

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

CONTENTS

FOR USA AND CANADA

<p>BASIC INSPECTION 8</p> <p>DIAGNOSIS AND REPAIR WORK FLOW 8 Work Flow8</p> <p>FUNCTION DIAGNOSIS10</p> <p>SRS AIR BAG SYSTEM10 System Diagram 10 System Description 10 Component Parts Location 11 Component Description 12</p> <p>OCCUPANT CLASSIFICATION SYSTEM13 System Diagram 13 System Description 13 Component Parts Location 13 Component Description 14</p> <p>PASSENGER SEAT BELT WARNING SYSTEM15 System Diagram 15 System Description 15 Component Parts Location 16 Component Description 17</p> <p>DIAGNOSIS SYSTEM (AIRBAG)18 Diagnosis Description 18 CONSULT-III Function 20</p> <p>COMPONENT DIAGNOSIS22</p> <p>B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT22 Description 22 DTC Logic 22 Diagnosis Procedure 23</p> <p>B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT24</p>	<p>Description24 DTC Logic24 Diagnosis Procedure25</p> <p>B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT26 Description26 DTC Logic26 Diagnosis Procedure27</p> <p>B1017, B1020, B1021 OCCUPANT SENS C/U28 Description28 DTC Logic28 Diagnosis Procedure29</p> <p>B1018 OCCUPANT SENS30 Description30 DTC Logic30 Diagnosis Procedure31</p> <p>B1022 OCCUPANT SENS C/U32 Description32 DTC Logic32 Diagnosis Procedure33</p> <p>B1023 PASS A/B INDCTR CKT34 Description34 DTC Logic34 Diagnosis Procedure35</p> <p>B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT36 Description36 DTC Logic36 Diagnosis Procedure37</p> <p>B1033, B1034 CRASH ZONE SEN38 Description38 DTC Logic38 Diagnosis Procedure39</p>
---	---

SRC

B1035, B1036, B1038, B1040 CRASH ZONE SEN	40	DTC Logic	66
Description	40	Diagnosis Procedure	67
DTC Logic	40	B1081 PRE-TEN FRONT RH	68
Diagnosis Procedure	41	Description	68
B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT	42	DTC Logic	68
Description	42	Diagnosis Procedure	69
DTC Logic	42	B1082 PRE-TEN FRONT RH	70
Diagnosis Procedure	43	Description	70
B1049, B1054 DRIVER AIRBAG MODULE	44	DTC Logic	70
Description	44	Diagnosis Procedure	71
DTC Logic	44	B1083 PRE-TEN FRONT RH	72
Diagnosis Procedure	45	Description	72
B1050, B1055 DRIVER AIRBAG MODULE	47	DTC Logic	72
Description	47	Diagnosis Procedure	73
DTC Logic	47	B1084 PRE-TEN FRONT RH	74
Diagnosis Procedure	48	Description	74
B1051, B1056 DRIVER AIRBAG MODULE	50	DTC Logic	74
Description	50	Diagnosis Procedure	75
DTC Logic	50	B1086 PRE-TEN FRONT LH	76
Diagnosis Procedure	51	Description	76
B1052, B1057 DRIVER AIRBAG MODULE	53	DTC Logic	76
Description	53	Diagnosis Procedure	77
DTC Logic	53	B1087 PRE-TEN FRONT LH	78
Diagnosis Procedure	54	Description	78
B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT	56	DTC Logic	78
Description	56	Diagnosis Procedure	79
DTC Logic	56	B1088 PRE-TEN FRONT LH	80
Diagnosis Procedure	57	Description	80
B1065, B1070 ASSIST A/B MODULE	58	DTC Logic	80
Description	58	Diagnosis Procedure	81
DTC Logic	58	B1089 PRE-TEN FRONT LH	82
Diagnosis Procedure	59	Description	82
B1066, B1071 ASSIST A/B MODULE	60	DTC Logic	82
Description	60	Diagnosis Procedure	83
DTC Logic	60	B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT	84
Diagnosis Procedure	61	Description	84
B1067, B1072 ASSIST A/B MODULE	62	DTC Logic	84
Description	62	Diagnosis Procedure	85
DTC Logic	62	B1113, B1114 SATELLITE SENS RH	86
Diagnosis Procedure	63	Description	86
B1068, B1073 ASSIST A/B MODULE	64	DTC Logic	86
Description	64	Diagnosis Procedure	87
DTC Logic	64	B1115, B1116 SATELLITE SENS RH	88
Diagnosis Procedure	65	Description	88
B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT	66	DTC Logic	88
Description	66	Diagnosis Procedure	89
		B1118, B1119 SATELLITE SENS LH	90
		Description	90
		DTC Logic	90

Diagnosis Procedure	91	Diagnosis Procedure	115	
B1120, B1121 SATELLITE SENS LH	92	B1146 CURTAIN MODULE RH	116	A
Description	92	Description	116	
DTC Logic	92	DTC Logic	116	B
Diagnosis Procedure	93	Diagnosis Procedure	117	
B1122, B1123, B1124, B1125, B1126, B1127		B1147 CURTAIN MODULE RH	118	C
DIAGNOSIS SENSOR UNIT	94	Description	118	
Description	94	DTC Logic	118	
DTC Logic	94	Diagnosis Procedure	119	D
Diagnosis Procedure	95	B1148 CURTAIN MODULE RH	120	
B1129 SIDE MODULE RH	96	Description	120	E
Description	96	DTC Logic	120	
DTC Logic	96	Diagnosis Procedure	121	
Diagnosis Procedure	97	B1150 CURTAIN MODULE LH	122	F
B1130 SIDE MODULE RH	98	Description	122	
Description	98	DTC Logic	122	
DTC Logic	98	Diagnosis Procedure	123	G
Diagnosis Procedure	99	B1151 CURTAIN MODULE LH	124	
B1131 SIDE MODULE RH	100	Description	124	
Description	100	DTC Logic	124	
DTC Logic	100	Diagnosis Procedure	125	SRC
Diagnosis Procedure	101	B1152 CURTAIN MODULE LH	126	I
B1132 SIDE MODULE RH	102	Description	126	
Description	102	DTC Logic	126	
DTC Logic	102	Diagnosis Procedure	127	J
Diagnosis Procedure	103	B1153 CURTAIN MODULE LH	128	
B1134 SIDE MODULE LH	104	Description	128	
Description	104	DTC Logic	128	
DTC Logic	104	Diagnosis Procedure	129	K
Diagnosis Procedure	105	B1170, B1171, B1172, B1173, B1174, B1175		
B1135 SIDE MODULE LH	106	DIAGNOSIS SENSOR UNIT	130	L
Description	106	Description	130	
DTC Logic	106	DTC Logic	130	
Diagnosis Procedure	107	Diagnosis Procedure	131	M
B1136 SIDE MODULE LH	108	B1177 PRE-TEN2 FRONT RH	132	
Description	108	Description	132	
DTC Logic	108	DTC Logic	132	
Diagnosis Procedure	109	Diagnosis Procedure	133	N
B1137 SIDE MODULE LH	110	B1178 PRE-TEN2 FRONT RH	134	O
Description	110	Description	134	
DTC Logic	110	DTC Logic	134	
Diagnosis Procedure	111	Diagnosis Procedure	135	P
B1138, B1139, B1140, B1141, B1142, B1143		B1179 PRE-TEN2 FRONT RH	136	
DIAGNOSIS SENSOR UNIT	112	Description	136	
Description	112	DTC Logic	136	
DTC Logic	112	Diagnosis Procedure	137	
Diagnosis Procedure	113	B1180 PRE-TEN2 FRONT RH	138	
B1145 CURTAIN MODULE RH	114	Description	138	
Description	114	DTC Logic	138	
DTC Logic	114	Diagnosis Procedure	139	

B1182 PRE-TEN2 FRONT LH	140	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	173
Description	140	Service	173
DTC Logic	140	Occupant Classification System Precaution	173
Diagnosis Procedure	141		
B1183 PRE-TEN2 FRONT LH	142		
Description	142		
DTC Logic	142		
Diagnosis Procedure	143		
B1184 PRE-TEN2 FRONT LH	144		
Description	144		
DTC Logic	144		
Diagnosis Procedure	145		
B1185 PRE-TEN2 FRONT LH	146		
Description	146		
DTC Logic	146		
Diagnosis Procedure	147		
B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT	148		
Description	148		
DTC Logic	148		
Diagnosis Procedure	149		
B1209 FRONTAL COLLISION DETECTION	150		
Description	150		
DTC Logic	150		
Diagnosis Procedure	150		
B1210 SIDE COLLISION DETECTION	152		
Description	152		
DTC Logic	152		
Diagnosis Procedure	152		
ECU DIAGNOSIS	154		
DIAGNOSIS SENSOR UNIT	154		
DTC Index	154		
Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —	163		
SYMPTOM DIAGNOSIS	170		
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	170		
Diagnosis Procedure	170		
SRS AIR BAG WARNING LAMP DOES NOT TURN ON	171		
Diagnosis Procedure	171		
PASSENGER SEAT BELT WARNING SYSTEM	172		
Diagnosis Procedure	172		
PRECAUTION	173		
PRECAUTIONS	173		
		FOR MEXICO	
		BASIC INSPECTION	174
		DIAGNOSIS AND REPAIR WORK FLOW	174
		Work Flow	174
		FUNCTION DIAGNOSIS	176
		SRS AIR BAG SYSTEM	176
		System Diagram	176
		System Description	176
		Component Parts Location	177
		Component Description	178
		DIAGNOSIS SYSTEM (AIRBAG)	179
		Diagnosis Description	179
		CONSULT-III Function	181
		COMPONENT DIAGNOSIS	183
		B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT	183
		Description	183
		DTC Logic	183
		Diagnosis Procedure	184
		B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT	185
		Description	185
		DTC Logic	185
		Diagnosis Procedure	186
		B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT	187
		Description	187
		DTC Logic	187
		Diagnosis Procedure	188
		B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT	189
		Description	189
		DTC Logic	189
		Diagnosis Procedure	190
		B1033, B1034 CRASH ZONE SEN	191
		Description	191
		DTC Logic	191
		Diagnosis Procedure	192
		B1035, B1036, B1038, B1040 CRASH ZONE SEN	193
		Description	193
		DTC Logic	193
		Diagnosis Procedure	194

B1042, B1043, B1044, B1045, B1046, B1047	Diagnosis Procedure	218	
DIAGNOSIS SENSOR UNIT	B1082 PRE-TEN FRONT RH	219	A
Description	Description	219	
DTC Logic	DTC Logic	219	B
Diagnosis Procedure	Diagnosis Procedure	220	
B1049 DRIVER AIRBAG MODULE	B1083 PRE-TEN FRONT RH	221	C
Description	Description	221	
DTC Logic	DTC Logic	221	
Diagnosis Procedure	Diagnosis Procedure	222	
B1050 DRIVER AIRBAG MODULE	B1084 PRE-TEN FRONT RH	223	D
Description	Description	223	
DTC Logic	DTC Logic	223	
Diagnosis Procedure	Diagnosis Procedure	224	E
B1051 DRIVER AIRBAG MODULE	B1086 PRE-TEN FRONT LH	225	F
Description	Description	225	
DTC Logic	DTC Logic	225	
Diagnosis Procedure	Diagnosis Procedure	226	
B1052 DRIVER AIRBAG MODULE	B1087 PRE-TEN FRONT LH	227	G
Description	Description	227	
DTC Logic	DTC Logic	227	
Diagnosis Procedure	Diagnosis Procedure	228	
B1058, B1059, B1060, B1061, B1062, B1063	B1088 PRE-TEN FRONT LH	229	SRC
DIAGNOSIS SENSOR UNIT	Description	229	
Description	DTC Logic	229	I
DTC Logic	Diagnosis Procedure	230	
Diagnosis Procedure	B1089 PRE-TEN FRONT LH	231	J
B1065 ASSIST A/B MODULE	Description	231	
Description	DTC Logic	231	
DTC Logic	Diagnosis Procedure	232	
Diagnosis Procedure	B1106, B1107, B1108, B1109, B1110, B1111		K
B1066 ASSIST A/B MODULE	DIAGNOSIS SENSOR UNIT	233	L
Description	Description	233	
DTC Logic	DTC Logic	233	
Diagnosis Procedure	Diagnosis Procedure	234	
B1067 ASSIST A/B MODULE	B1113, B1114 SATELLITE SENS RH	235	M
Description	Description	235	
DTC Logic	DTC Logic	235	
Diagnosis Procedure	Diagnosis Procedure	236	
B1068 ASSIST A/B MODULE	B1115, B1116 SATELLITE SENS RH	237	N
Description	Description	237	
DTC Logic	DTC Logic	237	
Diagnosis Procedure	Diagnosis Procedure	238	O
B1074, B1075, B1076, B1077, B1078, B1079	B1118, B1119 SATELLITE SENS LH	239	P
DIAGNOSIS SENSOR UNIT	Description	239	
Description	DTC Logic	239	
DTC Logic	Diagnosis Procedure	240	
Diagnosis Procedure	B1120, B1121 SATELLITE SENS LH	241	
B1081 PRE-TEN FRONT RH	Description	241	
Description	DTC Logic	241	
DTC Logic	Diagnosis Procedure	242	

B1122, B1123, B1124, B1125, B1126, B1127	
DIAGNOSIS SENSOR UNIT	243
Description	243
DTC Logic	243
Diagnosis Procedure	244
B1129 SIDE MODULE RH	245
Description	245
DTC Logic	245
Diagnosis Procedure	246
B1130 SIDE MODULE RH	247
Description	247
DTC Logic	247
Diagnosis Procedure	248
B1131 SIDE MODULE RH	249
Description	249
DTC Logic	249
Diagnosis Procedure	250
B1132 SIDE MODULE RH	251
Description	251
DTC Logic	251
Diagnosis Procedure	252
B1134 SIDE MODULE LH	253
Description	253
DTC Logic	253
Diagnosis Procedure	254
B1135 SIDE MODULE LH	255
Description	255
DTC Logic	255
Diagnosis Procedure	256
B1136 SIDE MODULE LH	257
Description	257
DTC Logic	257
Diagnosis Procedure	258
B1137 SIDE MODULE LH	259
Description	259
DTC Logic	259
Diagnosis Procedure	260
B1138, B1139, B1140, B1141, B1142, B1143	
DIAGNOSIS SENSOR UNIT	261
Description	261
DTC Logic	261
Diagnosis Procedure	262
B1145 CURTAIN MODULE RH	263
Description	263
DTC Logic	263
Diagnosis Procedure	264
B1146 CURTAIN MODULE RH	265
Description	265
DTC Logic	265
Diagnosis Procedure	266
B1147 CURTAIN MODULE RH	267
Description	267
DTC Logic	267
Diagnosis Procedure	268
B1148 CURTAIN MODULE RH	269
Description	269
DTC Logic	269
Diagnosis Procedure	270
B1150 CURTAIN MODULE LH	271
Description	271
DTC Logic	271
Diagnosis Procedure	272
B1151 CURTAIN MODULE LH	273
Description	273
DTC Logic	273
Diagnosis Procedure	274
B1152 CURTAIN MODULE LH	275
Description	275
DTC Logic	275
Diagnosis Procedure	276
B1153 CURTAIN MODULE LH	277
Description	277
DTC Logic	277
Diagnosis Procedure	278
B1170, B1171, B1172, B1173, B1174, B1175	
DIAGNOSIS SENSOR UNIT	279
Description	279
DTC Logic	279
Diagnosis Procedure	280
B1177 PRE-TEN2 FRONT RH	281
Description	281
DTC Logic	281
Diagnosis Procedure	282
B1178 PRE-TEN2 FRONT RH	283
Description	283
DTC Logic	283
Diagnosis Procedure	284
B1179 PRE-TEN2 FRONT RH	285
Description	285
DTC Logic	285
Diagnosis Procedure	286
B1180 PRE-TEN2 FRONT RH	287
Description	287
DTC Logic	287
Diagnosis Procedure	288
B1182 PRE-TEN2 FRONT LH	289
Description	289
DTC Logic	289
Diagnosis Procedure	290
B1183 PRE-TEN2 FRONT LH	291

Description	291	DTC Logic	301	
DTC Logic	291	Diagnosis Procedure	301	A
Diagnosis Procedure	292			
B1184 PRE-TEN2 FRONT LH	293	ECU DIAGNOSIS	303	
Description	293	DIAGNOSIS SENSOR UNIT	303	B
DTC Logic	293	DTC Index	303	
Diagnosis Procedure	294	Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —	311	C
B1185 PRE-TEN2 FRONT LH	295	SYMPTOM DIAGNOSIS	316	
Description	295	SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	316	D
DTC Logic	295	Diagnosis Procedure	316	
Diagnosis Procedure	296	SRS AIR BAG WARNING LAMP DOES NOT TURN ON	317	E
B1202, B1203, B1204, B1205, B1206, B1207		Diagnosis Procedure	317	F
DIAGNOSIS SENSOR UNIT	297	PRECAUTION	318	
Description	297	PRECAUTIONS	318	G
DTC Logic	297	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	318	
Diagnosis Procedure	298	Service	318	SRC
B1209 FRONTAL COLLISION DETECTION ..	299			I
Description	299			J
DTC Logic	299			K
Diagnosis Procedure	299			L
B1210 SIDE COLLISION DETECTION	301			M
Description	301			N
				O
				P

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

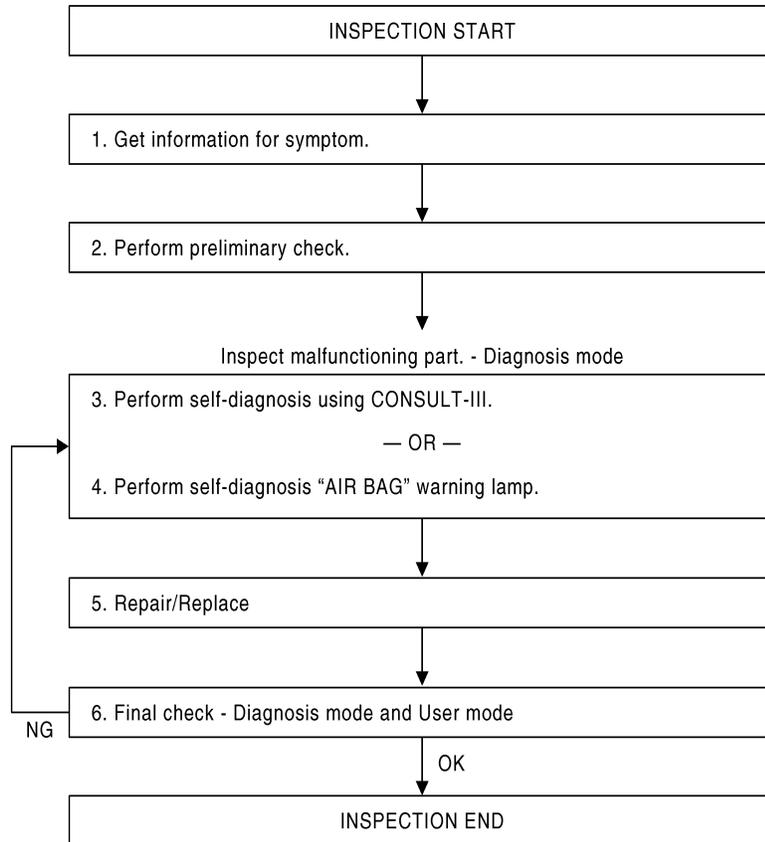
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000004534172

OVERALL SEQUENCE



JMHIA0027GB

DETAILED FLOW

1. GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

2. PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

5.REPAIR OR REPLACE

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-18, "Diagnosis Description"](#) or [SRC-20, "CONSULT-III Function"](#).

