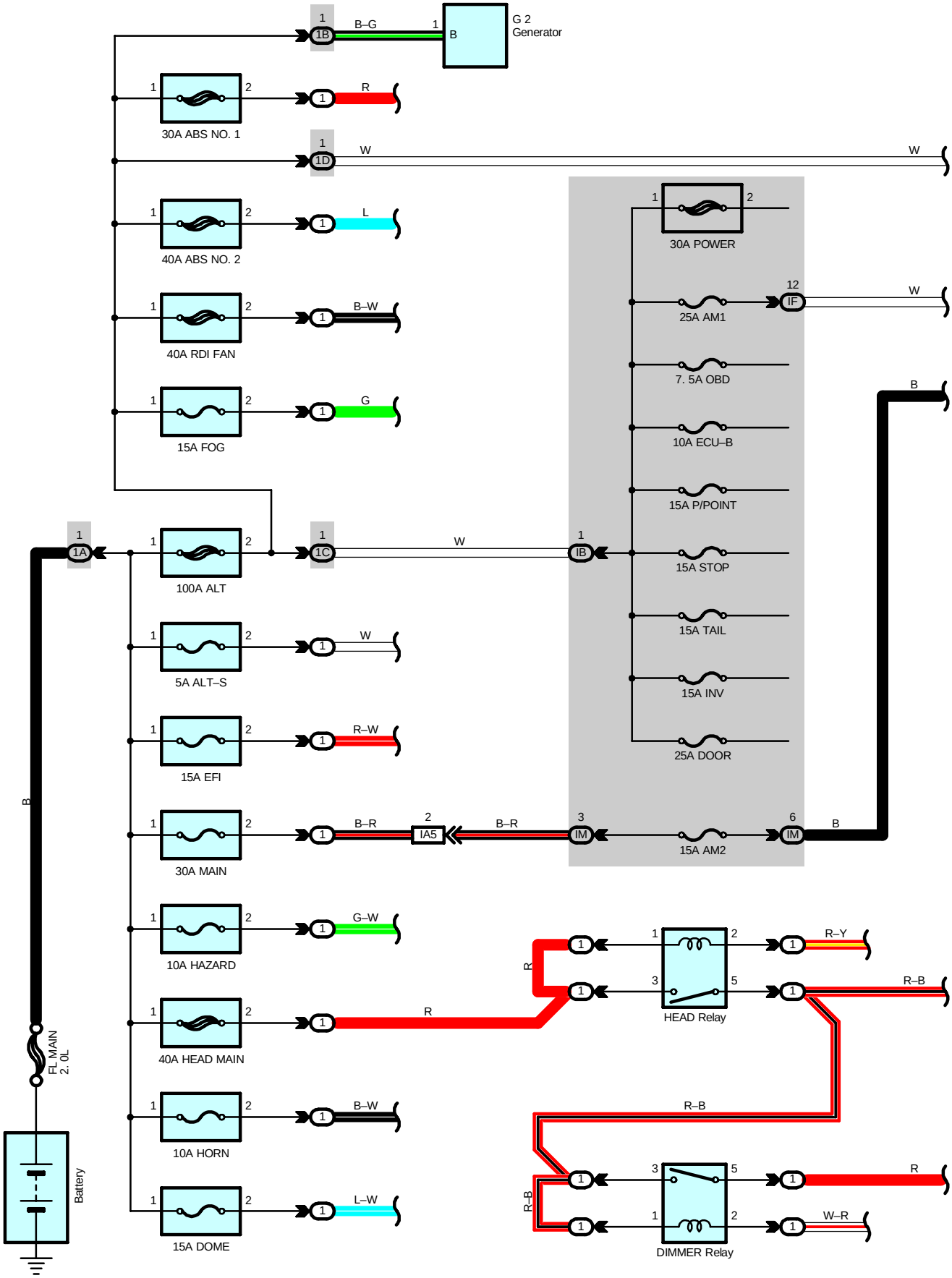
Power Source



Service Hints

I11 Ignition SW

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

: Parts Location

Code	See Page	Code	See Page	Code		See Page
E3	38	I4	35 (2ZZ–GE)	J5	B	39
I2	35 (2ZZ–GE)		37 (1ZZ–FE)	J6	A	39
	37 (1ZZ–FE)	I5	35 (2ZZ–GE)	N1		35 (2ZZ–GE)
I3	35 (2ZZ–GE)		37 (1ZZ–FE)			37 (1ZZ–FE)
	37 (1ZZ–FE)	I11	39			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	25	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
IL	24	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IM		
1A	23	Engine Wire and Engine Room J/B (Engine Compartment Left)

