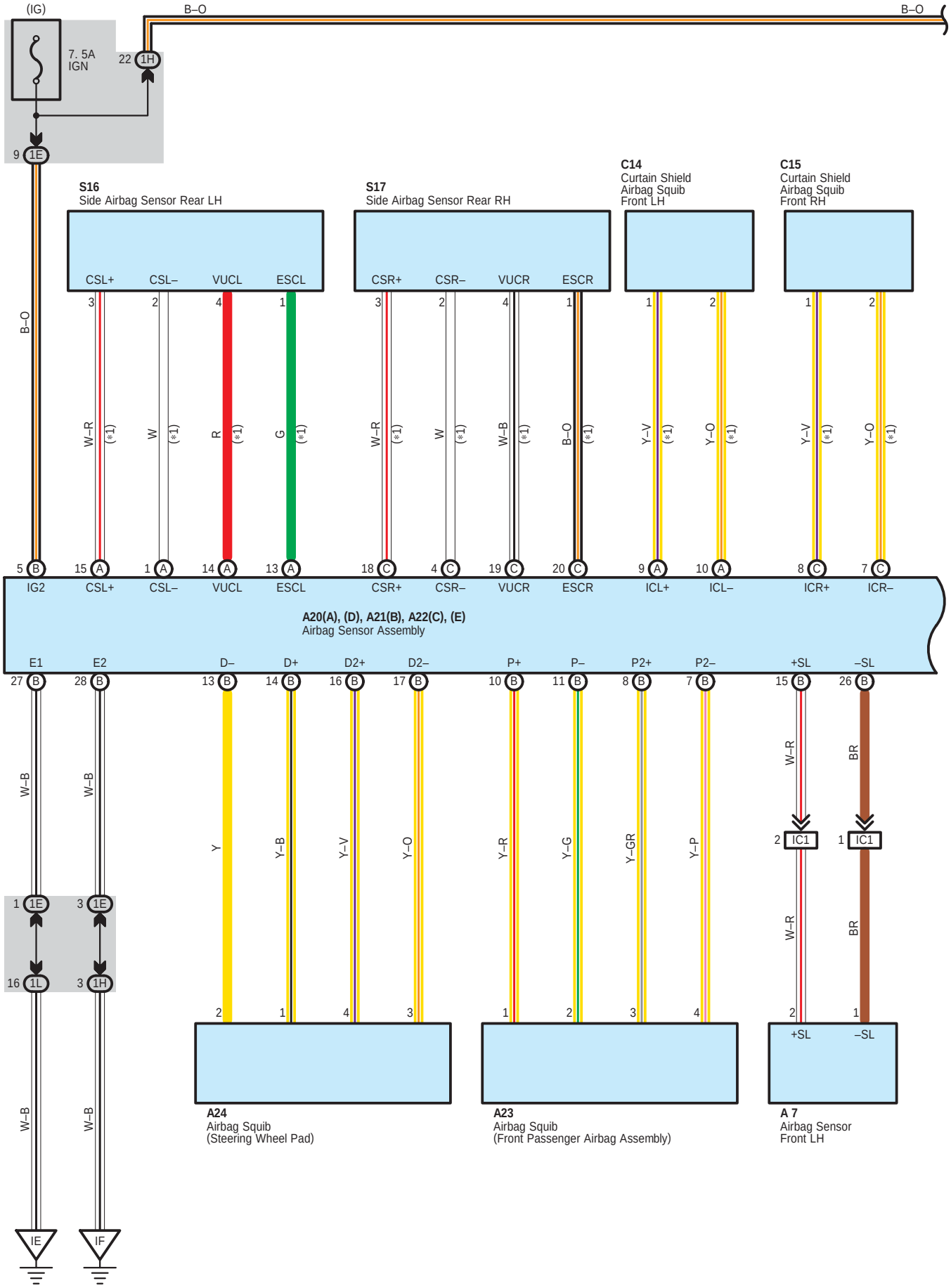
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