>> GO TO 6.

6.FINAL CHECK

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

NO-2 >> GO TO 4. (Without CONSULT-III)

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

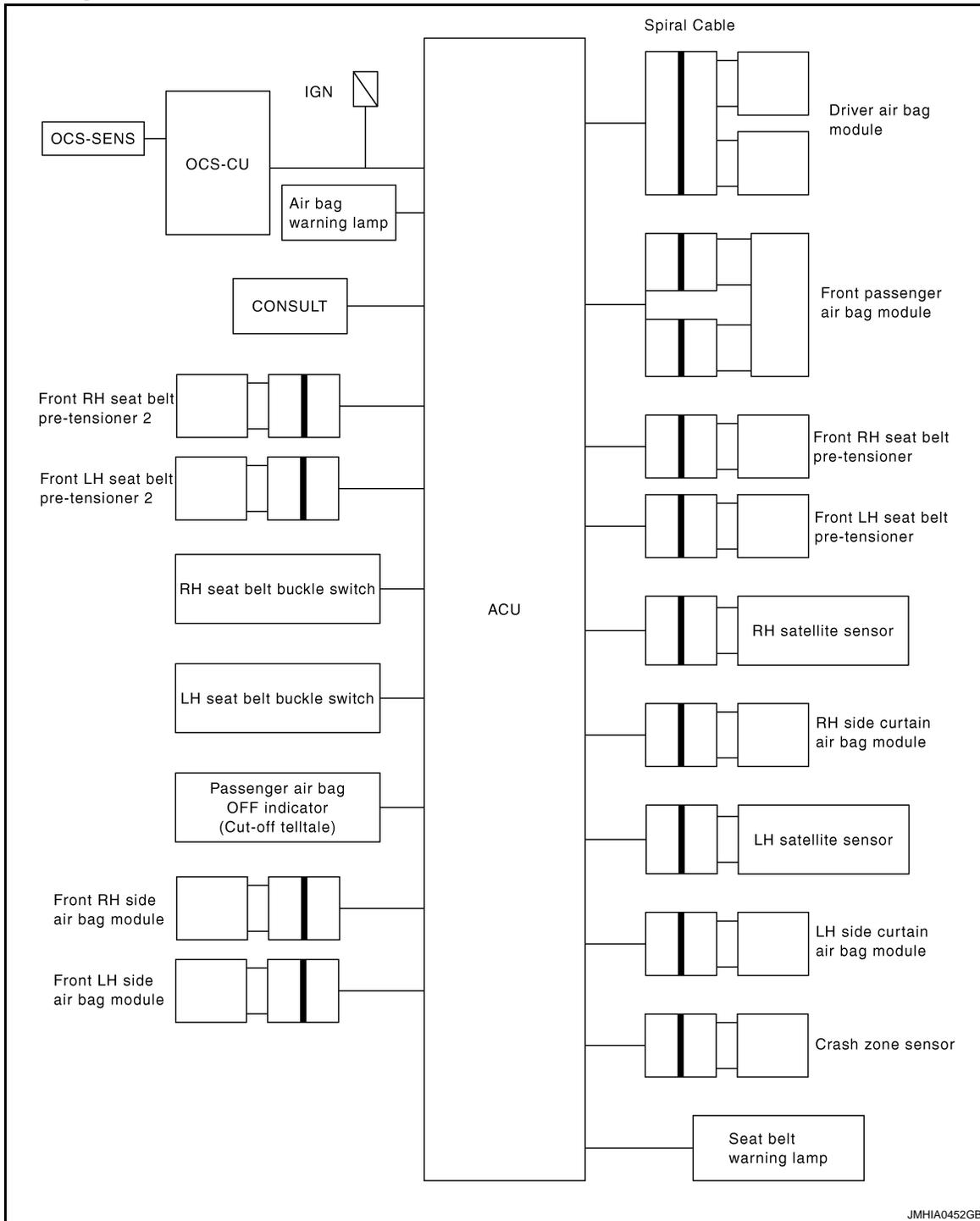
SRC

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000004236132



System Description

INFOID:000000004236133

This SRS Air Bag System has the following function.

1. Detects crash and supplies the energy for deploying air bag and seat belt pre-tensioner.
2. Detects electrical trouble in air bag system and seat belt pre-tensioner system, records trouble code, and blinking Air bag warning lamp.

SRS AIR BAG SYSTEM

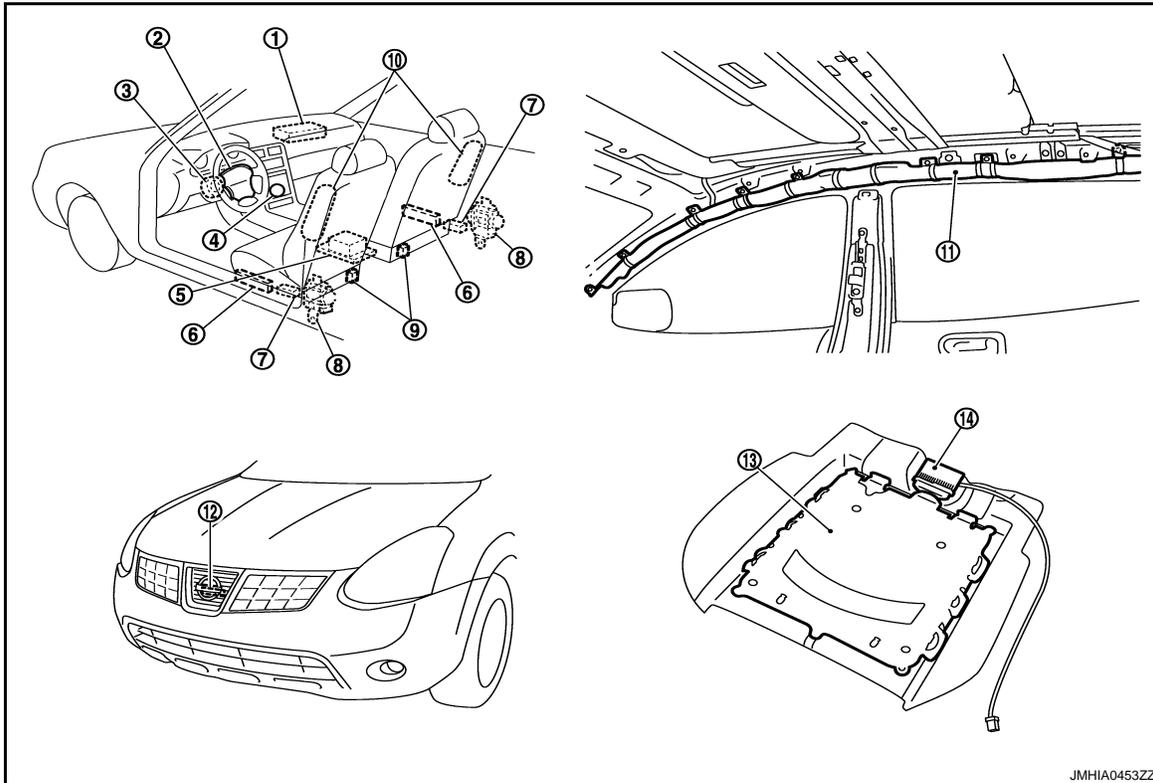
[FOR USA AND CANADA]

< FUNCTION DIAGNOSIS >

3. Detects and records the deployment of air bag and seat belt pre-tensioner, and turns on air bag warning lamp.
4. Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicate the malfunctioning record by CONSULT-III.
6. Suppress the deployment of passenger air bag when the passenger seat is empty or when occupied by turns on passenger air bag off indicator (cut-off telltale) when passenger seat is occupied with a child-seat and child. [Occupant Classification System (OCS).]
7. Turn on Seat belt warning lamp when the Occupant Classification System (OCS) option is adult or child and the passenger seat belt buckle switch is not on.

Component Parts Location

INFOID:000000004236134



- | | | |
|---|--|--|
| 1. Front passenger air bag module M62 | 2. Driver air bag module M350, M351 | 3. Combination switch (spiral cable) M32 |
| 4. Passenger air bag off indicator (Cut-off telltale) M44 | 5. Air bag diagnosis sensor unit (ACU) B13, B14, M59 | 6. Front LH/RH seat belt pre-tensioner 2 |
| 7. LH/RH Air bag (satellite) sensor | 8. Front LH/RH seat belt pre-tensioner | 9. Seat belt buckle switch |
| • LH B37 | • LH B35 | • Driver side B409 |
| • RH B30 | • RH B28 | • Passenger side B416 |
| 10. Front LH/RH side air bag module | 11. LH/RH side curtain air bag module | 12. Crash zone sensor E33 |
| • LH B16 | • LH B72 | |
| • RH B18 | • RH B56 | |
| 13. OCS seat sensor mat | 14. OCS control unit B39 | |

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

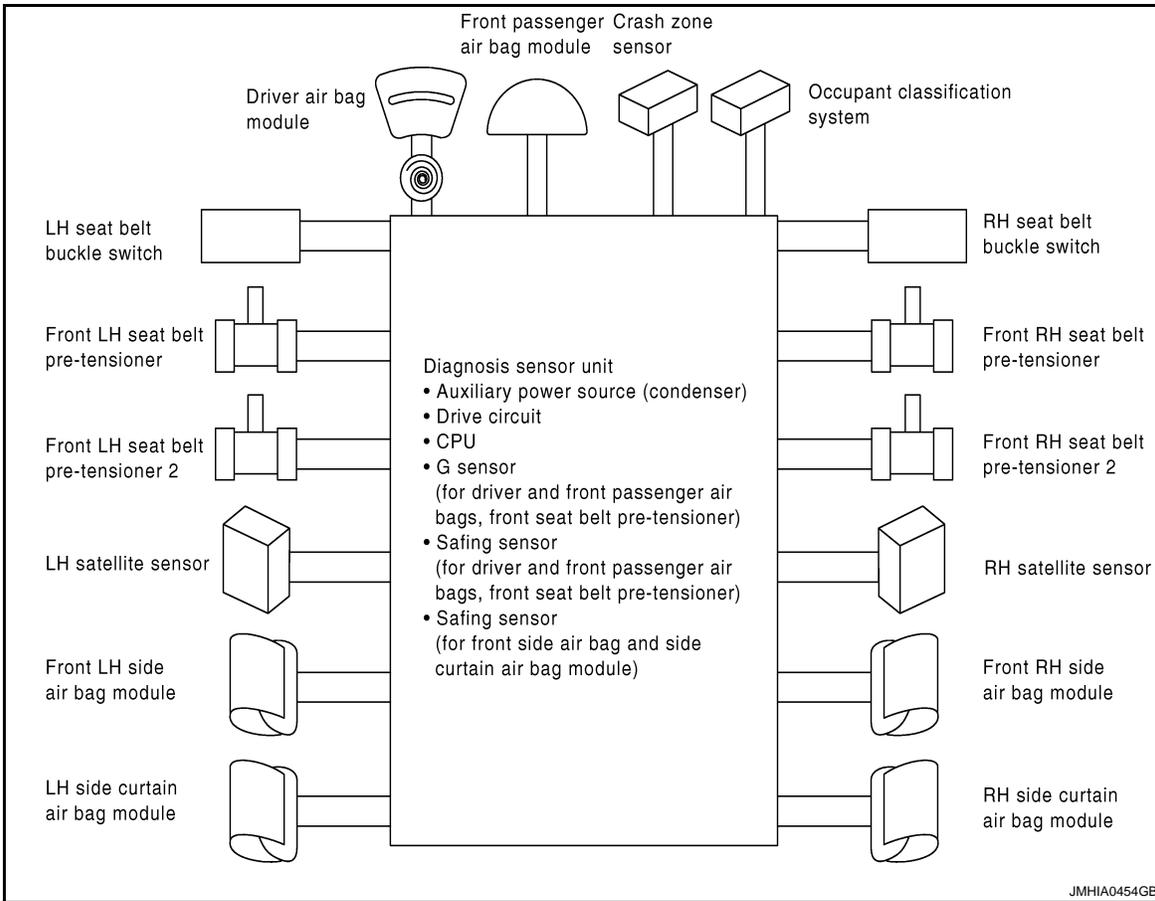
SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

Component Description

INFOID:000000004236135



- Air bag sensor are prepared for operation while the ignition switch is in the ON or START position.
- The operation of supplemental restraint system is different from collision modes applications. For example, the driver air bag module and front passenger air bag module are activated in a frontal collision but not in a side collision.
- SRS configurations which are activated for some collision modes are as follows.

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module. Refer to SRC-150	×	—	—
Front passenger air bag module. Refer to SRC-150	×	—	—
Front LH seat belt pre-tensioner. Refer to SRC-150	×	—	—
Front RH seat belt pre-tensioner. Refer to SRC-150	×	—	—
Front LH seat belt pre-tensioner 2. Refer to SRC-150	×	—	—
Front RH seat belt pre-tensioner 2. Refer to SRC-150	×	—	—
Front LH side air bag module. Refer to SRC-152	—	×	—
Front RH side air bag module. Refer to SRC-152	—	—	×
LH side curtain air bag module. Refer to SRC-152	—	×	—
RH side curtain air bag module. Refer to SRC-152	—	—	×

×: Application, —: Not application

OCCUPANT CLASSIFICATION SYSTEM

< FUNCTION DIAGNOSIS >

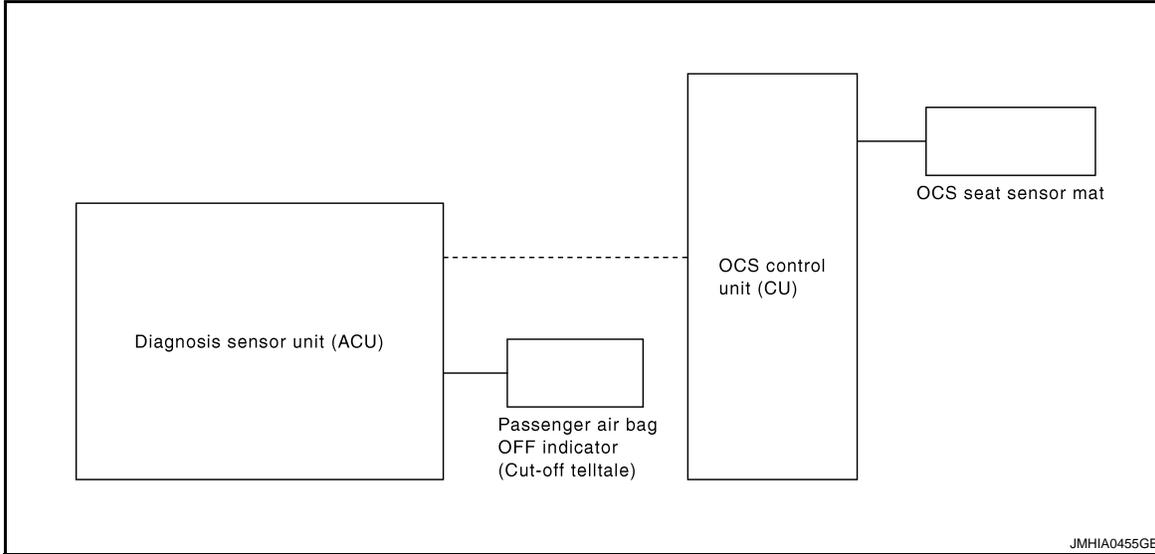
[FOR USA AND CANADA]

OCCUPANT CLASSIFICATION SYSTEM

System Diagram

INFOID:000000004236136

OCCUPANT CLASSIFICATION SYSTEM



System Description

INFOID:000000004236137

This Occupant Classification System has the following function.

1. Suppresses the deployment of passenger air bag when passenger seat is empty, or when occupied by child and child-seat. Turns on passenger air bag off indicator (cut-off telltale) when passenger seat is occupied by child-seat and child. [Occupant Classification System (OCS).]
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT-III.