: Connector Joining Wire Harness and Wire Harness

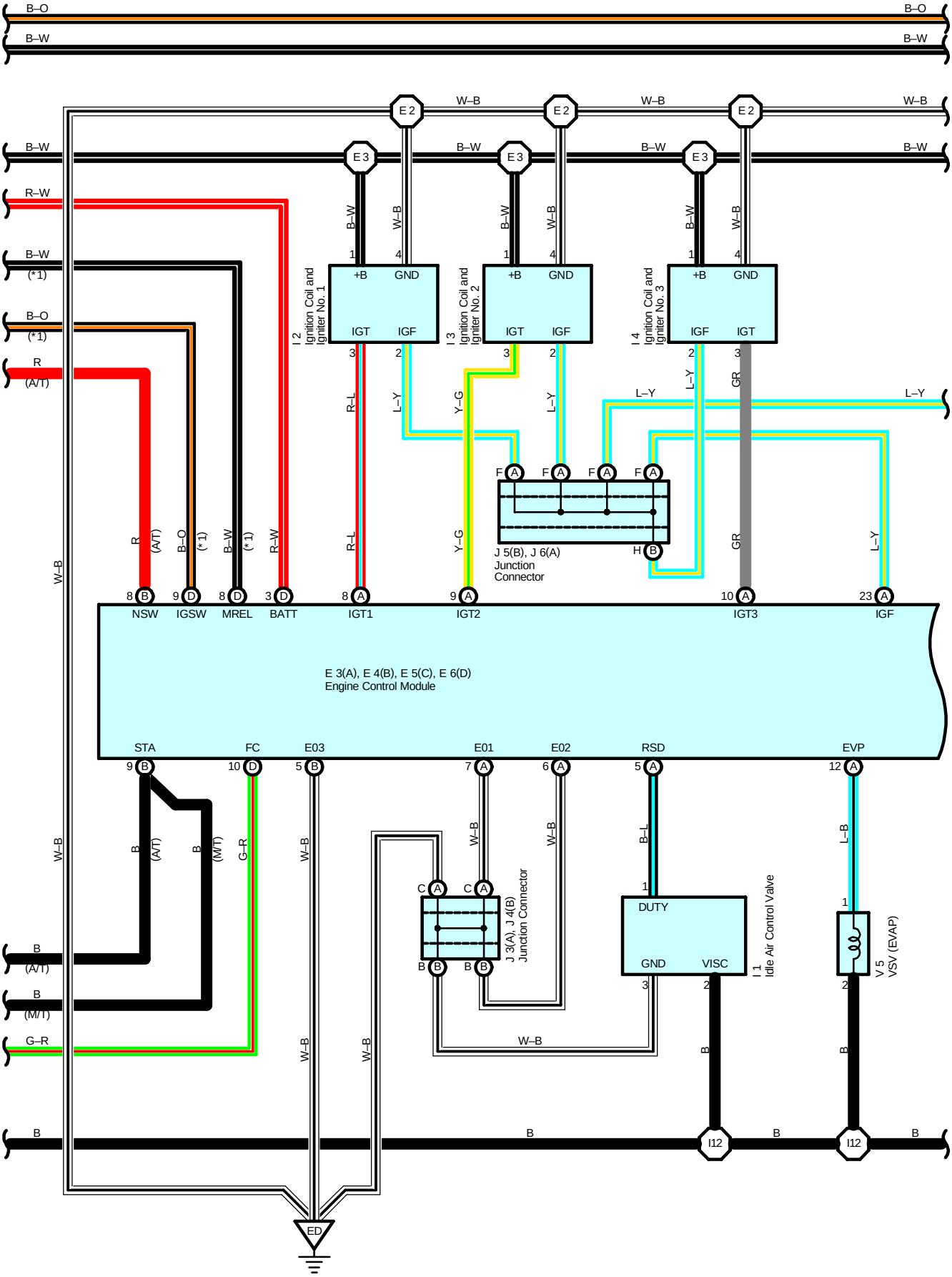
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	42 (2ZZ–GE)	Engine Wire and Engine Room Main Wire (Inside of the Engine Room R/B)
	44 (1ZZ–FE)	
IA5	46	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

: Ground Points

Code	See Page	Ground Points Location
ED	42 (2ZZ–GE)	Left Side of the Cylinder Head
	44 (1ZZ–FE)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	42 (2ZZ–GE)	Engine Wire	E3	42 (2ZZ–GE)	Engine Wire
	44 (1ZZ–FE)			44 (1ZZ–FE)	


B–O
B–W
E 2
E 3
W–B
R–W
(*1)
(A/T)
I 2
Ignition Coil and Igniter No. 1
I 3
Ignition Coil and Igniter No. 2
I 4
Ignition Coil and Igniter No. 3
+B
GND
IGT
IGF
R–L
L–Y
Y–G
GR
J 5(B), J 6(A) Junction Connector
NSW
IGSW
MREL
BATT
IGT1
IGT2
IGT3
IGF
E 3(A), E 4(B), E 5(C), E 6(D) Engine Control Module
STA
FC
E03
E01
E02
RSD
EVP
G–R
B–L
L–B
J 3(A), J 4(B) Junction Connector
DUTY
GND
VISC
I 1
Idle Air Control Valve
V 5
VSV (EVAP)
ED
I12