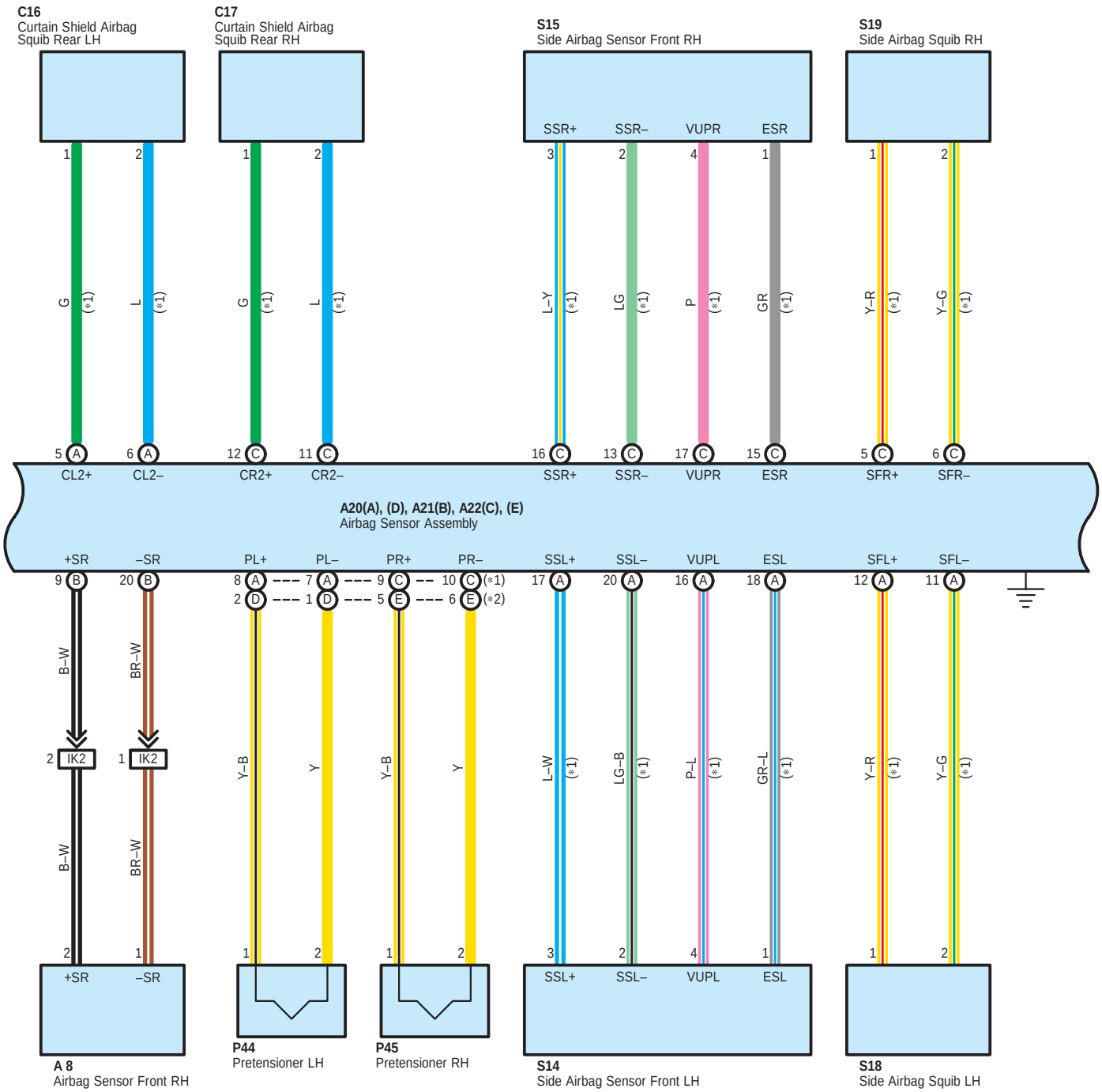
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the ignition SW is 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 deploy.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back–up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

