

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

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

### CONTENTS

<p><b>BASIC INSPECTION</b> ..... 5</p> <p><b>DIAGNOSIS AND REPAIR WORK FLOW</b> ..... 5</p> <p style="padding-left: 20px;">Work Flow .....5</p> <p><b>SYSTEM DESCRIPTION</b> ..... 7</p> <p><b>SRS AIR BAG SYSTEM</b> ..... 7</p> <p style="padding-left: 20px;">System Diagram .....7</p> <p style="padding-left: 20px;">System Description .....7</p> <p style="padding-left: 20px;">Component Parts Location .....8</p> <p style="padding-left: 20px;">Component Description .....9</p> <p><b>OCCUPANT CLASSIFICATION SYSTEM</b> .....10</p> <p style="padding-left: 20px;">System Diagram ..... 10</p> <p style="padding-left: 20px;">System Description ..... 10</p> <p style="padding-left: 20px;">Component Parts Location ..... 10</p> <p style="padding-left: 20px;">Component Description ..... 11</p> <p><b>PASSENGER SEAT BELT WARNING SYSTEM</b> .....12</p> <p style="padding-left: 20px;">System Diagram ..... 12</p> <p style="padding-left: 20px;">System Description ..... 12</p> <p style="padding-left: 20px;">Component Parts Location ..... 13</p> <p style="padding-left: 20px;">Component Description ..... 13</p> <p><b>DIAGNOSIS SYSTEM (AIRBAG)</b> .....15</p> <p style="padding-left: 20px;">Diagnosis Description ..... 15</p> <p style="padding-left: 20px;">CONSULT-III Function ..... 17</p> <p><b>DTC/CIRCUIT DIAGNOSIS</b> ..... 19</p> <p><b>B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT</b> .....19</p> <p style="padding-left: 20px;">Description ..... 19</p> <p style="padding-left: 20px;">DTC Logic ..... 19</p> <p style="padding-left: 20px;">Diagnosis Procedure ..... 20</p> <p><b>B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT</b> .....21</p> <p style="padding-left: 20px;">Description ..... 21</p> <p style="padding-left: 20px;">DTC Logic ..... 21</p>	<p style="padding-left: 20px;">Diagnosis Procedure .....22</p> <p><b>B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT</b> .....23</p> <p style="padding-left: 20px;">Description .....23</p> <p style="padding-left: 20px;">DTC Logic .....23</p> <p style="padding-left: 20px;">Diagnosis Procedure .....24</p> <p><b>B1017, B1020, B1021 OCCUPANT SENS C/U</b> .....25</p> <p style="padding-left: 20px;">Description .....25</p> <p style="padding-left: 20px;">DTC Logic .....25</p> <p style="padding-left: 20px;">Diagnosis Procedure .....26</p> <p><b>B1018 OCCUPANT SENS</b> .....27</p> <p style="padding-left: 20px;">Description .....27</p> <p style="padding-left: 20px;">DTC Logic .....27</p> <p style="padding-left: 20px;">Diagnosis Procedure .....28</p> <p><b>B1022 OCCUPANT SENS C/U</b> .....29</p> <p style="padding-left: 20px;">Description .....29</p> <p style="padding-left: 20px;">DTC Logic .....29</p> <p style="padding-left: 20px;">Diagnosis Procedure .....30</p> <p><b>B1023 PASS A/B INDCTR CKT</b> .....31</p> <p style="padding-left: 20px;">Description .....31</p> <p style="padding-left: 20px;">DTC Logic .....31</p> <p style="padding-left: 20px;">Diagnosis Procedure .....32</p> <p><b>B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT</b> .....33</p> <p style="padding-left: 20px;">Description .....33</p> <p style="padding-left: 20px;">DTC Logic .....33</p> <p style="padding-left: 20px;">Diagnosis Procedure .....34</p> <p><b>B1033, B1034 CRASH ZONE SEN</b> .....35</p> <p style="padding-left: 20px;">Description .....35</p> <p style="padding-left: 20px;">DTC Logic .....35</p> <p style="padding-left: 20px;">Diagnosis Procedure .....36</p> <p><b>B1035, B1036, B1038, B1040 CRASH ZONE SEN</b> .....37</p>
--	--



Description .....	37	<b>B1081 PRE-TEN FRONT RH .....</b>	<b>65</b>
DTC Logic .....	37	Description .....	65
Diagnosis Procedure .....	38	DTC Logic .....	65
<b>B1042, B1043, B1044, B1045, B1046, B1047</b>		Diagnosis Procedure .....	66
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>39</b>	<b>B1082 PRE-TEN FRONT RH .....</b>	<b>67</b>
Description .....	39	Description .....	67
DTC Logic .....	39	DTC Logic .....	67
Diagnosis Procedure .....	40	Diagnosis Procedure .....	68
<b>B1049, B1054 DRIVER AIRBAG MODULE .....</b>	<b>41</b>	<b>B1083 PRE-TEN FRONT RH .....</b>	<b>69</b>
Description .....	41	Description .....	69
DTC Logic .....	41	DTC Logic .....	69
Diagnosis Procedure .....	42	Diagnosis Procedure .....	70
<b>B1050, B1055 DRIVER AIRBAG MODULE .....</b>	<b>44</b>	<b>B1084 PRE-TEN FRONT RH .....</b>	<b>71</b>
Description .....	44	Description .....	71
DTC Logic .....	44	DTC Logic .....	71
Diagnosis Procedure .....	45	Diagnosis Procedure .....	72
<b>B1051, B1056 DRIVER AIRBAG MODULE .....</b>	<b>47</b>	<b>B1086 PRE-TEN FRONT LH .....</b>	<b>73</b>
Description .....	47	Description .....	73
DTC Logic .....	47	DTC Logic .....	73
Diagnosis Procedure .....	48	Diagnosis Procedure .....	74
<b>B1052, B1057 DRIVER AIRBAG MODULE .....</b>	<b>50</b>	<b>B1087 PRE-TEN FRONT LH .....</b>	<b>75</b>
Description .....	50	Description .....	75
DTC Logic .....	50	DTC Logic .....	75
Diagnosis Procedure .....	51	Diagnosis Procedure .....	76
<b>B1058, B1059, B1060, B1061, B1062, B1063</b>		<b>B1088 PRE-TEN FRONT LH .....</b>	<b>77</b>
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>53</b>	Description .....	77
Description .....	53	DTC Logic .....	77
DTC Logic .....	53	Diagnosis Procedure .....	78
Diagnosis Procedure .....	54	<b>B1089 PRE-TEN FRONT LH .....</b>	<b>79</b>
<b>B1065, B1070 ASSIST A/B MODULE .....</b>	<b>55</b>	Description .....	79
Description .....	55	DTC Logic .....	79
DTC Logic .....	55	Diagnosis Procedure .....	80
Diagnosis Procedure .....	56	<b>B1106, B1107, B1108, B1109, B1110, B1111</b>	
<b>B1066, B1071 ASSIST A/B MODULE .....</b>	<b>57</b>	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>81</b>
Description .....	57	Description .....	81
DTC Logic .....	57	DTC Logic .....	81
Diagnosis Procedure .....	58	Diagnosis Procedure .....	82
<b>B1067, B1072 ASSIST A/B MODULE .....</b>	<b>59</b>	<b>B1113, B1114 SATELLITE SENS RH .....</b>	<b>83</b>
Description .....	59	Description .....	83
DTC Logic .....	59	DTC Logic .....	83
Diagnosis Procedure .....	60	Diagnosis Procedure .....	84
<b>B1068, B1073 ASSIST A/B MODULE .....</b>	<b>61</b>	<b>B1115, B1116 SATELLITE SENS RH .....</b>	<b>85</b>
Description .....	61	Description .....	85
DTC Logic .....	61	DTC Logic .....	85
Diagnosis Procedure .....	62	Diagnosis Procedure .....	86
<b>B1074, B1075, B1076, B1077, B1078, B1079</b>		<b>B1118, B1119 SATELLITE SENS LH .....</b>	<b>87</b>
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>63</b>	Description .....	87
Description .....	63	DTC Logic .....	87
DTC Logic .....	63	Diagnosis Procedure .....	88
Diagnosis Procedure .....	64	<b>B1120, B1121 SATELLITE SENS LH .....</b>	<b>89</b>