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A13	38	I1	37 (1ZZ–FE)	K1	35 (2ZZ–GE)
C1	34 (2ZZ–GE)	I2	35 (2ZZ–GE)		37 (1ZZ–FE)
	36 (1ZZ–FE)		37 (1ZZ–FE)	M1	35 (2ZZ–GE)
C2	34 (2ZZ–GE)	I3	35 (2ZZ–GE)		37 (1ZZ–FE)
	36 (1ZZ–FE)		37 (1ZZ–FE)	O3	35 (2ZZ–GE)
C3	34 (2ZZ–GE)	I4	35 (2ZZ–GE)	P1	35 (2ZZ–GE)
C4	34 (2ZZ–GE)		37 (1ZZ–FE)		37 (1ZZ–FE)
	36 (1ZZ–FE)	I5	35 (2ZZ–GE)	P2	35 (2ZZ–GE)
C10	38		37 (1ZZ–FE)		37 (1ZZ–FE)
C11	38	I6	35 (2ZZ–GE)	S1	35 (2ZZ–GE)
C12	38		37 (1ZZ–FE)		37 (1ZZ–FE)
C16	38	I7	35 (2ZZ–GE)	S7	39
D1	38		37 (1ZZ–FE)	T1	35 (2ZZ–GE)
E2	34 (2ZZ–GE)	I8	35 (2ZZ–GE)		37 (1ZZ–FE)
	36 (1ZZ–FE)		37 (1ZZ–FE)	V1	37 (1ZZ–FE)
E3 A	38	I9	35 (2ZZ–GE)	V3	35 (2ZZ–GE)
E4 B	38		37 (1ZZ–FE)	V4	35 (2ZZ–GE)
E5 C	38	I11	39		37 (1ZZ–FE)
E6 D	38	J2	39	V5	35 (2ZZ–GE)
F10	40	J3 A	39		37 (1ZZ–FE)
H5	36 (1ZZ–FE)	J4 B	39	V7	41
	39 (2ZZ–GE)	J5 B	39	V8	41
H8	39	J6 A	39		
I1	35 (2ZZ–GE)	J7	39		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)
3	28	RH R/B (Right Side of the Instrument Panel Reinforcement)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IC	25	Engine Room Main Wire and Instrument Panel J/B (Lower Finish Panel)
ID	25	Floor Wire and Instrument Panel J/B (Lower Finish Panel)
IG	25	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IH		
II		
IJ		
IK	24	
IL		
IM		
1A	23	Engine Wire and Engine Room J/B (Engine Compartment Left)
3B	29	Instrument Panel Wire and RH J/B (Right Side of the Instrument Panel Reinforcement)
3C		
4B	32	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
4C		

Service Hints

FOG Relay

3–5 : Closed with light control SW at Head position, dimmer SW at Low position and fog light SW at On position

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	38	F1	36 (1ZZ–FE)	J2	39
D2	38	F2	34 (2ZZ–GE)		
F1	34 (2ZZ–GE)		36 (1ZZ–FE)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IG	25	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IH		
3B	29	Instrument Panel Wire and RH J/B (Right Side of the Instrument Panel Reinforcement)
3C		

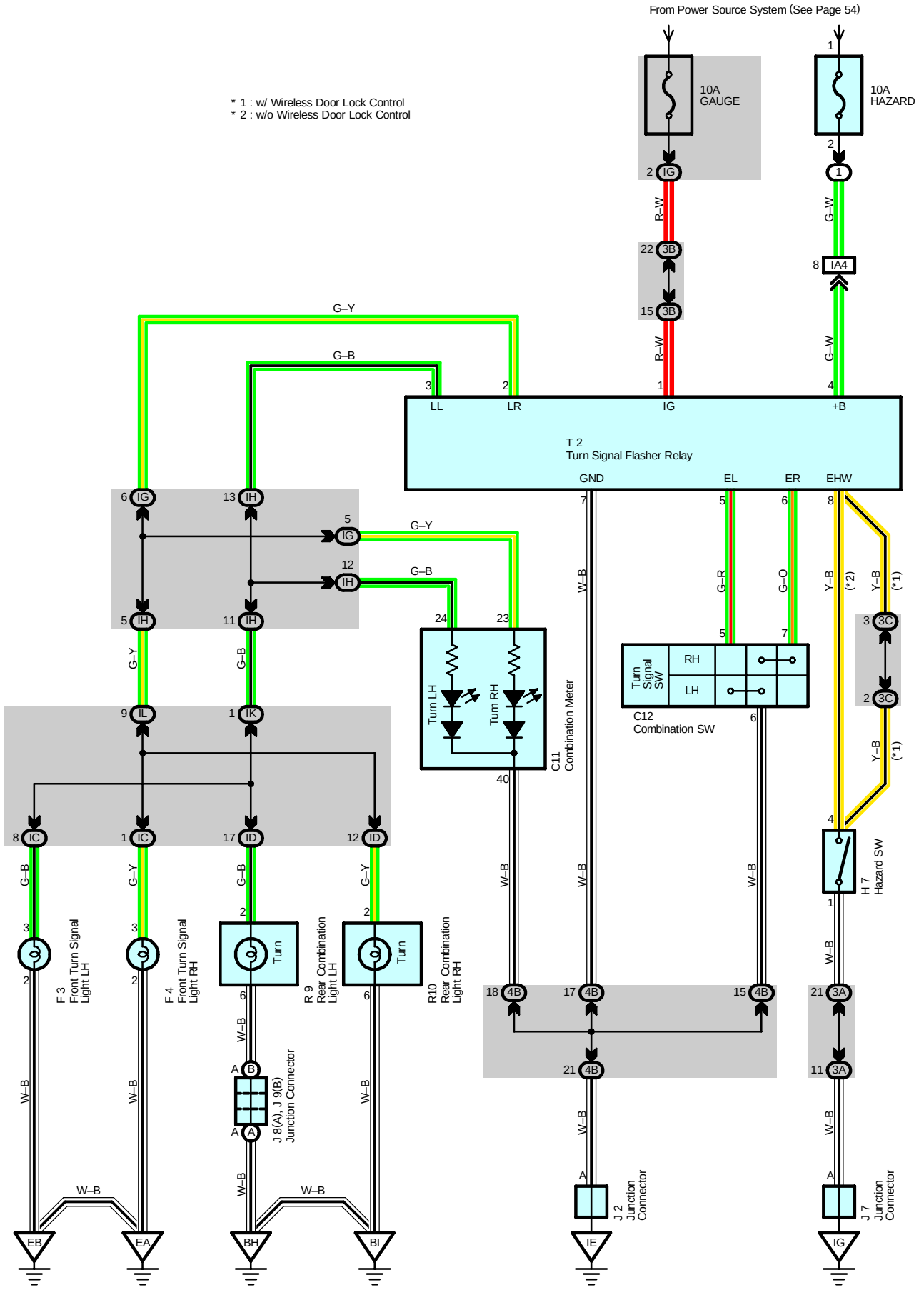
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA4	46	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IA5		