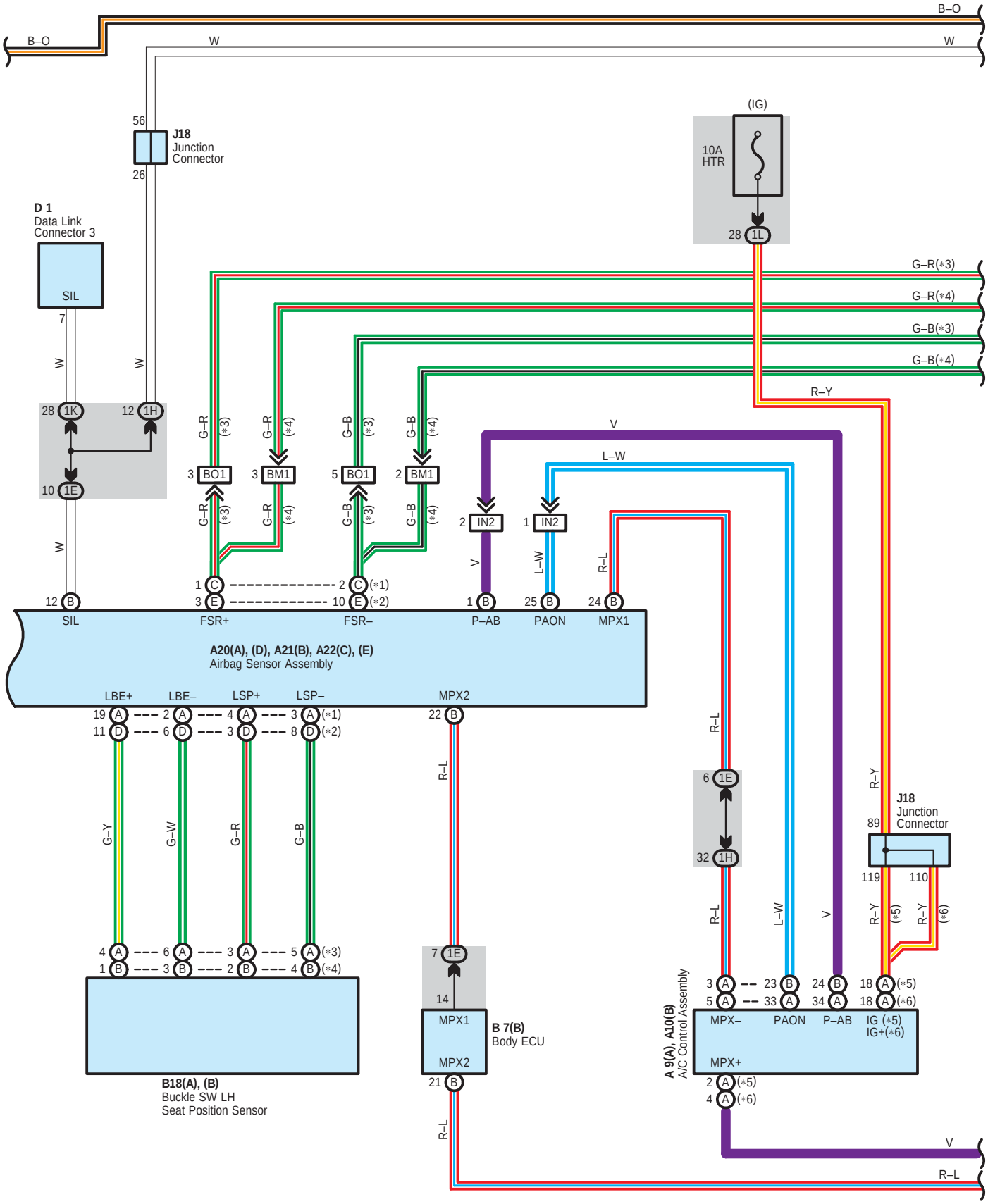
* Steering wheel pad
* Front passenger airbag assembly
* Side airbag assembly
* Curtain shield airbag assembly
* Seat belt pretensioner
* Center airbag sensor assembly
* Front airbag sensor assembly
* Side airbag sensor assembly
* Rear airbag sensor assembly