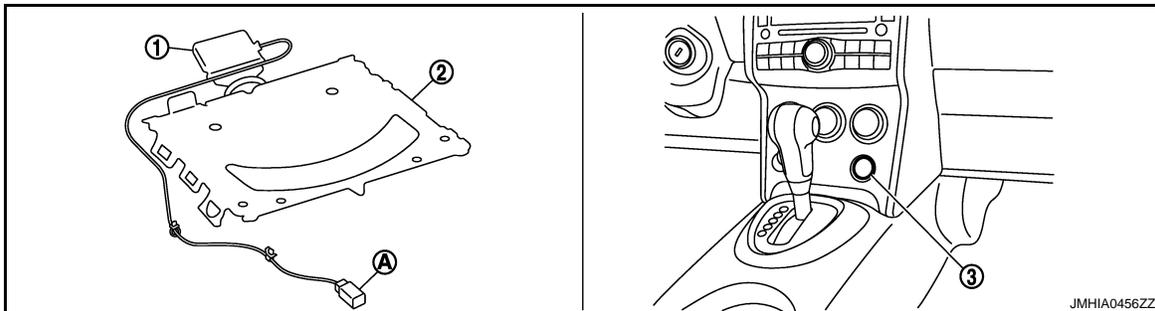
NOTE:

Operation of ACU when ACU receives information from Occupant Classification System (OCS)

Status (Front passenger seat)	Passenger Air bag	Passenger Air bag off indicator (Cut-off telltale)	Air bag warning lamp	Seat belt warning lamp (when front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Trouble	Suppress	On	Blinking	Off

Component Parts Location

INFOID:000000004236138



OCCUPANT CLASSIFICATION SYSTEM

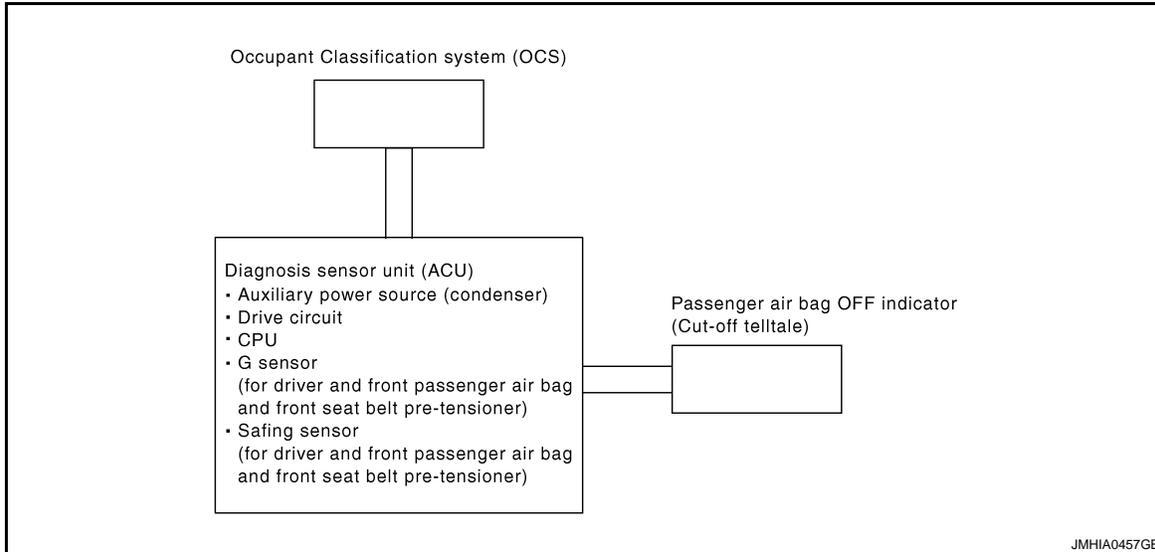
< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

1. OCS control unit B39
 2. OCS seat sensor mat
 3. Passenger air bag OFF indicator (cut-off telltale) M44
- A. OCS harness connector

Component Description

INFOID:000000004236139



Component Parts

- OCS control unit, Seat sensor mat. Refer to [SRC-32, "Description"](#).
- Passenger air bag OFF indicator (cut-off telltale). Refer to [SRC-34, "Description"](#).

PASSENGER SEAT BELT WARNING SYSTEM

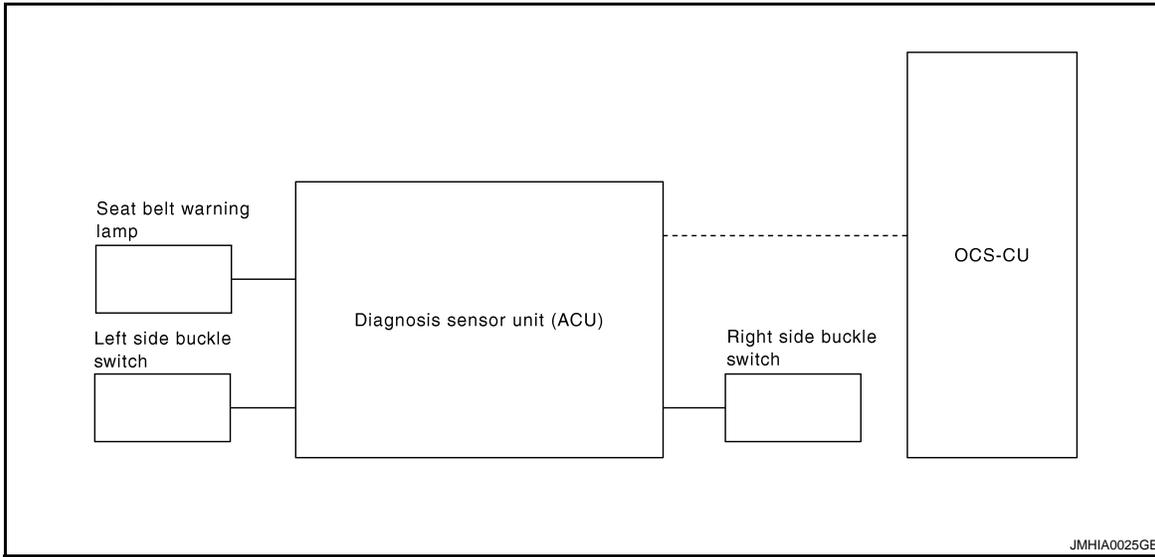
< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

INFOID:000000004236140



System Description

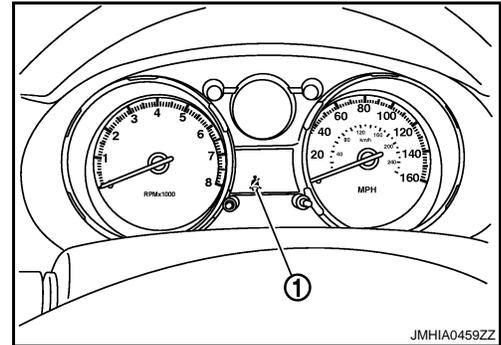
INFOID:000000004236141

This Passenger Seat Belt Warning System has the following function.

Turns ON seat belt warning lamp (1), when the OCS judges adult or child in the passenger seat and the passenger seat belt buckle switch is not on.

NOTE:

In addition, a seat belt warning lamp illuminates and a seat belt alarm sounds, when the driver seat belt buckle switch is not on, This does not relate to the air bag sensor. (Refer to BCM.)



NOTE:

Operation of ACU when ACU receives information from Occupant Classification System (OCS)

Status (Front passenger seat)	Passenger Air bag	Passenger air bag off indicator (cut-off telltale)	Air bag warning lamp	Seat belt warning lamp (When front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Trouble	Suppress	On	Blinking	Off

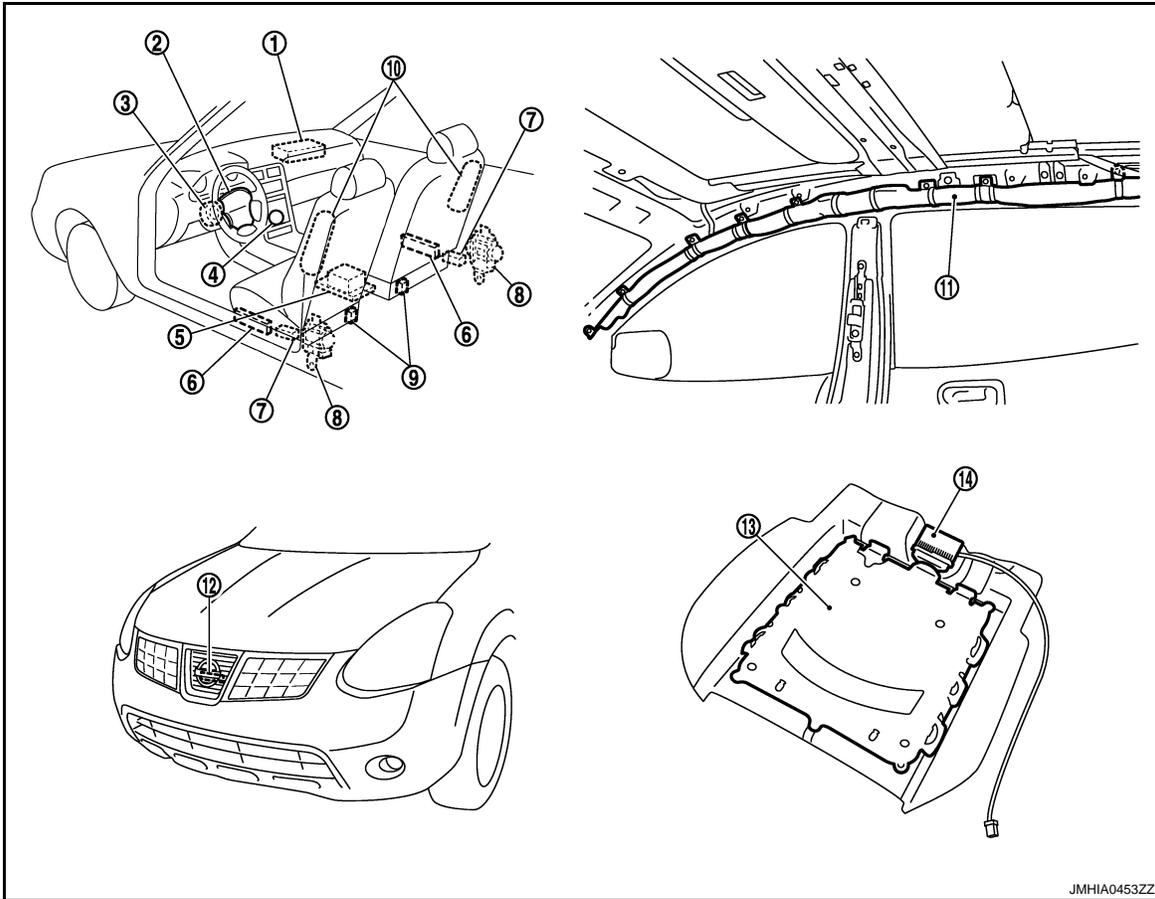
PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

Component Parts Location

INFOID:000000004534292



JMHIA0453ZZ

- | | | |
|---|--|--|
| 1. Front passenger air bag module M62 | 2. Driver air bag module M350, M351 | 3. Combination switch (spiral cable) M32 |
| 4. Passenger air bag off indicator (Cut-off telltale) M44 | 5. Air bag diagnosis sensor unit (ACU) B13, B14, M59 | 6. Front LH/RH seat belt pre-tensioner 2 |
| 7. LH/RH Air bag (satellite) sensor | 8. Front LH/RH seat belt pre-tensioner | 6. • LH B31 |
| • LH B37 | 8. • LH B35 | • RH B42 |
| • RH B30 | • RH B28 | 9. Seat belt buckle switch |
| 10. Front LH/RH side air bag module | 11. LH/RH side curtain air bag module | • Driver side B409 |
| • LH B16 | • LH B72 | • Passenger side B416 |
| • RH B18 | • RH B56 | |
| 13. OCS seat sensor mat | 14. OCS control unit B39 | 12. Crash zone sensor E33 |

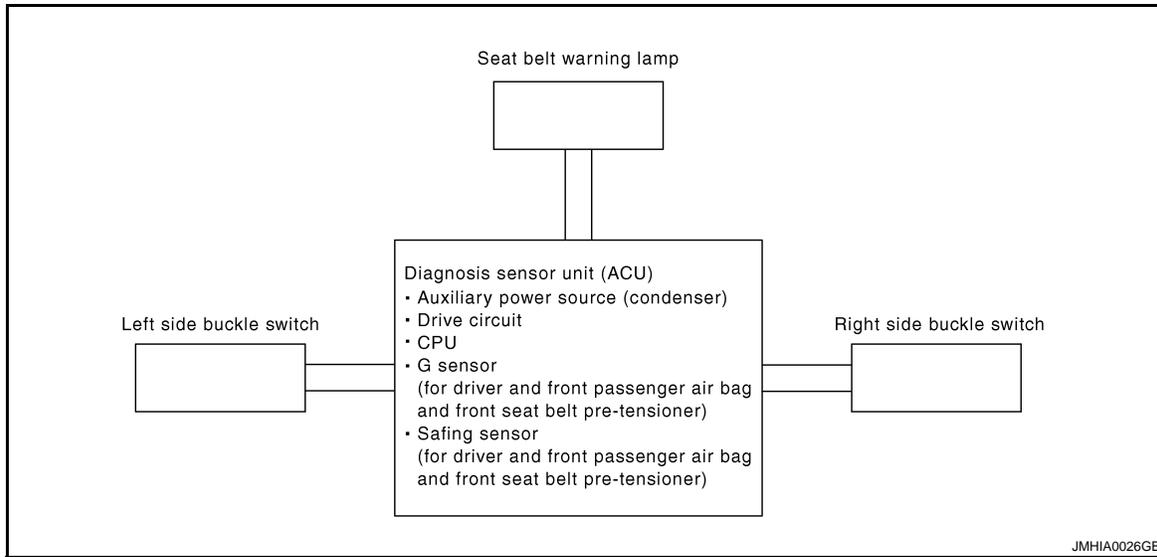
PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

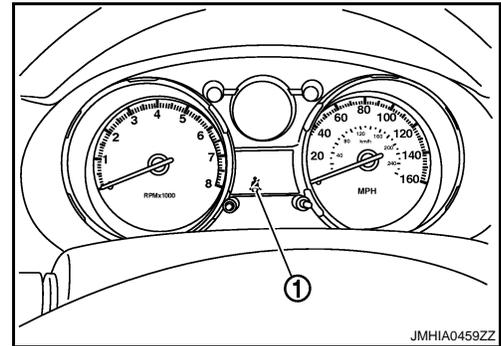
Component Description

INFOID:000000004236143



Component parts

- Seat belt warning lamp (1).
- Seat belt buckle switch.



A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000004236144

CAUTION:

- Do not use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Do not repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using “AIR BAG” warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the “AIR BAG” warning lamp.
- The Diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the “AIR BAG” warning lamp and CONSULT-III are as follows.

	User mode	Diagnosis mode	Display type
“AIR BAG” warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [SRC-163, "Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —"](#)).
- System component-to-harness connections.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

NOTE:

If the memory of the malfunction in “SELF-DIAG [PAST]” is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.

- “TROUBLE DIAG RECORD”
The memory of “TROUBLE DIAG RECORD” cannot be erased.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

DIAGNOSTIC PROCEDURE (User mode)

Checking Air bag operation according to "AIR BAG" Warning Lamp-User Mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.



Warning lamp examples (User mode)

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0011E</p>	<ul style="list-style-type: none"> • No malfunction is detected. • No further action is necessary. 	—
<p>SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated. 	Go to SRC-18, "Diagnosis Description" .

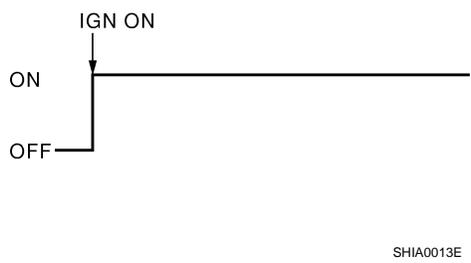
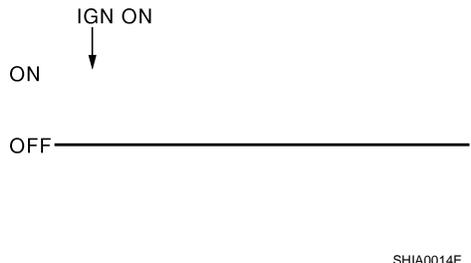
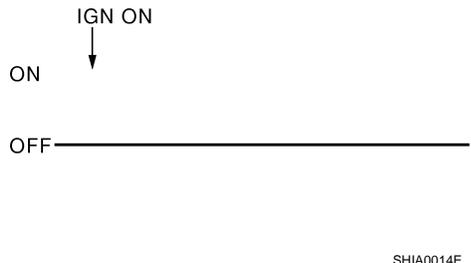
A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
 <p>SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed. Seat belt pre-tensioner is deployed. 	Go to SRC-150, "Diagnosis Procedure" or SRC-152, "Diagnosis Procedure" .
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. 	Go to SRC-170, "Diagnosis Procedure" .
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Go to SRC-170, "Diagnosis Procedure" .

DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed. (SELF-DIAG [CURRENT], [PAST], [RECORD])
ECU DISCRIMINATED No.	The part number of diagnosis sensor unit is displayed.

CONSULT-III Function

INFOID:000000004236145

DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"
A current self-diagnosis results (also indicated with the number of warning lamp blinks in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- "SELF-DIAG [PAST]"
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- "TROUBLE DIAG RECORD"
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- "ECU DISCRIMINATED NO."
The diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.
After repair, check that the discriminated number of diagnosis sensor unit installed to vehicle are the same. Refer to [SR-18, "Removal and Installation"](#).

HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

From User Mode to Diagnosis Mode

After selecting "AIR BAG" on the "SELECT SYSTEM" screen, User mode automatically changes to Diagnosis mode.