Description .....	89	Description .....	113	A
DTC Logic .....	89	DTC Logic .....	113	
Diagnosis Procedure .....	90	Diagnosis Procedure .....	114	
<b>B1122, B1123, B1124, B1125, B1126, B1127</b>		<b>B1147 CURTAIN MODULE RH .....</b>	<b>115</b>	<b>B</b>
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>91</b>	Description .....	115	
Description .....	91	DTC Logic .....	115	
DTC Logic .....	91	Diagnosis Procedure .....	116	C
Diagnosis Procedure .....	92	<b>B1148 CURTAIN MODULE RH .....</b>	<b>117</b>	<b>D</b>
<b>B1129 SIDE MODULE RH .....</b>	<b>93</b>	Description .....	117	
Description .....	93	DTC Logic .....	117	
DTC Logic .....	93	Diagnosis Procedure .....	118	D
Diagnosis Procedure .....	94	<b>B1150 CURTAIN MODULE LH .....</b>	<b>119</b>	<b>E</b>
<b>B1130 SIDE MODULE RH .....</b>	<b>95</b>	Description .....	119	
Description .....	95	DTC Logic .....	119	
DTC Logic .....	95	Diagnosis Procedure .....	120	E
Diagnosis Procedure .....	96	<b>B1151 CURTAIN MODULE LH .....</b>	<b>121</b>	<b>F</b>
<b>B1131 SIDE MODULE RH .....</b>	<b>97</b>	Description .....	121	
Description .....	97	DTC Logic .....	121	
DTC Logic .....	97	Diagnosis Procedure .....	122	F
Diagnosis Procedure .....	98	<b>B1152 CURTAIN MODULE LH .....</b>	<b>123</b>	<b>G</b>
<b>B1132 SIDE MODULE RH .....</b>	<b>99</b>	Description .....	123	
Description .....	99	DTC Logic .....	123	
DTC Logic .....	99	Diagnosis Procedure .....	124	G
Diagnosis Procedure .....	100	<b>B1153 CURTAIN MODULE LH .....</b>	<b>125</b>	<b>I</b>
<b>B1134 SIDE MODULE LH .....</b>	<b>101</b>	Description .....	125	
Description .....	101	DTC Logic .....	125	
DTC Logic .....	101	Diagnosis Procedure .....	126	I
Diagnosis Procedure .....	102	<b>B1202, B1203, B1204, B1205, B1206, B1207</b>		<b>J</b>
<b>B1135 SIDE MODULE LH .....</b>	<b>103</b>	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>127</b>	<b>K</b>
Description .....	103	Description .....	127	
DTC Logic .....	103	DTC Logic .....	127	
Diagnosis Procedure .....	104	Diagnosis Procedure .....	128	K
<b>B1136 SIDE MODULE LH .....</b>	<b>105</b>	<b>B1209 FRONTAL COLLISION DETECTION ..</b>	<b>129</b>	<b>L</b>
Description .....	105	Description .....	129	
DTC Logic .....	105	DTC Logic .....	129	
Diagnosis Procedure .....	106	Diagnosis Procedure .....	129	L
<b>B1137 SIDE MODULE LH .....</b>	<b>107</b>	<b>B1210 SIDE COLLISION DETECTION .....</b>	<b>131</b>	<b>M</b>
Description .....	107	Description .....	131	
DTC Logic .....	107	DTC Logic .....	131	
Diagnosis Procedure .....	108	Diagnosis Procedure .....	131	M
<b>B1138, B1139, B1140, B1141, B1142, B1143</b>		<b>ECU DIAGNOSIS INFORMATION .....</b>	<b>133</b>	<b>O</b>
<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>109</b>	<b>DIAGNOSIS SENSOR UNIT .....</b>	<b>133</b>	<b>P</b>
Description .....	109	DTC Index .....	133	
DTC Logic .....	109	Wiring Diagram - SRS AIR BAG CONTROL SYS- TEM - .....	141	
Diagnosis Procedure .....	110	<b>SYMPTOM DIAGNOSIS .....</b>	<b>147</b>	
<b>B1145 CURTAIN MODULE RH .....</b>	<b>111</b>	<b>SRS AIR BAG WARNING LAMP DOES NOT TURN OFF .....</b>	<b>147</b>	
Description .....	111	Diagnosis Procedure .....	147	
DTC Logic .....	111			
Diagnosis Procedure .....	112			
<b>B1146 CURTAIN MODULE RH .....</b>	<b>113</b>			

SRC

<b>SRS AIR BAG WARNING LAMP DOES NOT TURN ON</b> .....	<b>148</b>	<b>PRECAUTION</b> .....	<b>150</b>
Diagnosis Procedure .....	148	<b>PRECAUTIONS</b> .....	<b>150</b>
<b>PASSENGER SEAT BELT WARNING SYS- TEM</b> .....	<b>149</b>	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER" .....	150
Diagnosis Procedure .....	149	Service .....	150
		Occupant Classification System Precaution .....	150

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

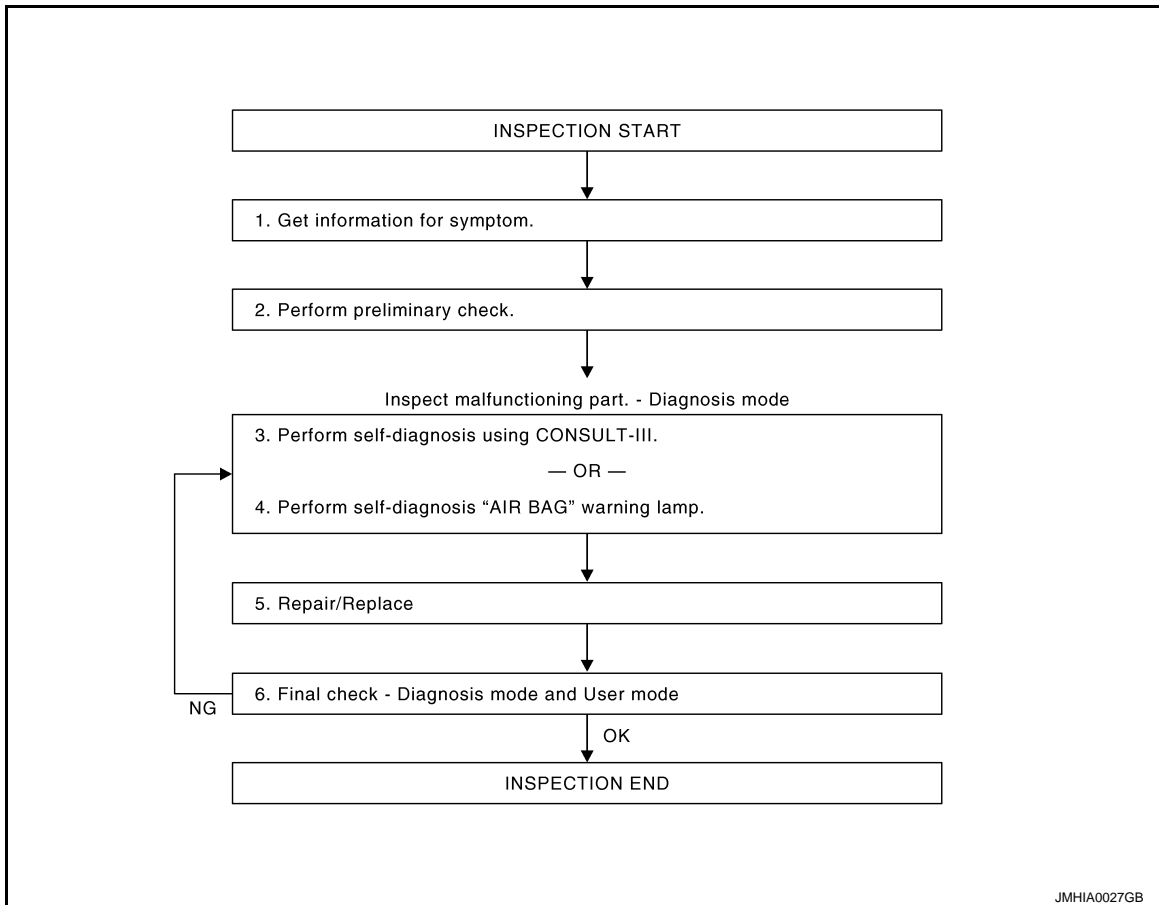
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000001833816

OVERALL SEQUENCE



DETAILED FLOW

### 1.GET INFORMATION FOR SYMPTOM

Get the detailed information from 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 the inspection result 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"

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

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

---

Check the 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 malfunctioning is repaired, erase the self-diagnostic result. Refer to [SRC-15, "Diagnosis Description"](#).

>> GO TO 6.