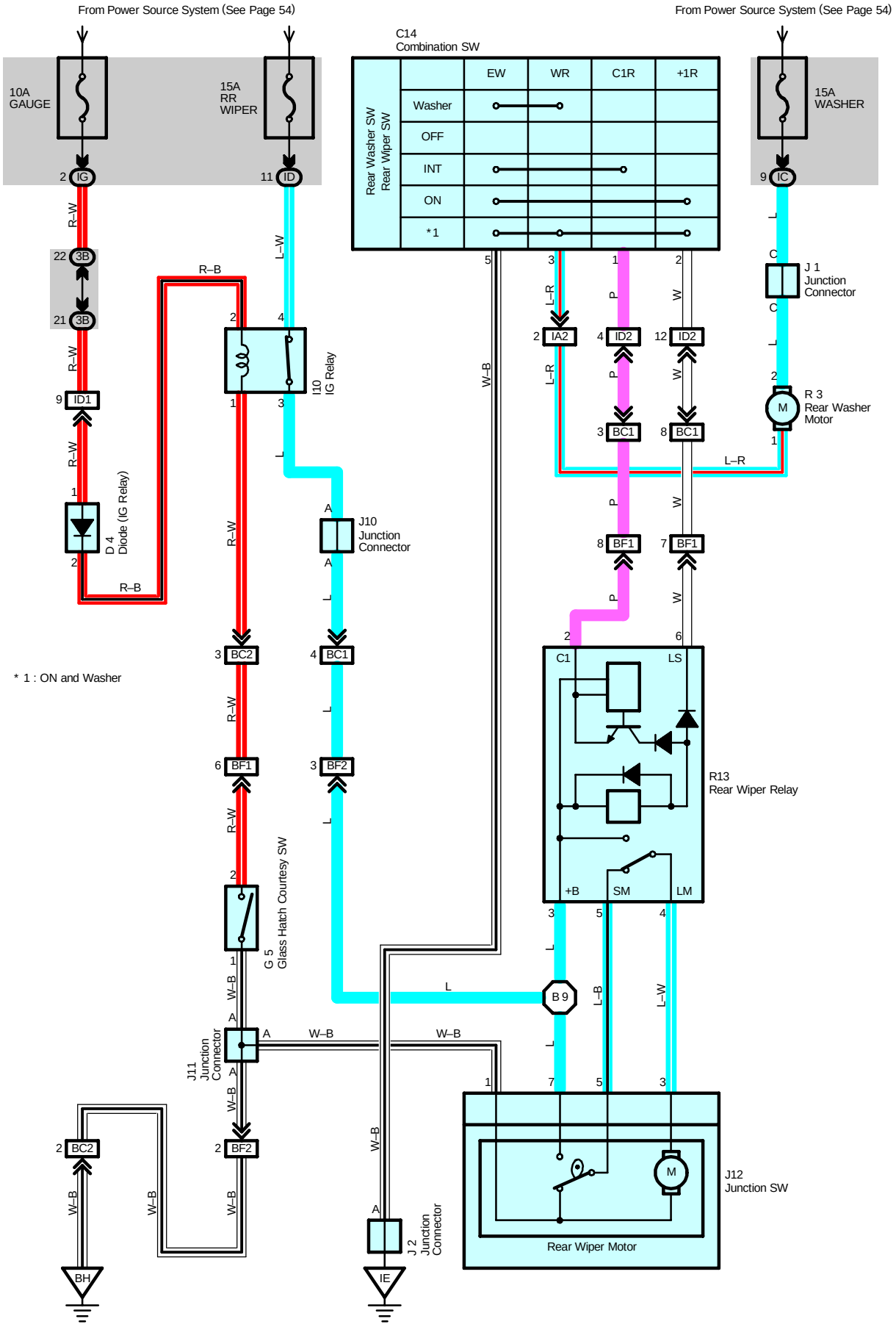
: Ground Points

Code	See Page	Ground Points Location
EA	42 (2ZZ–GE)	Front Right Fender
	44 (1ZZ–FE)	
EB	42 (2ZZ–GE)	Front Left Suspension Tower
	44 (1ZZ–FE)	
IE	46	Behind Combination Meter

Turn Signal and Hazard Warning Light



Rear Wiper and Washer



Service Hints

HORN Relay

5–3 : Closed with the horn SW on.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C13	38	H6	36 (1ZZ–FE)		
H6	34 (2ZZ–GE)	T3	39		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4A	32	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA4	46	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	48	Instrument Panel Wire			