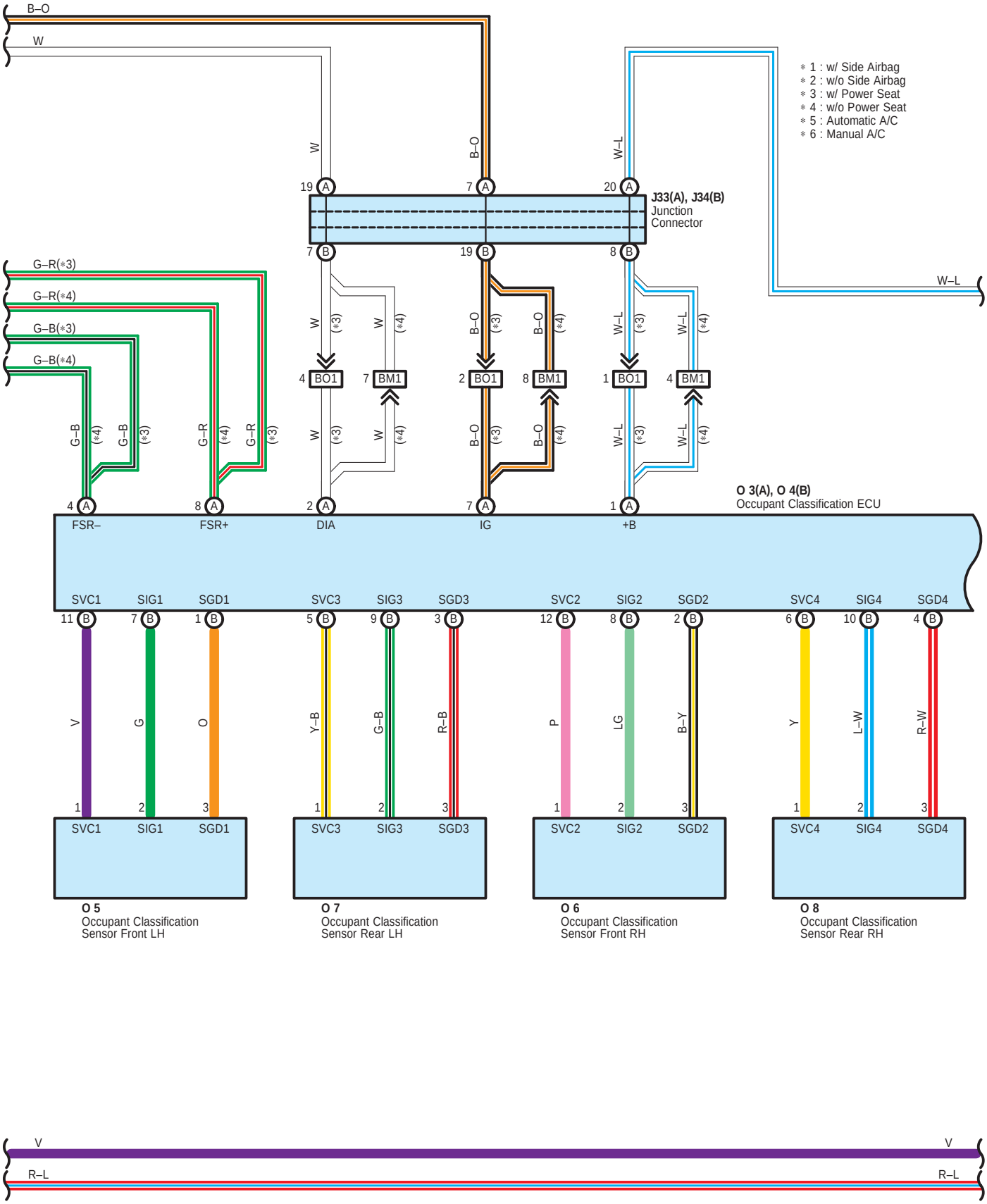

(IG)
B–O
B–O
7. 5A
IGN
22 1H
9 1E
S16
Side Airbag Sensor Rear LH
S17
Side Airbag Sensor Rear RH
C14
Curtain Shield
Airbag Squib
Front LH
C15
Curtain Shield
Airbag Squib
Front RH
CSL+ CSL– VUCL ESCL
CSR+ CSR– VUCR ESCR
B–O
W–R (*1)
W (*1)
R (*1)
G (*1)
W–R (*1)
W (*1)
W–B (*1)
B–O (*1)
Y–V (*1)
Y–O (*1)
Y–V (*1)
Y–O (*1)
5 B IG2
15 A CSL+
1 A CSL–
14 A VUCL
13 A ESCL
18 C CSR+
4 C CSR–
19 C VUCR
20 C ESCR
9 A ICL+
10 A ICL–
8 C ICR+
7 C ICR–
