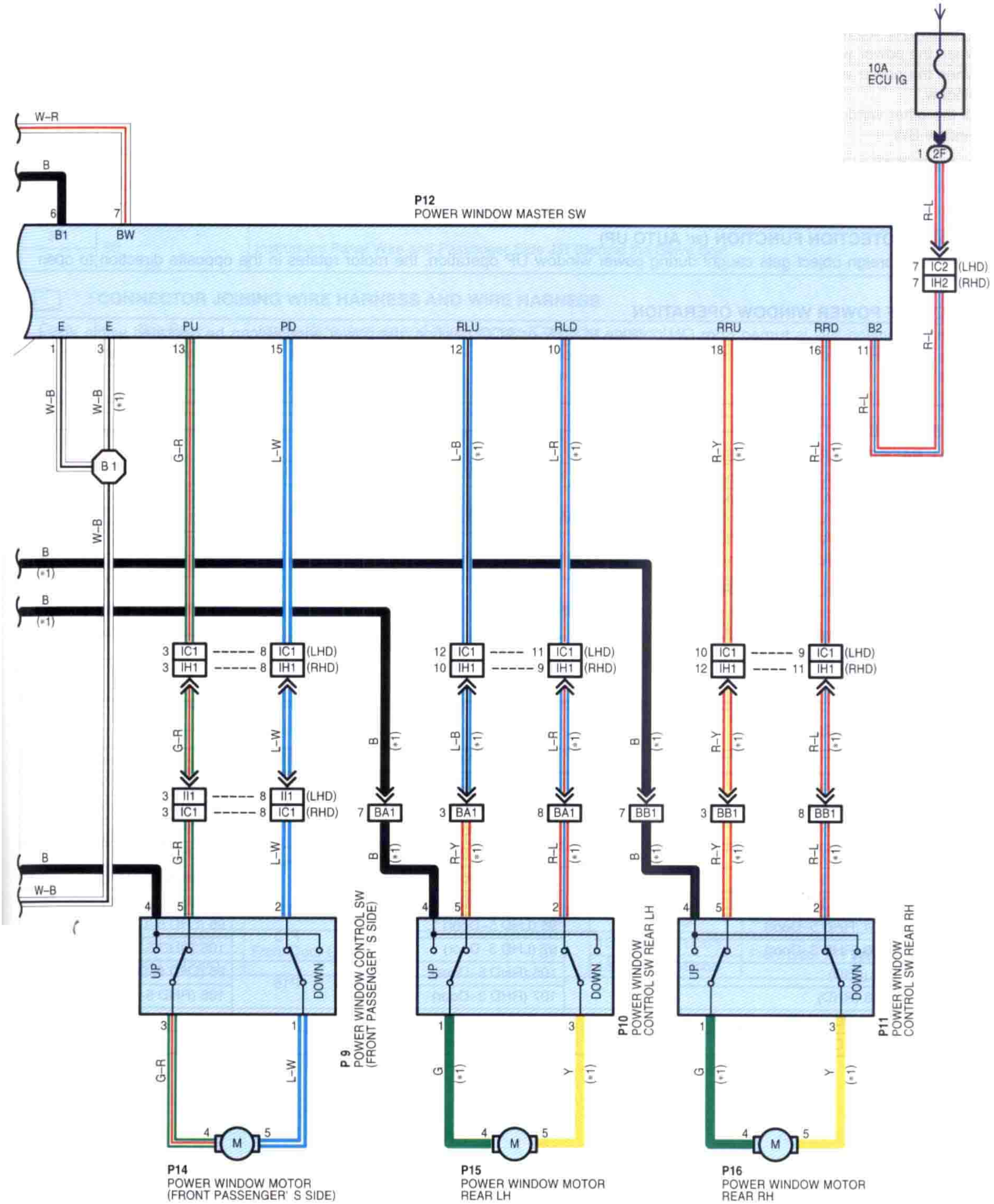
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

POWER WINDOW



FROM POWER SOURCE SYSTEM (SEE PAGE 140)



POWER WINDOW

SYSTEM OUTLINE

1. MANUAL DOWN OR UP OPERATION

When the power window master SW (Driver's) is pushed one step, the motor rotates to open the window.
When the power window master SW (Driver's) is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.

2. AUTO DOWN OR UP OPERATION

When the power window master SW (Driver's) is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW (Driver's) is pulled up two steps, the motor rotates to close the window automatically.

3. JAM PROTECTION FUNCTION (w/ AUTO UP)

When any foreign object gets caught during power window UP operation, the motor rotates in the opposite direction to open the window.

4. KEY OFF POWER WINDOW OPERATION

When the ignition SW is turned from ON position to OFF or ACC position, the power window can be operated within about 40 seconds. However, even if it is within about 40 seconds, the power window can not be operated when each of the front doors opens.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B-GROUND : Always approx. **12** volts
BDL-GROUND : Always approx. **12** volts
IG-GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1-GROUND: Always continuity
GND2-GROUND: Always continuity

P12 POWER WINDOW MASTER SW

11-GROUND : Approx. **12** volts with ignition SW at **ON** position
7-GROUND : Always approx. **12** volts
1-GROUND : Always continuity
3-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D5	94 (LHD 5-Door)	P9	105 (RHD 5-Door)	P13 B	105 (RHD 5-Door)
	96 (LHD 3-Door)		107 (RHD 3-Door)		107 (RHD 3-Door)
	104 (RHD 5-Door)	P10	95 (LHD 5-Door)	P14	95 (LHD 5-Door)
	106 (RHD 3-Door)		105 (RHD 5-Door)		97 (LHD 3-Door)
D6	94 (LHD 5-Door)	P11	95 (LHD 5-Door)		105 (RHD 5-Door)
	96 (LHD 3-Door)		105 (RHD 5-Door)		107 (RHD 3-Door)
	104 (RHD 5-Door)	P12	95 (LHD 5-Door)	P15	95 (LHD 5-Door)
	106 (RHD 3-Door)		97 (LHD 3-Door)		105 (RHD 5-Door)
P4 A	93 (LHD)		105 (RHD 5-Door)	P16	95 (LHD 5-Door)
	103 (RHD)		107 (RHD 3-Door)		105 (RHD 5-Door)
P9	95 (LHD 5-Door)	P13 A	95 (LHD 5-Door)		
	97 (LHD 3-Door)		97 (LHD 3-Door)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2B	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2F		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
	128 (RHD 5-Door)	
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
	128 (RHD 5-Door)	

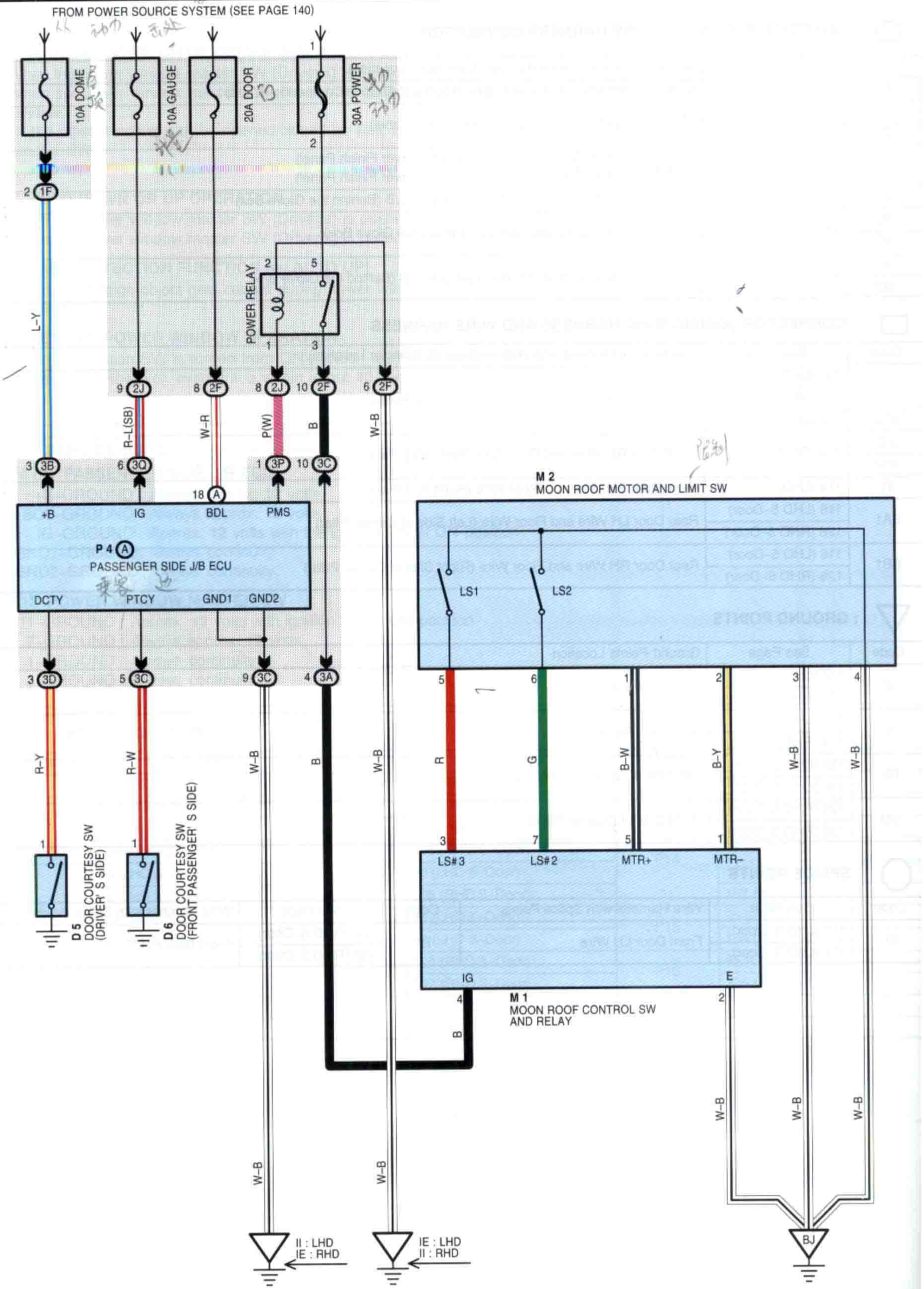
: GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
BM	128 (RHD 5-Door)	Right Side of Quarter Panel
	130 (RHD 3-Door)	

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	116 (LHD 5-Door)	Front Door LH Wire	B1	128 (RHD 5-Door)	Front Door RH Wire
	118 (LHD 3-Door)			130 (RHD 3-Door)	

MOON ROOF


FROM POWER SOURCE SYSTEM (SEE PAGE 140)
10A DOME
10A GAUGE
20A DOOR
30A POWER
POWER RELAY
L-Y
R-L(SB)
W-R
P(W)
B
W-B
+B
IG
BDL
PMS
P 4
PASSENGER SIDE J/B ECU
DCTY
PTCY
GND1
GND2
R-Y
R-W
D 5
DOOR COURTESY SW
(DRIVER' S SIDE)
D 6
DOOR COURTESY SW
(FRONT PASSENGER' S SIDE)
M 2
MOON ROOF MOTOR AND LIMIT SW
LS1
LS2
R
G
B-W
B-Y
LS#3
LS#2
MTR+
MTR–
IG
E
M 1
MOON ROOF CONTROL SW
AND RELAY
II : LHD
IE : RHD
IE : LHD
II : RHD
BJ

SYSTEM OUTLINE

The moon roof can be operated when the ignition SW is turned to ON position.

1. SLIDE OPEN OPERATION

The moon roof fully opens automatically by pressing the SLIDE OPEN button of the moon roof control SW once. If the moon roof control switch is pressed again when the moon roof is operating, the movement of the moon roof stops.
The operation of SLIDE OPEN is not worked when the moon roof at TILT UP position.

2. SLIDE CLOSE OPERATION

If you keep pressing the TILT UP button of the moon roof control SW when the moon roof is open, the moon roof closes half and stops the operation once. If you keep pressing the TILT UP once again, the moon roof fully closes.

3. TILT UP OPERATION

If you press the TILT UP button of the moon roof control SW, the moon roof is tilted up. However, the moon roof is not tilted up when it is open

4. TILT DOWN OPERATION

If you press the SLIDE OPEN button when the TILT UP of the moon roof control SW is pressed, the moon roof is tilted down.

5. KEY OFF MOON ROOF OPERATION

When the ignition SW is turned from ON position to OFF or ACC position, the moon roof can be operated within about 40 seconds. However, even if it is within about 40 seconds, the moon roof can not be operated when each of the front doors opens.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B-GROUND : Always approx. **12** volts
BDL-GROUND : Always approx. **12** volts
IG-GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1-GROUND : Always continuity
GND2-GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
D5	94 (LHD 5-Door)	D6	104 (RHD 5-Door)	M2		95 (LHD 5-Door)
	96 (LHD 3-Door)		106 (RHD 3-Door)			97 (LHD 3-Door)
	104 (RHD 5-Door)	M1	95 (LHD 5-Door)			105 (RHD 5-Door)
	106 (RHD 3-Door)		97 (LHD 3-Door)			107 (RHD 3-Door)
D6	94 (LHD 5-Door)		105 (RHD 5-Door)	P4	A	93 (LHD)
	96 (LHD 3-Door)		107 (RHD 3-Door)			103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

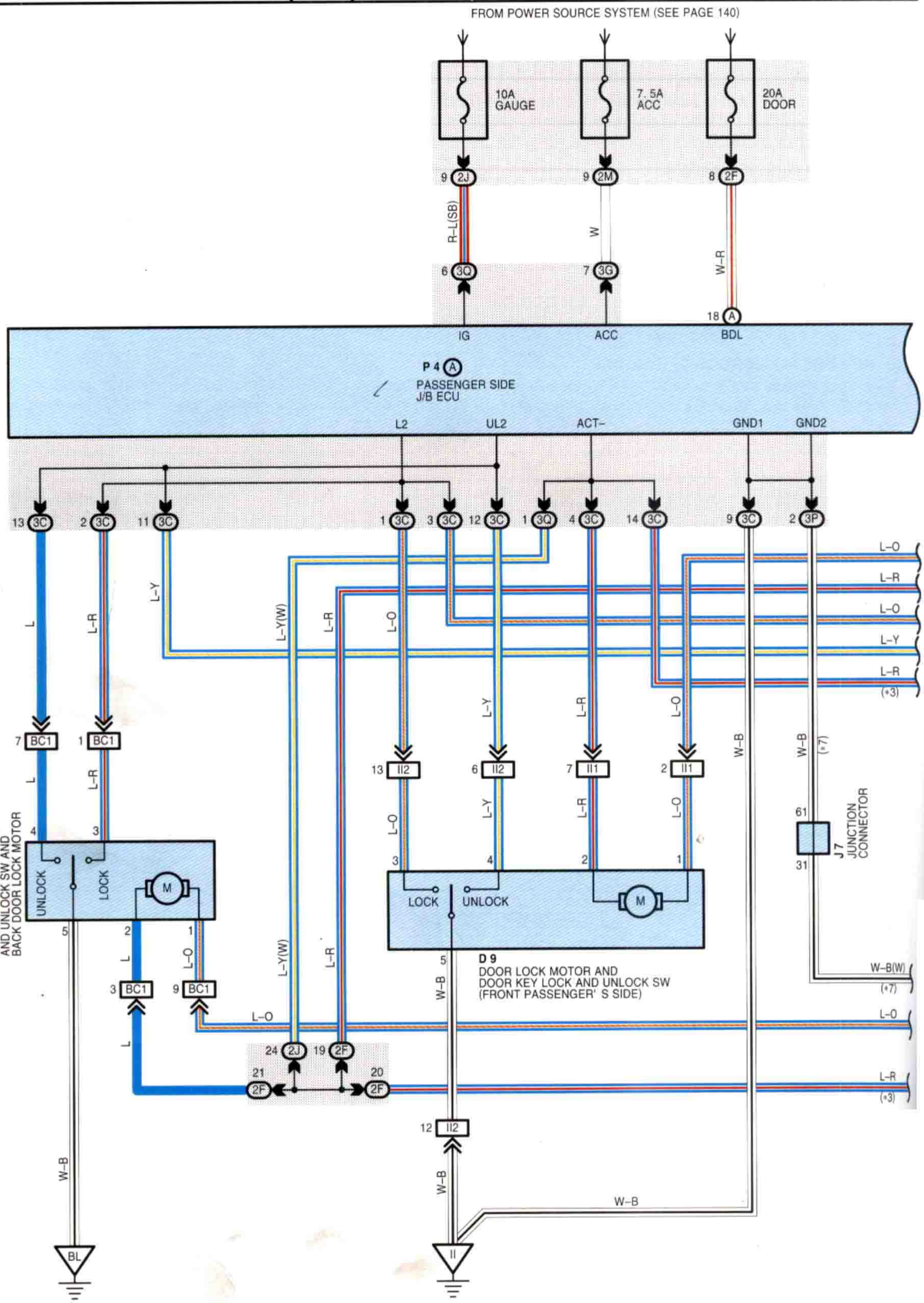
Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3A	86	Roof Wire and Passenger Side J/B (Behind the Glove Box)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

MOON ROOF

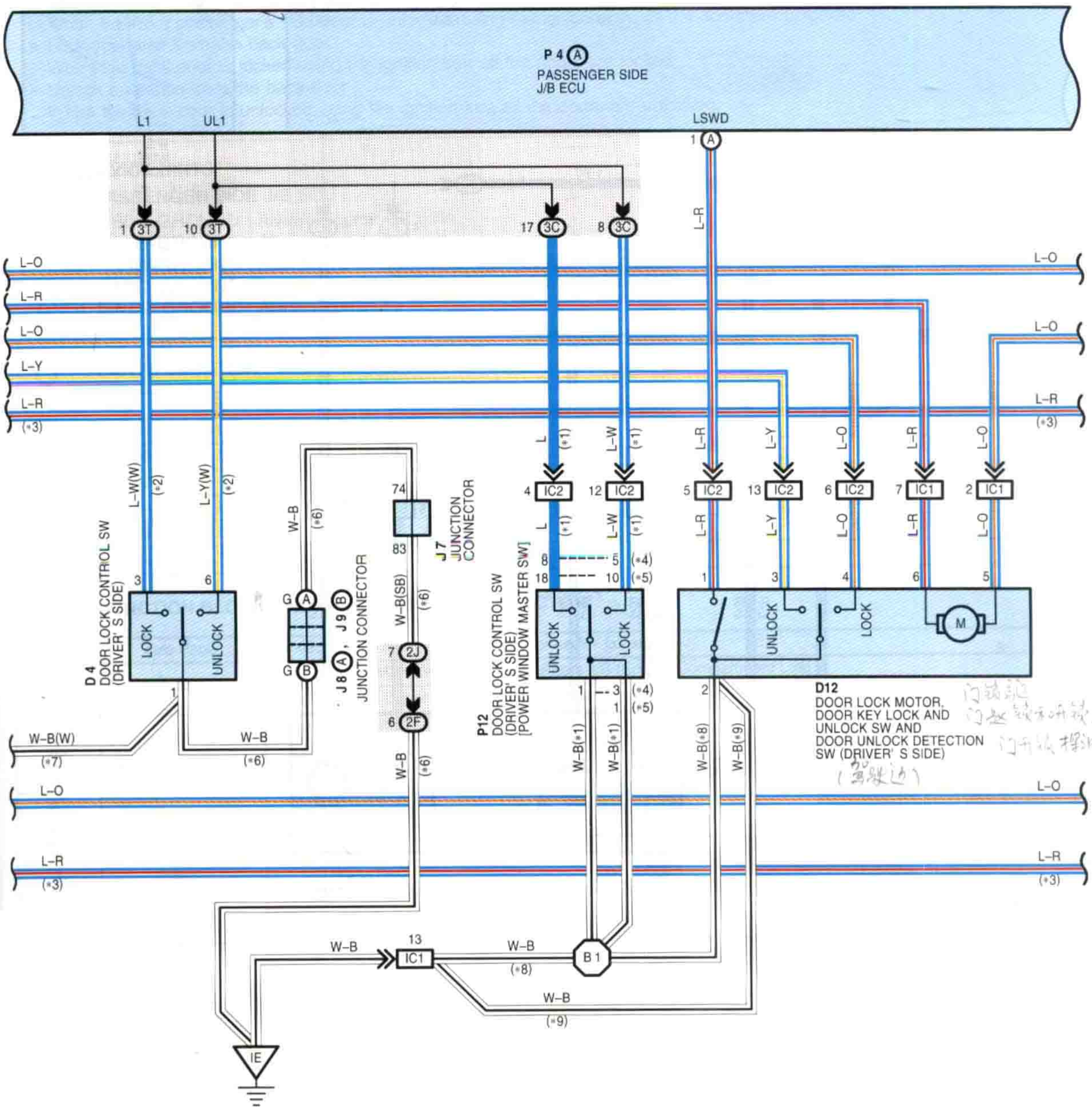
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BJ	116 (LHD 5-Door)	Behind the Moon Roof Control SW
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