Service Hints

INV Relay

3–5 : Closed with ignition SW at ON position and Main SW at on

: Parts Location

Code	See Page	Code	See Page	Code	See Page
J2	39	M2	39	V6	39
J7	39	P5	39		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	28	RH R/B (Right Side of the Instrument Panel Reinforcement)

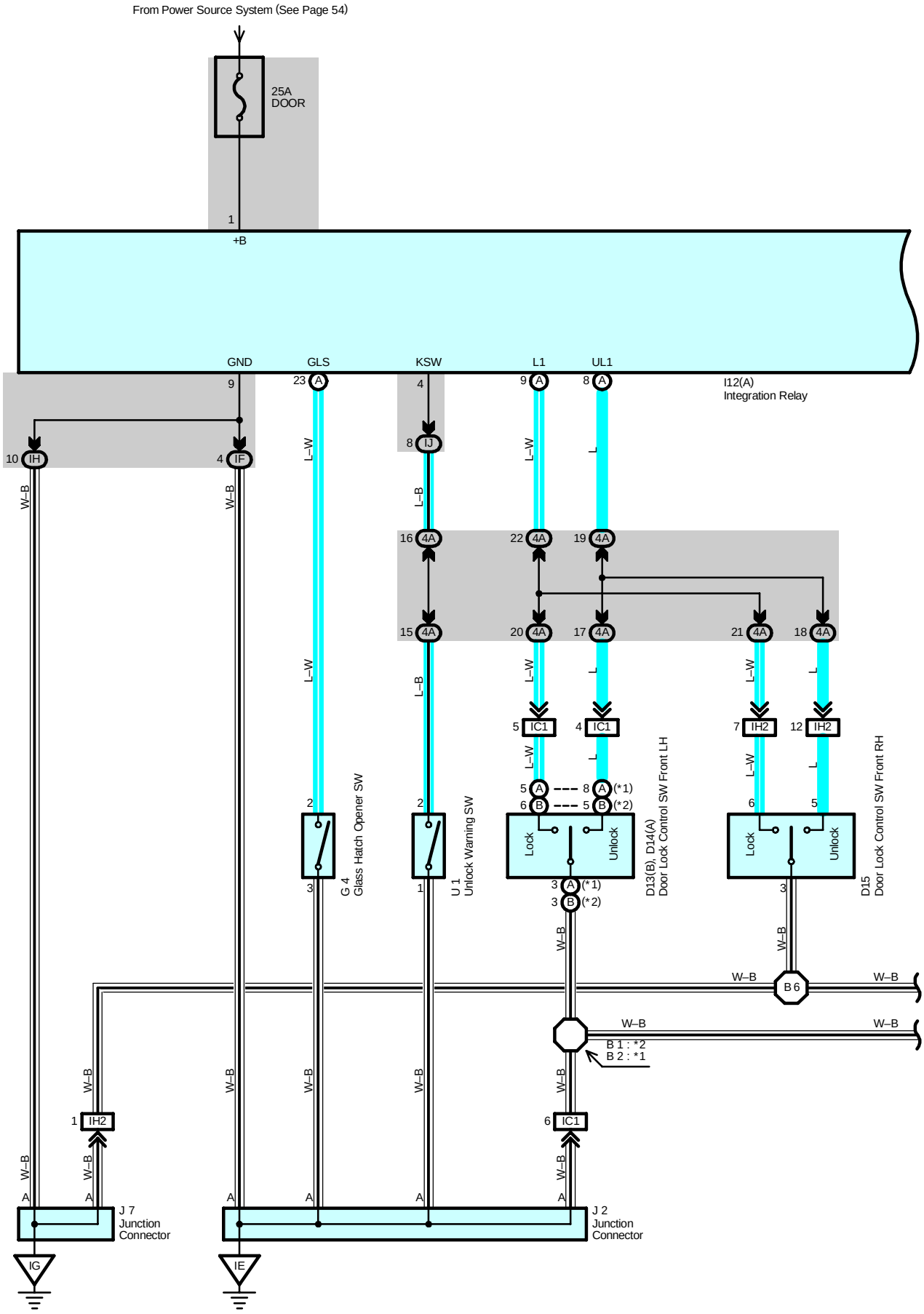
: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IG	25	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IH		
3A	29	Instrument Panel Wire and RH J/B (Right Side of the Instrument Panel Reinforcement)
3B		
4B	32	Instrument Panel Wire and Center J/B (Behind the Combination Meter)