A20(A), (D), A21(B), A22(C), (E)
Airbag Sensor Assembly
E1 E2 D– D+ D2+ D2– P+ P– P2+ P2– +SL –SL
27 B
28 B
13 B
14 B
16 B
17 B
10 B
11 B
8 B
7 B
15 B
26 B
W–B
W–B
Y
Y–B
Y–V
Y–O
Y–R
Y–G
Y–GR
Y–P
W–R
BR
2 IC1
1 IC1
1 1E
3 1E
16 1L
3 1H
W–B
W–B
W–R
BR
IE
IF
2 1 4 3
1 2 3 4
2 1
+SL –SL
A24
Airbag Squib
(Steering Wheel Pad)
A23
Airbag Squib
(Front Passenger Airbag Assembly)
A 7
Airbag Sensor
Front LH

B–O B–O

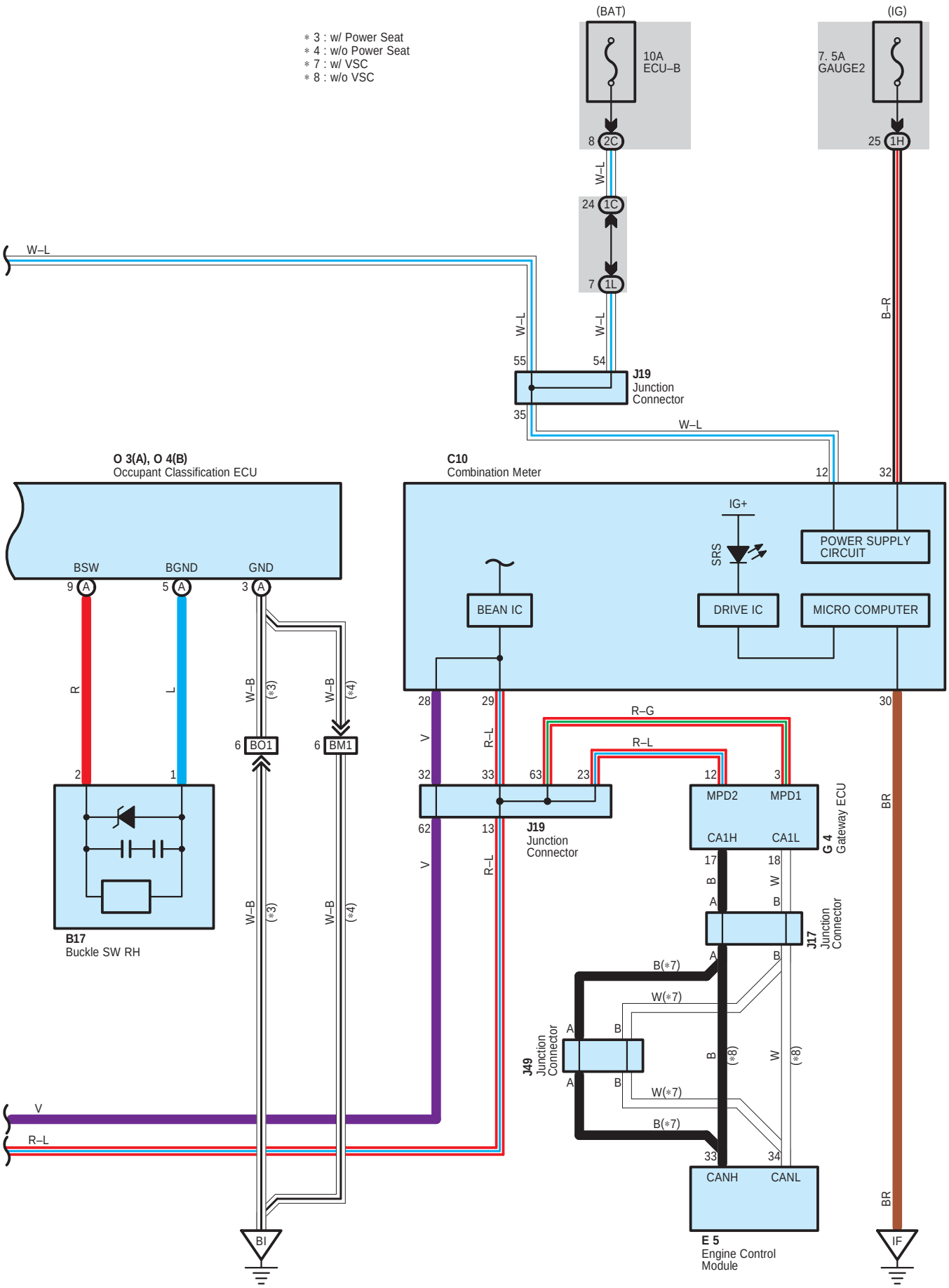
∗ 1 : w/ Side Airbag
∗ 2 : w/o Side Airbag