DOOR LOCK CONTROL (LHD)



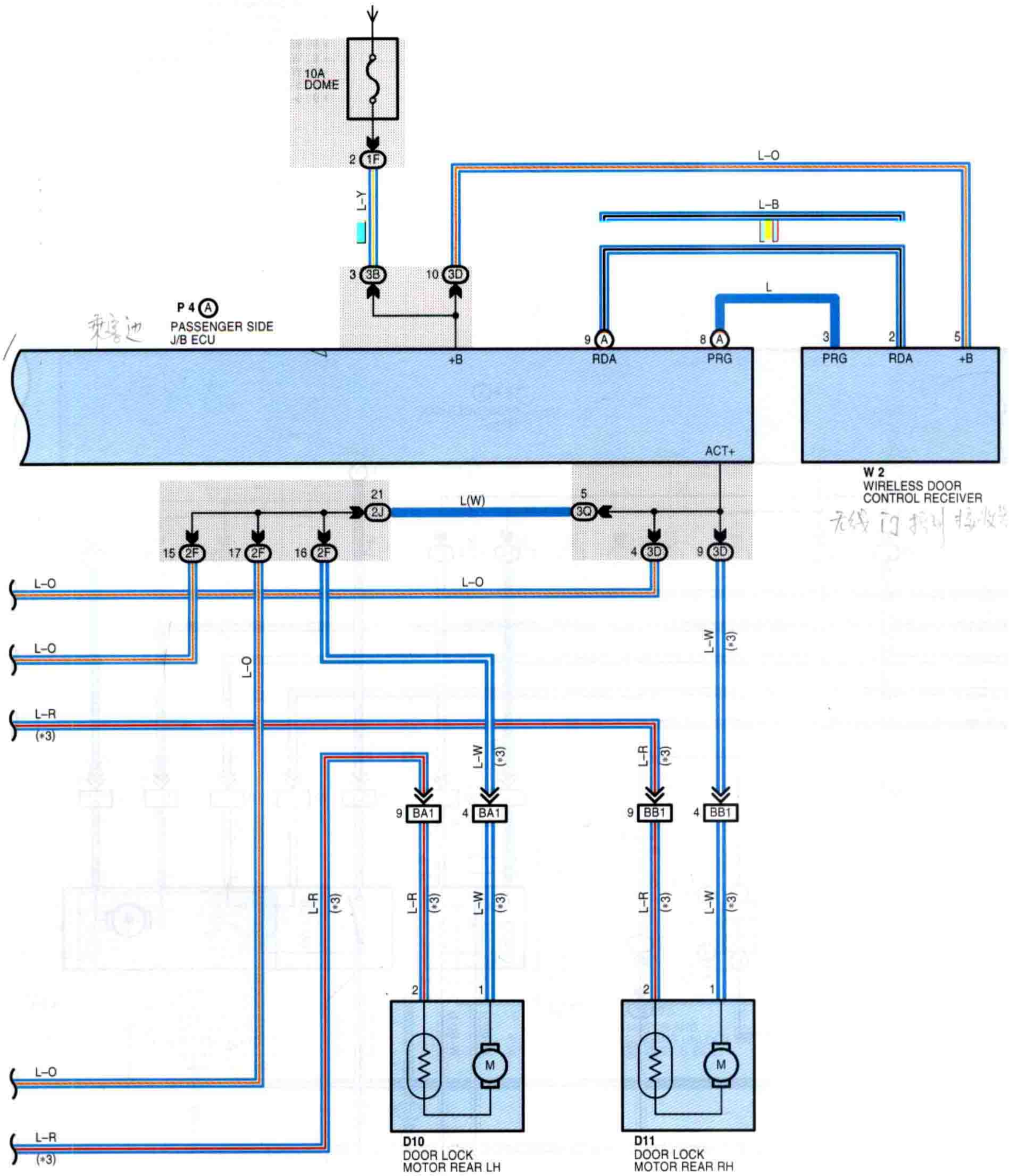
* 1 : W/ POWER WINDOW
* 2 : W/O POWER WINDOW
* 3 : 5–DOOR
* 4 : W/ REAR POWER WINDOW
* 5 : W/O REAR POWER WINDOW
* 6 : W/ SRS AND W/O POWER WINDOW
* 7 : W/O SRS AND W/O POWER WINDOW
* 8 : 5–DOOR W/ POWER WINDOW OR 3–DOOR
* 9 : 5–DOOR W/O POWER WINDOW



DOOR LOCK CONTROL (LHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 3 : 5–DOOR



SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

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

2. MANUAL LOCK OPERATION

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

3. DOOR KEY LOCK AND UNLOCK OPERATION

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

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

BDL–GROUND : Always approx. **12** volts
+B–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
ACC–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
GND1, GND2–GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B7	94 (LHD 5–Door)	D11	94 (LHD 5–Door)	P4 A	93 (LHD)
	96 (LHD 3–Door)	D12	94 (LHD 5–Door)	P12	95 (LHD 5–Door)
D4	92 (LHD)		96 (LHD 3–Door)		97 (LHD 3–Door)
D9	94 (LHD 5–Door)	J7	93 (LHD)	W2	95 (LHD 5–Door)
	96 (LHD 3–Door)	J8 A	93 (LHD)		97 (LHD 3–Door)
D10	94 (LHD 5–Door)	J9 B	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3T		

DOOR LOCK CONTROL (LHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II2		
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	

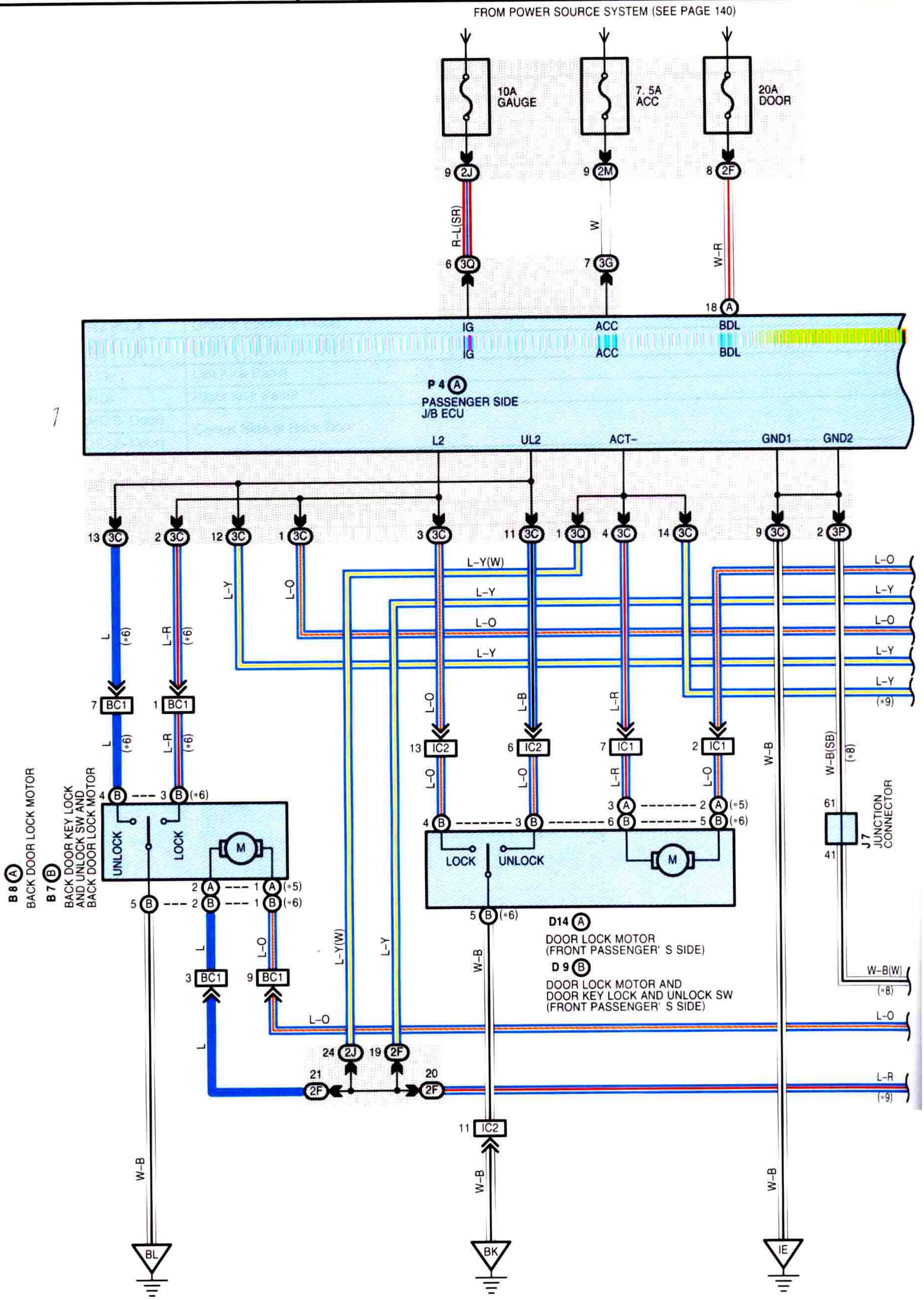
: GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	

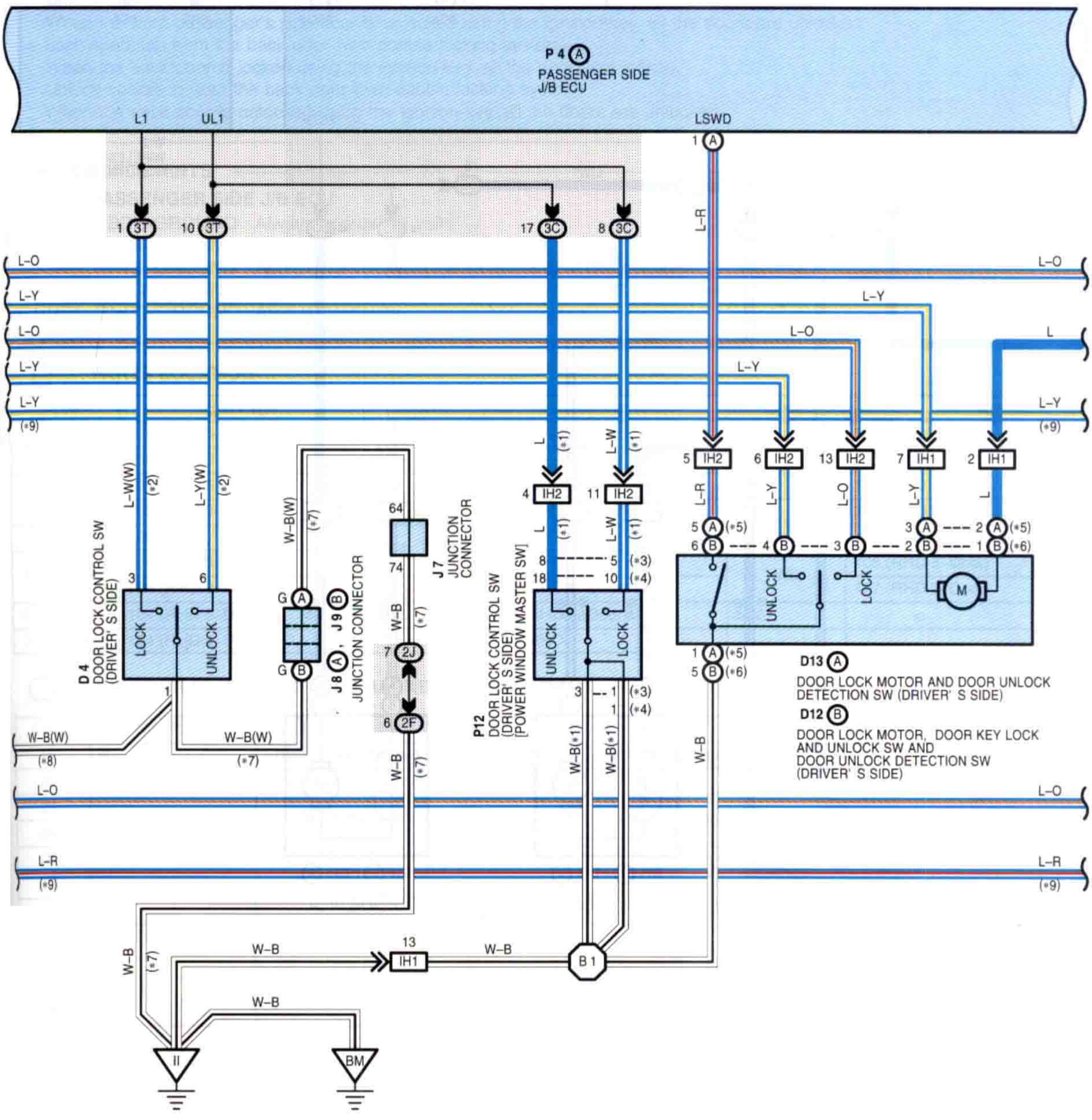
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	116 (LHD 5-Door)	Front Door LH Wire	B1	118 (LHD 3-Door)	Front Door LH Wire

DOOR LOCK CONTROL (RHD)



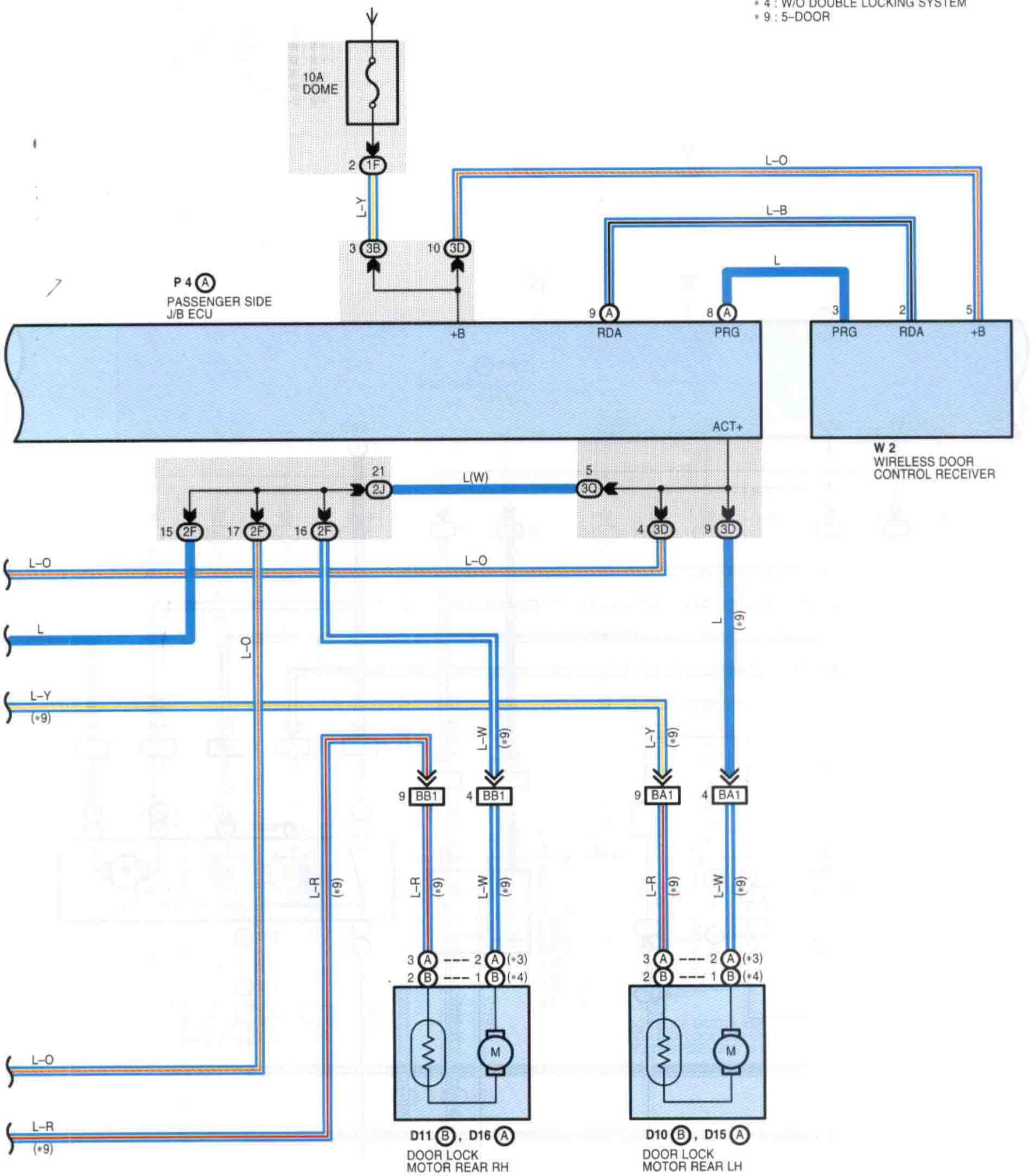
- *1 : W/ POWER WINDOW
- *2 : W/O POWER WINDOW
- *3 : W/ REAR POWER WINDOW
- *4 : W/O REAR POWER WINDOW
- *5 : W/ DOUBLE LOCKING SYSTEM
- *6 : W/O DOUBLE LOCKING SYSTEM
- *7 : W/ SRS AND W/O POWER WINDOW
- *8 : W/O SRS AND W/O POWER WINDOW
- *9 : 5–DOOR



DOOR LOCK CONTROL (RHD)

FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 3 : W/ DOUBLE LOCKING SYSTEM
* 4 : W/O DOUBLE LOCKING SYSTEM
* 9 : 5–DOOR



SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

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

2. MANUAL LOCK OPERATION

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

3. DOOR KEY LOCK AND UNLOCK OPERATION

* Lock operation from the driver's side door
  When the driver's side door is locked using the ignition key, all the doors are locked.
* Unlock operation from the driver's side door
  When the driver's side door is unlocked once using the ignition key, only the driver's side door is unlocked. If this operation is repeated within 3 seconds, all the other doors are unlocked.
* Lock operation from the front passenger's side door
  When the front passenger's side door is locked using the ignition key, all the doors are locked.
* Unlock operation from the front passenger's side door
  When the front passenger's side door is unlocked using the ignition key, all the doors are unlocked
* Lock operation from the back door (w/o double locking system)
  When the back door is locked using the ignition key, all the doors are locked.
* Unlock operation from the back door (w/o double locking system)
  When the back door is unlocked using the ignition key, all the doors are unlocked.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

BDL–GROUND : Always approx. **12** volts
+B–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
ACC–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
GND1, GND2–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
B7	B	104 (RHD 5–Door)	D12	B	104 (RHD 5–Door)	J8	A	103 (RHD)
		106 (RHD 3–Door)			106 (RHD 3–Door)	J9	B	103 (RHD)
B8	A	104 (RHD 5–Door)	D13	A	104 (RHD 5–Door)	P4	A	103 (RHD)
		106 (RHD 3–Door)			106 (RHD 3–Door)	P12		105 (RHD 5–Door)
D4		102 (RHD)	D14	A	104 (RHD 5–Door)			107 (RHD 3–Door)
D9	B	104 (RHD 5–Door)			106 (RHD 3–Door)	W2		105 (RHD 5–Door)
		106 (RHD 3–Door)	D15	A	104 (RHD 5–Door)			107 (RHD 3–Door)
D10	B	104 (RHD 5–Door)	D16	A	104 (RHD 5–Door)			
D11	B	104 (RHD 5–Door)	J7		103 (RHD)			