### 6.FINAL CHECK

---

Check the screen of 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)

# SRS AIR BAG SYSTEM

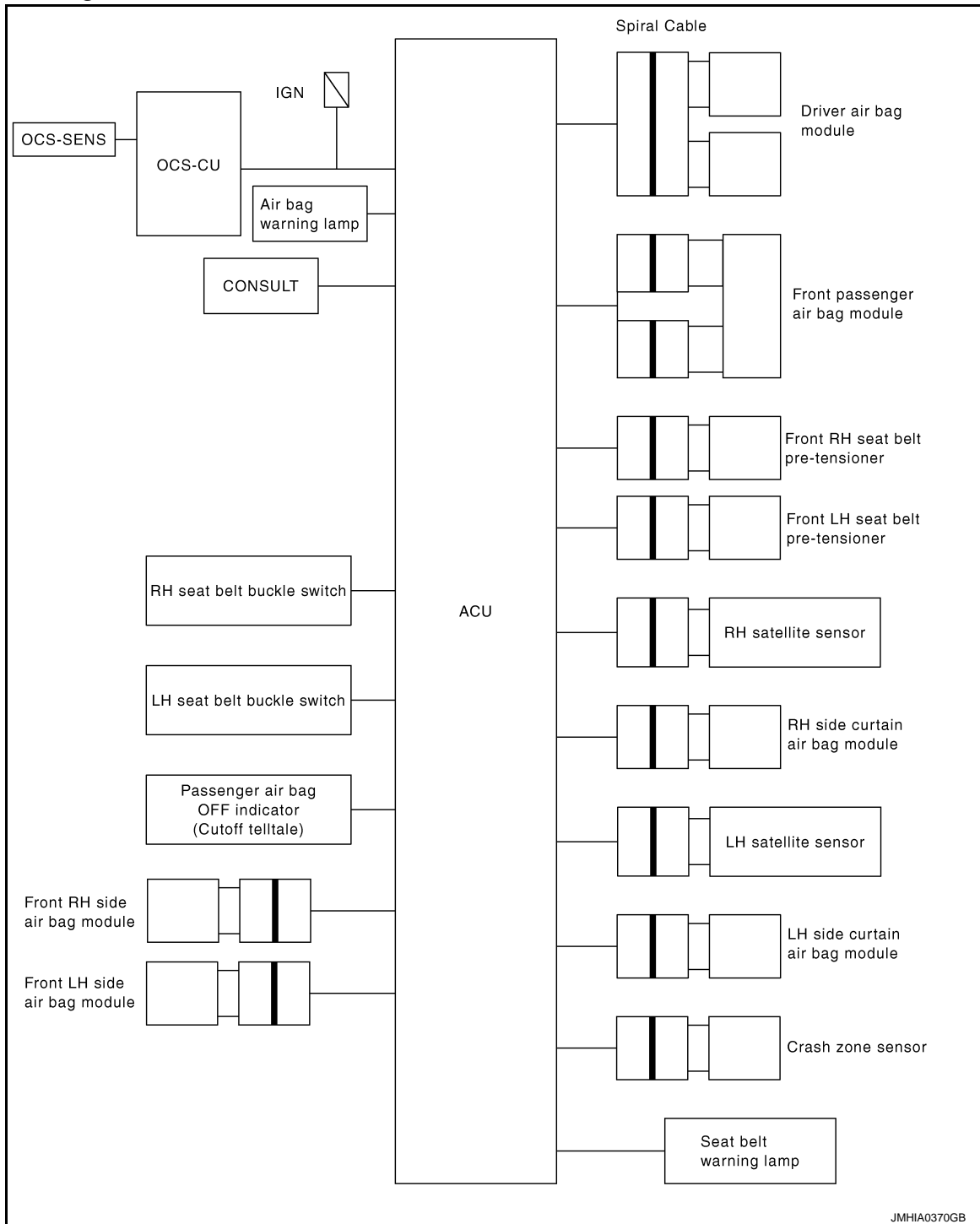
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### SRS AIR BAG SYSTEM

#### System Diagram

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A  
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#### System Description

INFOID:000000001833818

This SRS Air Bag System has the following function.

1. Detect crash and supply the energy for deploying air bag and seat belt pre-tensioner.
2. Detect electrical trouble in air bag system and seat belt pre-tensioner system, record trouble code, and blinking air bag warning lamp.

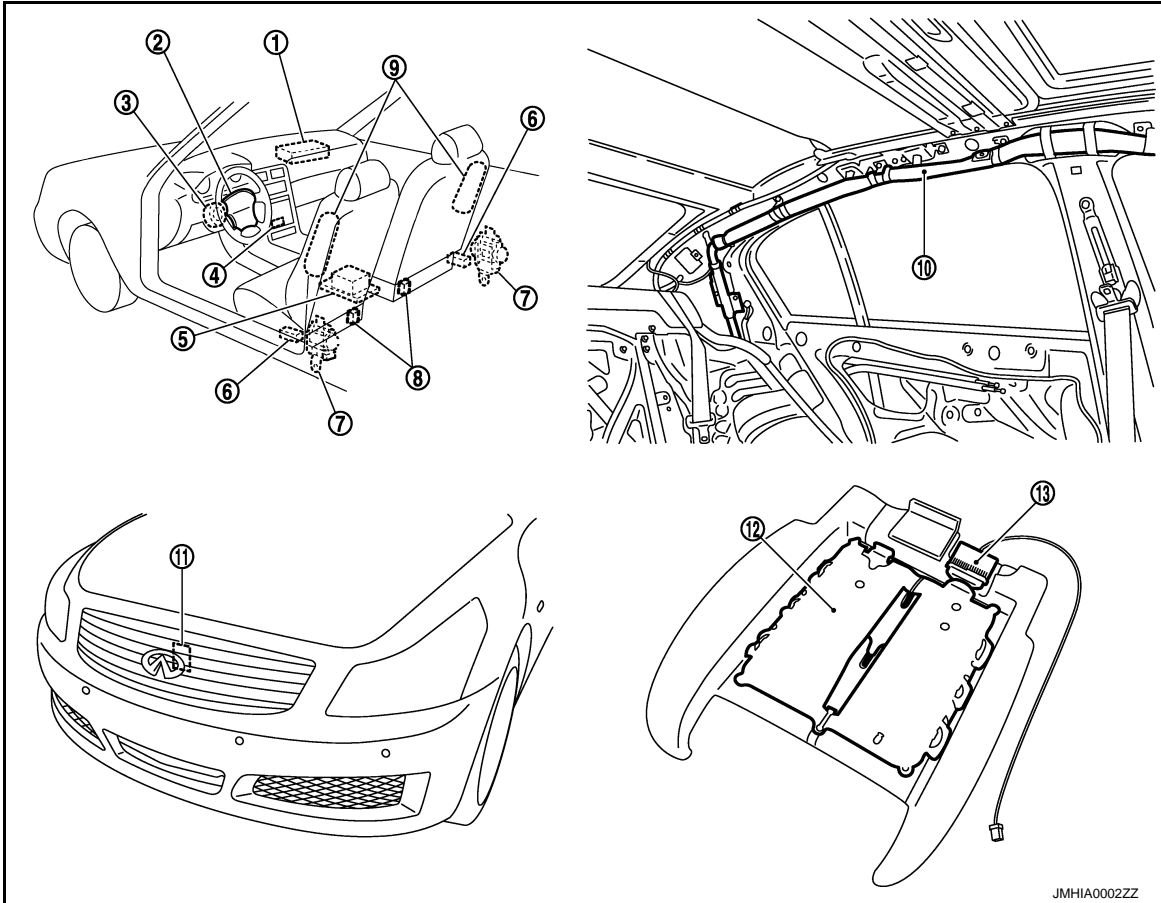
# SRS AIR BAG SYSTEM

## < SYSTEM DESCRIPTION >

3. Detect and record the deployment of air bag and seat belt pre-tensioner, and turn on air bag warning lamp.
4. Indicate 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 a turn on passenger air bag off indicator (cut-off telltale) when passenger seat is 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

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- |   |                                    |                                      |
|---|------------------------------------|--------------------------------------|
| 1. Front passenger air bag module                     | 2. Driver air bag module           | 3. Spiral cable                      |
| 4. Passenger air bag off indicator (Cut-off telltale) | 5. Diagnosis sensor unit (ACU)     | 6. Satellite sensor (LH/RH)          |
| 7. Front seat belt pre-tensioner (LH/RH)              | 8. Seat belt buckle switch (LH/RH) | 9. Front side air bag module (LH/RH) |
| 10. Curtain air bag module                            | 11. Crash zone sensor              | 12. OCS seat sensor mat              |
| 13. OCS control unit                                  |                                    |                                      |