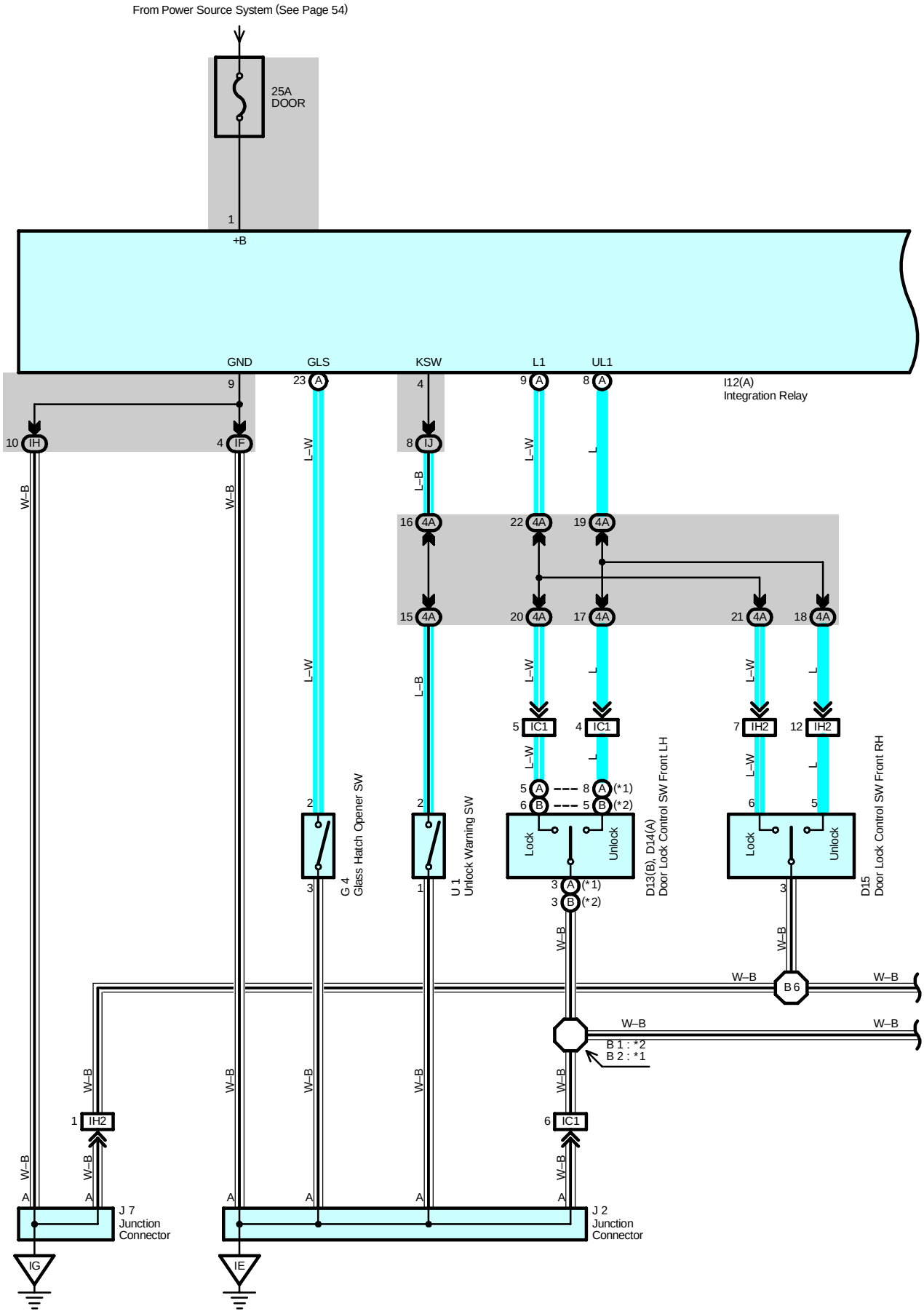
: Ground Points

Code	See Page	Ground Points Location
IE	46	Behind Combination Meter
IG	46	Right Kick Panel

Door Lock Control



Wireless Door Lock Control



Wireless Door Lock Control

System Outline

Door lock control (Lock and unlock) and panic control (TVIP alarm and flash) is performed by remote control, without the ignition key inserted in the door key cylinder, using low–power electrical waves emitted by a transmitter.

1. Wireless Door Lock or Unlock Normal Operation

With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, when the lock or unlock button (Transmitter) is pushed, the door control receiver receives the electrical waves from the transmitter, and sends a signal to the integration relay causing it to operate.
As a result, the integration relay judges whether the door is locked or unlocked based on the signal from the door lock motor and door unlock detection SW, and sends a signal to switch the condition from lock to unlock or vice versa, causing the door lock motor to operate.

2. Visual Confirmation of Lock or Unlock

If all doors indicate that they are locked after the lock command, parking lights and taillights will flash once. If any door indicates that it is open after the unlock command, parking lights and taillights will flash twice.

3. Wireless Door Unlock Operation

Pushing the unlock button (Transmitter) once, driver's door is unlocked. Furthermore, pushing the button again within 3 seconds, the other doors are unlocked.

4. Automatic Lock Operation

With the ignition key not inserted into the ignition key cylinder (Unlock warning SW off) and all the doors completely closed, after pushing the button (Transmitter) to unlock all the doors, if a door is not opened within 30 seconds, all the doors will be automatically relocked.

5. Glass Hatch Open Operation

With the ignition key not inserted into the ignition key cylinder, when the hatch button (Transmitter) is pushed, the door control receiver receives the electircal waves from the transmitter, and sends a signal to the integration relay causing it to operate.
As a result, the glass hatch is opened.

6. Wireless Control Stop Function

If a door is open (Door courtesy SW on), a signal is input from the door courtesy SW to the integration relay stopping wireless door lock or unlock.
If the ignition key is in the ignition key cylinder (Unlock warning SW on), the unlock warning SW inputs a signal to the integration relay stopping wireless door lock or unlock.