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J 2M	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C 3D	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G 3P 3Q 3T	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

DOOR LOCK CONTROL (RHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	124 (RHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
BA1	128 (RHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	128 (RHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	128 (RHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	130 (RHD 3-Door)	

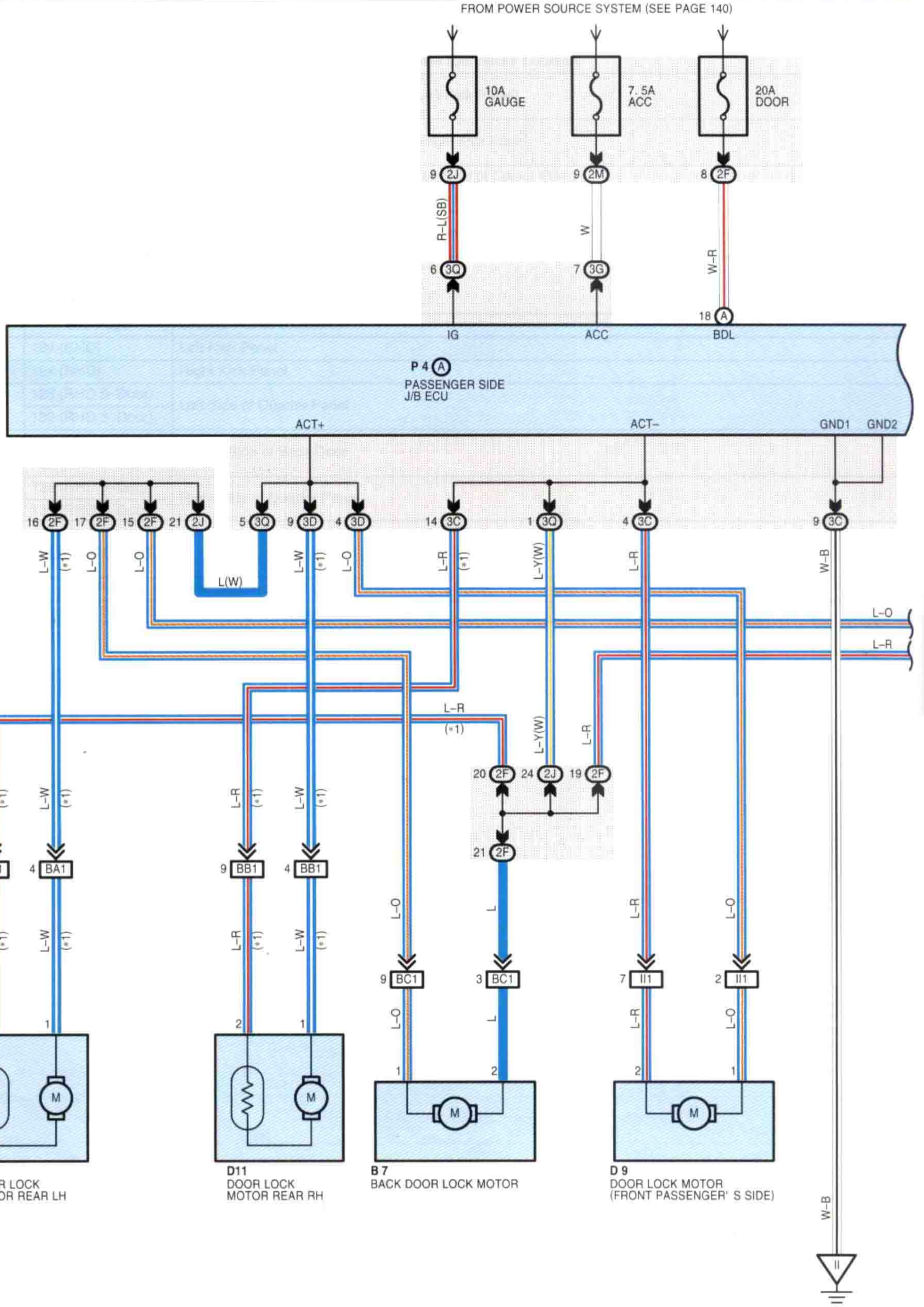
: GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel
BK	128 (RHD 5-Door)	Left Side of Quarter Panel
	130 (RHD 3-Door)	
BL	128 (RHD 5-Door)	Center Side of Back Door
	130 (RHD 3-Door)	
BM	128 (RHD 5-Door)	Right Side of Quarter Panel
	130 (RHD 3-Door)	

: SPLICE POINTS

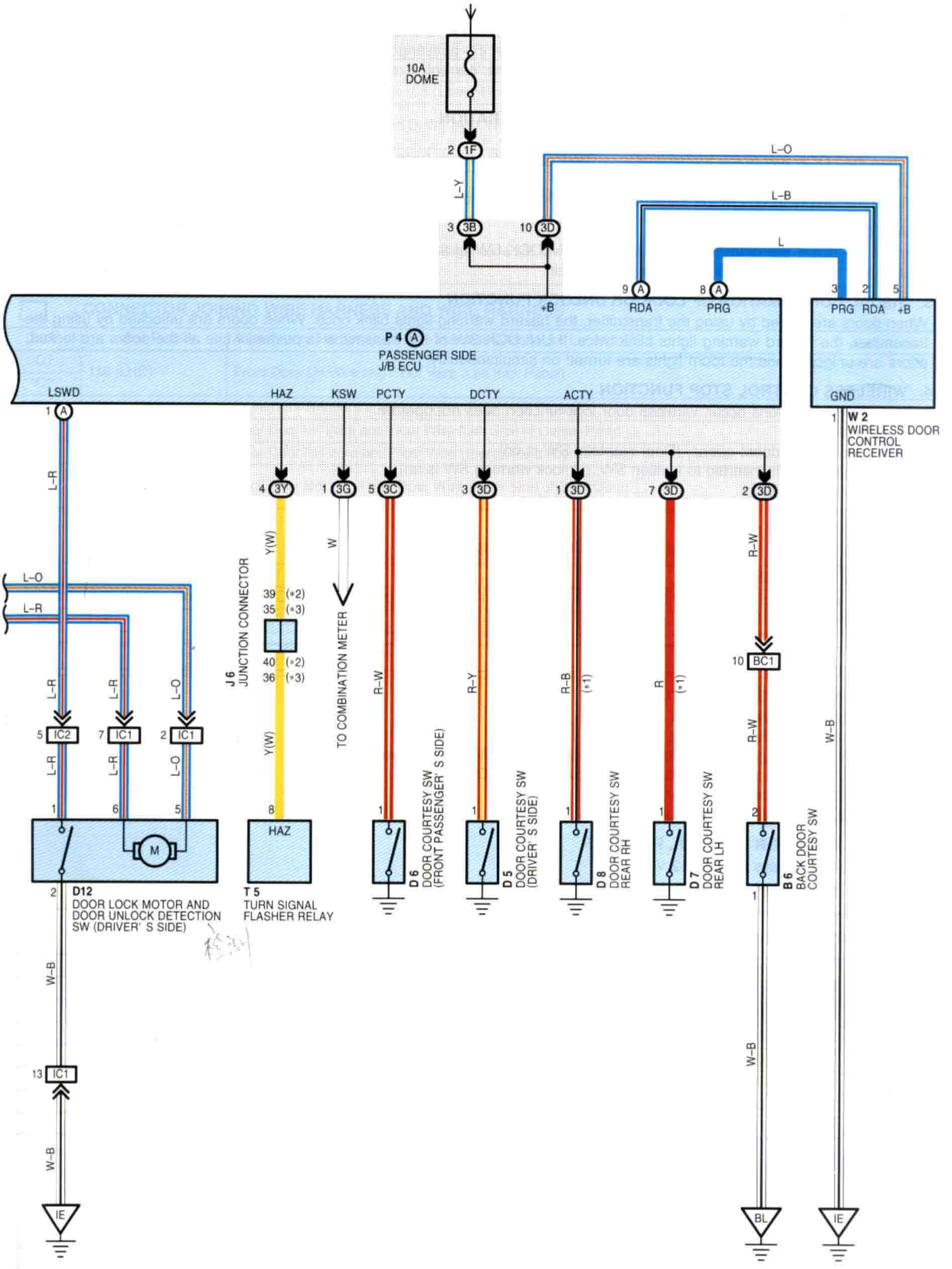
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	128 (RHD 5-Door)	Front Door RH Wire	B1	130 (RHD 3-Door)	Front Door RH Wire

WIRELESS DOOR LOCK CONTROL (LHD)



* 1 : 5–DOOR
* 2 : W/ SRS
* 3 : W/O SRS

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



WIRELESS DOOR LOCK CONTROL (LHD)

SYSTEM OUTLINE

The current is always sent from DOOR fuse to TERMINAL BDL of the passenger side J/B ECU. At the same time, the current is always sent from DOME fuse to TERMINAL +B of the passenger side J/B ECU and TERMINAL +B of the wireless door control receiver. When ignition SW is turned on, the current is sent from GAUGE fuse to TERMINAL IG of the passenger side J/B ECU.

1. WIRELESS DOOR LOCK OR UNLOCK NORMAL OPERATION

* Lock operation
  When the LOCK SW of the transmitter is pushed, all the doors are locked.
* Unlock operation
  When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.

2. AUTOMATIC LOCK OPERATION

After all the doors are unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. VISUAL CONFIRMATION OF LOCK OR UNLOCK FUNCTION

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink 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.

4. WIRELESS CONTROL STOP FUNCTION

If the following situations occur, wireless door lock function does not operate.
Lock operation
* When each of the doors opens. (Door courtesy SW is on)
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)
* When ignition SW is on.

Unlock operation
* When ignition SW is on
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. REPEAT FUNCTION

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
BDL–GROUND : Always approx. **12** volts
ACC–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity

W2 WIRELESS DOOR CONTROL RECEIVER

5–GROUND : Always approx. **12** volts
1–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B6	94 (LHD 5–Door)	D6	96 (LHD 3–Door)	D12	94 (LHD 5–Door)
	96 (LHD 3–Door)	D7	94 (LHD 5–Door)		96 (LHD 3–Door)
B7	94 (LHD 5–Door)	D8	94 (LHD 5–Door)	J6	93 (LHD)
	96 (LHD 3–Door)	D9	94 (LHD 5–Door)	P4 A	93 (LHD)
D5	94 (LHD 5–Door)		96 (LHD 3–Door)	T5	93 (LHD)
	96 (LHD 3–Door)	D10	94 (LHD 5–Door)	W2	95 (LHD 5–Door)
D6	94 (LHD 5–Door)	D11	94 (LHD 5–Door)		97 (LHD 3–Door)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3Y		

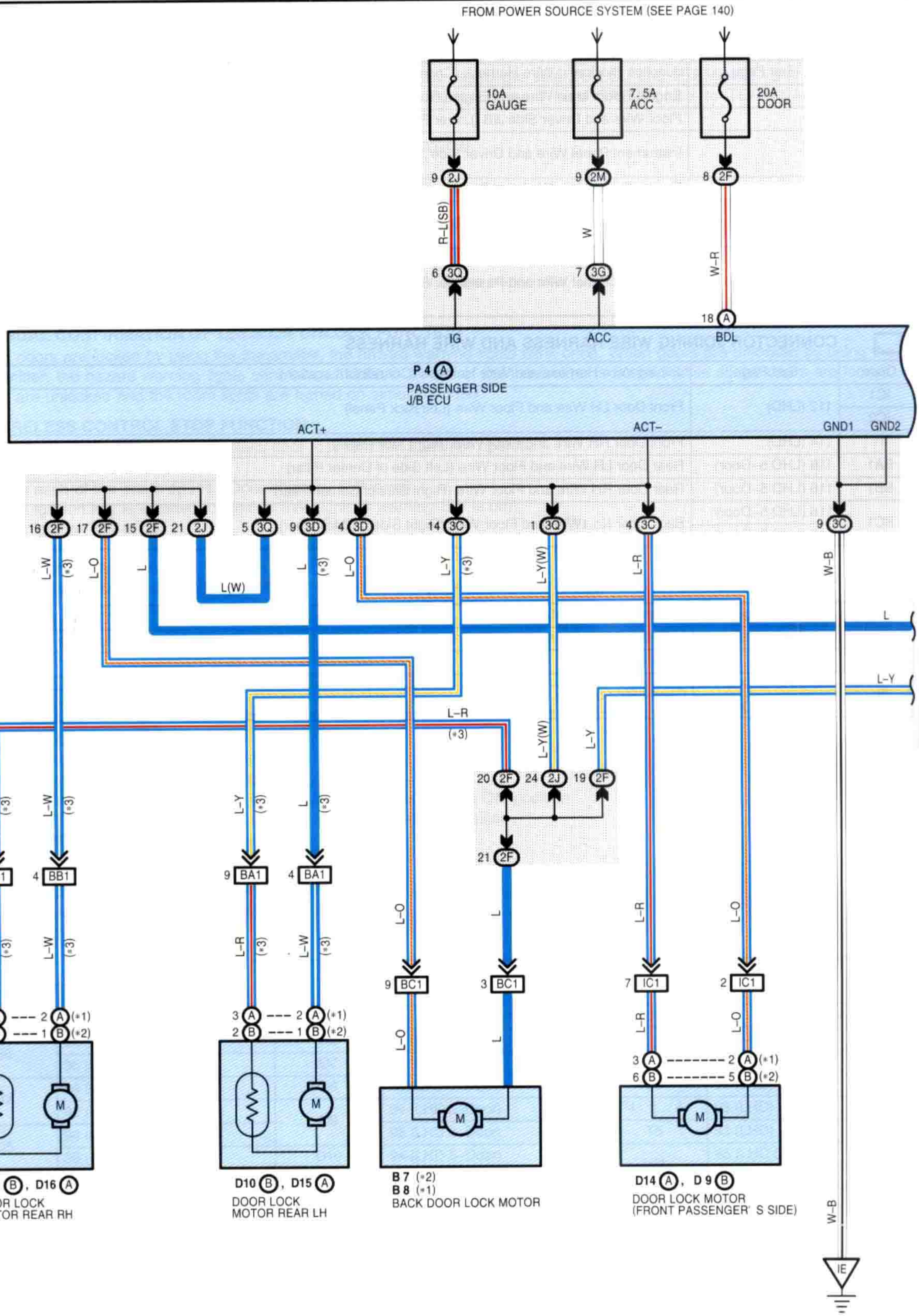
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	

WIRELESS DOOR LOCK CONTROL (RHD)



D11 B , D16 A
DOOR LOCK MOTOR REAR RH

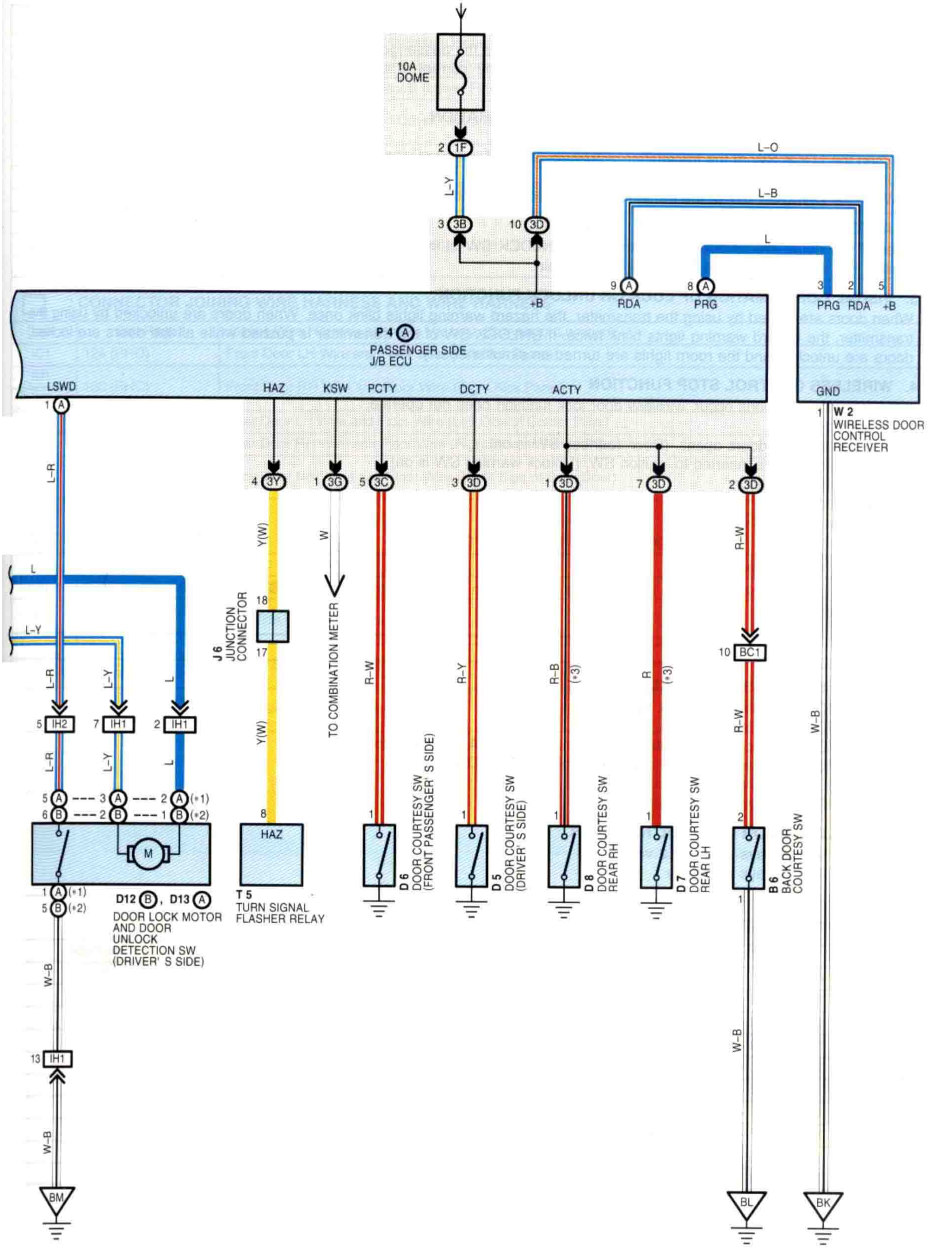
D10 B , D15 A
DOOR LOCK MOTOR REAR LH

B 7 (*2)
B 8 (*1)
BACK DOOR LOCK MOTOR

D14 A , D 9 B
DOOR LOCK MOTOR (FRONT PASSENGER' S SIDE)

* 1 : W/ DOUBLE LOCKING SYSTEM
* 2 : W/O DOUBLE LOCKING SYSTEM
* 3 : 5–DOOR

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



WIRELESS DOOR LOCK CONTROL (RHD)

SYSTEM OUTLINE

The current is always sent from DOOR fuse to TERMINAL BDL of the passenger side J/B ECU. At the same time, the current is always sent from DOME fuse to TERMINAL +B of the passenger side J/B ECU and TERMINAL +B of the wireless door control receiver. When ignition SW is turned on, the current is sent from GAUGE fuse to TERMINAL IG of the passenger side J/B ECU.

1. WIRELESS DOOR LOCK OR UNLOCK NORMAL OPERATION

* Lock operation
  When the LOCK SW of the transmitter is pushed, all the doors are locked.
* Unlock operation
  When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.

2. AUTOMATIC LOCK OPERATION

After all the doors are unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. VISUAL CONFIRMATION OF LOCK OR UNLOCK FUNCTION

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink 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.