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR USA AND CANADA]

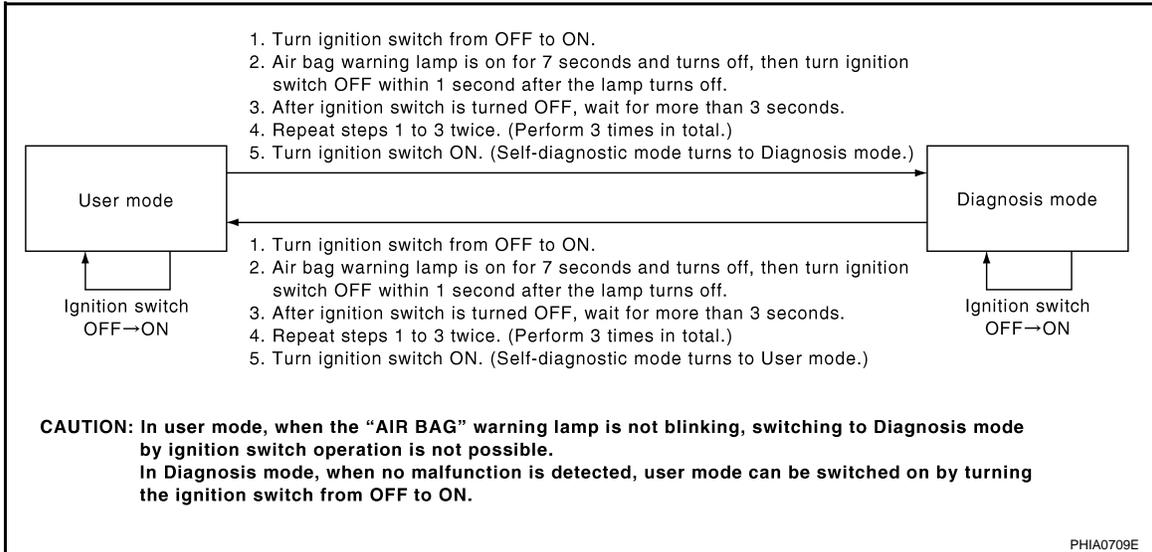
From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

COMPONENT DIAGNOSIS

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236146

DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236147

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-23. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236148

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236149

DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236150

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-25, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236151

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236152

DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236153

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-27, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236154

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1017, B1020, B1021 OCCUPANT SENS C/U

Description

INFOID:000000004236155

DTC B1017, B1020, B1021 [UNIT FAIL] OCCUPANT SENS C/U

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS air bag warning lamp report the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag control unit.

STRUCTURE

It is integrated into the seat sensor mat and detects the occupants with Occupant Classification System (OCS) control unit that classifies the occupants.

INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

DTC Logic

INFOID:000000004236156

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Trouble occurs in OCS-C/U.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in occupant classification system control unit.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-29, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236157

With CONSULTIII

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace occupant classification system control unit. (passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1018 OCCUPANT SENS

Description

INFOID:000000004236158

DTC B1018 [UNIT FAIL] OCCUPANT SENS

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

The unit classifies occupant in passenger seat and transmits it to Occupant Classification System (OCS) control unit.

STRUCTURE

Plural sensors are installed in the sensor mat to prevent incorrect sensing induced by the sitting position.

INSTALLATION

Seat sensor mat is installed in the passenger seat cushion.

DTC Logic

INFOID:000000004236159

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Trouble occurs in OCS-SENS.	<ul style="list-style-type: none"> • Disconnection of wiring harness. • Internal breakdown in occupant classification system sensor. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-31. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1018 OCCUPANT SENS

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236160

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace occupant classification system sensor. (passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1022 OCCUPANT SENS C/U

Description

INFOID:000000004236161

DTC B1022 [COMM FAIL] OCCUPANT SENS C/U

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Classification System (OCS) and transmits malfunction information to air bag control unit.

STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Classification System (OCS) control unit that classifies the occupants.

INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

DTC Logic

INFOID:000000004236162

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Trouble occurs in OCS-C/U, circuit of OCS-C/U-ACU or ACU.	<ul style="list-style-type: none"> Disconnection of wiring harness. Internal breakdown in occupant classification system control unit. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-33, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236163

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace occupant classification system control unit. (passenger side seat cushion assembly.)
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1023 PASS A/B INDCTR CKT

Description

INFOID:000000004236164

DTC B1023 PASS A/B INDCTR CKT

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on passenger air bag indicator (cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

Turns on passenger air bag indicator (cut-off telltale) when the passenger seat is empty or occupied by child-seat and child.

STRUCTURE

Passenger air bag indicator (cut-off telltale) with LED illumination.

INSTALLATION

Passenger air bag indicator (cut-off telltale) is installed at the instrument panel center.

DTC Logic

INFOID:000000004236165

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness. • Internal breakdown in passenger air bag cut-off indicator unit. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-35, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236166

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK PASSENGER AIR BAG OFF INDICATOR

1. Replace passenger air bag off indicator.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236167

DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) to ensure proper operation.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236168

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-37, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236169

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1033, B1034 CRASH ZONE SEN

Description

INFOID:000000004236170

DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When ACU define the both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000004236171

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in crash zone sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-39, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP-

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236172

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1035, B1036, B1038, B1040 CRASH ZONE SEN

Description

INFOID:000000004236173

DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor that generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000004236174

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness and open/short.• Internal breakdown in crash zone sensor.• Internal breakdown in diagnosis sensor unit (ACU).
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-41. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236175

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236176

DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236177

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-43, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236178

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1049, B1054 DRIVER AIRBAG MODULE

Description

INFOID:000000004236179

DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236180

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-45. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236181

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10	M32	30	Existed
	11		23	
M351	13		23	
	12		28	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10	Ground	Not existed
	11		
M351	13		
	12		

B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1050, B1055 DRIVER AIRBAG MODULE

Description

INFOID:000000004236182

DTC B1050, B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236183

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-48. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236184

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed
M351	13 12		23 28	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	13 12		

B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1051, B1056 DRIVER AIRBAG MODULE

Description

INFOID:000000004236185

DTC B1051, B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236186

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-51. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2. CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236187

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed
M351	13 12		23 28	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	13 12		

B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1052, B1057 DRIVER AIRBAG MODULE

Description

INFOID:000000004236188

DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236189

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-54. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2. CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236190

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed
M351	13 12		23 28	

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	13 12		

B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236191

DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236192

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-57, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236193

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1065, B1070 ASSIST A/B MODULE

Description

INFOID:000000004236194

DTC B 1065, B1070 [OPEN] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236195

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front passenger air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-59, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236196

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1066, B1071 ASSIST A/B MODULE

Description

INFOID:000000004236197

DTC B1066, B1071 [VB-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236198

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front passenger air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-61, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236199

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1067, B1072 ASSIST A/B MODULE

Description

INFOID:000000004236200

DTC B1067, B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236201

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front passenger air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-63, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236202

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1068, B1073 ASSIST A/B MODULE

Description

INFOID:000000004236203

DTC B1068, B1073 [SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236204

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front passenger air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236205

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236206

DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236207

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-67, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236208

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1081 PRE-TEN FRONT RH**Description**

INFOID:000000004236209

DTC B1081 [OPEN] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236210

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in front RH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-69. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236211

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1082 PRE-TEN FRONT RH**Description**

INFOID:000000004236212

DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236213

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-71. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236214

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1083 PRE-TEN FRONT RH**Description**

INFOID:000000004236215

DTC B1083 [GND-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236216

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-73. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236217

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1084 PRE-TEN FRONT RH**Description**

INFOID:000000004236218

DTC B1084 [SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236219

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-75. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236220

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspectiion result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1086 PRE-TEN FRONT LH

Description

INFOID:000000004236221

DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236222

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in front LH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-77. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236223

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1087 PRE-TEN FRONT LH

Description

INFOID:000000004236224

DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236225

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-79. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to SRC-154, "DTC Index".

NO >> INSPECTION END.

Diagnosis Procedure

INFOID:000000004236226

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> INSPECTION END.

NO >> Check the intermittent incident. Refer to GI-41, "Intermittent Incident".

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1088 PRE-TEN FRONT LH

Description

INFOID:000000004236227

DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236228

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-81. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236229

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1089 PRE-TEN FRONT LH

Description

INFOID:000000004236230

DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236231

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-83. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236232

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236233

DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236234

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-85, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236235

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000004236236

DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236237

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in RH satellite sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-87, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236238

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1115, B1116 SATELLITE SENS RH

Description

INFOID:000000004236239

DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236240

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in RH satellite sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-89, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236241

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000004236242

DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236243

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in LH satellite sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-91, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236244

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1120, B1121 SATELLITE SENS LH

Description

INFOID:000000004236245

DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236246

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sens is out of order.	<ul style="list-style-type: none"> • Disconnection of wiring harness. • Internal breakdown in LH satellite sens. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-93, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236247

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236248

DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236249

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-95, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236250

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1129 SIDE MODULE RH

Description

INFOID:000000004236251

DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub “G” sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seat back with fixed nuts.

DTC Logic

INFOID:000000004236252

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Front RH side air bag module circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in front RH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-97, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236253

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1130 SIDE MODULE RH

Description

INFOID:000000004236254

DTC B1130 [VB-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub “G” sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236255

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-99, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236256

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1131 SIDE MODULE RH

Description

INFOID:000000004236257

DTC B1131 [GND-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub “G” sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236258

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Front RH side air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-101, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236259

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1132 SIDE MODULE RH

Description

INFOID:000000004236260

DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub “G” sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236261

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Front RH side air bag module circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-103. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236262

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1134 SIDE MODULE LH

Description

INFOID:000000004236263

DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236264

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Front LH side air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front LH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-105, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236265

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1135 SIDE MODULE LH

Description

INFOID:000000004236266

DTC B1135 [VB-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236267

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-107, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236268

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1136 SIDE MODULE LH

Description

INFOID:000000004236269

DTC B1136 [GND-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236270

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Front LH side air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-109, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236271

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1137 SIDE MODULE LH

Description

INFOID:000000004236272

DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236273

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Front LH side air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-111, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236274

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use un specified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236275

DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236276

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-113, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236277

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1145 CURTAIN MODULE RH

Description

INFOID:000000004236278

DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236279

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in RH side curtain air bag module. • Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-115. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1145 CURTAIN MODULE RH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236280

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1146 CURTAIN MODULE RH

Description

INFOID:000000004236281

DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236282

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in RH side curtain air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-117, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1146 CURTAIN MODULE RH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236283

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1147 CURTAIN MODULE RH

Description

INFOID:000000004236284

DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236285

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in RH side curtain air bag module. • Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-119, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1147 CURTAIN MODULE RH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236286

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1148 CURTAIN MODULE RH

Description

INFOID:000000004236287

DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236288

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in RH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-121, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1148 CURTAIN MODULE RH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236289

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1150 CURTAIN MODULE LH

Description

INFOID:000000004236290

DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236291

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in LH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-123. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1150 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236292

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1151 CURTAIN MODULE LH

Description

INFOID:000000004236293

DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236294

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in LH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-125, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1151 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236295

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1152 CURTAIN MODULE LH

Description

INFOID:000000004236296

DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236297

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in LH side curtain airbag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-127, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1152 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236298

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1153 CURTAIN MODULE LH

Description

INFOID:000000004236299

DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236300

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in LH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-129, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1153 CURTAIN MODULE LH

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-154, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236301

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236302

DTC B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236303

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-131, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236304

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1177 PRE-TEN2 FRONT RH

Description

INFOID:000000004236305

DTC B1177 [OPEN] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236306

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1177	PRE-TEN2 FRONT RH [OPEN]	Front RH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in front RH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236307

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1178 PRE-TEN2 FRONT RH

Description

INFOID:000000004236308

DTC B1178 [VB-SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236309

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1178	PRE-TEN2 FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-135. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236310

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1179 PRE-TEN2 FRONT RH

Description

INFOID:000000004236311

DTC B1179 [GND-SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236312

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1179	PRE-TEN2 FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner 2 circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-137. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236313

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1180 PRE-TEN2 FRONT RH

Description

INFOID:000000004236314

DTC B1180 [SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236315

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1180	PRE-TEN2 FRONT RH [SHORT]	Front RH seat belt pre-tensioner 2 circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-139. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236316

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspectiion result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1182 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1182 PRE-TEN2 FRONT LH

Description

INFOID:000000004236317

DTC B1182 [OPEN] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236318

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1182	PRE-TEN2 FRONT LH [OPEN]	Front LH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front LH seat belt pre-tensioner 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-141. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236319

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1183 PRE-TEN2 FRONT LH

Description

INFOID:000000004236320

DTC B1183 [VB-SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236321

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1183	PRE-TEN2 FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-143. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236322

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1184 PRE-TEN2 FRONT LH

Description

INFOID:000000004236323

DTC B1184 [GND-SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236324

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1184	PRE-TEN2 FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner 2 circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH seat belt pre-tensioner 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-145. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236325

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1185 PRE-TEN2 FRONT LH**Description**

INFOID:000000004236326

DTC B1185 [SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236327

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1185	PRE-TEN2 FRONT LH [SHORT]	Front LH seat belt pre-tensioner 2 circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-147. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236328

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236329

DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236330

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-149, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-154, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236331

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000004236332

DTC B1209 FRONTAL COLLISION DETECTION

Detects component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The air bag and seat belt pre-tensioners for driver and front seat passenger are operated by the decision of the diagnosis sensor unit (ACU) out signal transmitted because of the frontal collision.

STRUCTURE

It consists of crash zone sensor, diagnosis sensor unit (ACU), air bags and seat belt pre-tensioners for driver and front passenger.

INSTALLATION

Refer to [SR-14, "Removal and Installation"](#), [SR-18, "Removal and Installation"](#), [SR-5, "Removal and Installation"](#), [SR-10, "Removal and Installation"](#), [SB-6, "SEAT BELT RETRACTOR : Removal and Installation"](#).

DTC Logic

INFOID:000000004236333

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed.	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-150, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236334

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK FRONT AIR BAG MODULE

B1209 FRONTAL COLLISION DETECTION

[FOR USA AND CANADA]

< COMPONENT DIAGNOSIS >

Check front air bag module. (driver air bag module and/or passenger air bag module.)

Is the front air bag module deployed?

YES >> Replace front air bag module. Refer to [SR-5, "Removal and Installation"](#) or [SR-10, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

YES >> Replace front seat belt pre-tensioner. Refer to [SR-20, "Removal and Installation"](#).

NO >> GO TO 3.

3.CHECK DIAGNOSIS SENSOR UNIT

Check diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-18, "Removal and Installation"](#).

NO >> GO TO 4.

4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

YES >> GO TO 5.

NO >> Replace steering wheel.

5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-45, "Diagnosis Procedure"](#).
2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace spiral cable. Refer to [SR-8, "Removal and Installation"](#).

6.CHECK WIRING HARNESS

Check wiring harness.

Is the wiring harness normal?

YES >> GO TO 7.

NO >> Repair or replace wiring harness/harness connector.

7.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000004236335

DTC B1210 SIDE COLLISION DETECTION

Detects component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The side air bag and curtain air bag are operated by the decision of the diagnosis sensor unit (ACU) signal of the side collision.

STRUCTURE

It consists of satellite sensor, diagnosis sensor unit (ACU), front side air bag and side curtain air bag.

INSTALLATION

Refer to [SR-16. "Removal and Installation"](#), [SR-18. "Removal and Installation"](#), [SR-12. "Removal and Installation"](#).

DTC Logic

INFOID:000000004236336

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed.	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-152. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236337

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK FRONT SIDE AIR BAG MODULE

Check for front side air bag module.

Is the front side air bag module deployed?

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR USA AND CANADA]

- YES >> Replace front side air bag module.
- NO >> GO TO 2.

A

2.CHECK SIDE CURTAIN AIR BAG MODULE

Check for side curtain air bag module.

B

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module. Refer to [SR-12, "Removal and Installation"](#).
- NO >> GO TO 3.

C

3.CHECK SATELLITE SENSOR

Check for satellite sensor.

D

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace satellite sensor. Refer to [SR-16, "Removal and Installation"](#).
- NO >> GO TO 4.

E

4.CHECK DIAGNOSIS SENSOR UNIT

Check for diagnosis sensor unit.

F

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace diagnosis sensor unit (ACU). [SR-18, "Removal and Installation"](#).
- NO >> GO TO 5.