B–O
W
56
J18
Junction
Connector
26
D 1
Data Link
Connector 3
SIL
7
W
28 1K
12 1H
10 1E
12 B
SIL
(IG)
10A
HTR
28 1L
G–R(*3)
G–R(*4)
G–B(*3)
G–B(*4)
R–Y
V
L–W
3 BO1
3 BM1
5 BO1
2 BM1
1 C
3 E
2 C (*1)
10 E (*2)
2 IN2
1 IN2
1 B
25 B
24 B
FSR+
FSR–
P–AB
PAON
MPX1
A20(A), (D), A21(B), A22(C), (E)
Airbag Sensor Assembly
LBE+
LBE–
LSP+
LSP–
MPX2
19 A
11 D
2 A
6 D
4 A
3 D
3 A (*1)
8 D (*2)
22 B
G–Y
G–W
G–R
G–B
R–L
4 A
1 B
6 A
3 B
3 A
2 B
5 A (*3)
4 B (*4)
B18(A), (B)
Buckle SW LH
Seat Position Sensor
7 1E
14
MPX1
MPX2
21 B
B 7(B)
Body ECU
6 1E
32 1H
J18
Junction
Connector
89
119
110
R–Y
(*5)
(*6)
3 A
5 A
23 B
33 A
24 B
34 A
18 A (*5)
18 A (*6)
MPX–
PAON
P–AB
IG (*5)
IG+(*6)
MPX+
A 9(A), A10(B)
A/C Control Assembly
2 A (*5)
4 A (*6)


B–O
W
W
B–O
W–L
19 A
7 A
20 A
J33(A), J34(B)
Junction
Connector
7 B
19 B
8 B
∗ 1 : w/ Side Airbag
∗ 2 : w/o Side Airbag
∗ 3 : w/ Power Seat
∗ 4 : w/o Power Seat
∗ 5 : Automatic A/C
∗ 6 : Manual A/C
W–L
G–R(∗3)
G–R(∗4)
G–B(∗3)
G–B(∗4)
4 BO1
7 BM1
2 BO1
8 BM1
1 BO1
4 BM1
O 3(A), O 4(B)
Occupant Classification ECU
4 A
8 A
2 A
7 A
1 A
FSR–
FSR+
DIA
IG
+B
SVC1
SIG1
SGD1
SVC3
SIG3
SGD3
SVC2
SIG2
SGD2
SVC4
SIG4
SGD4
11 B
7 B
1 B
5 B
9 B
3 B
12 B
8 B
2 B
6 B
10 B
4 B
V
G
O
Y–B
G–B
R–B
P
LG
B–Y
Y
L–W
R–W
1
2
3
SVC1
SIG1
SGD1
SVC3
SIG3
SGD3
SVC2
SIG2
SGD2
SVC4
SIG4
SGD4
O 5
Occupant Classification
Sensor Front LH
O 7
Occupant Classification
Sensor Rear LH
O 6
Occupant Classification
Sensor Front RH
O 8
Occupant Classification
Sensor Rear RH