4. WIRELESS CONTROL STOP FUNCTION

If the following situations occur, wireless door lock function does not operate.
Lock operation
* When each of the doors opens. (Door courtesy SW is on)
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)
* When ignition SW is on.

Unlock operation
* When ignition SW is on
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. REPEAT FUNCTION

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
BDL–GROUND : Always approx. **12** volts
ACC–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity

W2 WIRELESS DOOR CONTROL RECEIVER

5–GROUND : Always approx. **12** volts
1–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code		See Page
B6	104 (RHD 5–Door)	D7		104 (RHD 5–Door)	D14	A	104 (RHD 5–Door)
	106 (RHD 3–Door)	D8		104 (RHD 5–Door)			106 (RHD 3–Door)
B7	104 (RHD 5–Door)	D9	B	104 (RHD 5–Door)	D15	A	104 (RHD 5–Door)
	106 (RHD 3–Door)			106 (RHD 3–Door)	D16	A	104 (RHD 5–Door)
B8	104 (RHD 5–Door)	D10	B	104 (RHD 5–Door)	J6		103 (RHD)
	106 (RHD 3–Door)	D11	B	104 (RHD 5–Door)	P4	A	103 (RHD)
D5	104 (RHD 5–Door)	D12	B	104 (RHD 5–Door)	T5		103 (RHD)
	106 (RHD 3–Door)			106 (RHD 3–Door)	W2		105 (RHD 5–Door)
D6	104 (RHD 5–Door)	D13	A	104 (RHD 5–Door)			107 (RHD 3–Door)
	106 (RHD 3–Door)			106 (RHD 3–Door)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3Y		

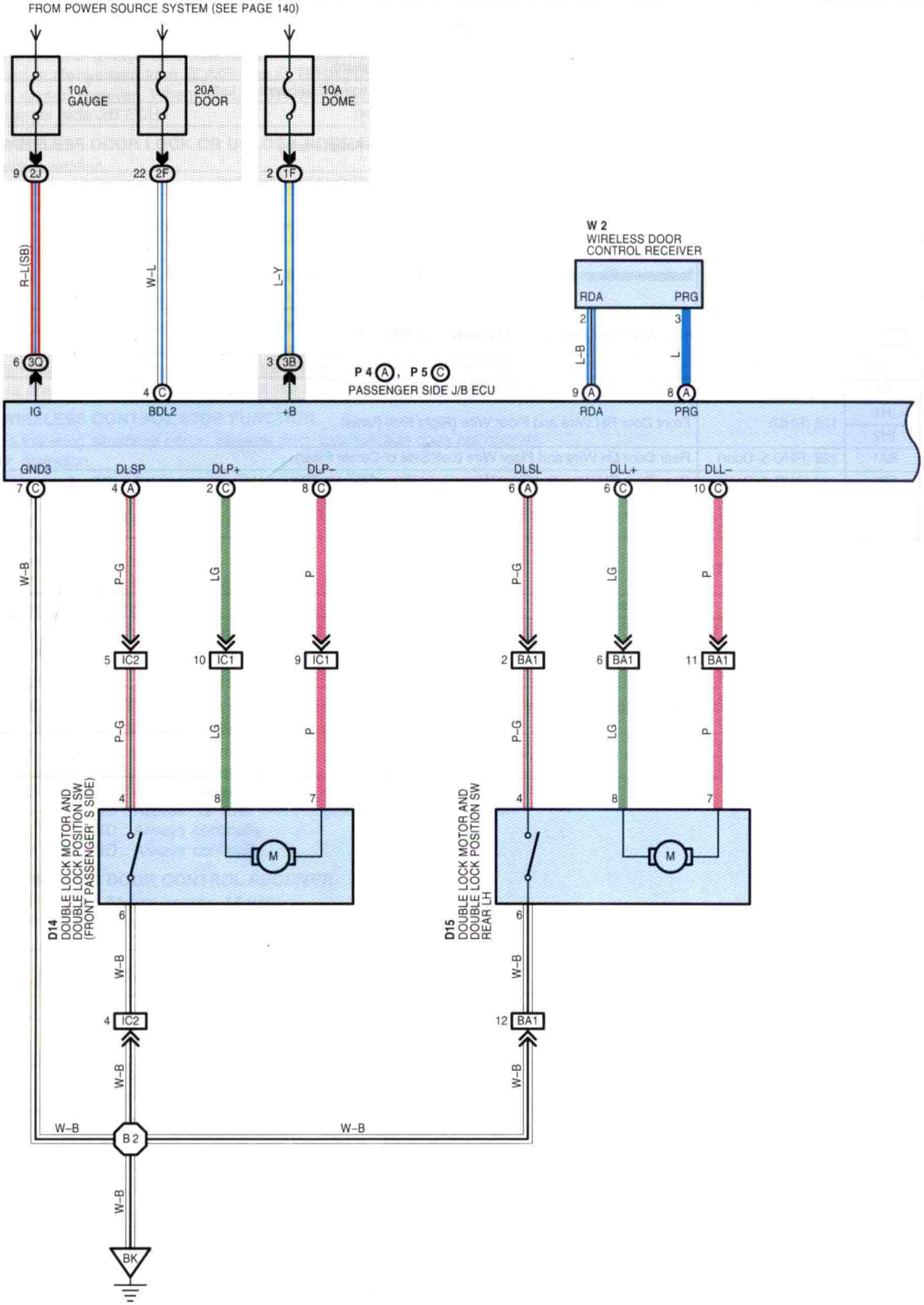
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	124 (RHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
BA1	128 (RHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	128 (RHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	128 (RHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	130 (RHD 3-Door)	

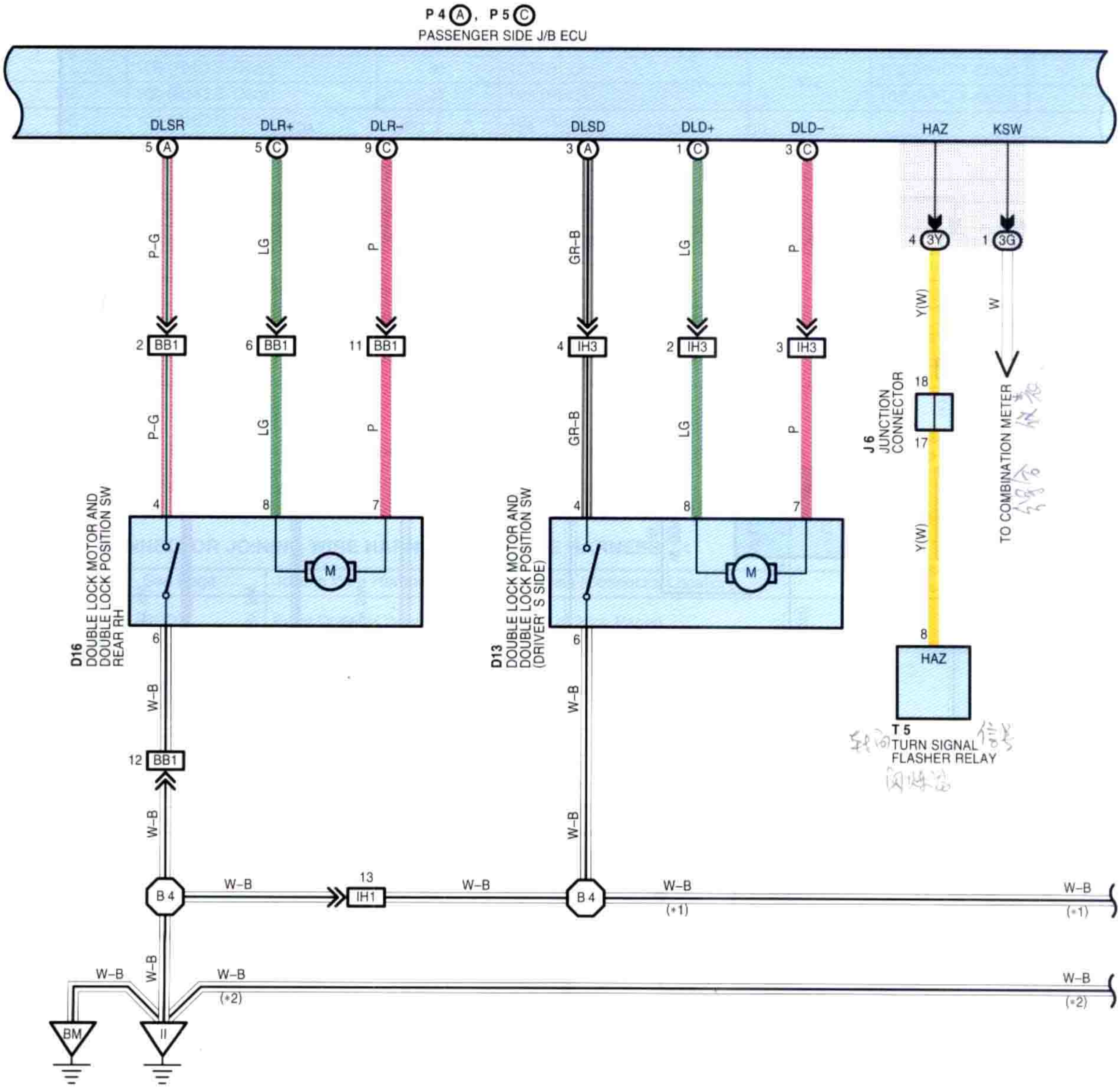
: GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
BK	128 (RHD 5-Door)	Left Side of Quarter Panel
	130 (RHD 3-Door)	
BL	128 (RHD 5-Door)	Center Side of Back Door
	130 (RHD 3-Door)	
BM	128 (RHD 5-Door)	Right Side of Quarter Panel
	130 (RHD 3-Door)	

DOUBLE LOCKING

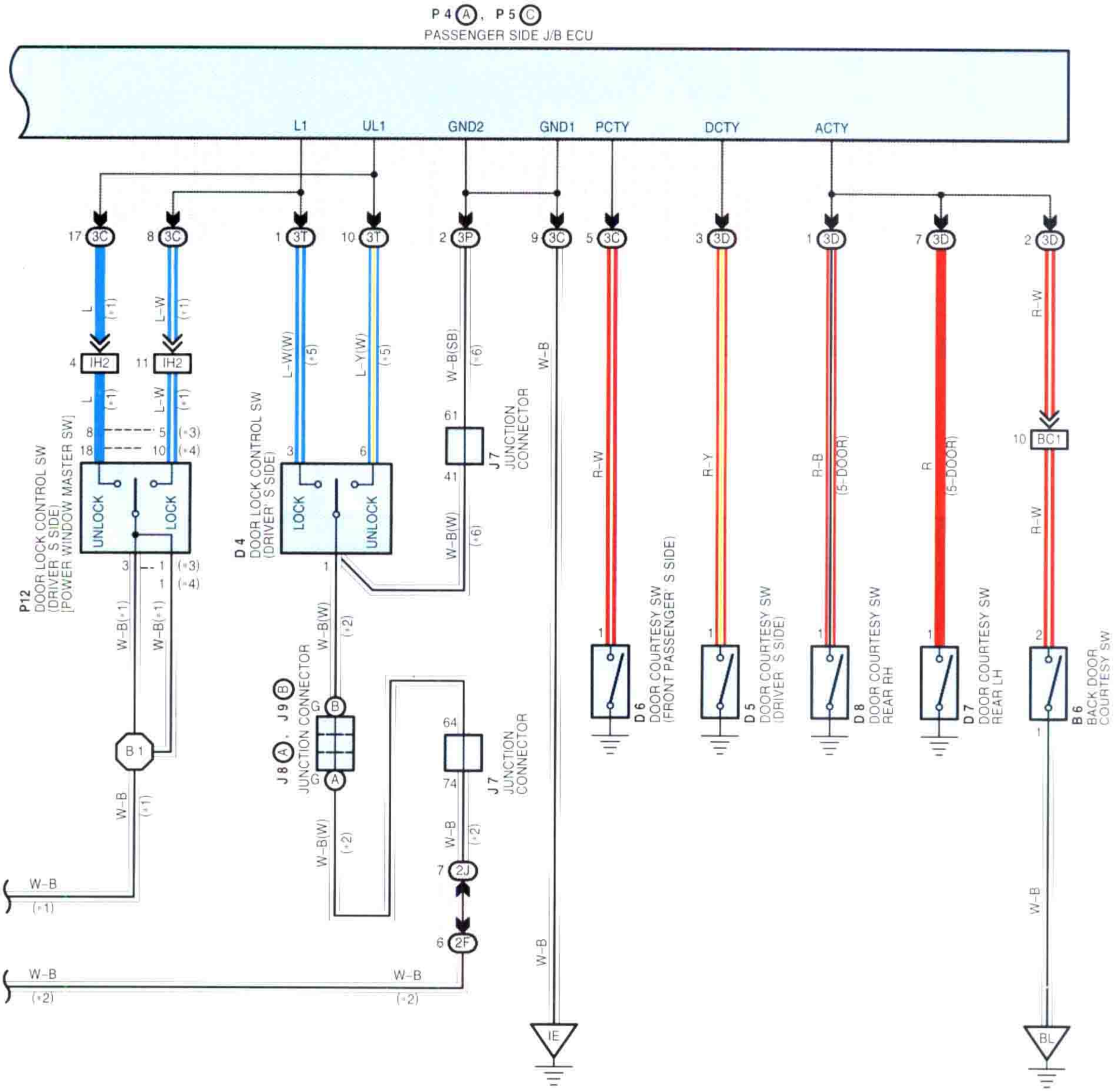


* 1 : W/ POWER WINDOW
* 2 : W/ SRS AND W/O POWER WINDOW



DOUBLE LOCKING

- 1 : W/ POWER WINDOW
- 2 : W/ SRS AND W/O POWER WINDOW
- 3 : W/ REAR POWER WINDOW
- 4 : W/O REAR POWER WINDOW
- 5 : W/O POWER WINDOW
- 6 : W/O SRS AND W/O POWER WINDOW



SERVICE HINTS

P5 (C) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
BDL2–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity
GND3–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B6	104 (RHD 5–Door)	D13	104 (RHD 5–Door)	J9 B	103 (RHD)
	106 (RHD 3–Door)		106 (RHD 3–Door)	P4 A	103 (RHD)
D4	102 (RHD)	D14	104 (RHD 5–Door)	P5 C	103 (RHD)
D5	104 (RHD 5–Door)		106 (RHD 3–Door)	P12	105 (RHD 5–Door)
	106 (RHD 3–Door)	D15	104 (RHD 5–Door)		107 (RHD 3–Door)
D6	104 (RHD 5–Door)	D16	104 (RHD 5–Door)	T5	103 (RHD)
	106 (RHD 3–Door)	J6	103 (RHD)	W2	105 (RHD 5–Door)
D7	104 (RHD 5–Door)	J7	103 (RHD)		107 (RHD 3–Door)
D8	104 (RHD 5–Door)	J8 A	103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3T		
3Y		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	124 (RHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
IH3		
BA1	128 (RHD 5–Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	128 (RHD 5–Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	128 (RHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	130 (RHD 3–Door)	

DOUBLE LOCKING

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel
BK	128 (RHD 5–Door)	Left Side of Quarter Panel
	130 (RHD 3–Door)	
BL	128 (RHD 5–Door)	Center Side of Back Door
	130 (RHD 3–Door)	
BM	128 (RHD 5–Door)	Right Side of Quarter Panel
	130 (RHD 3–Door)	

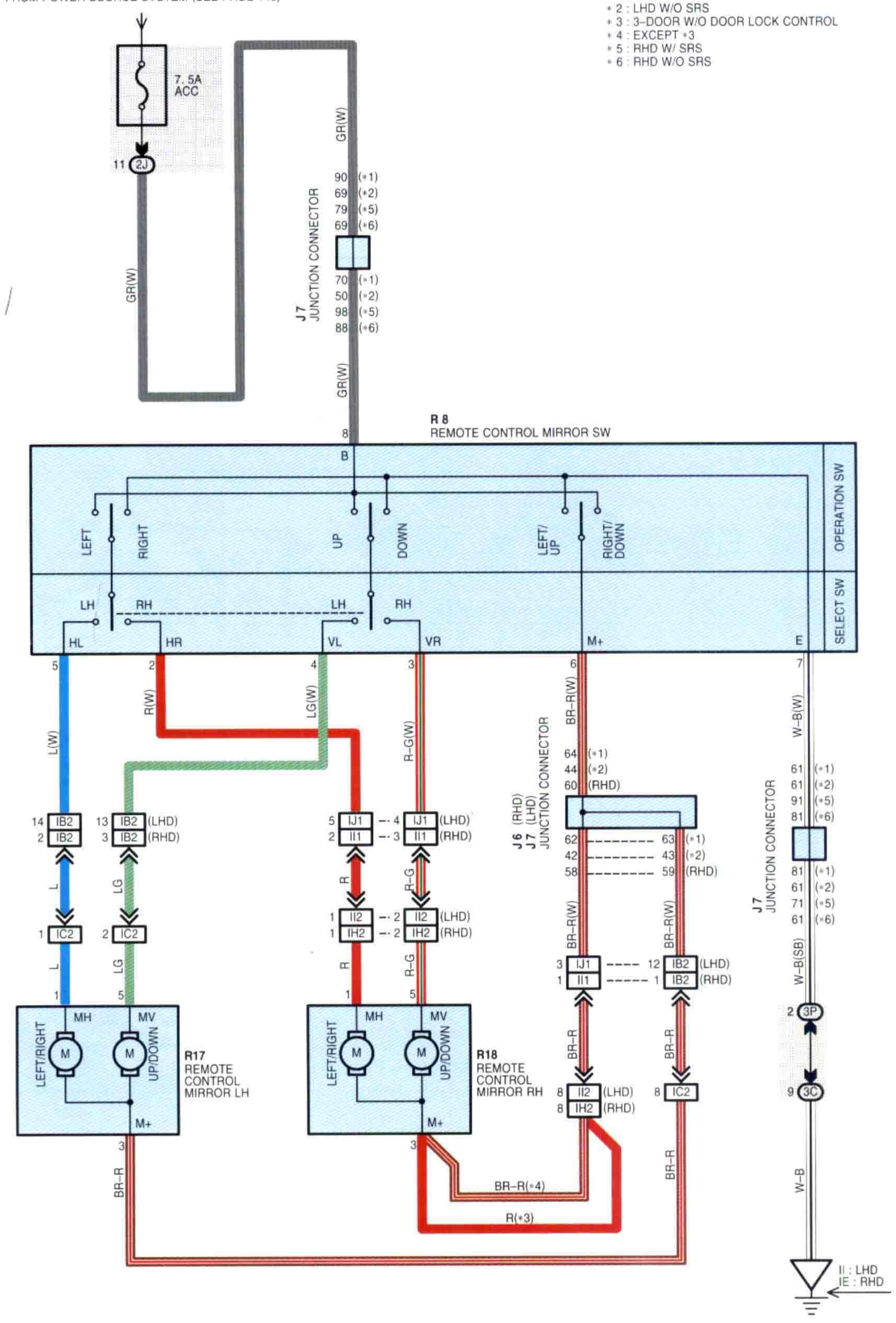
○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	128 (RHD 5–Door)	Front Door RH Wire	B2	130 (RHD 3–Door)	Floor Wire
	130 (RHD 3–Door)		B4	128 (RHD 5–Door)	
B2	128 (RHD 5–Door)	Floor Wire		130 (RHD 3–Door)	

REMOTE CONTROL MIRROR

FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : 3–DOOR W/O DOOR LOCK CONTROL
* 4 : EXCEPT *3
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS



SERVICE HINTS

R8 REMOTE CONTROL MIRROR SW

6–7 : Continuity with the operation SW at **UP** or **LEFT** position
8–6 : Continuity with the operation SW at **DOWN** or **RIGHT** position
8–GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
7–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J6	103 (RHD)	R17	95 (LHD 5–Door)	R18	97 (LHD 3–Door)
J7	93 (LHD)		97 (LHD 3–Door)		105 (RHD 5–Door)
	103 (RHD)		105 (RHD 5–Door)		107 (RHD 3–Door)
R8	93 (LHD)		107 (RHD 3–Door)		
	103 (RHD)	R18	95 (LHD 5–Door)		