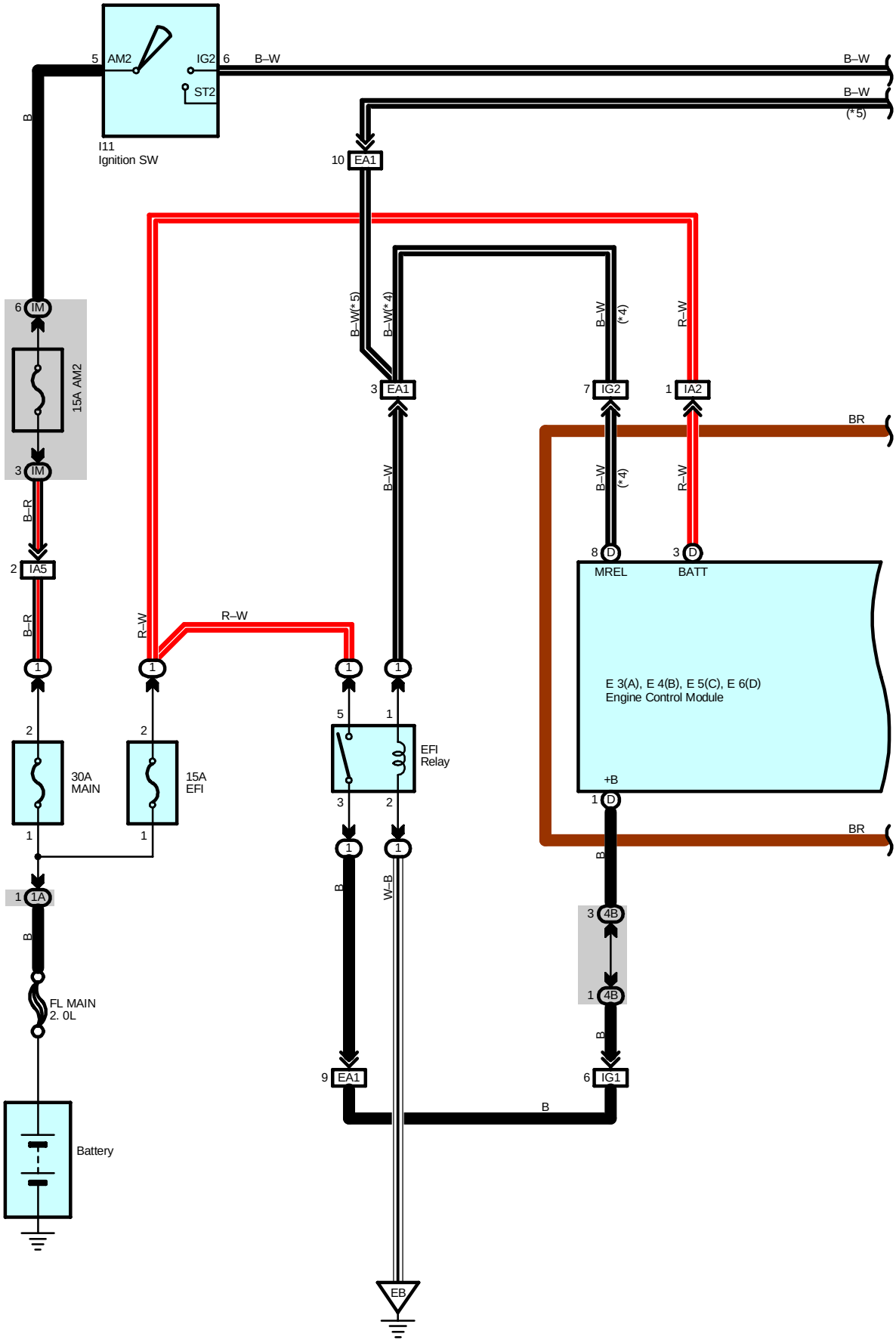
7. Repeat Function

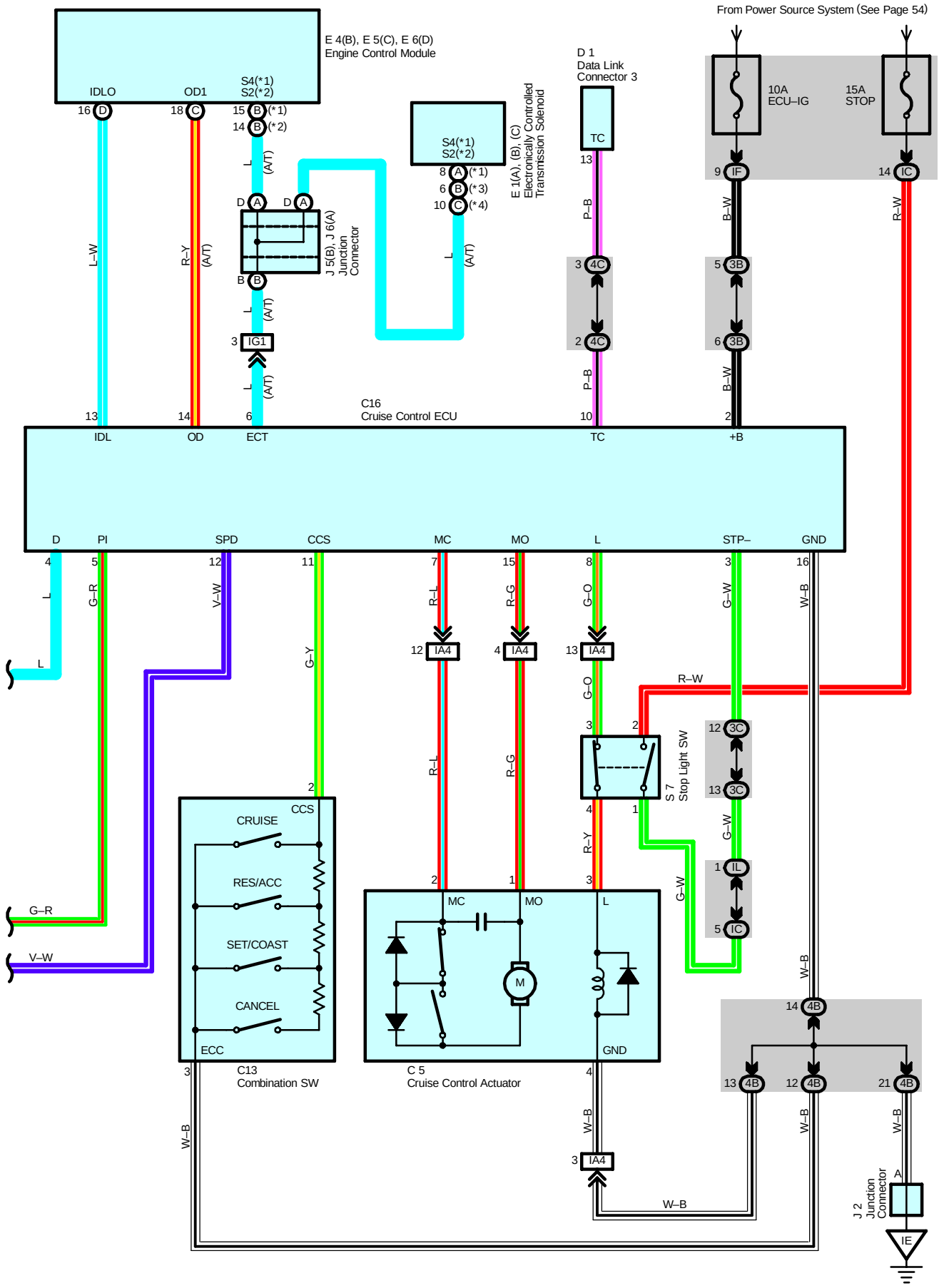
In case an appropriate lock detection signal is not received after outputting a lock signal when pushing the lock button (Transmitter), 1 seconds later, the integration relay output the lock signal again.

8. Remote Panic Operation

Panic will function when doors are locked or unlocked, open or closed. When the panic button (Transmitter) is pushed once, theft alarm sounds and headlights and taillights flash. Then, the panic or the unlock button (Transmitter) is pushed once more, sounding and flashing will stop. Panic will not function when ignition key is in ignition key cylinder.

Electronically Controlled Transmission




From Power Source System (See Page 54)
E 4(B), E 5(C), E 6(D)
Engine Control Module
IDLO
OD1
S4(*1)
S2(*2)
D 1
Data Link
Connector 3
TC
10A
ECU–IG
15A
STOP
S4(*1)
S2(*2)
E 1(A), (B), (C)
Electronically Controlled
Transmission Solenoid
J 5(B), J 6(A)
Junction
Connector
C16
Cruise Control ECU
IDL
OD
ECT
TC
+B
D
PI
SPD
CCS
MC
MO
L
STP–
GND
S 7
Stop Light SW
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
CCS
C13
Combination SW
C 5
Cruise Control Actuator
J 2
Junction
Connector
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 MAIN fuse flows to AM2 fuse to ignition SW (IG2) to TERMINAL (B) 5 of the airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the TERMINAL (B) 5 of the airbag sensor assembly flows to TERMINALS (B) 14, (B) 16, (B) 10, (B) 8, (A) 2 and (C) 5 of the airbag sensor assembly to airbag squibs and the