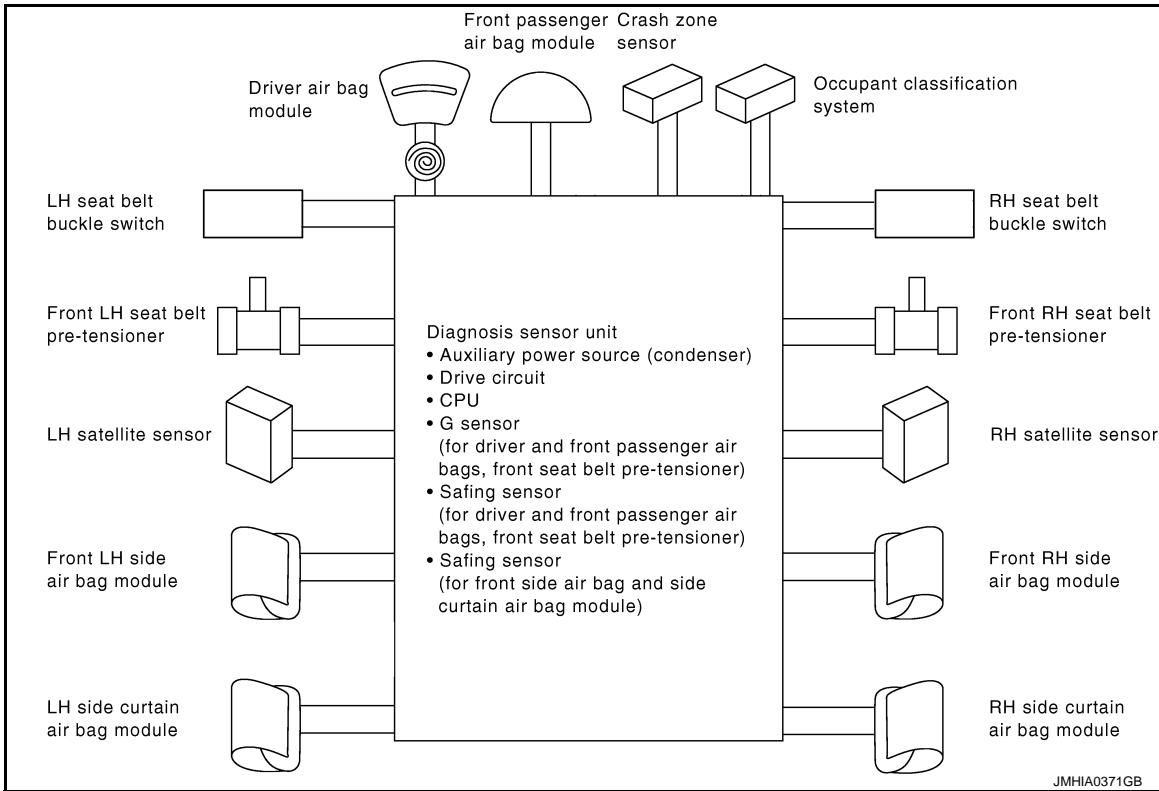


# SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

## Component Description

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- 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 application. 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 <a href="#">SRC-129</a>	×	—	—
Front passenger air bag module. Refer to <a href="#">SRC-129</a>	×	—	—
Front LH seat belt pre-tensioner. Refer to <a href="#">SRC-129</a>	×	—	—
Front RH seat belt pre-tensioner. Refer to <a href="#">SRC-129</a>	×	—	—
Front LH side air bag module. Refer to <a href="#">SRC-131</a>	—	×	—
Front RH side air bag module. Refer to <a href="#">SRC-131</a>	—	—	×
LH side curtain air bag module. Refer to <a href="#">SRC-131</a>	—	×	—
RH side curtain air bag module. Refer to <a href="#">SRC-131</a>	—	—	×

×: Application, —: Not application

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# OCCUPANT CLASSIFICATION SYSTEM

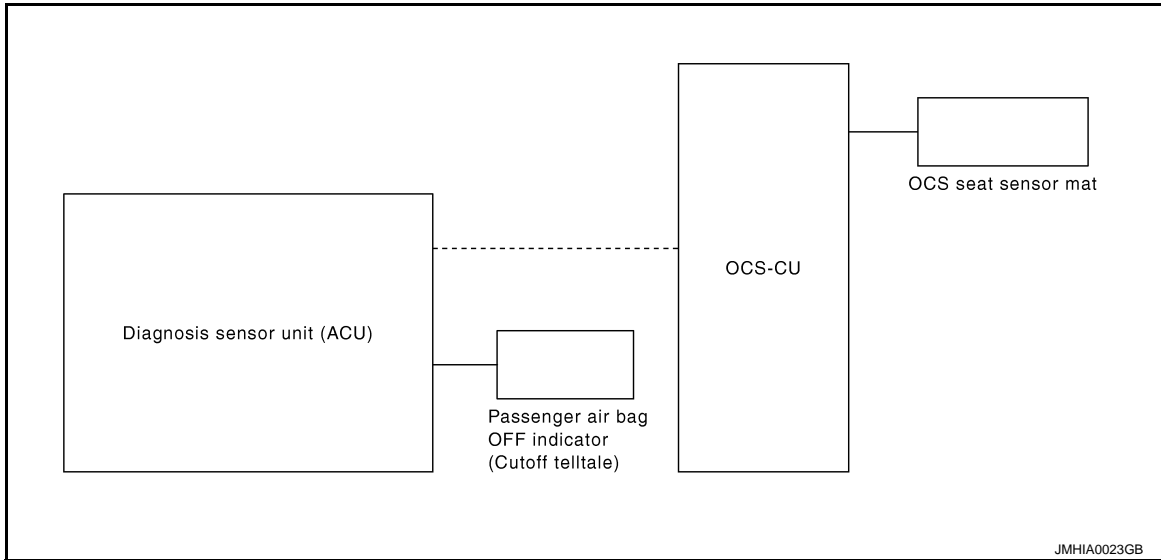
< SYSTEM DESCRIPTION >

## OCCUPANT CLASSIFICATION SYSTEM

### System Diagram

INFOID:000000001833821

### OCCUPANT CLASSIFICATION SYSTEM



### System Description

INFOID:000000001833822

This Occupant Classification System has the following function.

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

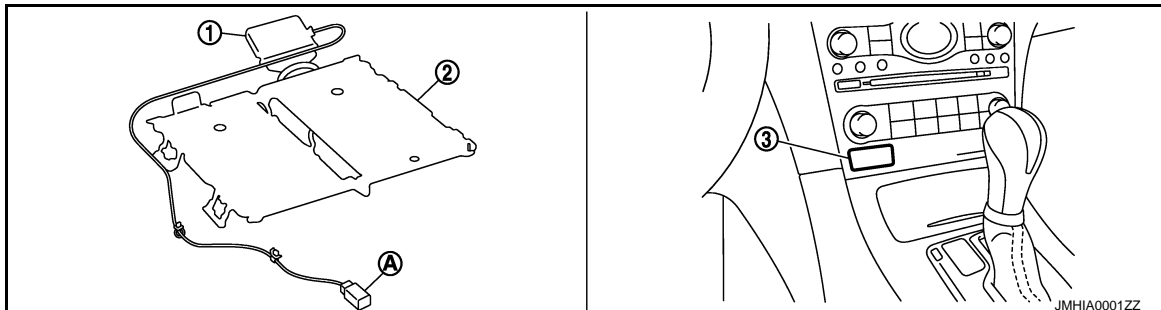
#### NOTE:

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

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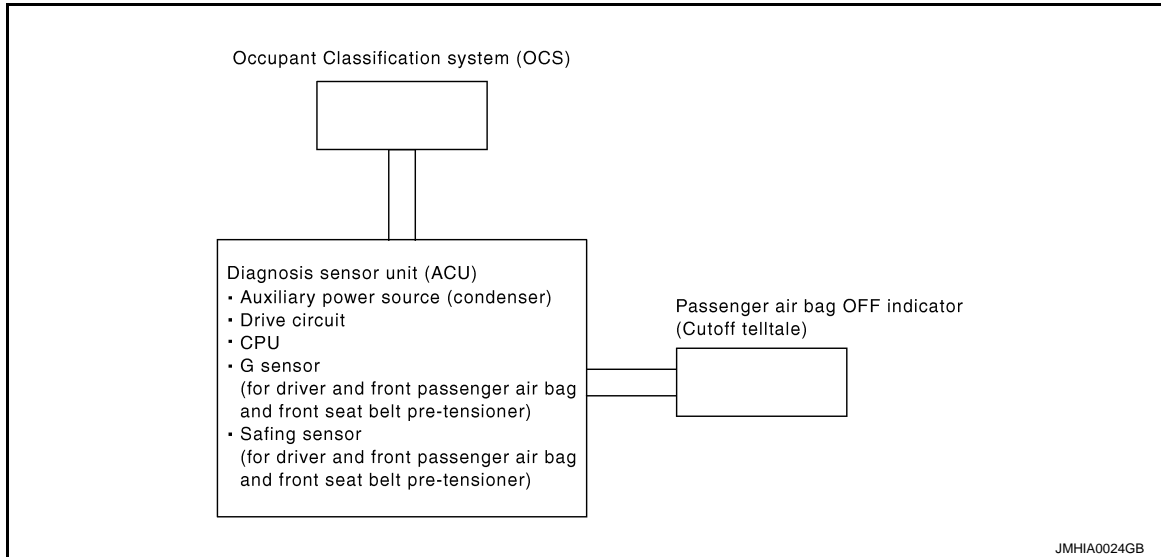
# OCCUPANT CLASSIFICATION SYSTEM

## < SYSTEM DESCRIPTION >

1. Occupant Classification System control unit
  2. Seat sensor mat
  3. Passenger air bag OFF indicator (cut-off telltale)
- (A). Occupant Classification System harness connector

## Component Description

INFOID:000000001833824



## Component Parts

- OCS control unit, Seat sensor mat. Refer to [SRC-29, "Description"](#).
- Passenger air bag OFF indicator (cut-off telltale). Refer to [SRC-31, "Description"](#).