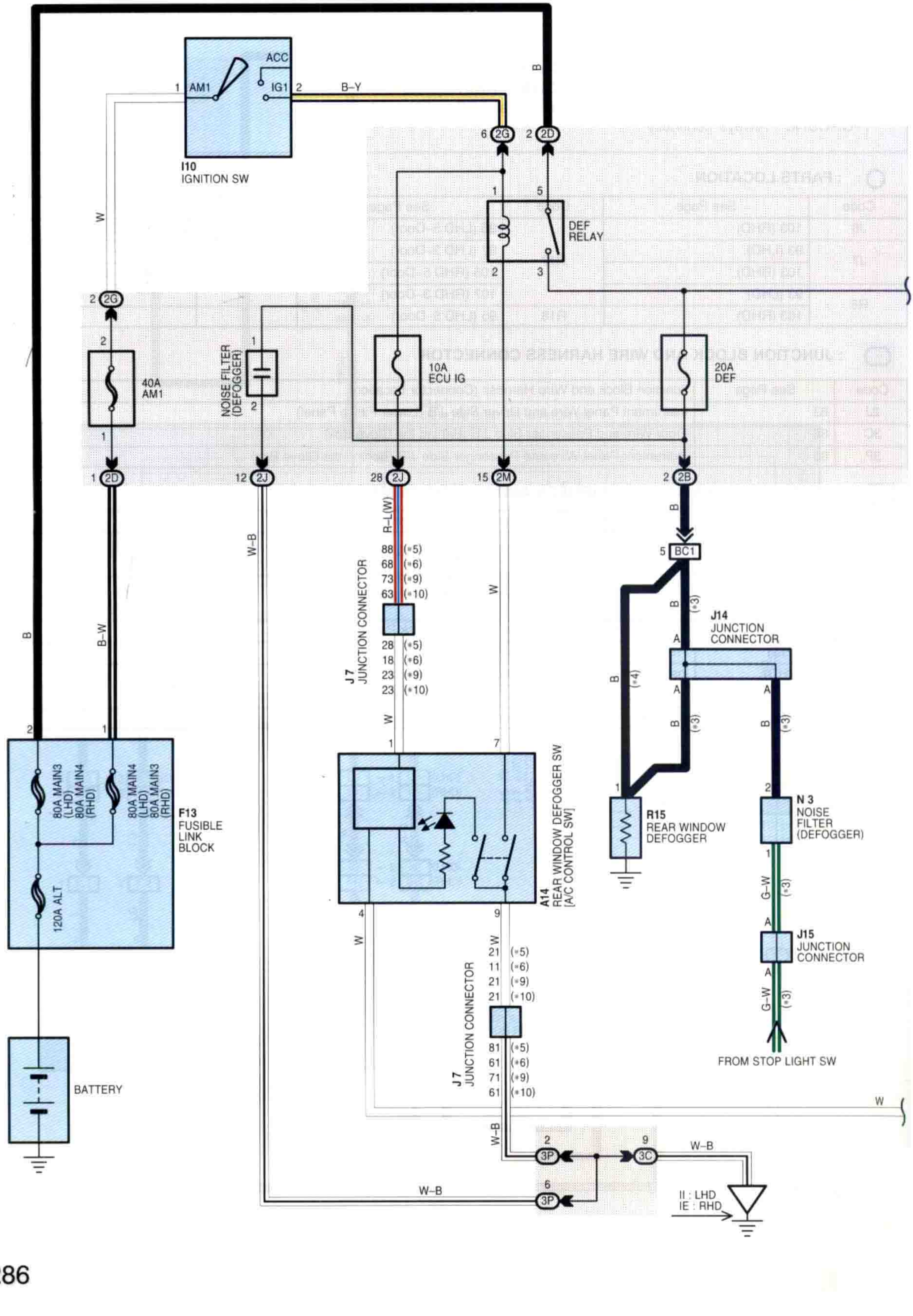
○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

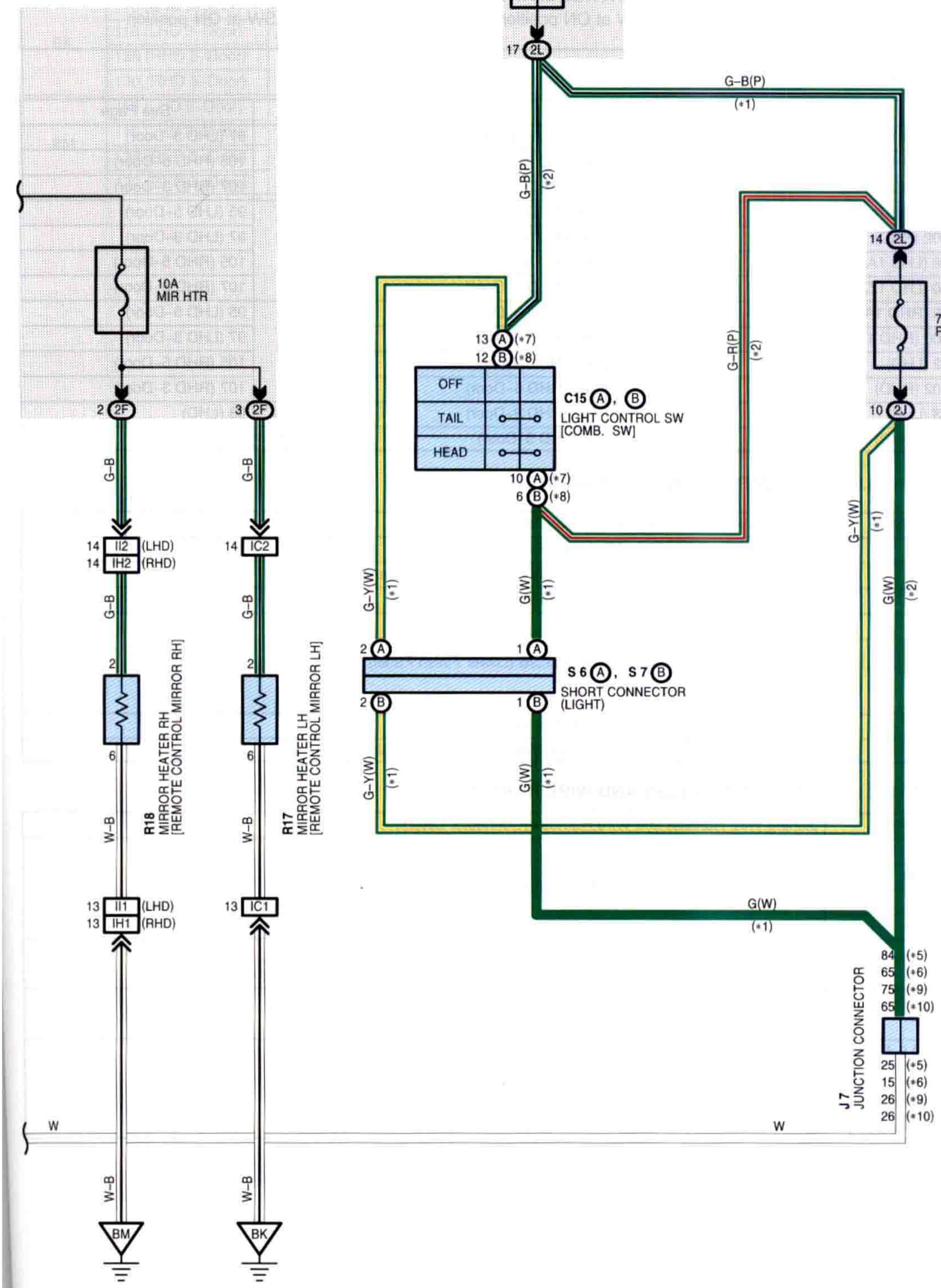
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IH2	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
	126 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
II2	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IJ1	114 (LHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)

REAR WINDOW DEFOGGER AND MIRROR HEATER



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : EUROPE
* 4 : EXCEPT EUROPE
* 5 : LHD W/ SRS
* 6 : LHD W/O SRS
* 7 : LH TURN LEVER TYPE
* 8 : RH TURN LEVER TYPE
* 9 : RHD W/ SRS
*10 : RHD W/O SRS



REAR WINDOW DEFOGGER AND MIRROR HEATER

SERVICE HINTS

A14 REAR WINDOW DEFOGGER SW [A/C CONTROL SW]

7–GROUND : Approx. **12** volts with the ignition SW at **ON** position
9–GROUND : Always continuity

R17, R18 MIRROR HEATER LH, RH [REMOTE CONTROL MIRROR LH, RH]

2–GROUND : Approx. **12** volts with the ignition SW at ON position and rear window defogger SW at **ON** position

○ : PARTS LOCATION

Code		See Page
A14		92 (LHD)
		102 (RHD)
C15	A	92 (LHD)
		102 (RHD)
	B	102 (RHD)
F13		88 (LHD 1AZ–FE)
		90 (LHD 1ZZ–FE)
		98 (RHD 1AZ–FE)
		100 (RHD 1ZZ–FE)
I10		92 (LHD)
		102 (RHD)
J7		93 (LHD)
		103 (RHD)

Code	See Page
J14	94 (LHD 5–Door)
	96 (LHD 3–Door)
	104 (RHD 5–Door)
	106 (RHD 3–Door)
J15	94 (LHD 5–Door)
	96 (LHD 3–Door)
	104 (RHD 5–Door)
	106 (RHD 3–Door)
N3	95 (LHD 5–Door)
	97 (LHD 3–Door)
	105 (RHD 5–Door)
	107 (RHD 3–Door)
R15	95 (LHD 5–Door)

Code		See Page
R15		97 (LHD 3–Door)
		105 (RHD 5–Door)
		107 (RHD 3–Door)
R17		95 (LHD 5–Door)
		97 (LHD 3–Door)
		105 (RHD 5–Door)
		107 (RHD 3–Door)
R18		95 (LHD 5–Door)
		97 (LHD 3–Door)
		105 (RHD 5–Door)
		107 (RHD 3–Door)
S6	A	93 (LHD)
S7	B	93 (LHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2D	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J	83	
2L		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

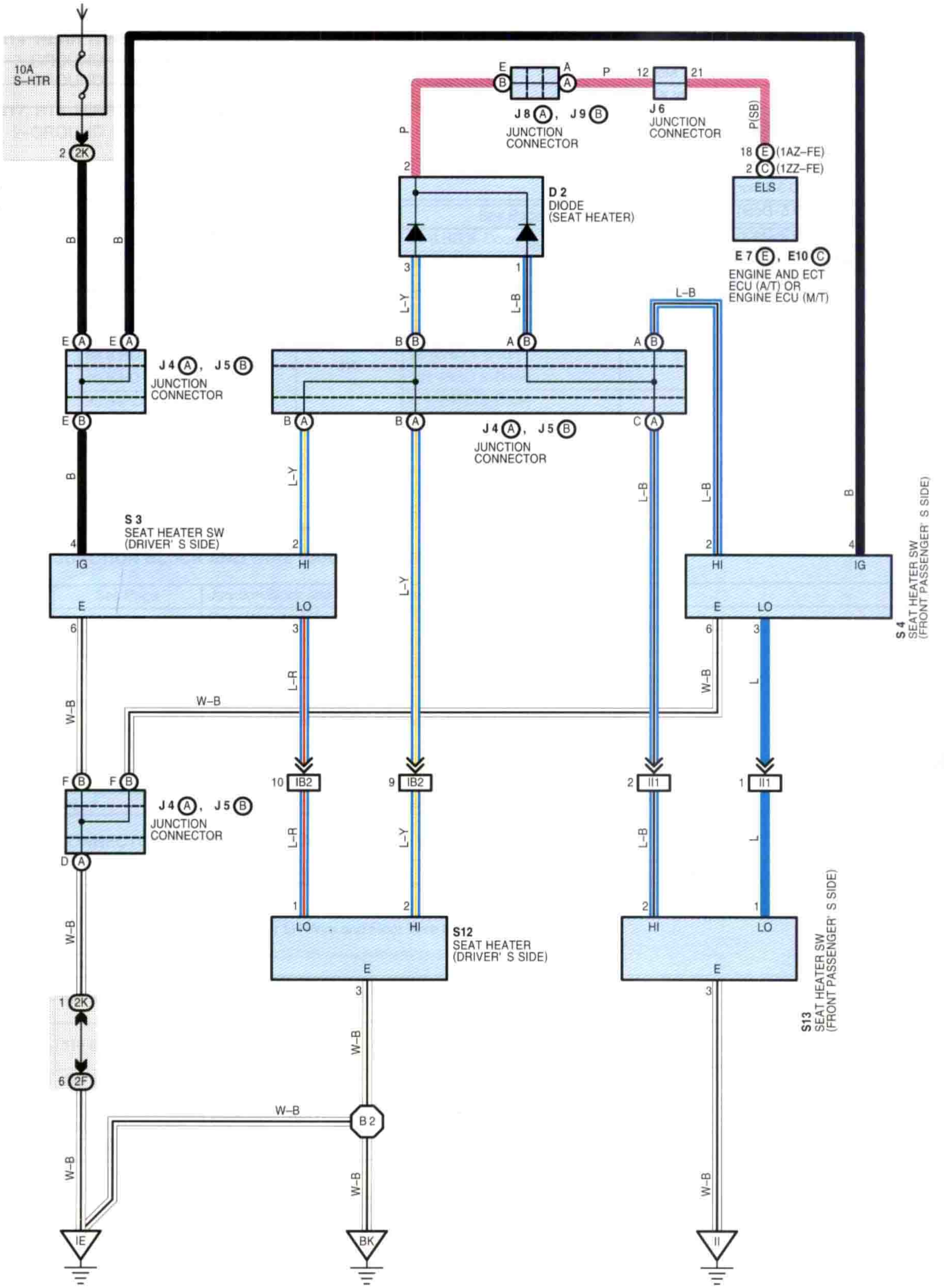
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	
	124 (RHD)	
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II2		
BC1	116 (LHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	*112 (LHD)*	*Right Kick Panel*
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BM	116 (LHD 5-Door)	Right Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

SEAT HEATER

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



SERVICE HINTS

S3 SEAT HEATER SW (DRIVER'S SIDE)

4-GROUND : Approx. **12** volts with the ignition SW at **ON** position
6-GROUND : Always continuity

S4 SEAT HEATER SW (FRONT PASSENGER'S SIDE)

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
D2		92 (LHD)	J6		93 (LHD)	S12	95 (LHD 5-Door)
E7	E	92 (LHD)	J8	A	93 (LHD)		97 (LHD 3-Door)
E10	C	92 (LHD)	J9	B	93 (LHD)	S13	95 (LHD 5-Door)
J4	A	93 (LHD)	S3		93 (LHD)		97 (LHD 3-Door)
J5	B	93 (LHD)	S4		93 (LHD)		

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2K	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)

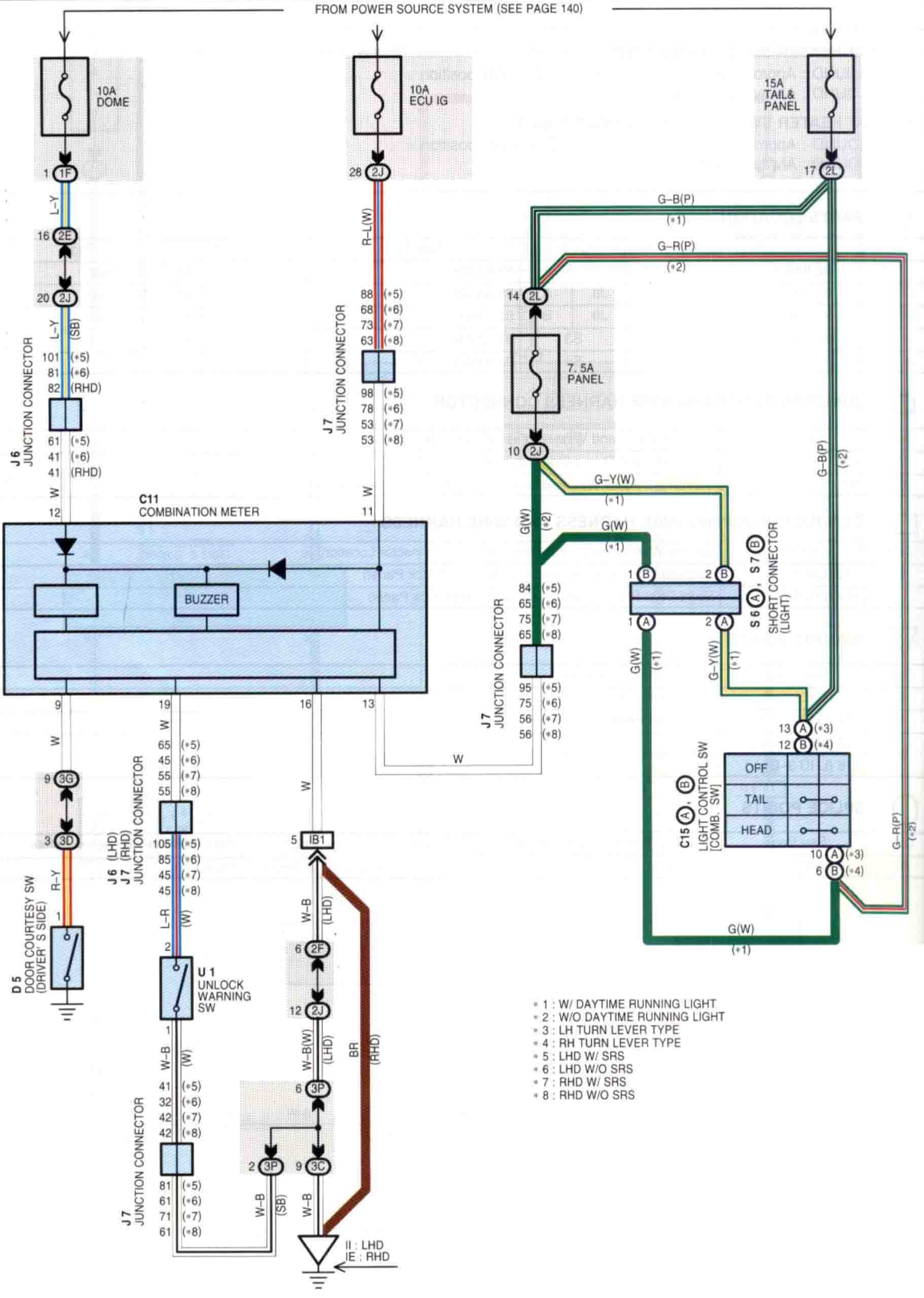
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	

⬡ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B2	116 (LHD 5-Door)	Floor Wire	B2	118 (LHD 3-Door)	Floor Wire

KEY REMINDER AND LIGHT REMINDER BUZZER



SYSTEM OUTLINE

Current always flows to TERMINAL 12 of the combination meter through the DOME fuse.
When the ignition SW is turned to ON position, current flows to TERMINAL 11 of the combination meter through the ECU IG fuse. When the light control SW is turned to TAIL or HEAD position, current is applied to TERMINAL 13 of the combination meter through the TAIL&PANEL fuse.

1. KEY REMINDER SYSTEM

When the ignition key is remaining in the key cylinder with the ignition SW at ACC or OFF position, and the driver's door is opened, a buzzer comes on, and reminds the driver that the ignition key is in the key cylinder.

2. LIGHT REMINDER SYSTEM

When the light control SW in TAIL or HEAD position, the ignition SW is turned to OFF from ON position, and the driver's door is opened, the current flow to TERMINAL 11 of the combination meter stops. As a result, the combination meter is activated and current flows from TERMINAL 13 of the combination meter to TERMINAL 16 to GROUND, sounding the buzzer.