5.FINAL CHECK

G

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

SRC

I

J

K

L

M

N

O

P

ECU DIAGNOSIS

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000004236338

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in User mode.	Low battery voltage (Less than 9 V) <ul style="list-style-type: none"> Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Intermittent malfunction has been detected in the past. 	— Go to SRC-18, "Diagnosis Description" .
	No malfunction is detected.	—	
CONTROL UNIT [B1001-B1015]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	Trouble occurs in OCS-CU.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU). 	
OCCUPANT SENS [UNIT FAIL] [B1018]	Trouble occurs in OCS-SENS.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU). 	
OCCUPANT SENS C/U [COMM FAIL] [B1022]	Trouble occurs in OCS-CU, circuit of OCS-CU~ACU, or ACU.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU). 	
PASS A/B INDCTR CKT [B1023]	Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace passenger air bag off indicator. 3. Replace diagnosis sensor unit (ACU). 	
CONTROL UNIT [B1026-B1031]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036] [OPEN/UPR-VB- SHORT] [B1038] [SHORT/UPR-GND- SHORT] [B1040]	Crash zone sensor is out of order.	1. Repair or replace wiring harness / harness connector. 2. Replace crash zone sensor. 3. Replace diagnosis sensor unit (ACU).	B C D E
CONTROL UNIT [B1042-B1047]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	F
DRIVER AIRBAG MOD- ULE [OPEN] [B1049] [B1054]	Driver air bag module circuit is open. (including the spiral cable.)	1. Repair or replace wiring harness/ harness connector. 2. Replace driver air bag module. 3. Replace spiral cable. Refer to SRC-45. "Diagnosis Procedure" .	G
DRIVER AIRBAG MOD- ULE [VB-SHORT] [B1050] [B1055]	Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.)	4. Replace diagnosis sensor unit (ACU).	I
DRIVER AIRBAG MOD- ULE [GND-SHORT] [B1051] [B1056]	Driver air bag module circuit is shorted to ground. (including the spiral cable.)		J
DRIVER AIRBAG MOD- ULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> • Driver air bag module circuits are shorted to each other. (including spiral cable.) • Driver air bag module circuit is shorted to itself. 		K
CONTROL UNIT [B1058-B1063]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	L
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	Front passenger air bag module circuit is open.	1. Repair or replace wiring harness/ harness connector. 2. Replace front passenger air bag module.	M
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	Front passenger air bag module circuit is shorted to some power supply circuit.	3. Replace diagnosis sensor unit (ACU).	N
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	Front passenger air bag module circuit is shorted to ground.		O
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	<ul style="list-style-type: none"> • Front passenger air bag module circuits are shorted to each other. • Front passenger air bag module circuit is shorted to itself. 		P
CONTROL UNIT [B1074-B1079]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
PRE-TEN FRONT RH [OPEN] [B1081]	Front RH seat belt pre-tensioner circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH seat belt pre-tensioner. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN FRONT RH [VB-SHORT] [B1082]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT] [B1083]	Front RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> • Front RH seat belt pre-tensioner circuits are shorted to each other. • Front RH seat belt pre-tensioner circuit is shorted to itself. 	
PRE-TEN FRONT LH [OPEN] [B1086]	Front LH seat belt pre-tensioner circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH seat belt pre-tensioner. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN FRONT LH [VB-SHORT] [B1087]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit.	
PRE-TEN FRONT LH [GND-SHORT] [B1088]	Front LH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner circuits are shorted to each other. • Front LH seat belt pre-tensioner circuit is shorted to itself. 	
CONTROL UNIT [B1106-B1111]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	RH satellite sensor is out of order.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace RH satellite sensor. 3. Replace diagnosis sensor unit (ACU).
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	LH satellite sensor is out of order.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace LH satellite sensor. 3. Replace diagnosis sensor unit (ACU).
CONTROL UNIT [B1122-B1127]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
SIDE MODULE RH [OPEN] [B1129]	Front RH side air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH side air bag module. 3. Replace diagnosis sensor unit (ACU). 	A
SIDE MODULE RH [VB-SHORT] [B1130]	Front RH side air bag module circuit is shorted to some power supply circuit.		B
SIDE MODULE RH [GND-SHORT] [B1131]	Front RH side air bag module circuit is shorted to ground.		C
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner circuits are shorted to each other. • Front LH seat belt pre-tensioner circuit is shorted to itself. 		D
SIDE MODULE LH [OPEN] [B1134]	Front LH side air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH side air bag module. 3. Replace diagnosis sensor unit (ACU). 	E
SIDE MODULE LH [VB-SHORT] [B1135]	Front LH side air bag module circuit is shorted to some power supply circuit.		F
SIDE MODULE LH [GND-SHORT] [B1136]	Front LH side air bag module circuit is shorted to ground.		G
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> • Front LH side air bag module circuits are shorted to each other. • Front LH side air bag module circuit is shorted to itself. 		H
CONTROL UNIT [B1138-B1143]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	I
CURTAIN MODULE RH [OPEN] [B1145]	RH side curtain air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace RH side curtain air bag module. 3. Replace diagnosis sensor unit (ACU). 	J
CURTAIN MODULE RH [VB-SHORT] [B1146]	RH side curtain air bag module circuit is shorted to some power supply circuit.		K
CURTAIN MODULE RH [GND-SHORT] [B1147]	RH side curtain air bag module circuit is shorted to ground.		L
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> • RH side curtain air bag module circuits are shorted to each other. • RH side curtain air bag module circuit is shorted to itself. 		M
CURTAIN MODULE LH [OPEN] [B1150]	LH side curtain air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace LH side curtain air bag module. 3. Replace diagnosis sensor unit (ACU). 	N
CURTAIN MODULE LH [VB-SHORT] [B1151]	LH side curtain air bag module circuit is shorted to some power supply circuits.		O
CURTAIN MODULE LH [GND-SHORT] [B1152]	LH side curtain air bag module circuit is shorted to ground.		P
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> • LH side curtain air bag module circuits are shorted to each other. • LH side curtain air bag module circuit is shorted to itself. 		P
CONTROL UNIT [B1170-B1175]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
PRE-TEN2 FRONT RH [OPEN] [B1177]	Front RH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH seat belt pre-tensioner 2. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN2 FRONT RH [VB-SHORT] [B1178]	Front RH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	
PRE-TEN2 FRONT RH [GND-SHORT] [B1179]	Front RH seat belt pre-tensioner 2 circuit is shorted to ground.	
PRE-TEN2 FRONT RH [SHORT] [B1180]	<ul style="list-style-type: none"> • Front RH seat belt pre-tensioner 2 circuits are shorted to each other. • Front RH seat belt pre-tensioner 2 circuit is shorted to itself. 	
PRE-TEN2 FRONT LH [OPEN] [B1182]	Front LH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH seat belt pre-tensioner 2. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN2 FRONT LH [VB-SHORT] [B1183]	Front LH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	
PRE-TEN2 FRONT LH [GND-SHORT] [B1184]	Front LH seat belt pre-tensioner 2 circuit is shorted to ground.	
PRE-TEN2 FRONT LH [SHORT] [B1185]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner 2 circuits are shorted to each other. • Front LH seat belt pre-tensioner 2 circuit is shorted to itself. 	
CONTROL UNIT [B1202-B1207]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
FRONTAL COLLISION DETECTION [B1209]	Seat belt pre-tensioner and front air bag is deployed.	Go to SRC-150, "Diagnosis Procedure" .
SIDE COLLISION DE- TECTION [B1210]	Side and curtain air bag is deployed.	Go to SRC-152, "Diagnosis Procedure" .

WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<p><Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.></p>	
<p>Flash pattern</p> <p>a through b are repeated.</p> <p>IGN ON</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

PHIA0532E

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> 1. Replace the diagnosis sensor unit (ACU).

JMHIA0034GB

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0045GB

<Front passenger air bag off indicator>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator unit. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0046GB

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the diagnosis sensor unit.

JMHIA0036GB

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the diagnosis sensor unit (ACU).

JMHIA0033GB

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0035GB

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0037GB

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0038GB

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0039GB

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0040GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH side air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0041GB

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH side air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0042GB

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0043GB

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0044GB

<Front RH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0223GB

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

<Front LH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0222GB

DIAGNOSIS SENSOR UNIT

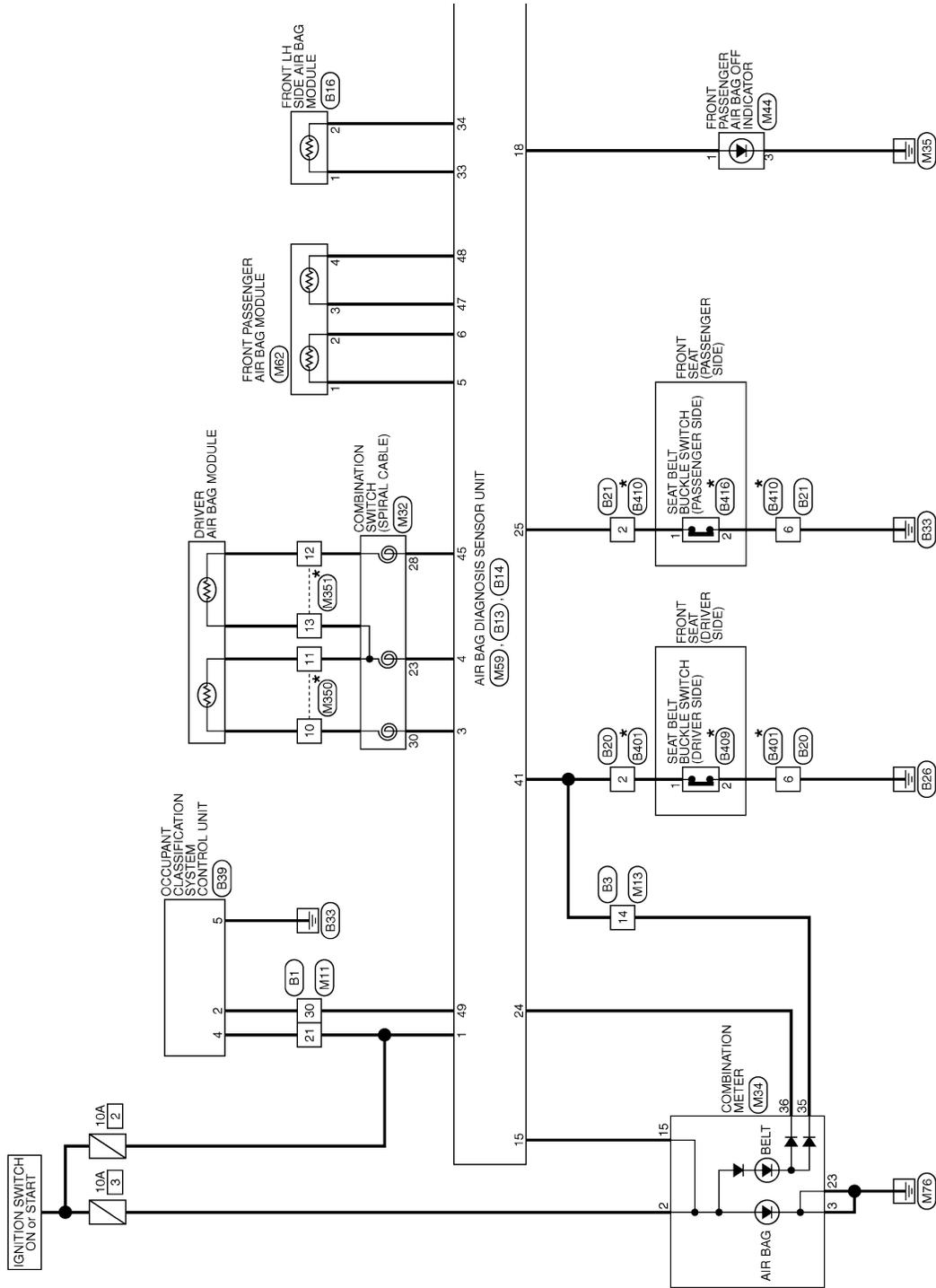
[FOR USA AND CANADA]

< ECU DIAGNOSIS >

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000004236339

SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)



*: This connector is not shown in "Harness Layout".

2008/07/15

JCHWM0313GI

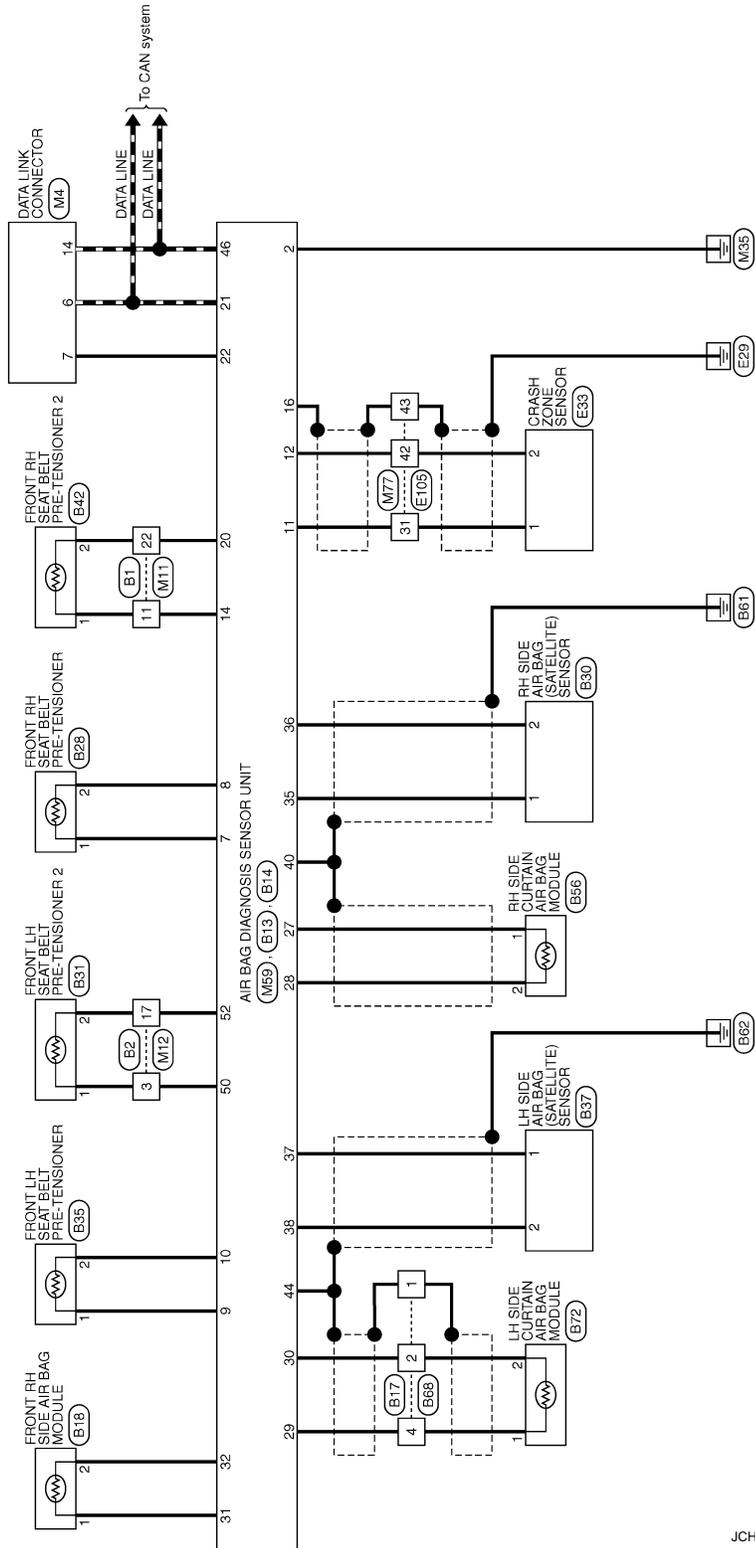
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]



JCHWM0314GI

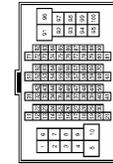
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH20MW-CS1.6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
11	P	-
21	R	-
22	GR	-
30	V	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	P	-
17	O	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH22MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
14	BR	-

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



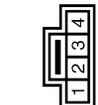
Terminal No.	Color of Wire	Signal Name [Specification]
7	O	ELR RH+
8	V	ELR RH-
25	LG	BUCKLE SW RH
27	R	INF CURTAIN RR RH+
28	W	INF CURTAIN RR RH-
31	W	SIDE INF RH+
32	L	SIDE INF RH-
35	BR	SIDE SENS RH+
36	Y	SIDE SENS RH-
40	SHIELD	GND [For North America]

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	SB	ELR LH-
28	LG	INF CURTAIN RR LH+
30	V	INF CURTAIN RR LH-
33	W	SIDE INF LH+
34	L	SIDE INF LH-
37	G	SIDE SENS LH+
38	R	SIDE SENS LH-
41	BR	BUCKLE SW LH
44	SHIELD	GND [For North America]

Connector No.	B17
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	V	-
4	LG	-

Connector No.	B18
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

JCHWM0315G1

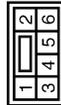
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

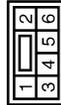
SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)

Connector No.	B20
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
6	B	-

Connector No.	B21
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	-
6	B	-

Connector No.	B28
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	B31
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	O	-

Connector No.	B35
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



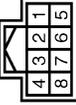
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	B39
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TR08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

JCHWM0316G1

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)

Connector No.	B42
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	TK04FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	V	-
4	LG	-

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-

Connector No.	B401
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	W/G	-
6	GR	-

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/G	-
2	GR	-

Connector No.	B410
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	W/G	-
6	GR	-

Connector No.	B418
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/G	-
2	GR	-

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

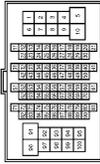
SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)

Connector No.	E33
Connector Name	GRASH ZONE SENSOR
Connector Type	TK02FY-1V-EX



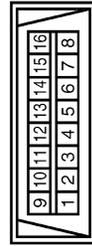
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



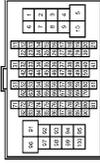
Terminal No.	Color of Wire	Signal Name [Specification]
31	BR	-
42	Y	-
43	SHIELD	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
7	O	-
14	P	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
21	R	-
22	GR	-
30	V	-

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	P	-
17	SB	-

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
14	O	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/R	-
28	Y/G	-
30	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GND2(POWER)
15	LG	AIR BAG
23	B	GND3(CIRCUIT)
35	O	SEAT BELT BUCKLE SW (DRIVER SIDE)
36	G	SEAT BELT BUCKLE SW (PASSENGER SIDE)

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM (WITH ADVANCED AIR BAG)

Connector No.	M44
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TKG8FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	B	-

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (WITH ADVANCED AIR BAG)
Connector Type	TKZ8FY-EK-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DRT+
4	Y/R	INFLATOR DRL+&DR2-
5	Y/G	INFLATOR ASI+
6	Y/B	INFLATOR ASI-
11	W	ECZS+
12	O	ECZS-
14	BR	ELR2 RH+
15	LG	A/B W/L
16	SHIELD	GND

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

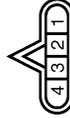


Terminal No.	Color of Wire	Signal Name [Specification]
31	W	-
42	O	-
43	SHIELD	-

Terminal No.	Color of Wire	Signal Name [Specification]
18	GR	A, B CUTOFF TELLTALE
20	GR	ELR2 RH-
21	L	CAN LH
22	L	K-LINE
24	G	SEATBELT W/L
45	Y/G	INFLATOR DR2-
46	P	CAN LO
47	Y	INFLATOR AS2-
48	Y/R	INFLATOR AS2+
49	V	ODS INPUT
50	P	ELR2 LH+
52	SB	ELR2 LH-

Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
2	Y/B	-
3	Y	-
4	Y/R	-

Connector No.	M82
Connector Name	FRONT PASSENGER AIR BAG MODULE (WITH ADVANCED AIR BAG)
Connector Type	FKG3FY-BD



Connector No.	M351
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
12	-	-
13	-	-

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000004236340

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to or [SRC-150, "Diagnosis Procedure"](#) or [SRC-152, "Diagnosis Procedure"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-88, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace diagnosis sensor unit (ACU). Refer to [SR-18, "Exploded View"](#).

5. CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000004236341

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-88, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between diagnosis sensor unit and combination meter.

2. Disconnect diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-18, "Exploded View"](#).

NO >> Replace combination meter assembly. Refer to [MWI-86, "Exploded View"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

Diagnosis Procedure

INFOID:000000004236342

1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Sea tbelt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is not fasten.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the followings.

- Harness between air bag diagnosis sensor unit and combination meter.
- Seat belt buckle switch (passenger side) circuit.
- Seat belt buckle switch (passenger side).

If these are OK, replace air bag diagnosis sensor unit.

2.CHECK THE SYSTEM 2

Check the seat belt warning lamp function.

Seat belt warning lamp turns OFF in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

- Seat belt buckle switch (passenger side) circuit.
- Seat belt buckle switch (passenger side).

If these are OK, replace air bag diagnosis sensor unit.

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000004236343

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

Service

INFOID:000000004236344

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Occupant Classification System Precaution

INFOID:000000004236345

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-27, "Removal and Installation"](#).

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

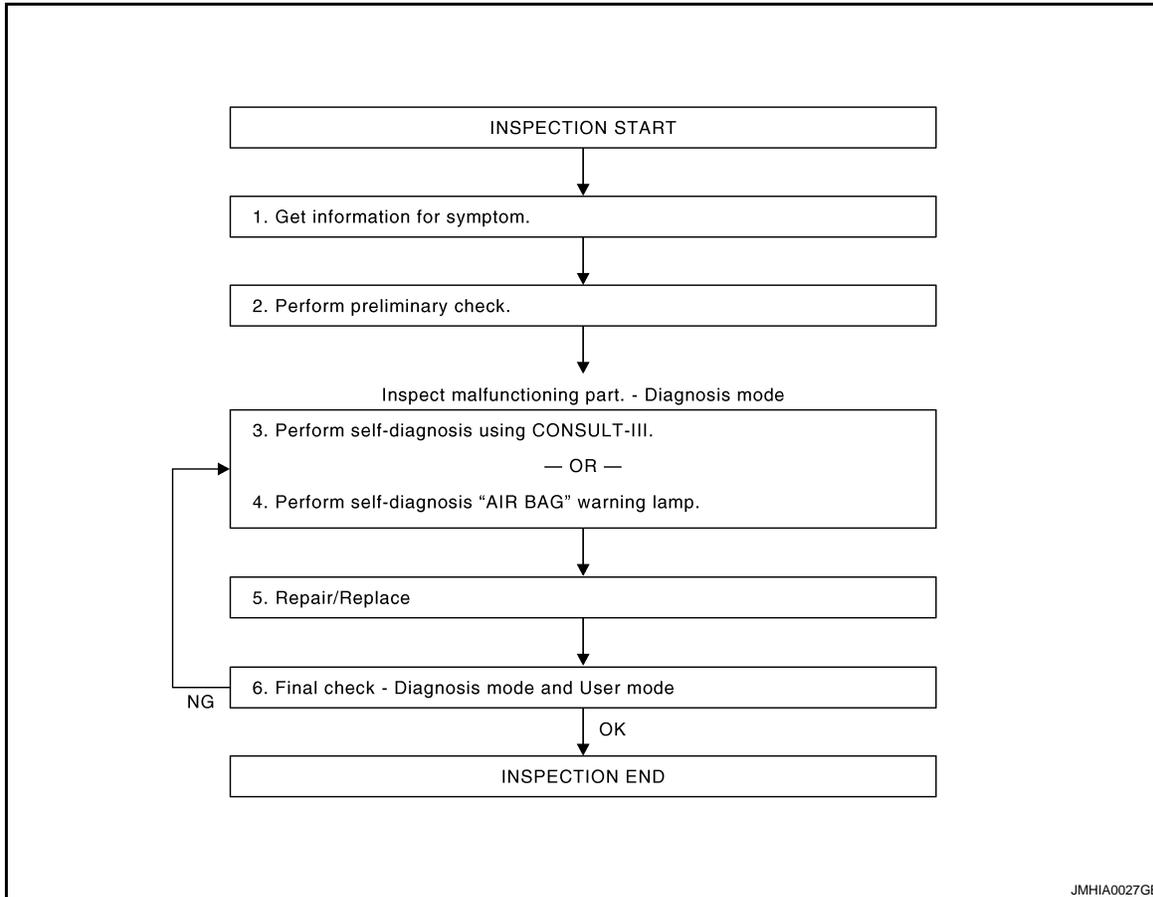
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000004534173

OVERALL SEQUENCE



JMHA0027GB

DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

2.PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR MEXICO]

4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

5.REPAIR OR REPLACE

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-179. "Diagnosis Description"](#) or [SRC-181. "CONSULT-III Function"](#).

>> GO TO 6.

6.FINAL CHECK

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

NO-2 >> GO TO 4. (Without CONSULT-III)

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

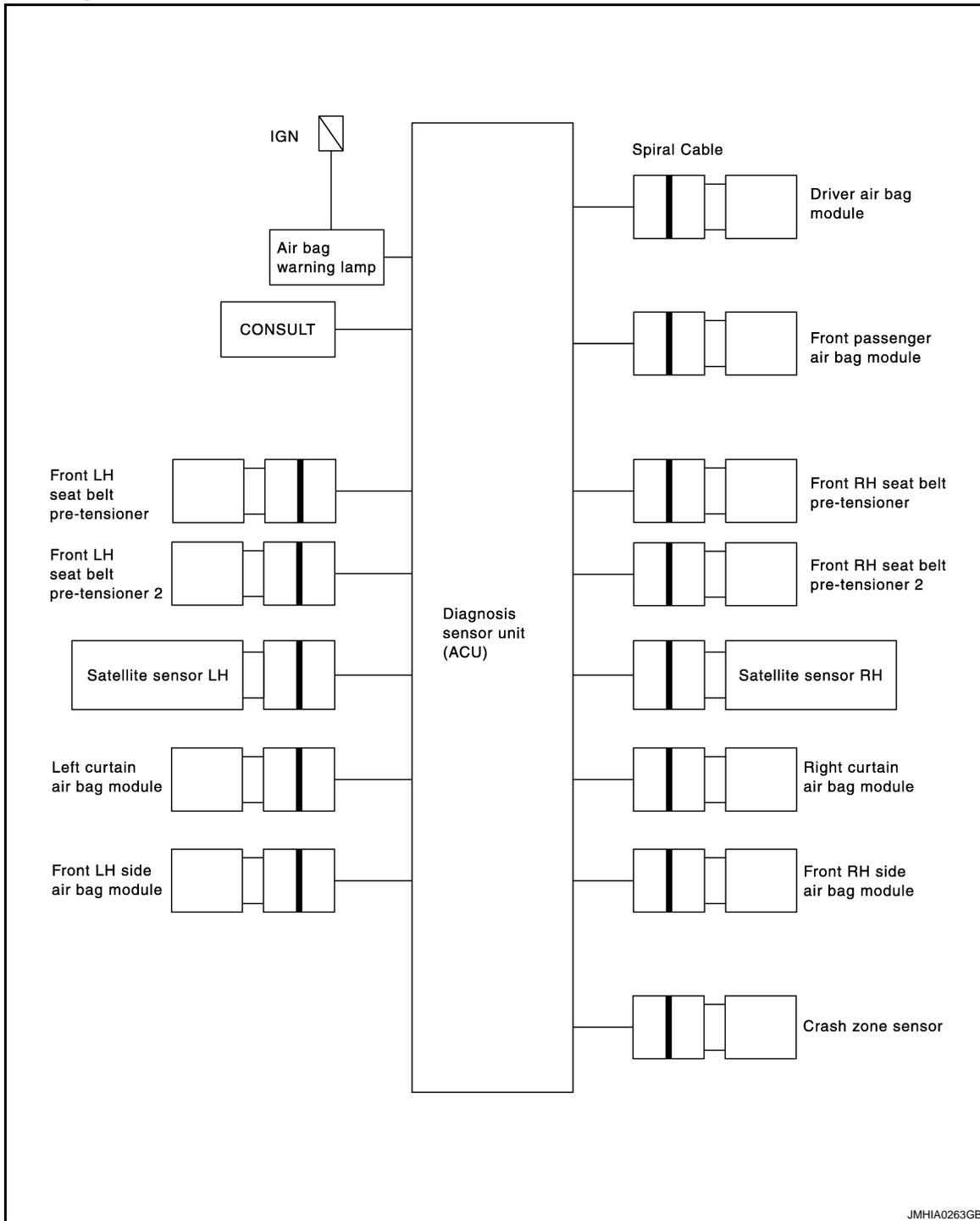
SRC

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000004236347



JMHIA0263GB

System Description

INFOID:000000004236348

This SRS Air Bag System has the following function.

1. Detects crash and supplies the energy for deploying air bag and seat belt pre-tensioner.
2. Detects electrical trouble in air bag system and seat belt pre-tensioner system, records trouble code, and blinking Air bag warning lamp.

SRS AIR BAG SYSTEM

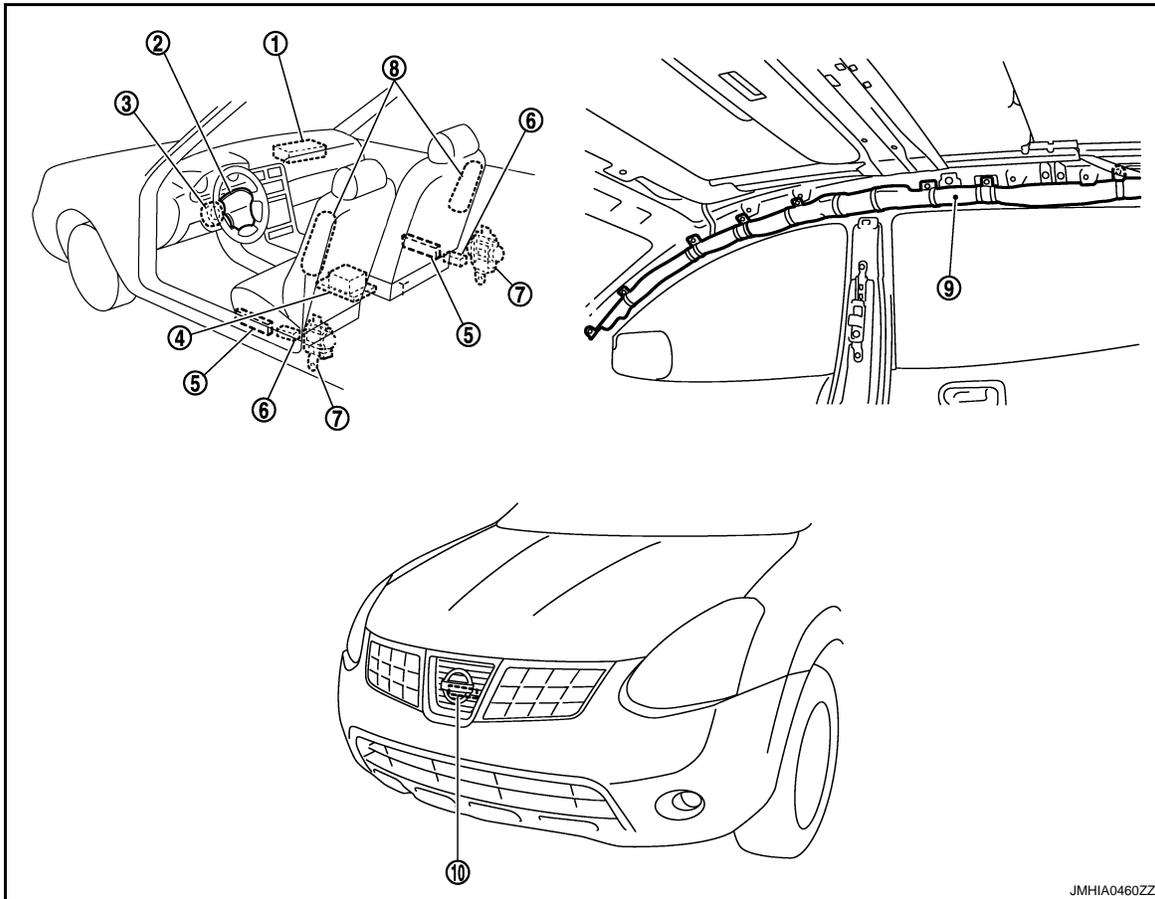
[FOR MEXICO]

< FUNCTION DIAGNOSIS >

3. Detects and records the deployment of air bag and seat belt pre-tensioner, and turns on air bag warning lamp.
4. Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicate the malfunctioning record by CONSULT-III.

Component Parts Location

INFOID:000000004534303



- | | | |
|--|--|--|
| 1. Front passenger air bag module M70 | 2. Driver air bag module M350 | 3. Combination switch (spiral cable) M32 |
| 4. Air bag diagnosis sensor unit (ACU) B13, B14, M60 | 5. Front LH/RH seat belt pre-tensioner 2
• LH B31
• RH B42 | 6. LH/RH Air bag (satellite) sensor
• LH B37
• RH B30 |
| 7. Front LH/RH seat belt pre-tensioner
• LH B35
• RH B28 | 8. Front LH/RH side air bag module
• LH B16
• RH B18 | 9. LH/RH side curtain air bag module
• LH B72
• RH B56 |
| 10. Crash zone sensor E33 | | |

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

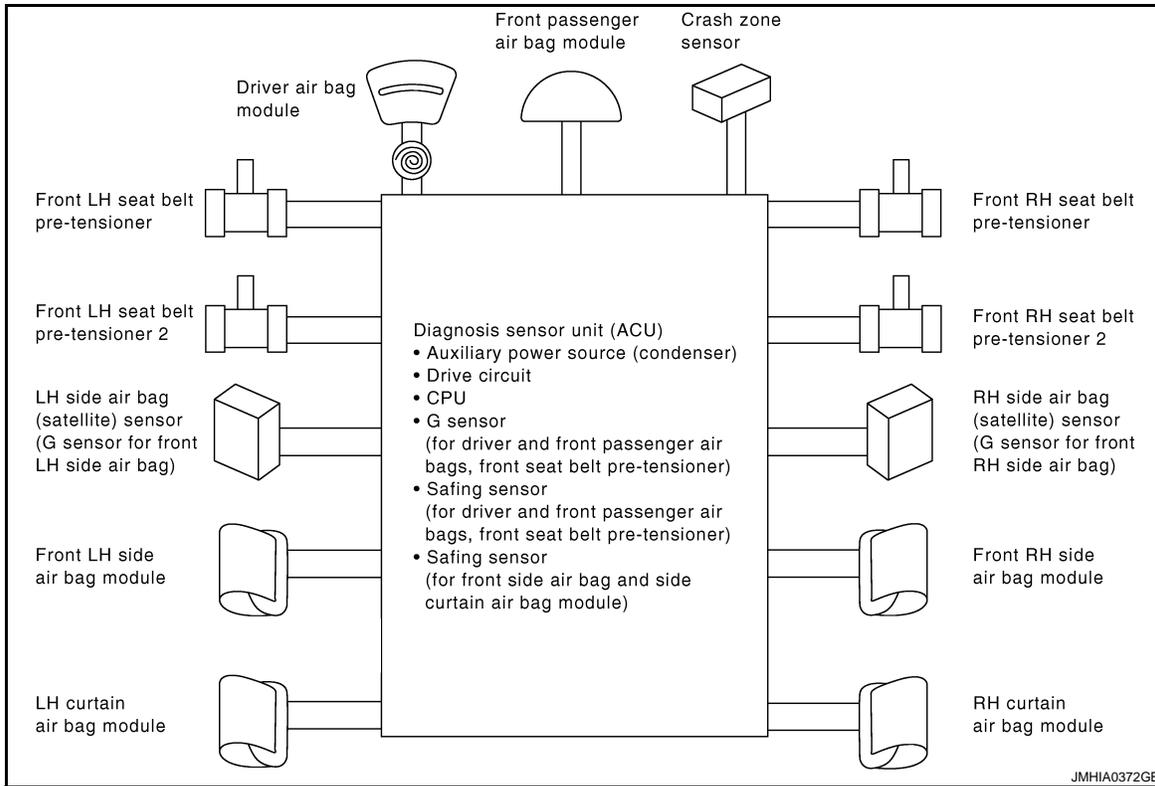
SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

Component Description

INFOID:000000004236350



- Air bag sensor are prepared for operation while the ignition switch is in the ON or START position.
- The operation of supplemental restraint system is different from collision modes applications. For example, the driver air bag module and front passenger air bag module are activated in a frontal collision but not in a side collision.
- SRS configurations which are activated for some collision modes are as follows.

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module. Refer to SRC-299	×	—	—
Front passenger air bag module. Refer to SRC-299	×	—	—
Front LH seat belt pre-tensioner. Refer to SRC-299	×	—	—
Front RH seat belt pre-tensioner. Refer to SRC-299	×	—	—
Front LH seat belt pre-tensioner 2. Refer to SRC-299	×	—	—
Front RH seat belt pre-tensioner 2. Refer to SRC-299	×	—	—
Front LH side air bag module. Refer to SRC-301	—	×	—
Front RH side air bag module. Refer to SRC-301	—	—	×
LH side curtain air bag module. Refer to SRC-301	—	×	—
RH side curtain air bag module. Refer to SRC-301	—	—	×

×: Application, —: Not application

DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000004236351

CAUTION:

- Do not use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
- Do not repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
- Keep ground portion clean.

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using “AIR BAG” warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the “AIR BAG” warning lamp.
- The Diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the “AIR BAG” warning lamp and CONSULT-III are as follows.