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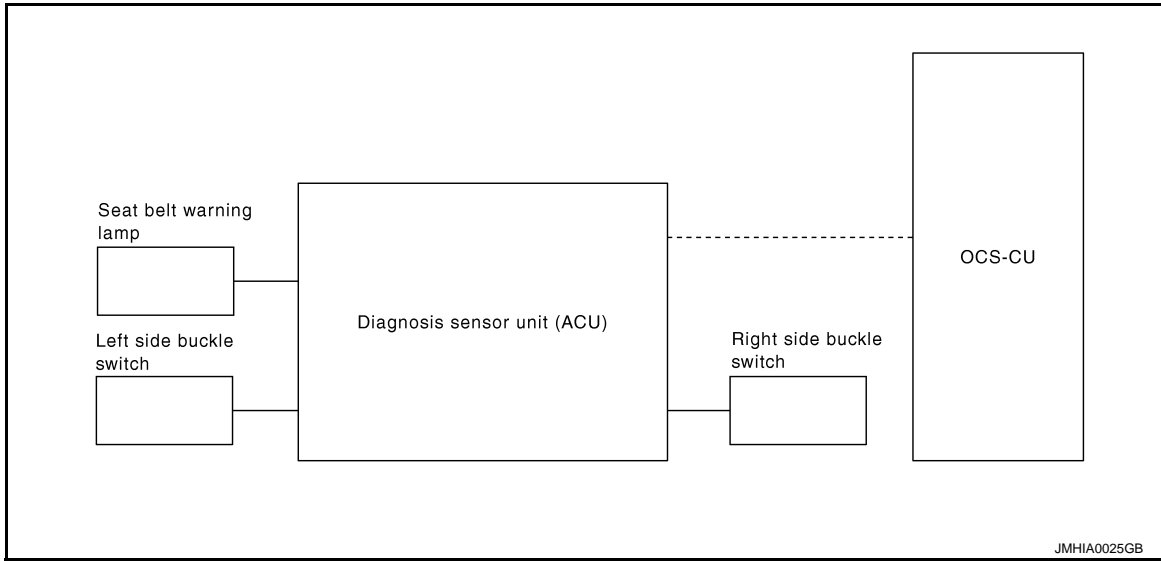
# PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

## PASSENGER SEAT BELT WARNING SYSTEM

### System Diagram

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### System Description

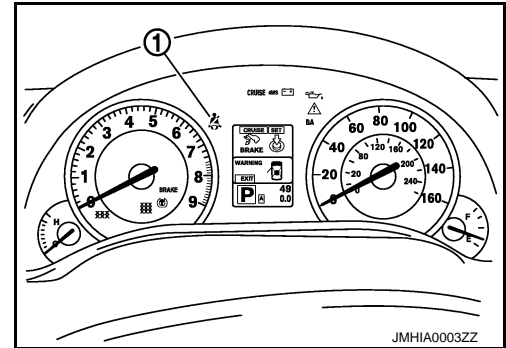
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This Passenger Seat Belt Warning System has the following function.

Turn ON seat belt warning lamp (1), when the OCS judges adult or child is 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

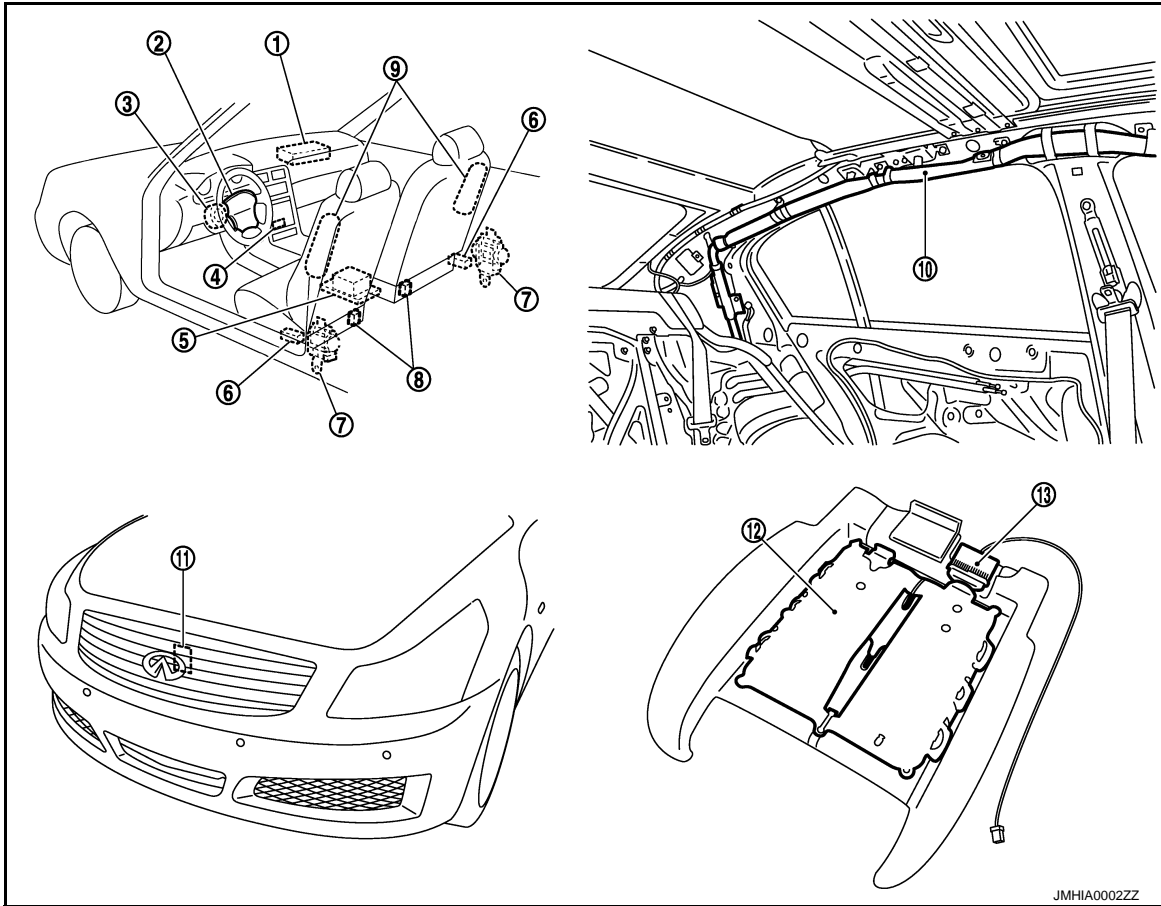
# PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

## Component Parts Location

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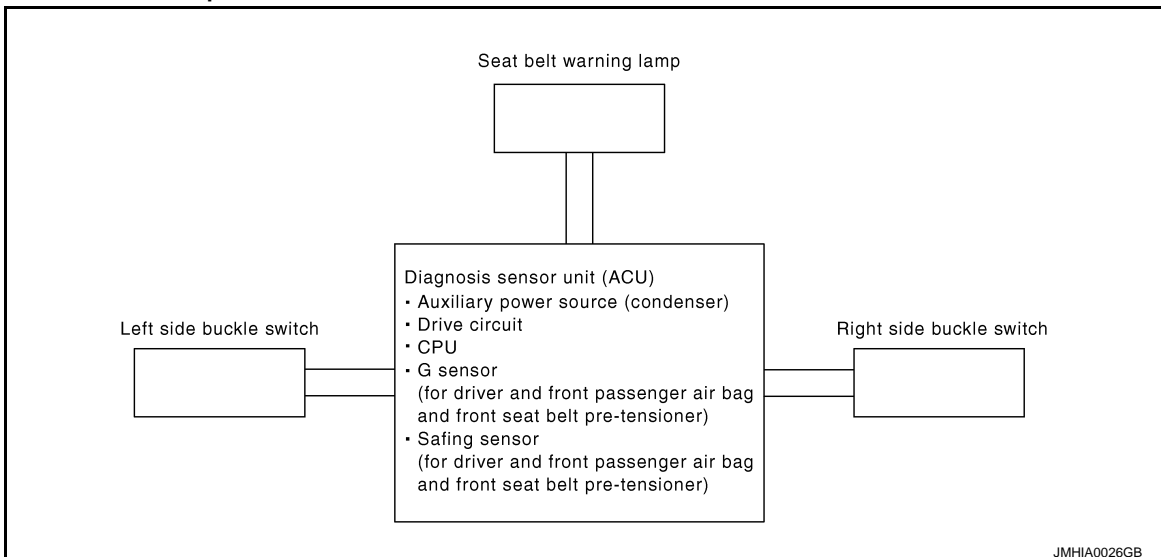
### SRS AIR BAG