SERVICE HINTS

D5 DOOR COURTESY SW (DRIVER'S SIDE)
1-GROUND : Closed with driver's door open

U1 UNLOCK WARNING SW
2-1 : Closed with ignition key in cylinder

C11 COMBINATION METER
12-GROUND : Always approx. **12** volts
11-GROUND : Approx. **12** volts with the ignition SW at **ON** position
13-GROUND : Approx. **12** volts with the light control SW at **TAIL** or **HEAD** position
9-GROUND : Continuity with driver's door open
16-GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C11		92 (LHD)	D5	96 (LHD 3-Door)	J7		103 (RHD)
		102 (RHD)		104 (RHD 5-Door)	S6	A	93 (LHD)
C15	A	92 (LHD)		106 (RHD 3-Door)	S7	B	93 (LHD)
		102 (RHD)	J6	93 (LHD)	U1		93 (LHD)
	B	102 (RHD)		103 (RHD)			103 (RHD)
D5		94 (LHD 5-Door)	J7	93 (LHD)			

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J 2L	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C 3D	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G 3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	112 (LHD) 124 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)

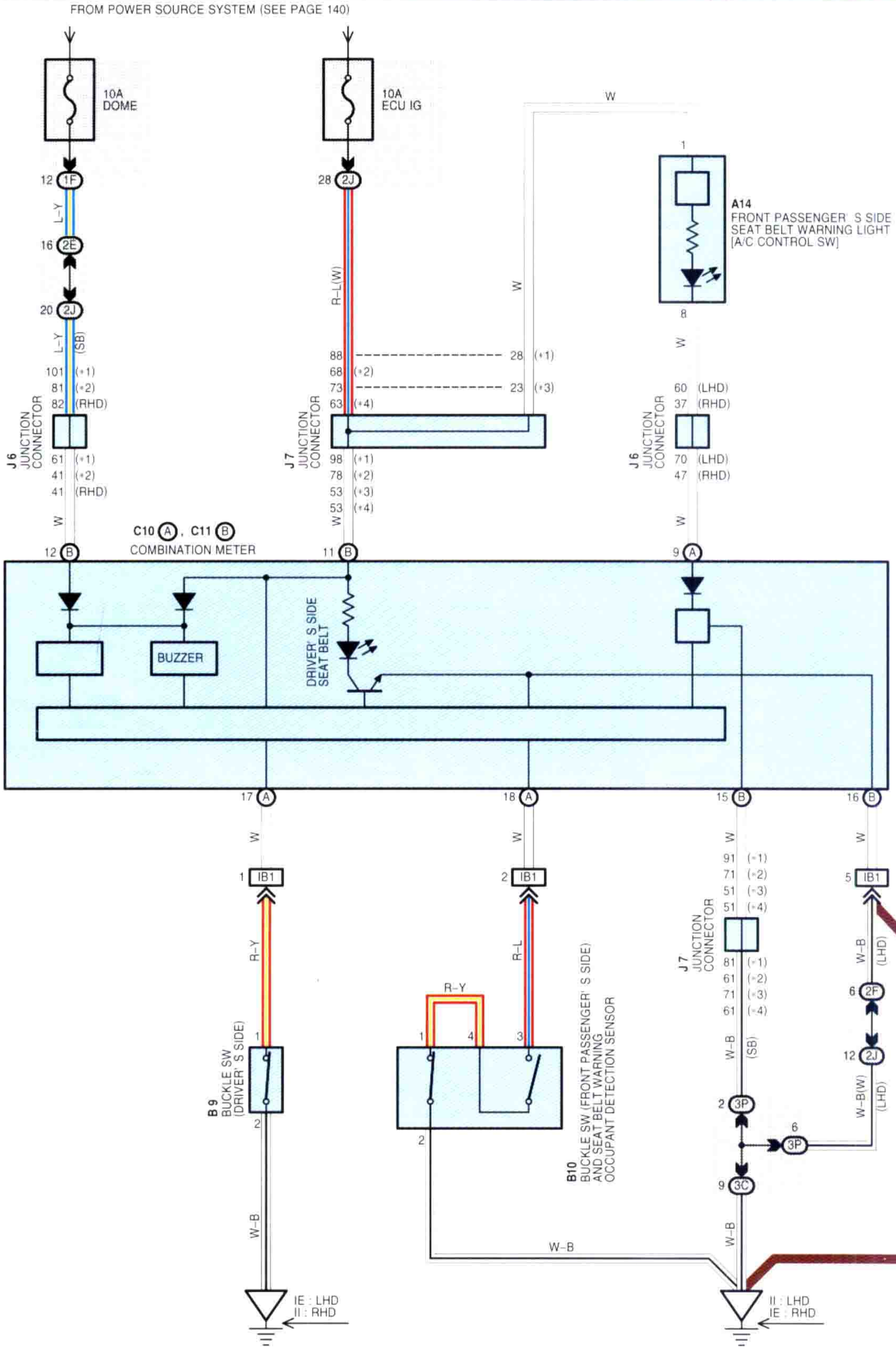
KEY REMINDER AND LIGHT REMINDER BUZZER

▽ : **GROUND POINTS**

Code	See Page	Ground Points Location
IE	124 (RHD)	Left kick Panel
II	112 (LHD)	Right Kick Panel

SEAT BELT WARNING

- 1 : LHD W/ SRS
- 2 : LHD W/O SRS
- 3 : RHD W/ SRS
- 4 : RHD W/O SRS



SYSTEM OUTLINE

SEAT BELT WARNING SYSTEM

When the driver has not fastened the seat belt while the ignition SW is ON, the driver seat belt warning light blinks, and a warning buzzer comes on.
Also, in the front passenger seat, a sensor recognizes a passenger, and when the passenger has not fastened the seat belt, the front passenger seat belt warning light blinks.

SERVICE HINTS

C10 (A), C11 (B) COMBINATION METER

(B)12-GROUND : Always approx. **12** volts
(B)15-GROUND : Always continuity
(A)17-GROUND : Continuity with the driver's seat belt in use

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A14	92 (LHD)	B10	94 (LHD 5-Door)	C11 B	92 (LHD)
	102 (RHD)		96 (LHD 3-Door)		102 (RHD)
B9	94 (LHD 5-Door)		104 (RHD 5-Door)	J6	93 (LHD)
	96 (LHD 3-Door)		106 (RHD 3-Door)		103 (RHD)
	104 (RHD 5-Door)	C10 A	92 (LHD)	J7	93 (LHD)
	106 (RHD 3-Door)		102 (RHD)		103 (RHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

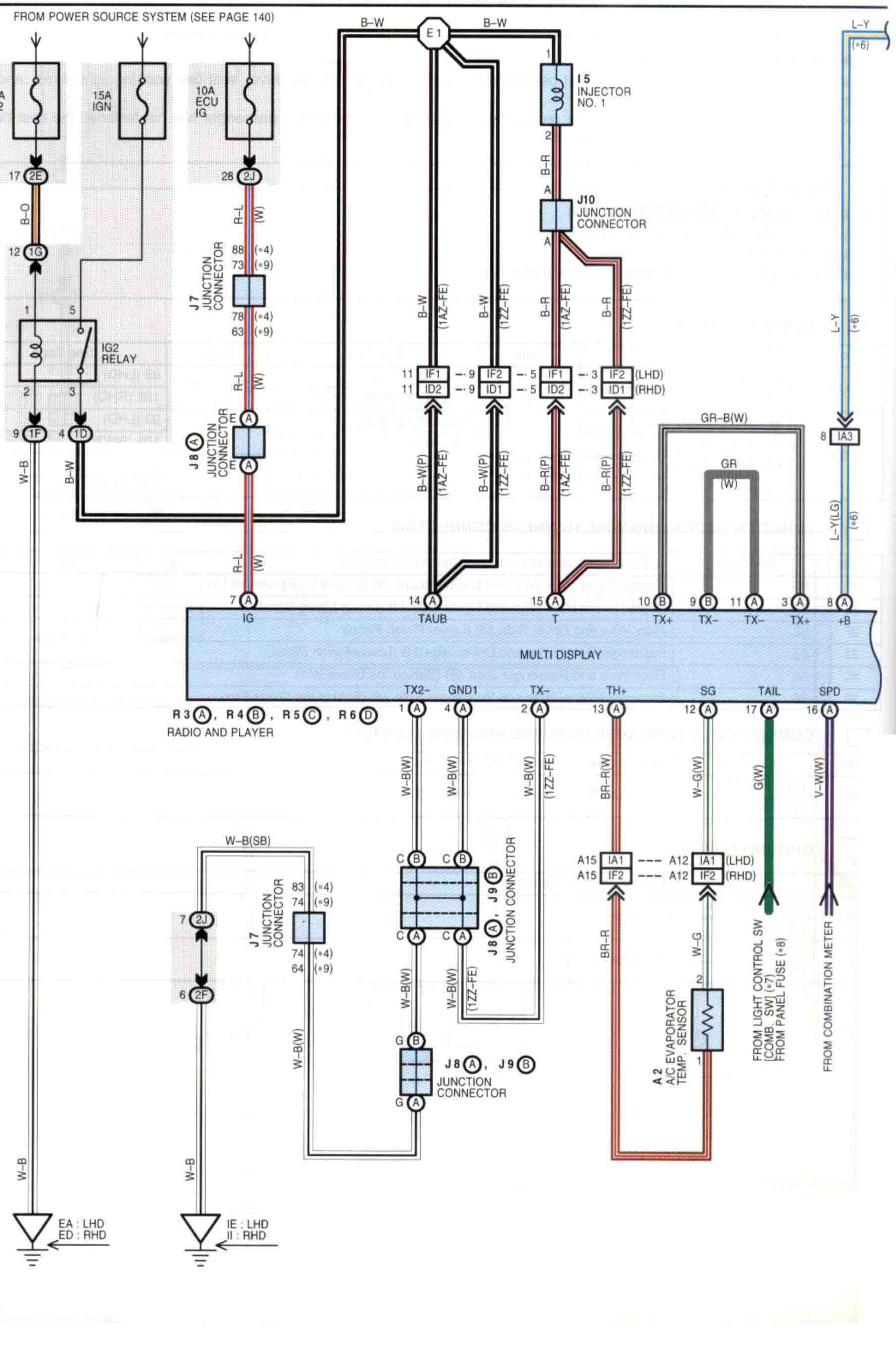
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

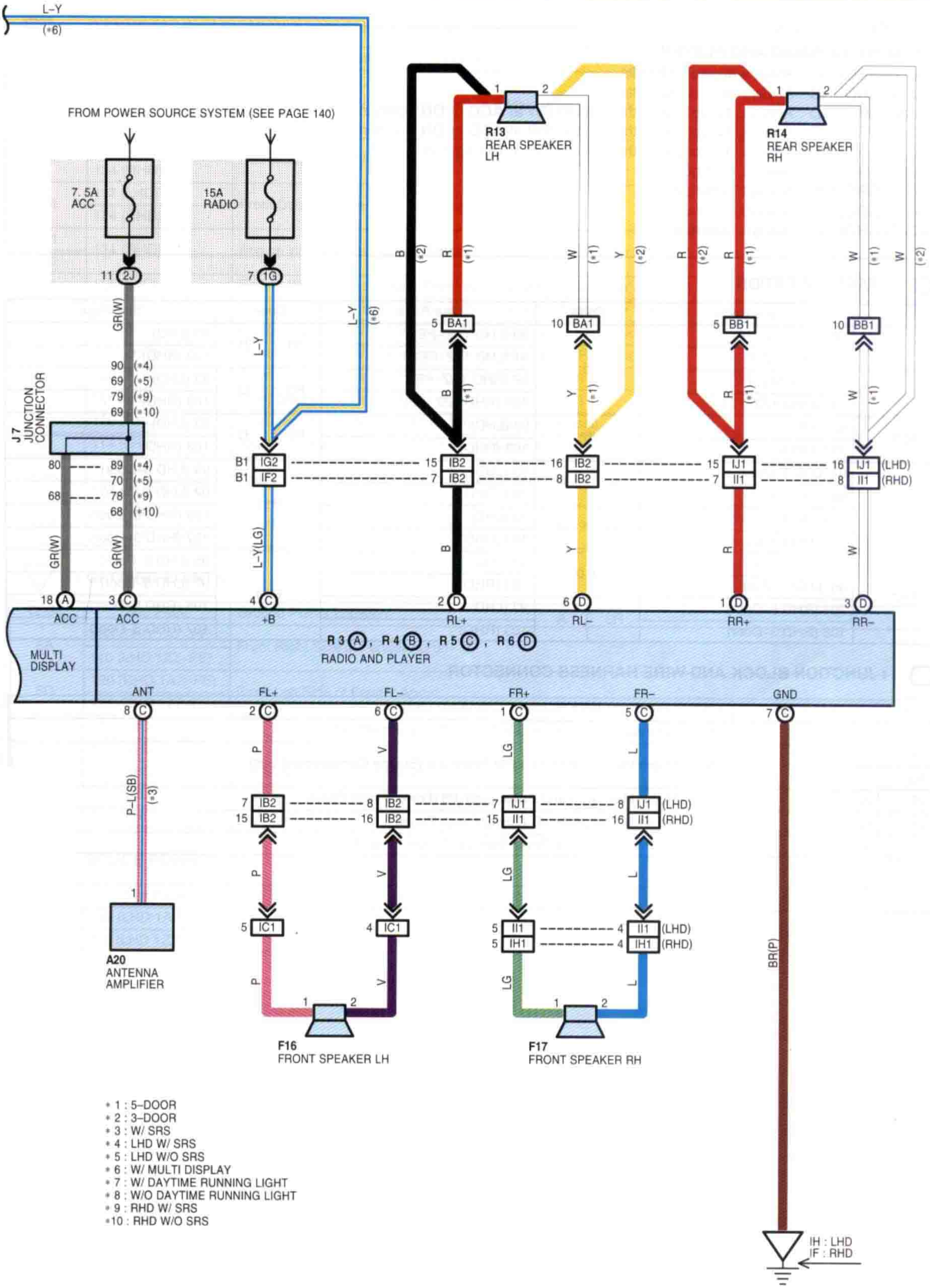
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	

RADIO AND PLAYER





* 1 : 5–DOOR
* 2 : 3–DOOR
* 3 : W/ SRS
* 4 : LHD W/ SRS
* 5 : LHD W/O SRS
* 6 : W/ MULTI DISPLAY
* 7 : W/ DAYTIME RUNNING LIGHT
* 8 : W/O DAYTIME RUNNING LIGHT
* 9 : RHD W/ SRS
*10 : RHD W/O SRS

RADIO AND PLAYER

SERVICE HINTS

R3 (A), R5 (C) RADIO AND PLAYER

(A) 8-GROUND : Always approx. **12** volts
(C) 4-GROUND : Always approx. **12** volts
(A)18-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(C) 3-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 7-GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A) 1-GROUND : Always continuity
(A) 2-GROUND : Always continuity
(A) 4-GROUND : Always continuity
(C) 7-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A2	88 (LHD 1AZ-FE)	I5	89 (LHD 1AZ-FE)	R4 B	93 (LHD)
	90 (LHD 1ZZ-FE)		91 (LHD 1ZZ-FE)		103 (RHD)
	98 (RHD 1AZ-FE)		99 (RHD 1AZ-FE)	R5 C	93 (LHD)
	100 (RHD 1ZZ-FE)		101 (RHD 1ZZ-FE)		103 (RHD)
A20	92 (LHD)	J7	93 (LHD)	R6 D	93 (LHD)
	102 (RHD)		103 (RHD)		103 (RHD)
F16	94 (LHD 5-Door)	J8 A	93 (LHD)	R13	95 (LHD 5-Door)
	96 (LHD 3-Door)		103 (RHD)		97 (LHD 3-Door)
	104 (RHD 5-Door)	J9 B	93 (LHD)		105 (RHD 5-Door)
	106 (RHD 3-Door)		103 (RHD)		107 (RHD 3-Door)
F17	94 (LHD 5-Door)	J10	93 (LHD)	R14	95 (LHD 5-Door)
	96 (LHD 3-Door)		103 (RHD)		97 (LHD 3-Door)
	104 (RHD 5-Door)	R3 A	93 (LHD)		105 (RHD 5-Door)
	106 (RHD 3-Door)		103 (RHD)		107 (RHD 3-Door)

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IA3	112 (LHD)	
	124 (RHD)	
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID1	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2		
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
	126 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ1	114 (LHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
	128 (RHD 5-Door)	
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
	128 (RHD 5-Door)	