pretensioners to TERMINALS (B) 13, (B) 17, (B) 11, (B) 7, (A) 1 and (C) 6 of the airbag sensor assembly to TERMINAL (B) 20, (B) 27 or BODY GROUND to GROUND, so that the current flows to the front airbag squibs and the pretensioners, and causes them to operate.
When the side impact also exceeds a set level, the current from the TERMINAL (B) 5 of the airbag sensor assembly flows to TERMINALS (A) 6 and (C) 1 of the airbag sensor assembly to the side airbag squibs to TERMINALS (A) 5 and (C) 2 of the airbag sensor assembly to TERMINAL (B) 20, (B) 27 or BODY GROUND to GROUND, causing side airbag squibs 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.
Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.
The pretensioners make sure of the seat belt restrainability.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	34 (2ZZ–GE)	A16	38	J7	39
	36 (1ZZ–FE)	B7	40	P14	41
A5	34 (2ZZ–GE)	B8	40	P15	41
	36 (1ZZ–FE)	C11	38	S8	41
A12 A	38	D1	38	S9	41
A13 B	38	E6	38	S10	41
A14 C	38	I11	39	S11	41
A15	38	J2	39		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
IF	25	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
IH		
II		
IJ		
IK	24	
IL		
IM		
1A	23	Engine Wire and Engine Room J/B (Engine Compartment Left)
3A	29	Instrument Panel Wire and RH J/B (Right Side of the Instrument Panel Reinforcement)
3B		
4B	32	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
4C		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	46	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IA5		
II1	48	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Instrument Panel Center)