- |   |                                    |                                      |
|---|------------------------------------|--------------------------------------|
| 1. Front passenger air bag module                     | 2. Driver air bag module           | 3. Spiral cable                      |
| 4. Passenger air bag off indicator (Cut-off telltale) | 5. Diagnosis sensor unit (ACU)     | 6. Satellite sensor (LH/RH)          |
| 7. Front seat belt pre-tensioner (LH/RH)              | 8. Seat belt buckle switch (LH/RH) | 9. Front side air bag module (LH/RH) |
| 10. Curtain air bag module                            | 11. Crash zone sensor              | 12. OCS seat sensor mat              |
| 13. OCS control unit                                  |                                    |                                      |

### Component Description

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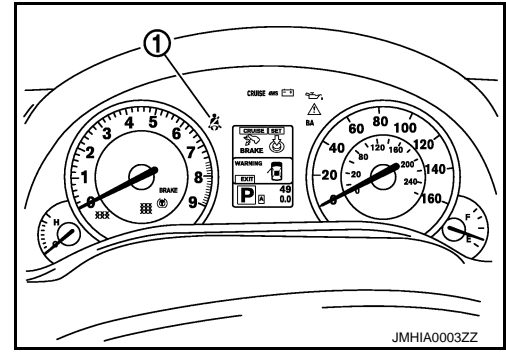
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# PASSENGER SEAT BELT WARNING SYSTEM

## < SYSTEM DESCRIPTION >

### Component parts

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



# DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000001833829

#### 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 [PG-95, "Fuse and Fusible Link Arrangement".](#))
- 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.

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SRC

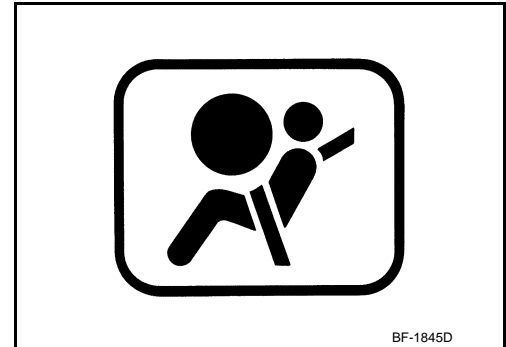
# DIAGNOSIS SYSTEM (AIRBAG)

## < SYSTEM DESCRIPTION >

### 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 style="text-align: right; font-size: small;">SHIA0011E</p>	<ul style="list-style-type: none"> <li>• No malfunction is detected.</li> <li>• No further action is necessary.</li> </ul>	—
<p style="text-align: right; font-size: small;">SHIA0012E</p>	<ul style="list-style-type: none"> <li>• The system is malfunctioning and needs to be repaired as indicated.</li> </ul>	Go to <a href="#">SRC-15. "Diagnosis Description"</a> .



# DIAGNOSIS SYSTEM (AIRBAG)

## < SYSTEM DESCRIPTION >

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0013E</p>	<ul style="list-style-type: none"> <li>Air bag is deployed.</li> <li>Seat belt pre-tensioner is deployed.</li> </ul>	Go to <a href="#">SRC-129, "Diagnosis Procedure"</a> or <a href="#">SRC-131, "Diagnosis Procedure"</a>
	<ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to <a href="#">SRC-147, "Diagnosis Procedure"</a> .
<p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to <a href="#">SRC-148, "Diagnosis Procedure"</a> .

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## 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.

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## CONSULT-III Function

INFOID:000000001833830

### DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"  
A current self-diagnosis results (also indicated with the number of warning lamp fblicking 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 is assigned with 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 same. Refer to [SR-16, "Removal and Installation"](#).

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## 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)

## < SYSTEM DESCRIPTION >

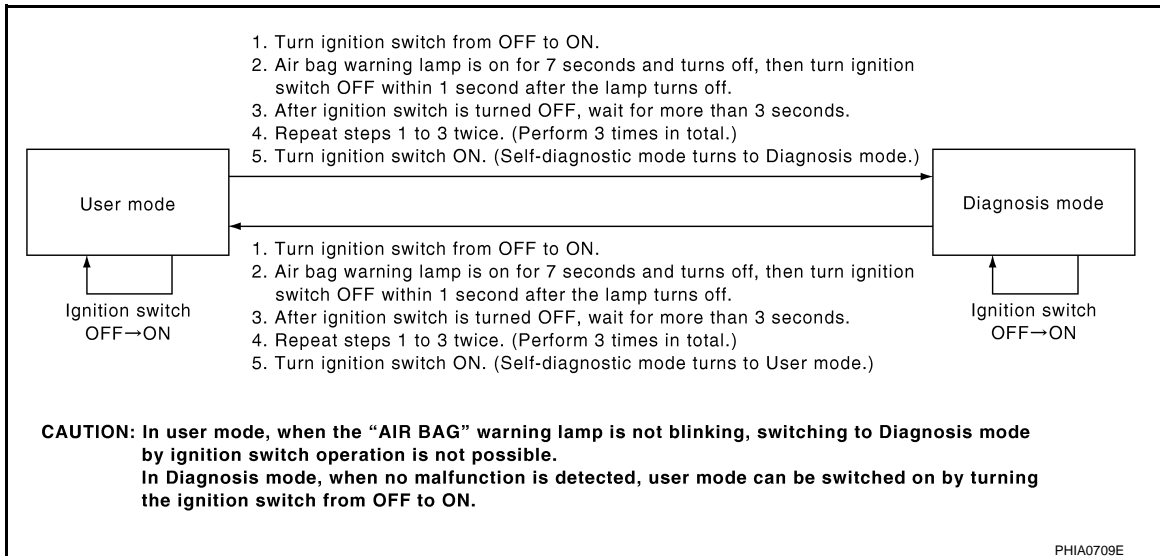
### From Diagnosis Mode to User Mode

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

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

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

#### Description

INFOID:000000001907947

#### 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 watches 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:000000001907948

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#### 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-20. "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

## < DTC/CIRCUIT DIAGNOSIS >

---

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-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907949

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001907950

### 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 watches 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:000000001907951

### 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-22, "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.

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907952

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001907953

### 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 watches 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:000000001907954

### 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-24, "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.

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907955

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-39, "Intermittent Incident"](#).



# B1017, B1020, B1021 OCCUPANT SENS C/U

< DTC/CIRCUIT DIAGNOSIS >

## B1017, B1020, B1021 OCCUPANT SENS C/U

### Description

INFOID:000000001907956

#### 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:000000001907957

#### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in occupant classification system control unit.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

#### 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-26, "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.

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## B1017, B1020, B1021 OCCUPANT SENS C/U

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907958

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 OCS 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-39, "Intermittent Incident"](#).

# B1018 OCCUPANT SENS

< DTC/CIRCUIT DIAGNOSIS >

## B1018 OCCUPANT SENS

### Description

INFOID:000000001907959

### 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:000000001907960

### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in occupant classification system sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-28. "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.

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## B1018 OCCUPANT SENS

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907961

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 OCS 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-39, "Intermittent Incident"](#).

# B1022 OCCUPANT SENS C/U

< DTC/CIRCUIT DIAGNOSIS >

## B1022 OCCUPANT SENS C/U

### Description

INFOID:000000001907962

### 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:000000001907963

### 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"><li>Disconnection of wiring harness.</li><li>Internal breakdown in occupant classification system control unit.</li><li>Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-30, "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.

## B1022 OCCUPANT SENS C/U

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907964

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 OCS 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-39, "Intermittent Incident"](#).

# B1023 PASS A/B INDCTR CKT

< DTC/CIRCUIT DIAGNOSIS >

## B1023 PASS A/B INDCTR CKT

### Description

INFOID:000000001907965

### 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:000000001907966

### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in passenger air bag cut-off indicator unit.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-32, "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  
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SRC

# B1023 PASS A/B INDCTR CKT

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907967

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-39, "Intermittent Incident"](#).



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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001907968

### 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:000000001907969

### 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-34, "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  
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P

SRC

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907970

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-39, "Intermittent Incident"](#).

# B1033, B1034 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

## B1033, B1034 CRASH ZONE SEN

### Description

INFOID:000000001907971

### 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:000000001907972

### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in crash zone sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-36, "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

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP-

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907973

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-39, "Intermittent Incident"](#).