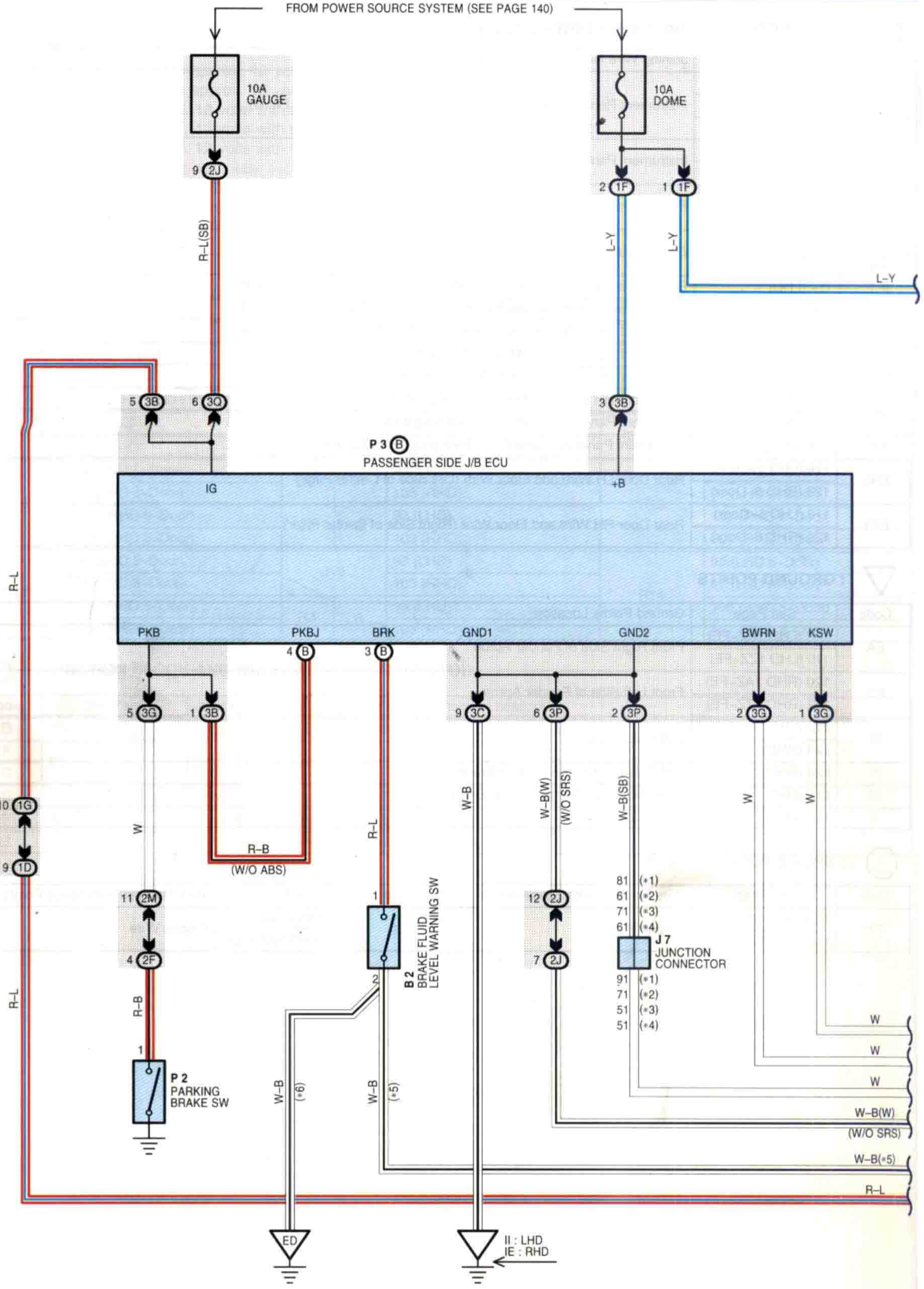
: GROUND POINTS

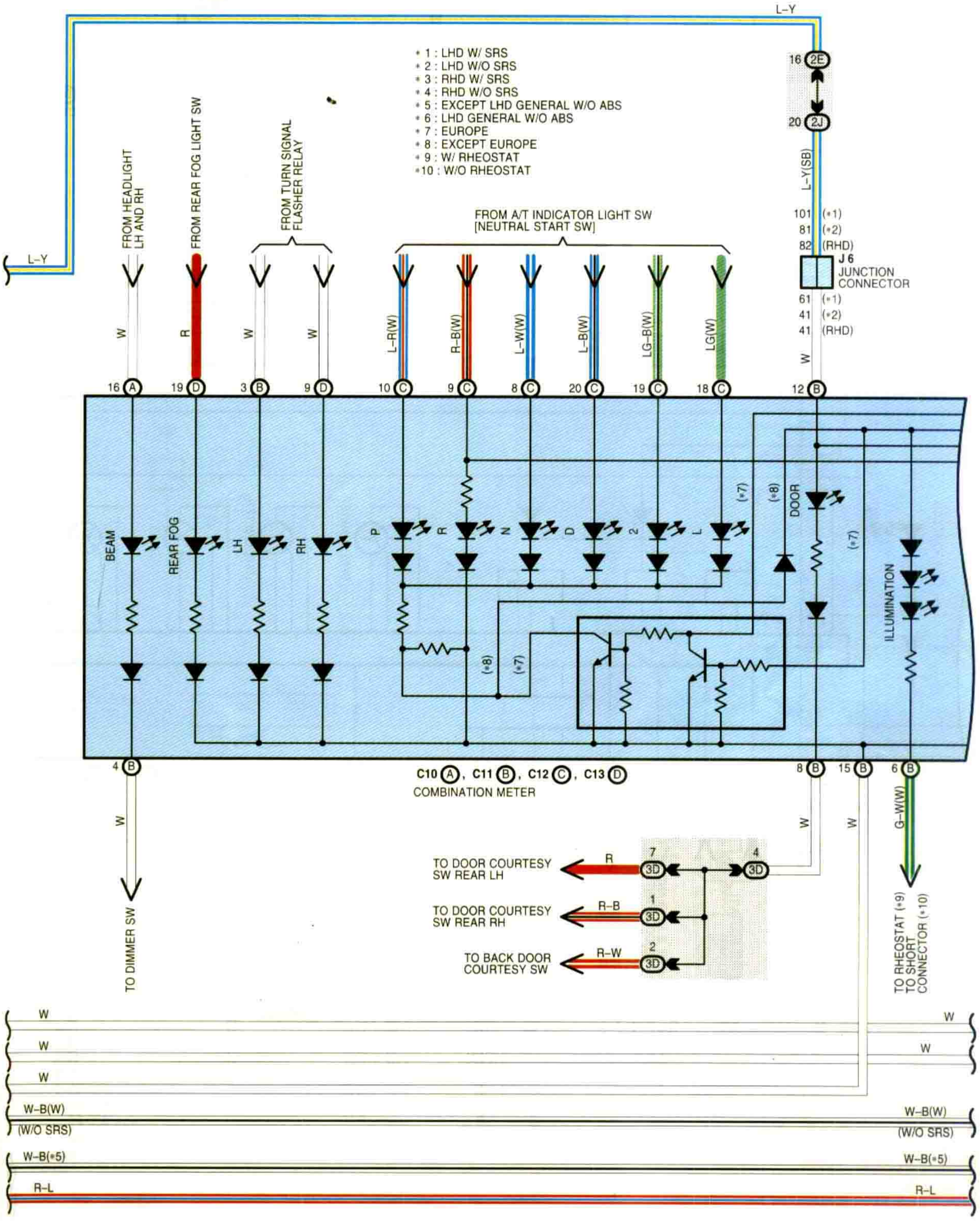
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
ED	120 (RHD 1AZ-FE)	Front Left Side of Fender Apron
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
IF	124 (RHD)	Left Side of Instrument Panel Brace
IH	112 (LHD)	Right Side of Instrument Panel Brace
II	124 (RHD)	Right Kick Panel

: SPLICE POINTS

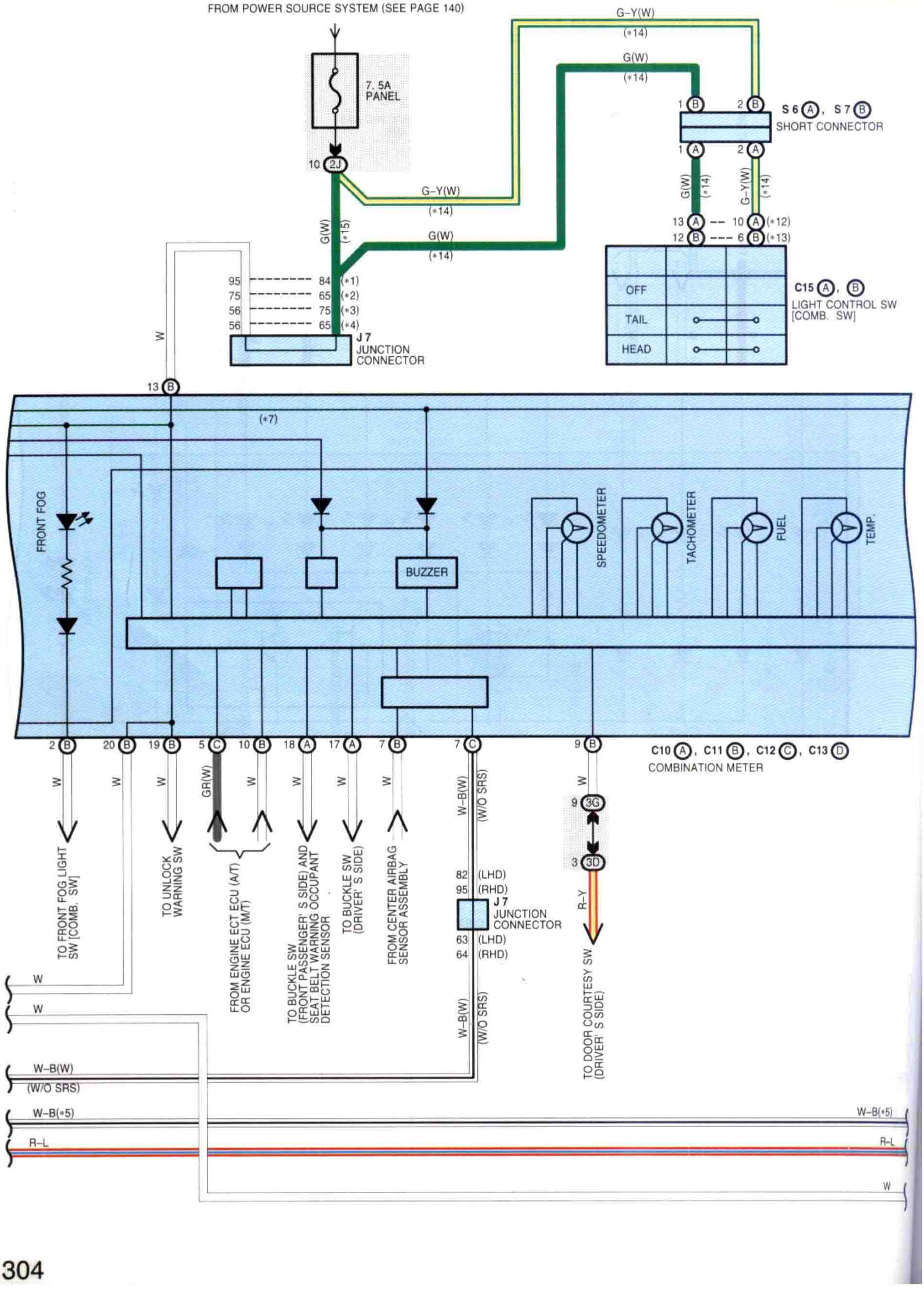
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	108 (LHD 1AZ-FE)	Engine Wire	E1	120 (RHD 1AZ-FE)	Engine Wire
	110 (LHD 1ZZ-FE)			122 (RHD 1ZZ-FE)	

COMBINATION METER




L-Y
* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : RHD W/ SRS
* 4 : RHD W/O SRS
* 5 : EXCEPT LHD GENERAL W/O ABS
* 6 : LHD GENERAL W/O ABS
* 7 : EUROPE
* 8 : EXCEPT EUROPE
* 9 : W/ RHEOSTAT
*10 : W/O RHEOSTAT
16 2E
20 2J
L-Y(SB)
101 (*1)
81 (*2)
82 (RHD)
J 6 JUNCTION CONNECTOR
61 (*1)
41 (*2)
41 (RHD)
W
FROM HEADLIGHT LH AND RH
FROM REAR FOG LIGHT SW
FROM TURN SIGNAL FLASHER RELAY
FROM A/T INDICATOR LIGHT SW [NEUTRAL START SW]
W
R
W
W
L-R(W)
R-B(W)
L-W(W)
L-B(W)
LG-B(W)
LG(W)
16 A
19 D
3 B
9 D
10 C
9 C
8 C
20 C
19 C
18 C
12 B
BEAM
REAR FOG
LH
RH
P
R
N
D
2
L
(*7)
(*8)
DOOR
ILLUMINATION
(*8)
(*7)
4 B
C10 A, C11 B, C12 C, C13 D
COMBINATION METER
8 B
15 B
6 B
W
W
G-W(W)
TO DIMMER SW
TO DOOR COURTESY SW REAR LH
R
7 3D
4 3D
TO DOOR COURTESY SW REAR RH
R-B
1 3D
TO BACK DOOR COURTESY SW
R-W
2 3D
TO RHEOSTAT (*9)
TO SHORT CONNECTOR (*10)
W
W
W
W
W
W-B(W)
(W/O SRS)
W-B(*5)
R-L
W-B(W)
(W/O SRS)
W-B(*5)
R-L

COMBINATION METER



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

- *1 : LHD W/ SRS
- *2 : LHD W/O SRS
- *3 : RHD W/ SRS
- *4 : RHD W/O SRS
- *5 : EXCEPT LHD GENERAL W/O ABS
- *7 : EUROPE
- *11 : W/ MULTI DISPLAY
- *12 : LH TURN LEVER TYPE
- *13 : RH TURN LEVER TYPE
- *14 : W/ DAYTIME RUNNING LIGHT
- *15 : W/O DAYTIME RUNNING LIGHT

10A ECU IG

28 2J

R–L (W)

88 (*1)
68 (*2)
73 (*3)
63 (*4)

J 7 JUNCTION CONNECTOR

98 (*1)
78 (*2)
53 (*3)
53 (*4)

W

11 B

A14 FRONT PASSENGER' S SIDE SEAT BELT WARNING LIGHT [A/C CONTROL SW]

PBEW

8

W

60 (LHD)
37 (RHD)

J 6 JUNCTION CONNECTOR

70 (LHD)
47 (RHD)

W

9 A

C10 A, **C11** B, **C12** C, **C13** D
COMBINATION METER

DRIVER' S SIDE SEAT BELT

FUEL

1 B

W

6 2M

26 2J

V–W(W)

5
66
77
67

15
67

25 (*1)
86 (*2)
107 (*3)
97 (*4)

J 6 (*1)
J 7 (*2, RHD)
JUNCTION CONNECTOR

R 3 RADIO AND PLAYER

SPD

16

V–W(W) (*11)

TO ENGINE AND ECT ECU (A/T) OR ENGINE ECU (M/T)

V–W(W)

4 A

W

D6 IA1 ---- D5 IA1 (LHD)
D4 IF2 ---- D5 IF2 (RHD)

L–B

3 EA1

L–B

3

6 A

W

R–Y

9 EA1

R–Y

2

15 A

W

3 IB1

Y–B

F19 FUEL SENDER (SUB)

2 Y–R

2

5 A

W

4 IB1

BR–W

3

SI SE

IG+

1

V 2 VEHICLE SPEED SENSOR (COMBINATION METER)

FS PE

F18 FUEL SENDER

W–B(*5)

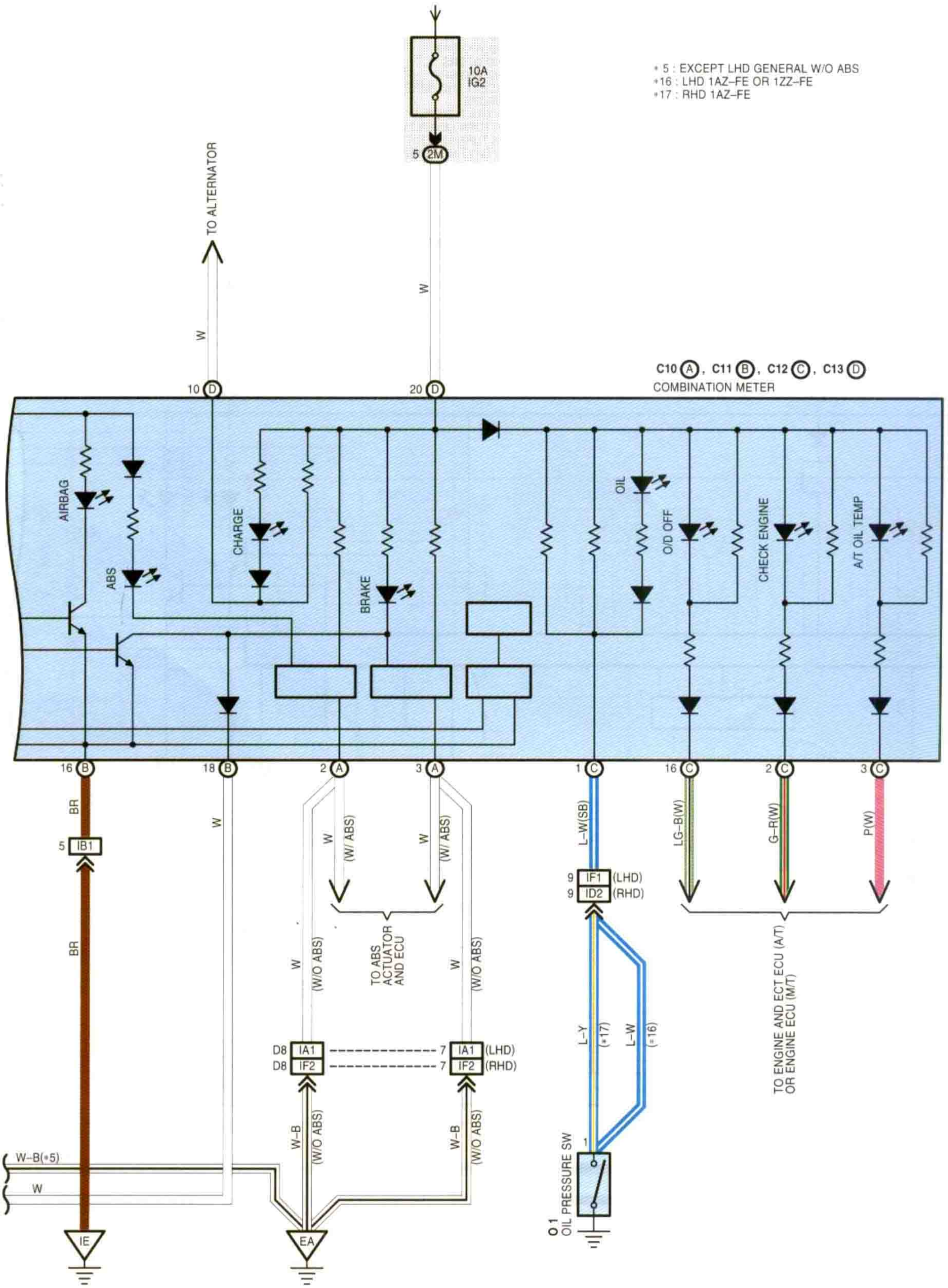
R–L

W

W–B(*5)

W

COMBINATION METER



SERVICE HINTS

B2 BRAKE FLUID LEVEL WARNING SW

1–2 : Closed with the float down

P4 PARKING BRAKE SW

1–GROUND : Closed with the parking brake lever released

C11 (B), C12 (C), C13 (D) COMBINATION METER

(B)12–GROUND : Always approx. **12** volts
(B)11, (D) 20–GROUND: Approx. **12** volts with the ignition SW at **ON** position
(B)15–GROUND : Always continuity
(B)16–GROUND : Always continuity
(C) 7–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page
A14		92 (LHD)
		102 (RHD)
B2		88 (LHD 1AZ–FE)
		90 (LHD 1ZZ–FE)
		98 (RHD 1AZ–FE)
		100 (RHD 1ZZ–FE)
C10	A	92 (LHD)
		102 (RHD)
C11	B	92 (LHD)
		102 (RHD)
C12	C	92 (LHD)
		102 (RHD)
C13	D	92 (LHD)
		102 (RHD)
C15	A	92 (LHD)

Code		See Page
C15	B	92 (LHD)
F18		94 (LHD 5–Door)
		96 (LHD 3–Door)
		104 (RHD 5–Door)
		106 (RHD 3–Door)
F19		94 (LHD 5–Door)
		96 (LHD 3–Door)
		104 (RHD 5–Door)
		106 (RHD 3–Door)
J6		93 (LHD)
		103 (RHD)
J7		93 (LHD)
		103 (RHD)
O1		89 (LHD 1AZ–FE)
		91 (LHD 1ZZ–FE)

Code		See Page
O1		99 (RHD 1AZ–FE)
		101 (RHD 1ZZ–FE)
P2		93 (LHD)
		103 (RHD)
P3	B	93 (LHD)
		103 (RHD)
R3		93 (LHD)
		103 (RHD)
S6	A	93 (LHD)
S7	B	93 (LHD)
V2		89 (LHD 1AZ–FE)
		91 (LHD 1ZZ–FE)
		99 (RHD 1AZ–FE)
		101 (RHD 1ZZ–FE)

▢ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		

COMBINATION METER

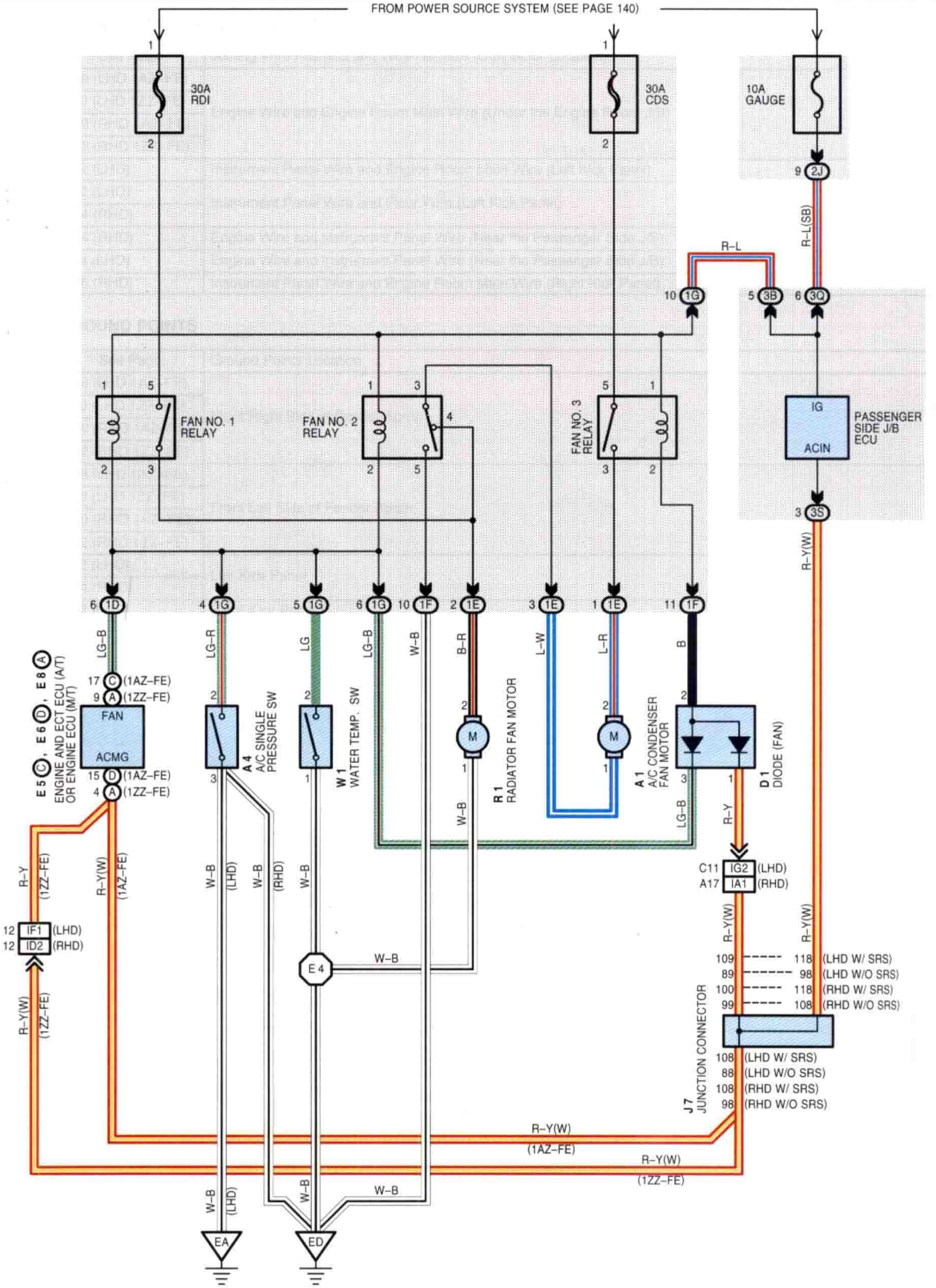
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel

RADIATOR FAN AND CONDENSER FAN



SYSTEM OUTLINE

The radiator fan motor and A/C condenser fan motor operates according to the engine coolant temp. SW, A/C single pressure SW, the engine system condition, and the A/C system condition. The FAN NO.1 relay, FAN NO.2 relay, FAN NO.3 relay are turned on/off, to operate the fan motors at low speed (In series), or high speed (In parallel).