	User mode	Diagnosis mode	Display type
“AIR BAG” warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [SRC-311, "Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —"](#)).
- System component-to-harness connections.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

NOTE:

If the memory of the malfunction in “SELF-DIAG [PAST]” is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.

- “TROUBLE DIAG RECORD”
The memory of “TROUBLE DIAG RECORD” cannot be erased.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

DIAGNOSIS SYSTEM (AIRBAG)

[FOR MEXICO]

< FUNCTION DIAGNOSIS >

DIAGNOSTIC PROCEDURE (User mode)

Checking air bag operation according to "AIR BAG" Warning Lamp-User Mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.



Warning lamp examples (User mode)

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0011E</p>	<ul style="list-style-type: none"> • No malfunction is detected. • No further action is necessary. 	—
<p>SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated. 	Go to SRC-179. "Diagnosis Description" .

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed. Seat belt pre-tensioner is deployed. 	Go to SRC-299, "Diagnosis Procedure" or SRC-301, "Diagnosis Procedure" .
	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. 	Go to SRC-316, "Diagnosis Procedure" .
<p>SHIA0014E</p>	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Go to SRC-316, "Diagnosis Procedure" .

A
B
C
D
E
F
G

SRC

DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed. (SELF-DIAG [CURRENT], [PAST], [RECORD])
ECU DISCRIMINATED No.	The part number of diagnosis sensor unit is displayed.

I
J

CONSULT-III Function

INFOID:000000004236352

DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"
A current self-diagnosis results (also indicated with the number of warning lamp blinks in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- "SELF-DIAG [PAST]"
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- "TROUBLE DIAG RECORD"
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- "ECU DISCRIMINATED NO."
The diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.
After repair, check that the discriminated number of diagnosis sensor unit installed to vehicle are the same. Refer to [SR-37, "Removal and Installation"](#).

K
L
M
N
O
P

HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

From User Mode to Diagnosis Mode

After selecting "AIR BAG" on the "SELECT SYSTEM" screen, User mode automatically changes to Diagnosis mode.

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

[FOR MEXICO]

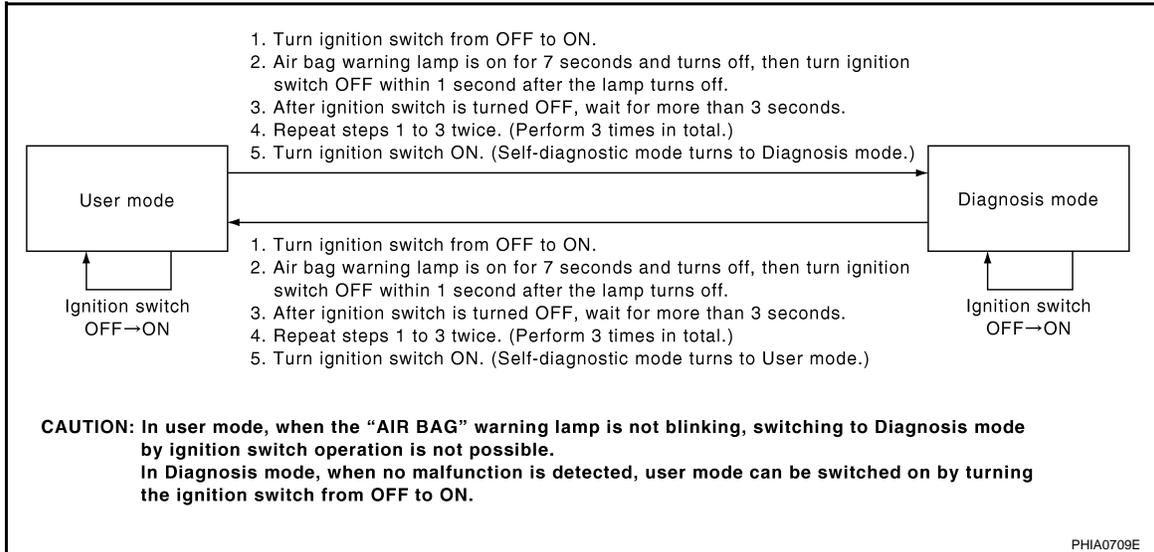
From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

COMPONENT DIAGNOSIS

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236353

DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236354

SRC

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-184, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236355

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236356

DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236357

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-186, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236358

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236359

DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236360

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-188, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236361

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236362

DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236363

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-190. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236364

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1033, B1034 CRASH ZONE SEN

Description

INFOID:000000004236365

DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When ACU define the both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000004236366

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in crash zone sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-192, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP-

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236367

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1035, B1036, B1038, B1040 CRASH ZONE SEN

Description

INFOID:000000004236368

DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor that generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000004236369

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness and open/short.• Internal breakdown in crash zone sensor.• Internal breakdown in diagnosis sensor unit (ACU).
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-194. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236370

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236371

DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236372

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-196. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236373

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1049 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1049 DRIVER AIRBAG MODULE

Description

INFOID:000000004236374

DTC B1049 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236375

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open. (including the spiral cable.)	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in driver air bag module. • Internal breakdown in spiral cable. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-198. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1049 DRIVER AIRBAG MODULE

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236376

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11	Ground	Not existed

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1050 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1050 DRIVER AIRBAG MODULE

Description

INFOID:000000004236377

DTC B1050 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236378

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-200. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1050 DRIVER AIRBAG MODULE

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236379

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11	Ground	Not existed

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1051 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1051 DRIVER AIRBAG MODULE

Description

INFOID:000000004236380

DTC B1051 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236381

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-202. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1051 DRIVER AIRBAG MODULE

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236382

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11	Ground	Not existed

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1052 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1052 DRIVER AIRBAG MODULE

Description

INFOID:000000004236383

DTC B1052 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000004236384

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other. (including the spiral cable.)	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in driver air bag module.• Internal breakdown in spiral cable.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-204. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

B1052 DRIVER AIRBAG MODULE

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236385

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 4.

4.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	30 23	Existed

4. Check continuity between driver side air bag module harness connector and ground.

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11	Ground	Not existed

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace spiral cable.

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236386

DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236387

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-206. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236388

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1065 ASSIST A/B MODULE

Description

INFOID:000000004236389

DTC B1065 [OPEN] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236390

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open.	<ul style="list-style-type: none"> • Disconnection of wiring harness and open. • Internal breakdown in front passenger air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-208, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236391

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1066 ASSIST A/B MODULE

Description

INFOID:000000004236392

DTC B1066 [VB-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236393

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front passenger air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-210, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236394

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1067 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1067 ASSIST A/B MODULE

Description

INFOID:000000004236395

DTC B1067 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236396

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front passenger air bag module. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-212, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236397

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1068 ASSIST A/B MODULE

Description

INFOID:000000004236398

DTC B1068 [SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000004236399

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front passenger air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-214, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236400

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236401

DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236402

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-216. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236403

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1081 PRE-TEN FRONT RH

Description

INFOID:000000004236404

DTC B1081 [OPEN] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236405

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front RH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-218. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236406

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1082 PRE-TEN FRONT RH

Description

INFOID:000000004236407

DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236408

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front RH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-220. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236409

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1083 PRE-TEN FRONT RH

Description

INFOID:000000004236410

DTC B1083 [GND-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236411

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front RH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-222. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236412

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1084 PRE-TEN FRONT RH

Description

INFOID:000000004236413

DTC B1084 [SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236414

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front RH seat belt pre-tensioner.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-224. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236415

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1086 PRE-TEN FRONT LH

Description

INFOID:000000004236416

DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236417

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open.	<ul style="list-style-type: none"> Disconnection of wiring harness and open. Internal breakdown in front LH seat belt pre-tensioner. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-226. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236418

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1087 PRE-TEN FRONT LH

Description

INFOID:000000004236419

DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236420

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front LH seat belt pre-tensioner. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-228. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236421

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1088 PRE-TEN FRONT LH

Description

INFOID:000000004236422

DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236423

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front LH seat belt pre-tensioner. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-230. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236424

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1089 PRE-TEN FRONT LH

Description

INFOID:000000004236425

DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236426

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH seat belt pre-tensioner. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-232. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236427

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236428

DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236429

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-234. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236430

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000004236431

DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236432

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in RH satellite sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-236, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236433

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1115, B1116 SATELLITE SENS RH

Description

INFOID:000000004236434

DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236435

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in RH satellite sensor.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-238, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236436

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000004236437

DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236438

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order.	<ul style="list-style-type: none"> • Disconnection of wiring harness. • Internal breakdown in LH satellite sensor. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-240, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236439

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1120, B1121 SATELLITE SENS LH

Description

INFOID:000000004236440

DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236441

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sens is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in LH satellite sens.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-242, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236442

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236443

DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236444

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-244. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236445

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1129 SIDE MODULE RH

Description

INFOID:000000004236446

DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seat back with fixed nuts.

DTC Logic

INFOID:000000004236447

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Front RH side air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front RH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-246, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236448

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1130 SIDE MODULE RH

Description

INFOID:000000004236449

DTC B1130 [VB-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236450

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front RH side air bag module. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-248, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236451

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1131 SIDE MODULE RH

Description

INFOID:000000004236452

DTC B1131 [GND-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236453

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Front RH side air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front RH side air bag module. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-250, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236454

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1132 SIDE MODULE RH

Description

INFOID:000000004236455

DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236456

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Front RH side air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front RH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-252, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236457

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1134 SIDE MODULE LH

Description

INFOID:000000004236458

DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236459

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Front LH side air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front LH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-254, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236460

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1135 SIDE MODULE LH

Description

INFOID:000000004236461

DTC B1135 [VB-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236462

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-256, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236463

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1136 SIDE MODULE LH

Description

INFOID:000000004236464

DTC B1136 [GND-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236465

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Front LH side air bag module circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH side air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-258, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236466

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE**1.CHECK HARNESS CONNECTOR**

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1137 SIDE MODULE LH

Description

INFOID:000000004236467

DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000004236468

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Front LH side air bag module circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front LH side air bag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-260, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236469

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use un specified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236470

DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236471

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-262. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236472

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1145 CURTAIN MODULE RH

Description

INFOID:000000004236473

DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236474

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in RH side curtain air bag module.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-264, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1145 CURTAIN MODULE RH

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236475

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1146 CURTAIN MODULE RH

Description

INFOID:000000004236476

DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236477

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in RH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-266, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

• SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236478

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1147 CURTAIN MODULE RH

Description

INFOID:000000004236479

DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236480

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in RH side curtain air bag module.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-268, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236481

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1148 CURTAIN MODULE RH

Description

INFOID:000000004236482

DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236483

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in RH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-270, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-303, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236484

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1150 CURTAIN MODULE LH

Description

INFOID:000000004236485

DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236486

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open.	<ul style="list-style-type: none"> Disconnection of wiring harness and open. Internal breakdown in LH side curtain air bag module. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-272, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236487

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1151 CURTAIN MODULE LH

Description

INFOID:000000004236488

DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236489

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in LH side curtain air bag module. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-274, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236490

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1152 CURTAIN MODULE LH

Description

INFOID:000000004236491

DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236492

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in LH side curtain airbag module. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-276, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236493

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1153 CURTAIN MODULE LH

Description

INFOID:000000004236494

DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: left satellite sensor, right side: right satellite sensor) and sub "G" sensor (right and left GP in center unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000004236495

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in LH side curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-278, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236496

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236497

DTC B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236498

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-280. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236499

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1177 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1177 PRE-TEN2 FRONT RH

Description

INFOID:000000004236500

DTC B1177 [OPEN] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236501

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1177	PRE-TEN2 FRONT RH [OPEN]	Front RH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none"> Disconnection of wiring harness and open. Internal breakdown in front RH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-282. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236502

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1178 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1178 PRE-TEN2 FRONT RH

Description

INFOID:000000004236503

DTC B1178 [VB-SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236504

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1178	PRE-TEN2 FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front RH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-284, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236505

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1179 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1179 PRE-TEN2 FRONT RH

Description

INFOID:000000004236506

DTC B1179 [GND-SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236507

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1179	PRE-TEN2 FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner 2 circuit is shorted to ground.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front RH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-286. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236508

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1180 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1180 PRE-TEN2 FRONT RH

Description

INFOID:000000004236509

DTC B1180 [SHORT] PRE-TEN2 FRONT RH

For front RH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236510

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1180	PRE-TEN2 FRONT RH [SHORT]	Front RH seat belt pre-tensioner 2 circuit are shorted to each other.	<ul style="list-style-type: none"> • Disconnection of wiring harness and short. • Internal breakdown in front RH seat belt pre-tensioner 2. • Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-288, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236511

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspectiion result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1182 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1182 PRE-TEN2 FRONT LH

Description

INFOID:000000004236512

DTC B1182 [OPEN] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236513

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1182	PRE-TEN2 FRONT LH [OPEN]	Front LH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none"> Disconnection of wiring harness and open. Internal breakdown in front LH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-290. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236514

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1183 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1183 PRE-TEN2 FRONT LH

Description

INFOID:000000004236515

DTC B1183 [VB-SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236516

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1183	PRE-TEN2 FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front LH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-292. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236517

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1184 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1184 PRE-TEN2 FRONT LH

Description

INFOID:000000004236518

DTC B1184 [GND-SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236519

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1184	PRE-TEN2 FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner 2 circuit is shorted to ground.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front LH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-294, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?YES >> Refer to [SRC-303, "DTC Index"](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236520

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1185 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1185 PRE-TEN2 FRONT LH

Description

INFOID:000000004236521

DTC B1185 [SHORT] PRE-TEN2 FRONT LH

For front LH seat belt pre-tensioner 2, crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner 2 is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000004236522

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1185	PRE-TEN2 FRONT LH [SHORT]	Front LH seat belt pre-tensioner 2 circuit are shorted to each other.	<ul style="list-style-type: none"> Disconnection of wiring harness and short. Internal breakdown in front LH seat belt pre-tensioner 2. Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-296. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236523

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004236524

DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

SRS diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000004236525

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-298. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

- SRS will not enter diagnosis mode if no malfunction is detected in user mode.

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-303, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236526

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000004236527

DTC B1209 FRONTAL COLLISION DETECTION

Detects component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The air bag and seat belt pre-tensioners for driver and front seat passenger are operated by the decision of the diagnosis sensor unit (ACU) out signal transmitted because of the frontal collision.

STRUCTURE

It consists of crash zone sensor, diagnosis sensor unit (ACU), air bags and seat belt pre-tensioners for driver and front passenger.

INSTALLATION

Refer to [SR-24, "Removal and Installation"](#), [SR-29, "Removal and Installation"](#), [SB-6, "SEAT BELT RETRAC-TOR : Removal and Installation"](#), [SR-27, "Removal and Installation"](#), [SR-37, "Removal and Installation"](#).

DTC Logic

INFOID:000000004236528

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed.	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-299, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236529

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK FRONT AIR BAG MODULE

B1209 FRONTAL COLLISION DETECTION

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

Check front air bag module. (driver air bag module and/or passenger air bag module.)

Is the front air bag module deployed?

YES >> Replace front air bag module. Refer to [SR-24, "Removal and Installation"](#) or [SR-29, "Removal and Installation"](#).

NO >> GO TO 2.

2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

YES >> Replace front seat belt pre-tensioner. Refer to [SB-6, "SEAT BELT RETRACTOR : Removal and Installation"](#).

NO >> GO TO 3.

3.CHECK DIAGNOSIS SENSOR UNIT

Check diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-37, "Removal and Installation"](#).

NO >> GO TO 4.

4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

YES >> GO TO 5.

NO >> Replace steering wheel.

5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SR-27, "Removal and Installation"](#).

2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace spiral cable. Refer to [SR-27, "Removal and Installation"](#).

6.CHECK WIRING HARNESS

Check wiring harness.

Is the wiring harness normal?

YES >> GO TO 7.

NO >> Repair or replace wiring harness/harness connector.

7.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

[FOR MEXICO]

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000004236530

DTC B1210 SIDE COLLISION DETECTION

Detects component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The side air bag and curtain air bag are operated by the decision of the diagnosis sensor unit (ACU) signal of the side collision.

STRUCTURE

It consists of satellite sensor, diagnosis sensor unit (ACU), front side air bag and side curtain air bag.

INSTALLATION

Refer to [SE-27. "Removal and Installation"](#), [SR-31. "Removal and Installation"](#), [SR-35. "Removal and Installation"](#).

DTC Logic

INFOID:000000004236531

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed.	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-301. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000004236532

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK FRONT SIDE AIR BAG MODULE

Check front side air bag module.

Is the front side air bag module deployed?

B1210 SIDE COLLISION DETECTION

[FOR MEXICO]

< COMPONENT DIAGNOSIS >

- YES >> Replace front side air bag module.
NO >> GO TO 2.

2.CHECK SIDE CURTAIN AIR BAG MODULE

Check side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module. Refer to [SR-31, "Removal and Installation"](#).
NO >> GO TO 3.

3.CHECK SATELLITE SENSOR

Check satellite sensor.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace satellite sensor. Refer to [SR-35, "Removal and Installation"](#).
NO >> GO TO 4.

4.CHECK DIAGNOSIS SENSOR UNIT

Check diagnosis sensor unit.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-37, "Removal and Installation"](#).
NO >> GO TO 5.