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

## B1035, B1036, B1038, B1040 CRASH ZONE SEN

### Description

INFOID:000000001907974

### 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:000000001907975

### 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"><li>• Disconnection of wiring harness and open/short.</li><li>• Internal breakdown in crash zone sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>
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-38. "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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907976

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001907977

### 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:000000001907978

### 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-40, "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.

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907979

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-39, "Intermittent Incident"](#).



# B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1049, B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000001907980

### 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:000000001907981

### 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"> <li>• Disconnection of wiring harness and open.</li> <li>• Internal breakdown in driver air bag module.</li> <li>• Internal breakdown in spiral cable.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-42. "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

## < DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907982

With CONSULT-III

#### **WARNING:**

**Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**

### 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
M302	10 11	M35	28 30	Existed
M301	9 12		30 29	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10 11	Ground	Not existed
M301	9 12		

Is the inspection result normal?

## B1049, B1054 DRIVER AIRBAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

YES >> Check the intermittent incident. Refer to [GI-39. "Intermittent Incident"](#).  
NO >> Replace spiral cable.

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# B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1050, B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000001907983

#### 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:000000001907984

#### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in driver air bag module.</li><li>• Internal breakdown in spiral cable.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

#### 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.

# B1050, B1055 DRIVER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

### 2. CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907985

With CONSULT-III

#### **WARNING:**

**Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**

### 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
M302	10 11	M35	28 30	Existed
M301	9 12		30 29	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10 11	Ground	Not existed
M301	9 12		

Is the inspection result normal?

## B1050, B1055 DRIVER AIRBAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
- NO >> Replace spiral cable.

# B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1051, B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000001907986

### 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:000000001907987

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in driver air bag module.</li><li>• Internal breakdown in spiral cable.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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.

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# B1051, B1056 DRIVER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907988

With CONSULT-III

#### **WARNING:**

**Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**

### 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
M302	10 11	M35	28 30	Existed
M301	9 12		30 29	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10 11	Ground	Not existed
M301	9 12		

Is the inspection result normal?



## B1051, B1056 DRIVER AIRBAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

YES >> Check the intermittent incident. Refer to [GI-39. "Intermittent Incident"](#).  
NO >> Replace spiral cable.

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# B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1052, B1057 DRIVER AIRBAG MODULE

### Description

INFOID:000000001907989

#### 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:000000001907990

#### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in driver air bag module.</li><li>• Internal breakdown in spiral cable.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

#### 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.

# B1052, B1057 DRIVER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907991

With CONSULT-III

#### **WARNING:**

**Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes. (To discharge backup capacitor.)**

### 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
M302	10	M35	28	Existed
	11		30	
M301	9		30	
	12		29	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M301	9		
	12		

Is the inspection result normal?

## B1052, B1057 DRIVER AIRBAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
- NO >> Replace spiral cable.

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001907992

### 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:000000001907993

### 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-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.

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SRC

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001907994

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-39, "Intermittent Incident"](#).

# B1065, B1070 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1065, B1070 ASSIST A/B MODULE

### Description

INFOID:000000001907995

### 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:000000001907996

### 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"> <li>Disconnection of wiring harness and open.</li> <li>Internal breakdown in front passenger air bag module.</li> <li>Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-56, "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.

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SRC

## B1065, B1070 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001907997

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-39, "Intermittent Incident"](#).



# B1066, B1071 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1066, B1071 ASSIST A/B MODULE

### Description

INFOID:000000001907998

### 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:000000001907999

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front passenger air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-58, "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

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908000

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-39, "Intermittent Incident"](#).

# B1067, B1072 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1067, B1072 ASSIST A/B MODULE

### Description

INFOID:000000001908001

### 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:000000001908002

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front passenger air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-60, "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.

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SRC

## B1067, B1072 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908003

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-39, "Intermittent Incident"](#).

# B1068, B1073 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B1068, B1073 ASSIST A/B MODULE

### Description

INFOID:000000001908004

### 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:000000001908005

### 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"> <li>• Disconnection of wiring harness and short.</li> <li>• Internal breakdown in front passenger air bag module.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-56, "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  
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G  
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SRC

## B1068, B1073 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908006

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001908007

### 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:000000001908008

### 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-64, "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  
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F  
G  
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M  
N  
O  
P

SRC

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908009

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-39, "Intermittent Incident"](#).



# B1081 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

## B1081 PRE-TEN FRONT RH

### Description

INFOID:000000001908010

### 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:000000001908011

### 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"><li>• Disconnection of wiring harness and open.</li><li>• Internal breakdown in front RH seat belt pre-tensioner.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-66. "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.

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SRC

## B1081 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908012

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-39, "Intermittent Incident"](#).

# B1082 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

## B1082 PRE-TEN FRONT RH

### Description

INFOID:000000001908013

### 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:000000001908014

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front RH seat belt pre-tensioner.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-68. "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.

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## B1082 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908015

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-39, "Intermittent Incident"](#).

# B1083 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

## B1083 PRE-TEN FRONT RH

### Description

INFOID:000000001908016

### 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:000000001908017

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front RH seat belt pre-tensioner.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-70. "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.

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## B1083 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908018

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-39, "Intermittent Incident"](#).

# B1084 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

## B1084 PRE-TEN FRONT RH

### Description

INFOID:000000001908019

### 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:000000001908020

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front RH seat belt pre-tensioner.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-72. "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.

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P

## B1084 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908021

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-39, "Intermittent Incident"](#).



# B1086 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000001908022

### 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:000000001908023

### 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"> <li>• Disconnection of wiring harness and open.</li> <li>• Internal breakdown in front LH seat belt pre-tensioner.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-74. "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  
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F  
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P

SRC

# B1086 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908024

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-39, "Intermittent Incident"](#).

# B1087 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000001908025

### 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:000000001908026

### 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"> <li>• Disconnection of wiring harness and short.</li> <li>• Internal breakdown in front LH seat belt pre-tensioner.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-76. "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  
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G  
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SRC

# B1087 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908027

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-39, "Intermittent Incident"](#).

# B1088 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000001908028

### 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:000000001908029

### 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"> <li>Disconnection of wiring harness and short.</li> <li>Internal breakdown in front LH seat belt pre-tensioner.</li> <li>Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-78. "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  
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J  
K  
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N  
O  
P

SRC

## B1088 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908030

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-39, "Intermittent Incident"](#).

# B1089 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000001908031

### 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:000000001908032

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front LH seat belt pre-tensioner.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-80. "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  
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G  
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M  
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P

SRC

## B1089 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908033

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-39, "Intermittent Incident"](#).



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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001908034

### 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:000000001908035

### 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-82, "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.

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SRC

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908036

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-39, "Intermittent Incident"](#).

# B1113, B1114 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000001908037

### 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:000000001908038

### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in RH satellite sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-84, "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.

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## B1113, B1114 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908039

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-39, "Intermittent Incident"](#).

# B1115, B1116 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

## B1115, B1116 SATELLITE SENS RH

### Description

INFOID:000000001908040

### 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:000000001908041

### 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	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order.	<ul style="list-style-type: none"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in RH satellite sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>
B1116			

### 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-86, "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.

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SRC

## B1115, B1116 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908042

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-39, "Intermittent Incident"](#).

# B1118, B1119 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

## B1118, B1119 SATELLITE SENS LH

### Description

INFOID:000000001908043

### 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:000000001908044

### 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"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in LH satellite sensor.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-88, "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

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908045

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-39, "Intermittent Incident"](#).



# B1120, B1121 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

## B1120, B1121 SATELLITE SENS LH

### Description

INFOID:000000001908046

### 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:000000001908047

### 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	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sensor is out of order.	<ul style="list-style-type: none"><li>• Disconnection of wiring harness.</li><li>• Internal breakdown in LH satellite sens.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>
B1121			

### 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-90, "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.

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SRC

## B1120, B1121 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908048

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001908049

### 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:000000001908050

### 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-92, "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.

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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908051

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-39, "Intermittent Incident"](#).

# B1129 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1129 SIDE MODULE RH

### Description

INFOID:000000001908052

### DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908053

### 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"><li>• Disconnection of wiring harness and open.</li><li>• Internal breakdown in front RH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-94, "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.

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## B1129 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908054

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-39, "Intermittent Incident"](#).

# B1130 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1130 SIDE MODULE RH

### Description

INFOID:000000001908055

### 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: LH satellite sensor, right side: RH 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:000000001908056

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front RH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-96, "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.

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SRC

## B1130 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908057

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-39, "Intermittent Incident"](#).



# B1131 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1131 SIDE MODULE RH

### Description

INFOID:000000001908058

### 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: LH satellite sensor, right side: RH 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:000000001908059

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front RH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-98, "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

## B1131 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908060

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-39, "Intermittent Incident"](#).

# B1132 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1132 SIDE MODULE RH

### Description

INFOID:000000001908061

### DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908062

### 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"> <li>• Disconnection of wiring harness and short.</li> <li>• Internal breakdown in front RH side air bag module.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-100, "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

## B1132 SIDE MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908063

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-39, "Intermittent Incident"](#).