1. LOW SPEED OPERATION

Either when the A/C system is operating, the radiator fan motor and A/C condenser fan motor operates at low speed.

2. HIGH SPEED OPERATION

When either the engine coolant temp. SW or A/C single pressure SW is, or both of them are turned on, the radiator fan motor and A/C condenser fan motor operate at high speed.

SERVICE HINTS

A4 A/C SINGLE PRESSURE SW

3–2 : Open above approx. **15.5** kgf/cm^2 (**224** psi, **1520** kpa)
Close below approx. **12.5** kgf/cm^2 (**181** psi, **1225** kpa)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	88 (LHD 1AZ–FE)	D1	102 (RHD)	R1	89 (LHD 1AZ–FE)
	90 (LHD 1ZZ–FE)	E5 C	92 (LHD)		91 (LHD 1ZZ–FE)
	98 (RHD 1AZ–FE)		102 (RHD)		99 (RHD 1AZ–FE)
	100 (RHD 1ZZ–FE)	E6 D	92 (LHD)		101 (RHD 1ZZ–FE)
A4	88 (LHD 1AZ–FE)		102 (RHD)	W1	89 (LHD 1AZ–FE)
	90 (LHD 1ZZ–FE)	E8 A	92 (LHD)		91 (LHD 1ZZ–FE)
	98 (RHD 1AZ–FE)		102 (RHD)		99 (RHD 1AZ–FE)
	100 (RHD 1ZZ–FE)	J7	93 (LHD)		101 (RHD 1ZZ–FE)
D1	92 (LHD)		103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3Q	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3S		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	124 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

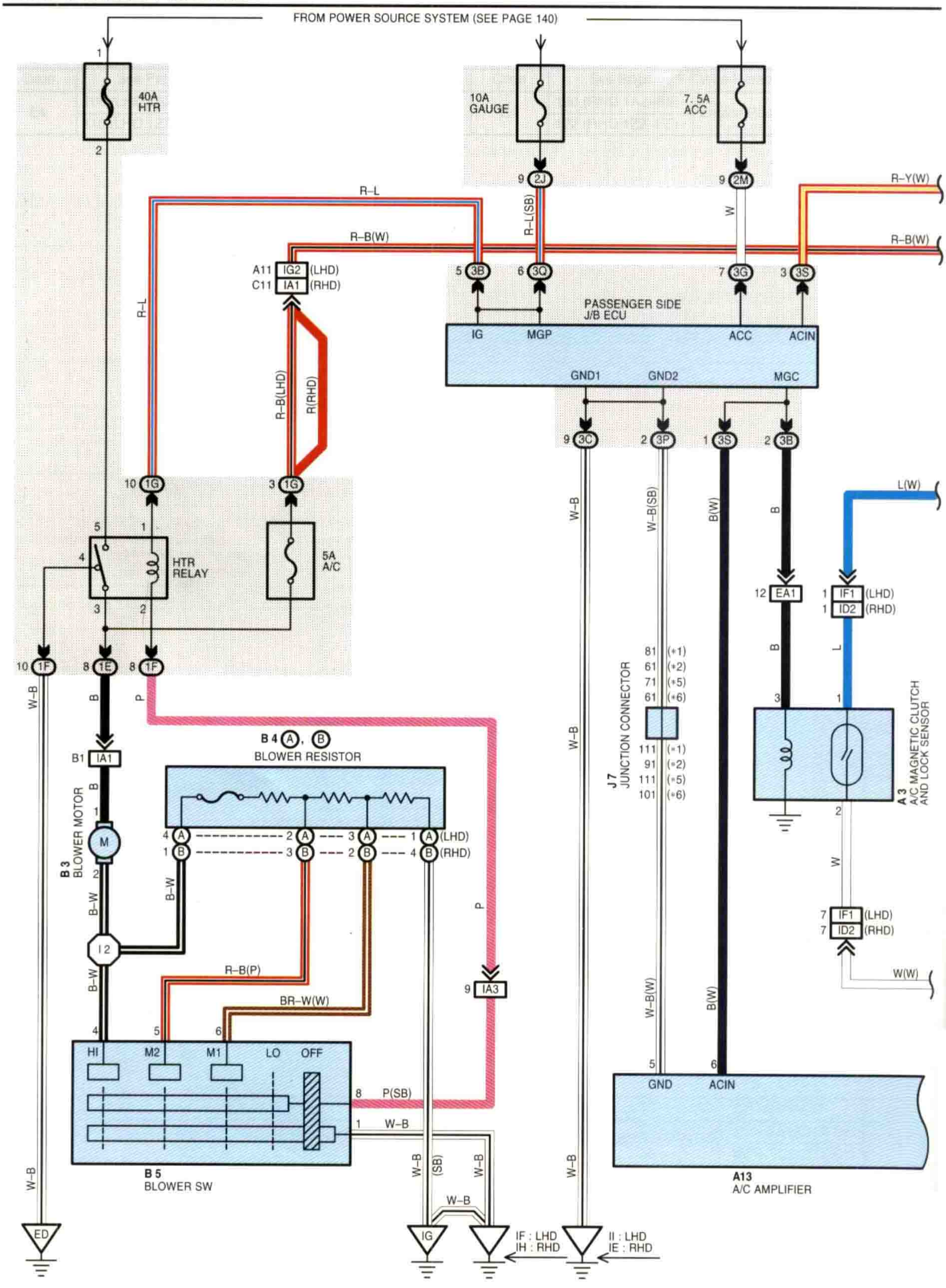
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ–FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ–FE)	
ED	108 (LHD 1AZ–FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ–FE)	
	120 (RHD 1AZ–FE)	
	122 (RHD 1ZZ–FE)	

RADIATOR FAN AND CONDENSER FAN

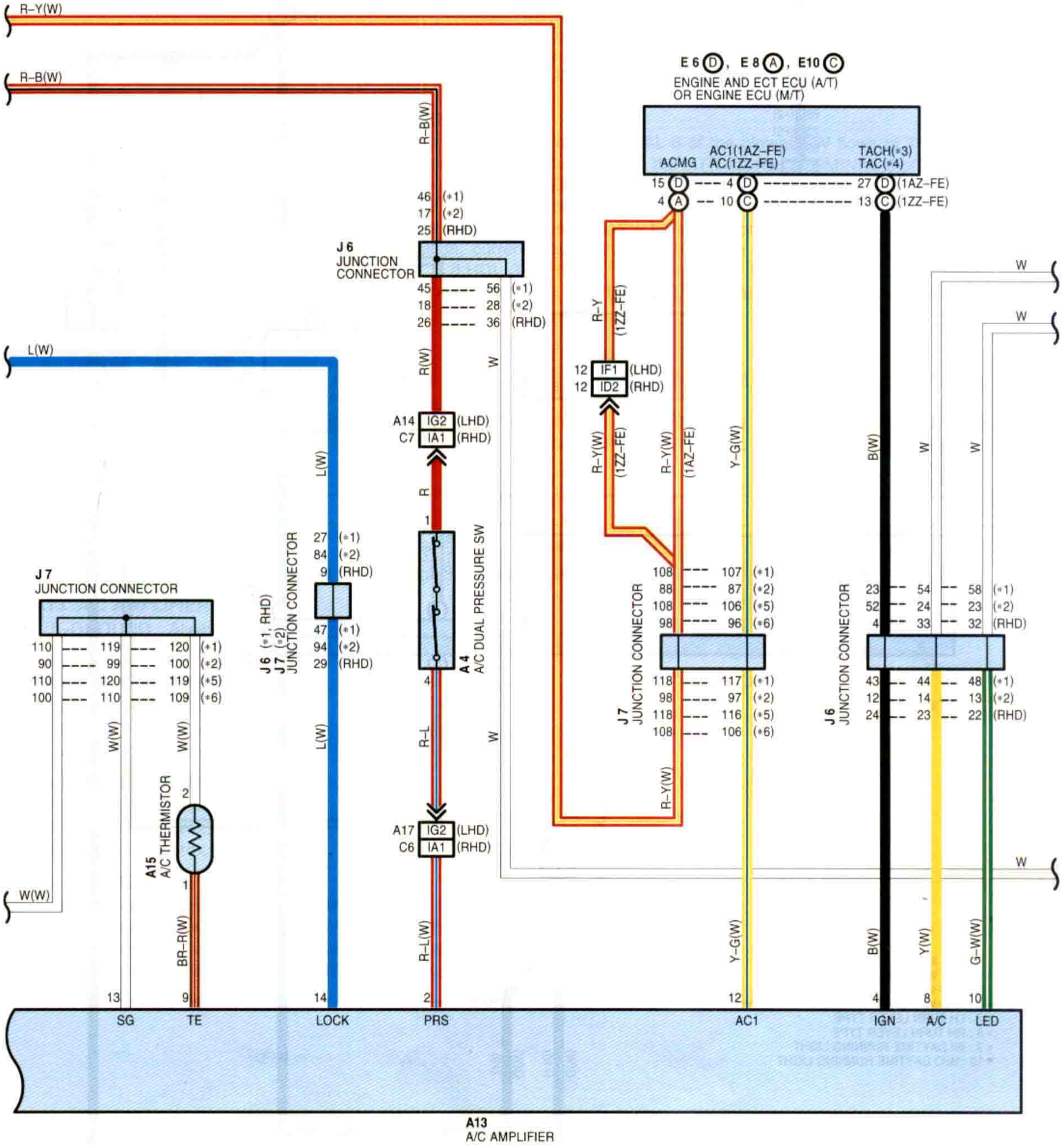
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	E4	120 (RHD 1AZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)			122 (RHD 1ZZ-FE)	

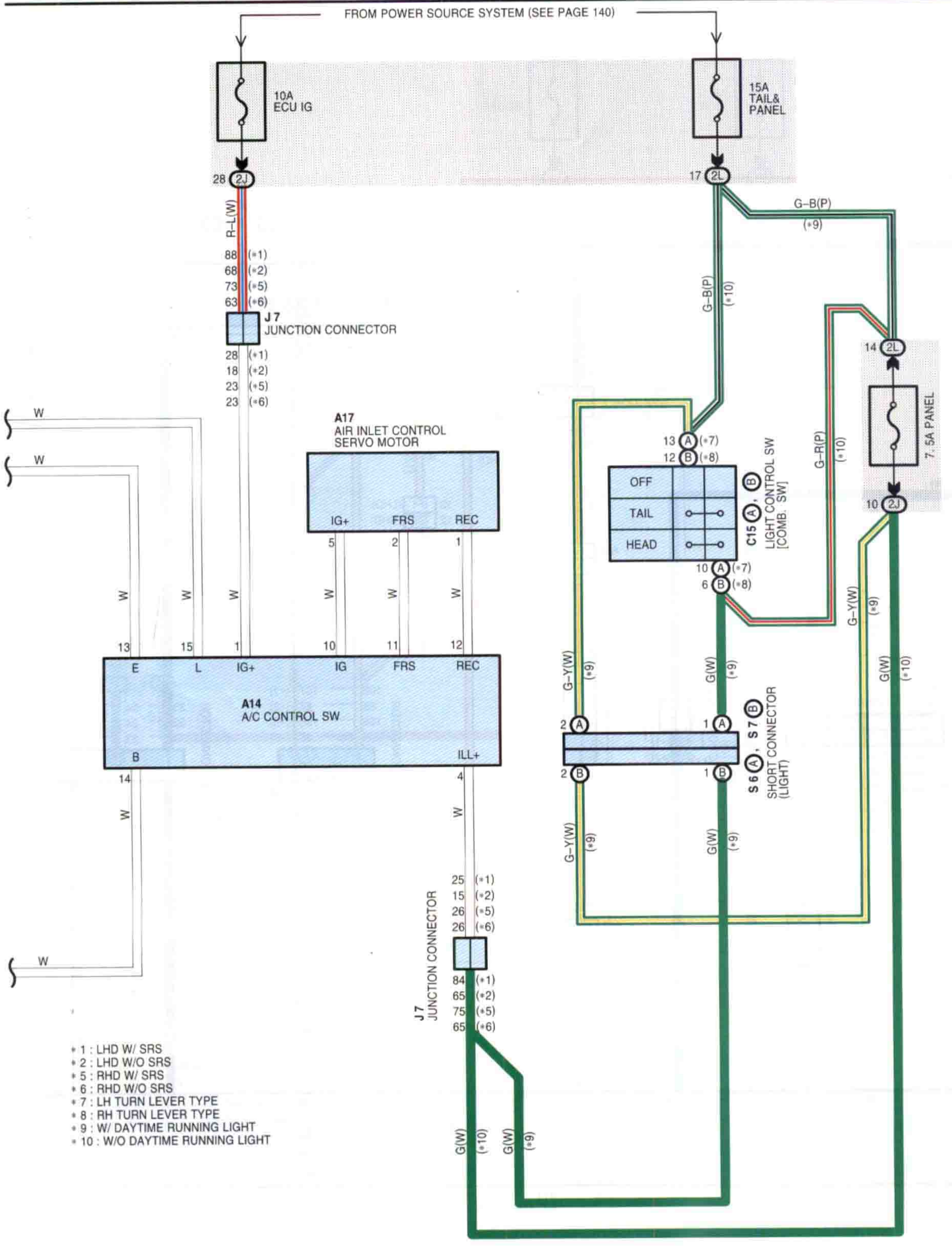
AIR CONDITIONER



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : UNLEADED GASOLINE
* 4 : LEADED GASOLINE
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS



AIR CONDITIONER



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS
* 7 : LH TURN LEVER TYPE
* 8 : RH TURN LEVER TYPE
* 9 : W/ DAYTIME RUNNING LIGHT
* 10 : W/O DAYTIME RUNNING LIGHT

SYSTEM OUTLINE

HEATER BLOWER MOTOR OPERATION

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

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

* Medium speed operation (Operation at M1, M2)
  When the blower SW is moved to M1 position, the current to TERMINAL 8 of the blower SW flows to TERMINAL 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 4 (LHD), 1 (RHD) of the blower resistor to TERMINAL 3 (LHD), 2 (RHD) to TERMINAL 6 of the blower SW to TERMINAL 1 to GROUND. At this time, the blower resistance of the blower resistor is less than at low speed, so the blower motor rotates at medium low speed.
  When the blower SW is moved to M2 position, current flowing through the motor flows from TERMINAL 4 (LHD), 1 (RHD) of the blower resistor to TERMINAL 2 (LHD), 3 (RHD) to TERMINAL 5 of the blower SW to TERMINAL 1 to GROUND. At this time, resistance of the blower resistor is less than at M1 position, so the blower motor rotates at medium high speed.

* High speed operation
  When the blower SW is moved to HI position, the current flows to TERMINAL 8 of the blower SW to TERMINAL 1 to GROUND and turns the HTR relay on.
  This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 4 of the blower SW to TERMINAL 1 to GROUND, causing the blower motor to rotate at high speed.

SERVICE HINTS

A4 A/C DUAL PRESSURE SW

1–4 : Open with the pressure less than **2.0** kgf/cm^2 (**28** psi, **196** kpa) or above **32** kgf/cm^2 (**455** psi, **3138** kpa)

A13 A/C AMPLIFIER

5–GROUND : Always continuity
2–GROUND : Approx. **12** volts with the ignition SW on, the blower SW on and the A/C dual pressure SW close

B4 (A) BLOWER RESISTOR (LHD)

(A) 4–(A) 2 : Approx. **0.4** Ω
(A) 4–(A) 3 : Approx. **1.1** Ω
(A) 4–(A) 1 : Approx. **2.9** Ω

B4 (B) BLOWER RESISTOR (RHD)

(B) 1–(B) 3 : Approx. **0.4** Ω
(B) 1–(B) 2 : Approx. **1.1** Ω
(B) 1–(B) 4 : Approx. **2.9** Ω

B5 BLOWER SW

8–1 : Continuity with the blower SW at **LO**, **M1**, **M2** or **HI** position
6–1 : Continuity with the blower SW at **M1** position
5–1 : Continuity with the blower SW at **M2** position
4–1 : Continuity with the blower SW at **HI** position

AIR CONDITIONER

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code		See Page
A3	88 (LHD 1AZ-FE)	A15		102 (RHD)	E6	D	102 (RHD)
	90 (LHD 1ZZ-FE)	A17		92 (LHD)	E8	A	92 (LHD)
	98 (RHD 1AZ-FE)			102 (RHD)			102 (RHD)
	100 (RHD 1ZZ-FE)	B3		92 (LHD)	E10	C	92 (LHD)
A4	88 (LHD 1AZ-FE)			102 (RHD)			102 (RHD)
	90 (LHD 1ZZ-FE)	B4	A	92 (LHD)	J6		93 (LHD)
	98 (RHD 1AZ-FE)		B	102 (RHD)			103 (RHD)
	100 (RHD 1ZZ-FE)	B5		92 (LHD)	J7		93 (LHD)
A13	92 (LHD)			102 (RHD)			103 (RHD)
	102 (RHD)	C15	A	92 (LHD)	S6	A	93 (LHD)
A14	92 (LHD)			102 (RHD)	S7	B	93 (LHD)
	102 (RHD)		B	102 (RHD)			
A15	92 (LHD)	E6	D	92 (LHD)			

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3S		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IA3	112 (LHD)	
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	124 (RHD)	Left Kick Panel
IF	112 (LHD)	Left Side of Instrument Panel Brace
IG	112 (LHD)	Right Side of Instrument Panel Brace
	124 (RHD)	Left Side of Instrument Panel Brace
IH	124 (RHD)	Right Side of Instrument Panel Brace
II	112 (LHD)	Right Kick Panel

○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	114 (LHD)	Instrument Panel Wire	I2	126 (RHD)	Instrument Panel Wire