V
V
R–L
R–L


∗ 3 : w/ Power Seat
∗ 4 : w/o Power Seat
∗ 7 : w/ VSC
∗ 8 : w/o VSC
(BAT)
10A
ECU–B
8 2C
W–L
24 1C
7 1L
(IG)
7. 5A
GAUGE2
25 1H
B–R
W–L
55
54
J19
Junction
Connector
35
W–L
O 3(A), O 4(B)
Occupant Classification ECU
C10
Combination Meter
12
32
IG+
SRS
POWER SUPPLY
CIRCUIT
BEAN IC
DRIVE IC
MICRO COMPUTER
BSW
BGND
GND
9 A
5 A
3 A
R
L
W–B
(∗3)
W–B
(∗4)
6 BO1
6 BM1
28
29
30
V
R–L
R–G
R–L
32
33
63
23
12
3
MPD2
MPD1
CA1H
CA1L
G 4
Gateway ECU
62
13
J19
Junction
Connector
17
18
B
W
A
B
J17
Junction
Connector
B(∗7)
W(∗7)
J49
Junction
Connector
W(∗7)
B(∗7)
B
(∗8)
W
(∗8)
33
34
CANH
CANL
E 5
Engine Control
Module
B17
Buckle SW RH
V
R–L
BR
BR
BI
IF

System Outline

* The system reaches an ignition judgment to deploy the following device based on the signals received from the front airbag sensor and deceleration sensor.
  – Driver Airbag
  – Front Passenger Airbag
  – Seat Belt Pretensioner
* The system reaches an ignition judgment to deploy the following device based on the signals received from the side airbag sensors.
  – Side Airbags
  – Curtain Shield Airbags
* The dual–stage SRS airbag system has been used for the driver and front passenger airbags. This system controls the optimal airbag inflation by judging the extent of impact, seat position (driver seat), whether or not the seat belt is fastened (driver seat) and information from the front passenger occupant classification system.
* The front passenger occupant classification system judges whether the front passenger seat is occupied by an adult or child (with child seat) or is unoccupied, according to the load applied to the front passenger seat and whether the seat belt is buckled. Based on the results, it restricts the deployment of the front passenger airbag, front passenger side airbag, and front passenger seat belt pretensioner. In addition, the system informs the driver of the result of the judgment through the use of the AIRBAG ON/OFF indicator lights.
* The airbag sensor assembly transmits a signal to the engine control module in order to stop the fuel pump when the airbag is deployed.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A7	36	C10	39	O5	46 (*1)
A8	36	C14	39		47 (*2)
A9 A	38	C15	39	O6	46 (*1)
A10 B	38	C16	42		47 (*2)
A20 A	38	C17	42	O7	46 (*1)
A20 D	38	D1	39		47 (*2)
A21 B	38	E5	39	O8	46 (*1)
A22 C	38	G4	39		47 (*2)
A22 E	38	J17	40	P44	44
A23	38	J18	40	P45	44
A24	38	J19	40	S14	45
B7 B	38	J33 A	40	S15	45
B17	46 (*1)	J34 B	40	S16	45
	47 (*2)	J49	40	S17	45
B18 A	46 (*1)	O3 A	46 (*1)	S18	46 (*1)
	47 (*2)		47 (*2)		47 (*2)
B18 B	46 (*1)	O4 B	46 (*1)	S19	46 (*1)
	47 (*2)		47 (*2)		47 (*2)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	31	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
1E	31	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
1H	30	
1K	31	
1L		
2C	24	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)

* 1 : Front Seat w/ Power Seat * 2 : Front Seat w/o Power Seat * 3 : Rear No.2 Seat

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	52	Engine Room Main Wire and Instrument Panel Wire (Near the Driver Side J/B)
IK2	53	Engine Room Main Wire and Instrument Panel Wire (Right Kick Panel)
IN2	53	Instrument Panel Wire and Instrument Panel Wire (Under the Combination Meter)
BM1	57 (*2)	Floor No.2 Wire and Seat No.1 Wire (Under the Front Passenger's Seat)
BO1	56 (*1)	Seat No.1 Wire and Floor No.2 Wire (Under the Front Passenger's Seat)

: Ground Points

Code	See Page	Ground Points Location
IE	52	Left Kick Panel
IF	52	Instrument Panel Brace LH
BI	54	Under the Right Center Pillar

* 1 : Front Seat w/ Power Seat * 2 : Front Seat w/o Power Seat * 3 : Rear No.2 Seat