5.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

ECU DIAGNOSIS

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000004236533

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in User mode.	Low battery voltage (Less than 9 V) <ul style="list-style-type: none"> Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Intermittent malfunction has been detected in the past.
	No malfunction is detected.	—
CONTROL UNIT [B1001-B1015] [B1026-B1031]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036] [OPEN/UPR-VB-SHORT] [B1038] [SHORT/UPR-GND-SHORT] [B1040]	Crash zone sensor is out of order.	<ol style="list-style-type: none"> Repair or replace wiring harness / harness connector. Replace crash zone sensor. Replace diagnosis sensor unit (ACU).
CONTROL UNIT [B1042-B1047]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
DRIVER AIRBAG MODULE [OPEN] [B1049]	Driver air bag module circuit is open. (including the spiral cable.)	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace driver air bag module. 3. Replace spiral cable. Refer to SRC-198, "Diagnosis Procedure". 4. Replace diagnosis sensor unit (ACU).
DRIVER AIRBAG MODULE [VB-SHORT] [B1050]	Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.)	
DRIVER AIRBAG MODULE [GND-SHORT] [B1051]	Driver air bag module circuit is shorted to ground. (including the spiral cable.)	
DRIVER AIRBAG MODULE [SHORT] [B1052]	<ul style="list-style-type: none"> • Driver air bag module circuits are shorted to each other. (including spiral cable.) • Driver air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1058-B1063]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
ASSIST A/B MODULE [OPEN] [B1065]	Front passenger air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front passenger air bag module. 3. Replace diagnosis sensor unit (ACU).
ASSIST A/B MODULE [VB-SHORT] [B1066]	Front passenger air bag module circuit is shorted to some power supply circuit.	
ASSIST A/B MODULE [GND-SHORT] [B1067]	Front passenger air bag module circuit is shorted to ground.	
ASSIST A/B MODULE [SHORT] [B1068]	<ul style="list-style-type: none"> • Front passenger air bag module circuits are shorted to each other. • Front passenger air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1074-B1079]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
PRE-TEN FRONT RH [OPEN] [B1081]	Front RH seat belt pre-tensioner circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH seat belt pre-tensioner. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN FRONT RH [VB-SHORT] [B1082]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT] [B1083]	Front RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> • Front RH seat belt pre-tensioner circuits are shorted to each other. • Front RH seat belt pre-tensioner circuit is shorted to itself. 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
PRE-TEN FRONT LH [OPEN] [B1086]	Front LH seat belt pre-tensioner circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH seat belt pre-tensioner. 3. Replace diagnosis sensor unit (ACU). 	A
PRE-TEN FRONT LH [VB-SHORT] [B1087]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit.		B
PRE-TEN FRONT LH [GND-SHORT] [B1088]	Front LH seat belt pre-tensioner circuit is shorted to ground.		C
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner circuits are shorted to each other. • Front LH seat belt pre-tensioner circuit is shorted to itself. 		D
CONTROL UNIT [B1106-B1111]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	E
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	RH satellite sensor is out of order.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace RH satellite sensor. 3. Replace diagnosis sensor unit (ACU). 	F
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	LH satellite sensor is out of order.		G
CONTROL UNIT [B1122-B1127]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).	I
SIDE MODULE RH [OPEN] [B1129]	Front RH side air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH side air bag module. 3. Replace diagnosis sensor unit (ACU). 	J
SIDE MODULE RH [VB-SHORT] [B1130]	Front RH side air bag module circuit is shorted to some power supply circuit.		K
SIDE MODULE RH [GND-SHORT] [B1131]	Front RH side air bag module circuit is shorted to ground.		L
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner circuits are shorted to each other. • Front LH seat belt pre-tensioner circuit is shorted to itself. 		M
			N
			O
			P

SRC

DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
SIDE MODULE LH [OPEN] [B1134]	Front LH side air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH side air bag module. 3. Replace diagnosis sensor unit (ACU).
SIDE MODULE LH [VB-SHORT] [B1135]	Front LH side air bag module circuit is shorted to some power supply circuit.	
SIDE MODULE LH [GND-SHORT] [B1136]	Front LH side air bag module circuit is shorted to ground.	
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> • Front LH side air bag module circuits are shorted to each other. • Front LH side air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1138-B1143]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
CURTAIN MODULE RH [OPEN] [B1145]	RH side curtain air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace RH side curtain air bag module. 3. Replace diagnosis sensor unit (ACU).
CURTAIN MODULE RH [VB-SHORT] [B1146]	RH side curtain air bag module circuit is shorted to some power supply circuit.	
CURTAIN MODULE RH [GND-SHORT] [B1147]	RH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> • RH side curtain air bag module circuits are shorted to each other. • RH side curtain air bag module circuit is shorted to itself. 	
CURTAIN MODULE LH [OPEN] [B1150]	LH side curtain air bag module circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace LH side curtain air bag module. 3. Replace diagnosis sensor unit (ACU).
CURTAIN MODULE LH [VB-SHORT] [B1151]	LH side curtain air bag module circuit is shorted to some power supply circuits.	
CURTAIN MODULE LH [GND-SHORT] [B1152]	LH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> • LH side curtain air bag module circuits are shorted to each other. • LH side curtain air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1170-B1175]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
PRE-TEN2 FRONT RH [OPEN] [B1177]	Front RH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front RH seat belt pre-tensioner 2. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN2 FRONT RH [VB-SHORT] [B1178]	Front RH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	
PRE-TEN2 FRONT RH [GND-SHORT] [B1179]	Front RH seat belt pre-tensioner 2 circuit is shorted to ground.	
PRE-TEN2 FRONT RH [SHORT] [B1180]	<ul style="list-style-type: none"> • Front RH seat belt pre-tensioner 2 circuits are shorted to each other. • Front RH seat belt pre-tensioner 2 circuit is shorted to itself. 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
PRE-TEN2 FRONT LH [OPEN] [B1182]	Front LH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector. 2. Replace front LH seat belt pre-tensioner 2. 3. Replace diagnosis sensor unit (ACU).
PRE-TEN2 FRONT LH [VB-SHORT] [B1183]	Front LH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.	
PRE-TEN2 FRONT LH [GND-SHORT] [B1184]	Front LH seat belt pre-tensioner 2 circuit is shorted to ground.	
PRE-TEN2 FRONT LH [SHORT] [B1185]	<ul style="list-style-type: none"> • Front LH seat belt pre-tensioner 2 circuits are shorted to each other. • Front LH seat belt pre-tensioner 2 circuit is shorted to itself. 	
CONTROL UNIT [B1202-B1207]	Diagnosis sensor is out of order.	Replace diagnosis sensor unit (ACU).
FRONTAL COLLISION DETECTION [B1209]	Seat belt pre-tensioner and front air bags is deployed.	Go to SRC-299, "Diagnosis Procedure" .
SIDE COLLISION DETECTION [B1210]	Side and curtain air bag is deployed.	Go to SRC-301, "Diagnosis Procedure" .

WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>

Flash pattern	Repair order
<p>a through b are repeated.</p> <p>IGN ON</p>	<ol style="list-style-type: none"> 1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

PHIA0532E

<Diagnosis sensor unit>

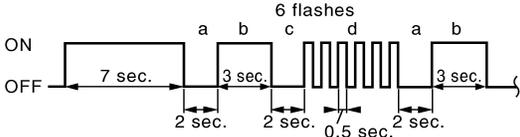
Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> 1. Replace the diagnosis sensor unit (ACU).

JMHA0034GB

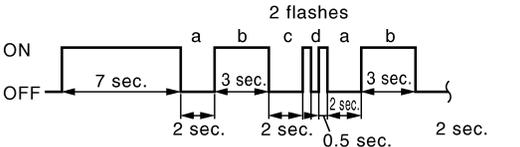
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

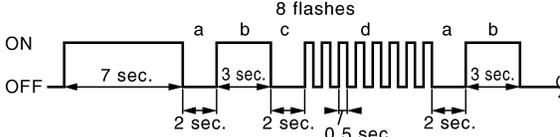
[FOR MEXICO]

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the diagnosis sensor unit.

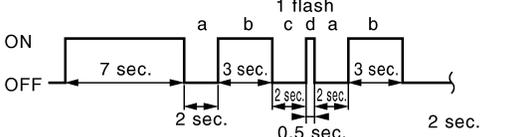
JMHIA0036GB

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the diagnosis sensor unit (ACU).

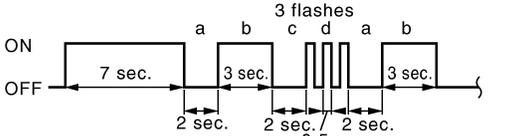
JMHIA0033GB

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0035GB

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0037GB

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p> 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0038GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0039GB

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0040GB

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH side air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0041GB

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH side air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0042GB

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0043GB

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0044GB

<Front RH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0223GB

<Front LH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0222GB

DIAGNOSIS SENSOR UNIT

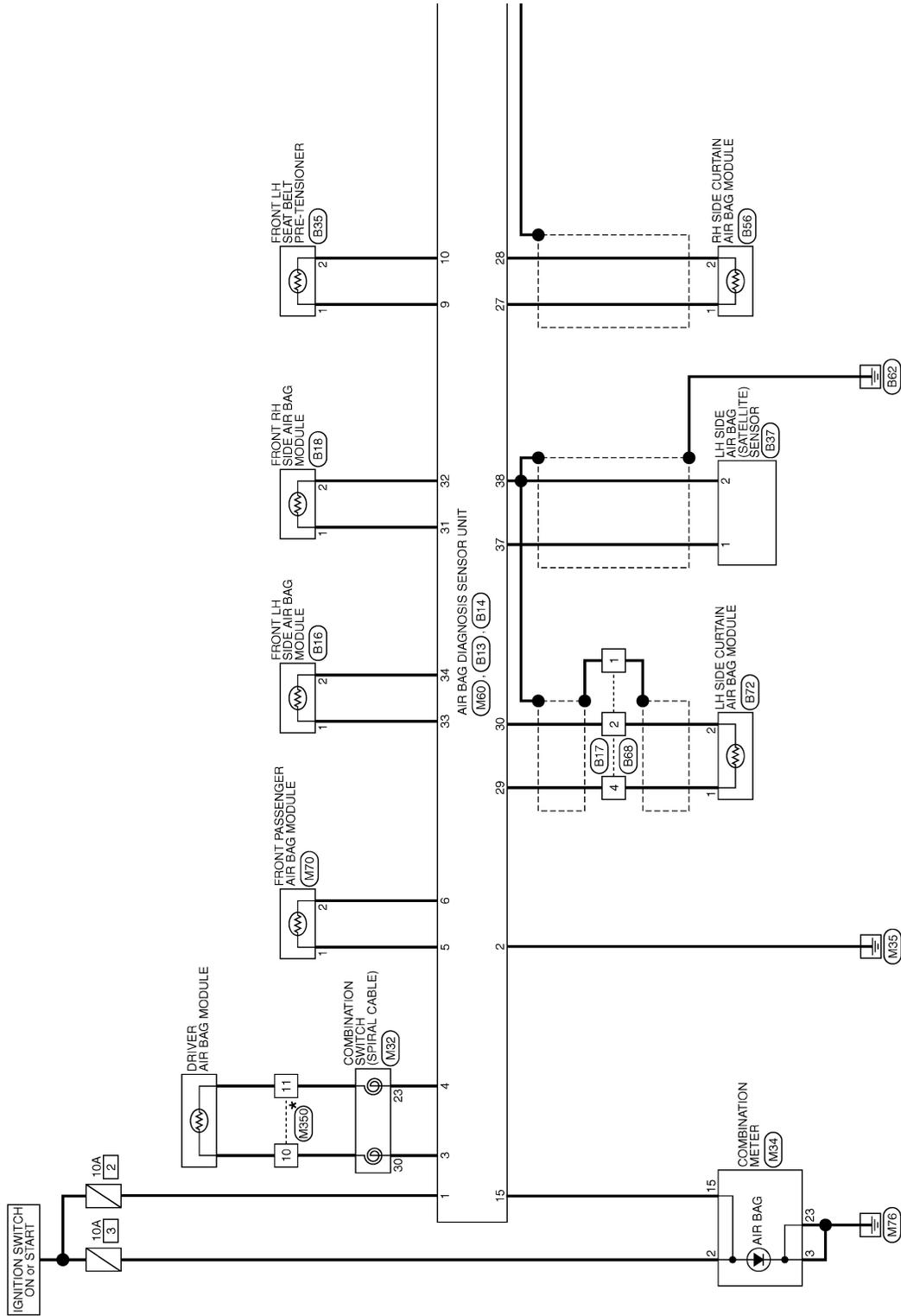
< ECU DIAGNOSIS >

[FOR MEXICO]

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000004236534

SRS AIR BAG CONTROL SYSTEM (WITHOUT ADVANCED AIR BAG)



*: This connector is not shown in "Harness Layout".

2008/07/15

JCHWM0320GI

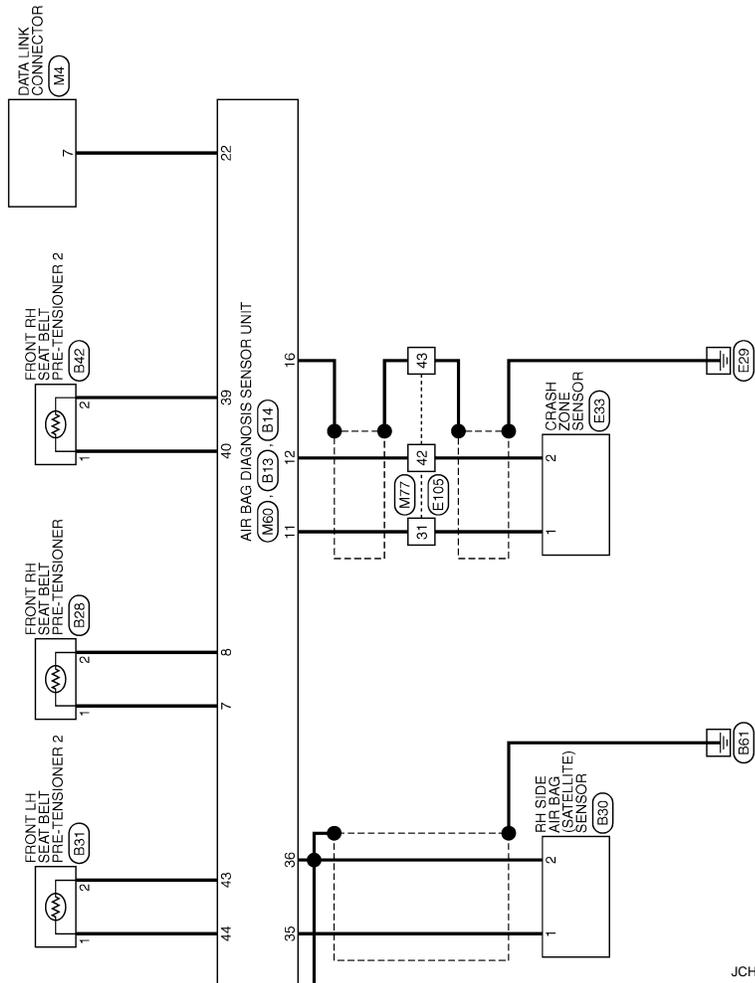
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]



JCHWM0321G1

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

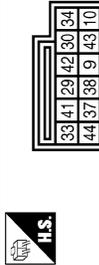
[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM (WITHOUT ADVANCED AIR BAG)

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK02FY-1V-EX



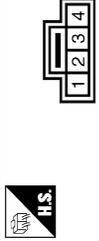
Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Connector No.	B16
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



Connector No.	B17
Connector Name	WIRE TO WIRE
Connector Type	TK03MY-BD



Terminal No.	Color of Wire	Signal Name [Specification]
7	O	ELR RH+
8	V	ELR RH-
27	R	INF CURTAIN RR RH+
28	W	INF CURTAIN RR RH-
31	W	SIDE INF RH+
32	L	SIDE INF RH-
35	BR	SIDE SENS RH+
36	Y	SIDE SENS RH-
38	GR	ELR2 RH+
40	P	ELR2 RH-[Except for North America]

Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	SB	ELR LH-
29	LG	INF CURTAIN RR LH+
30	V	INF CURTAIN RR LH-
33	W	SIDE INF LH+
34	L	SIDE INF LH-
37	G	SIDE SENS LH+
38	R	SIDE SENS LH-
43	O	ELR2 LH+
44	P	ELR2 LH-[Except for North America]

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	V	-
4	LG	-

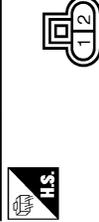
Connector No.	B18
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



Connector No.	B28
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



Connector No.	B31
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	V	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	O	-

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM (WITHOUT ADVANCED AIR BAG)

Connector No.	B35
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	B42
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-

Connector No.	B55
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	TKMFY



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	V	-
4	LG	-

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-

Connector No.	E53
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THR02FY-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
31	BR	-
42	Y	-
43	SHIELD	-

JCHWM0323GI

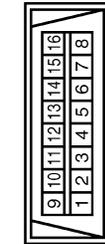
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM (WITHOUT ADVANCED AIR BAG)

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



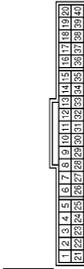
Terminal No.	Color of Wire	Signal Name [Specification]
7	O	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK02FY-EX-1V



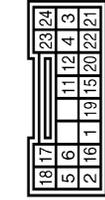
Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/R	-
30	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB-60FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGN
3	B	GND2(POWER)
15	LG	AIR BAG
23	B	GND3(CIRCUIT)

Connector No.	M60
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (WITHOUT ADVANCED AIR BAG)
Connector Type	TK02FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/R	INFLATOR DR-
5	Y/G	INFLATOR AS+
8	Y/B	INFLATOR AS-
11	W	EGZ3+
12	O	EGZ3-
15	LG	A/B W/L
16	SHIELD	GND
22	Y	K-LINE

Connector No.	M70
Connector Name	FRONT PASSENGER AIR BAG MODULE (WITHOUT ADVANCED AIR BAG)
Connector Type	TK02FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/G	-
2	Y/B	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1F-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
31	W	-
42	O	-
43	SHIELD	-

Connector No.	M350
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-

A
B
C
D
E
F
G
SRC
I
J
K
L
M
N
O
P

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000004236535

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-299, "Diagnosis Procedure"](#) or [SRC-301, "Diagnosis Procedure"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-88, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace diagnosis sensor unit (ACU). Refer to [SR-37, "Removal and Installation"](#).

5. CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000004236536

"SRS AIR BAG" Warning Lamp Does Not Turn ON

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-88, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between diagnosis sensor unit and combination meter.

2. Disconnect diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-37, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-86, "Exploded View"](#).

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000004236537

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

Service

INFOID:000000004236538

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.