# B1134 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1134 SIDE MODULE LH

### Description

INFOID:000000001908064

### DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908065

### 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"> <li>• Disconnection of wiring harness and open.</li> <li>• Internal breakdown in front LH side air bag module.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-102, "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

## B1134 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908066

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-39, "Intermittent Incident"](#).

# B1135 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1135 SIDE MODULE LH

### Description

INFOID:000000001908067

### 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: LH satellite sensor, right side: RH 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:000000001908068

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front LH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-104, "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

## B1135 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908069

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-39, "Intermittent Incident"](#).



# B1136 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1136 SIDE MODULE LH

### Description

INFOID:000000001908070

### 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: LH satellite sensor, right side: RH 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:000000001908071

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front LH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-106, "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

## B1136 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908072

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-39, "Intermittent Incident"](#).

# B1137 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1137 SIDE MODULE LH

### Description

INFOID:000000001908073

### DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908074

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in front LH side air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-108, "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

## B1137 SIDE MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908075

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-39, "Intermittent Incident"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

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

### Description

INFOID:000000001908076

### 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 watches 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:000000001908077

### 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-110, "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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908078

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-39, "Intermittent Incident"](#).

# B1145 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000001908079

### DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908080

### 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"><li>• Disconnection of wiring harness and open.</li><li>• Internal breakdown in RH side curtain air bag module.</li><li>• Replace diagnosis sensor unit (ACU).</li></ul>

### 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-112, "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

# B1145 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908081

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-39, "Intermittent Incident"](#).



# B1146 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000001908082

### 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: LH satellite sensor, right side: RH 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:000000001908083

### 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"> <li>• Disconnection of wiring harness and short.</li> <li>• Internal breakdown in RH side curtain air bag module.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-114, "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

# B1146 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908084

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-39, "Intermittent Incident"](#).

# B1147 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000001908085

### 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: LH satellite sensor, right side: RH 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:000000001908086

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in RH side curtain air bag module.</li><li>• Replace diagnosis sensor unit (ACU).</li></ul>

### 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-116, "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

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908087

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-39, "Intermittent Incident"](#).

# B1148 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000001908088

### DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908089

### 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"> <li>• Disconnection of wiring harness and short.</li> <li>• Internal breakdown in RH side curtain air bag module.</li> <li>• Internal breakdown in diagnosis sensor unit (ACU).</li> </ul>

### 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-118, "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

# B1148 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908090

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-39, "Intermittent Incident"](#).

# B1150 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000001908091

### DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908092

### 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"><li>• Disconnection of wiring harness and open.</li><li>• Internal breakdown in LH side curtain air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-120, "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

## B1150 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908093

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-39, "Intermittent Incident"](#).



# B1151 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000001908094

### 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: LH satellite sensor, right side: RH 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:000000001908095

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in LH side curtain air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-122, "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

# B1151 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).  
NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908096

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-39, "Intermittent Incident"](#).

# B1152 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000001908097

### 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: LH satellite sensor, right side: RH 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:000000001908098

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in LH side curtain airbag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-124, "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

SRC

I

J

K

L

M

N

O

P

## B1152 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908099

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-39, "Intermittent Incident"](#).

# B1153 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B1153 CURTAIN MODULE LH

### Description

INFOID:000000001908100

### DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side: LH satellite sensor, right side: RH 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:000000001908101

### 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"><li>• Disconnection of wiring harness and short.</li><li>• Internal breakdown in LH side curtain air bag module.</li><li>• Internal breakdown in diagnosis sensor unit (ACU).</li></ul>

### 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-126, "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

## B1153 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908102

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-39, "Intermittent Incident"](#).

# B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000001908103

### 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 watches 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:000000001908104

### 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-128, "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

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2.

## 2.CHECK AIR BAG WARNING LAMP

---

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

## Diagnosis Procedure

INFOID:000000001908105

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-39, "Intermittent Incident"](#).



# B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000001908106

### 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-16, "Removal and Installation"](#), [SB-6, "SEAT BELT RETRAC-TOR : Removal and Installation"](#), [SR-4, "Removal and Installation"](#), [SR-10, "Removal and Installation"](#).

### DTC Logic

INFOID:000000001908107

### 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-129, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908108

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

## < DTC/CIRCUIT 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.
- 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.
- 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).
- 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-42. "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.

## 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-39. "Intermittent Incident"](#).

# B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000001908109

### 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-15. "Removal and Installation"](#), [SR-16. "Removal and Installation"](#), [SR-12. "Removal and Installation"](#).

### DTC Logic

INFOID:000000001908110

### 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-131. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

### Diagnosis Procedure

INFOID:000000001908111

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?

A  
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D  
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J  
K  
L  
M  
N  
O  
P

## B1210 SIDE COLLISION DETECTION

### < DTC/CIRCUIT DIAGNOSIS >

---

- YES >> Replace front side air bag module.  
NO >> GO TO 2.

### 2.CHECK SIDE CURTAIN AIR BAG MODULE

---

Check for side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module.  
NO >> GO TO 3.

### 3.CHECK SATELLITE SENSOR

---

Check for satellite sensor.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace satellite sensor.  
NO >> GO TO 4.

### 4.CHECK DIAGNOSIS SENSOR UNIT

---

Check for diagnosis sensor unit.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace diagnosis sensor unit (ACU).  
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-39. "Intermittent Incident"](#).

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000001908112

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. <ul style="list-style-type: none"> <li>• Low battery voltage (Less than 9 V)</li> <li>• Self-diagnosis result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after repair.</li> <li>• Intermittent malfunction has been detected in the past.</li> </ul>	<ul style="list-style-type: none"> <li>• Go to <a href="#">SRC-15, "Diagnosis Description"</a>.</li> </ul>
	<ul style="list-style-type: none"> <li>• No malfunction is detected.</li> </ul>	—
CONTROL UNIT [B1001-B1015]	<ul style="list-style-type: none"> <li>• Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace diagnosis sensor unit (ACU).</li> </ul>
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-CU.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness / harness connector.</li> <li>2. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
OCCUPANT SENS [UNIT FAIL] [B1018]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-SENS.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness / harness connector.</li> <li>2. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
OCCUPANT SENS C/U [COMM FAIL] [B1022]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-CU, circuit of OCS-CU~ACU, or ACU.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness / harness connector.</li> <li>2. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
PASS A/B INDCTR CKT [B1023]	<ul style="list-style-type: none"> <li>• Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness / harness connector.</li> <li>2. Replace passenger air bag off indicator.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
CONTROL UNIT [B1026-B1031]	<ul style="list-style-type: none"> <li>• Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace diagnosis sensor unit (ACU).</li> </ul>

## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
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]	<ul style="list-style-type: none"> <li>• Crash zone sensor is out of order.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness / harness connector.</li> <li>2. Replace crash zone sensor.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> <li>• Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace diagnosis sensor unit (ACU).</li> </ul>
DRIVER AIRBAG MOD- ULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is open. (including the spiral cable.)</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness/harness connector.</li> <li>2. Replace driver air bag module.</li> <li>3. Replace spiral cable. Refer to <a href="#">SRC-42. "Diagnosis Procedure"</a>.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
DRIVER AIRBAG MOD- ULE [VB-SHORT] [B1050] [B1055]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.)</li> </ul>	<ol style="list-style-type: none"> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
DRIVER AIRBAG MOD- ULE [GND-SHORT] [B1051] [B1056]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is shorted to ground. (including the spiral cable.)</li> </ul>	
DRIVER AIRBAG MOD- ULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> <li>• Driver air bag module circuits are shorted to each other. (including spiral cable.)</li> <li>• Driver air bag module circuit is shorted to itself.</li> </ul>	
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> <li>• Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace diagnosis sensor unit (ACU).</li> </ul>
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>1. Repair or replace wiring harness/harness connector.</li> <li>2. Replace front passenger air bag module.</li> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is shorted to some power supply circuit.</li> </ul>	<ol style="list-style-type: none"> <li>3. Replace diagnosis sensor unit (ACU).</li> </ol>
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is shorted to ground.</li> </ul>	
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuits are shorted to each other.</li> <li>• Front passenger air bag module circuit is shorted to itself.</li> </ul>	
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> <li>• Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace diagnosis sensor unit (ACU).</li> </ul>

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
PRE-TEN FRONT RH [OPEN] [B1081]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace front RH seat belt pre-tensioner.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	A
PRE-TEN FRONT RH [VB-SHORT] [B1082]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit.</li> </ul>		B
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuit is shorted to ground.</li> </ul>		C
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> <li>Front RH seat belt pre-tensioner circuits are shorted to each other.</li> <li>Front RH seat belt pre-tensioner circuit is shorted to itself.</li> </ul>		D
PRE-TEN FRONT LH [OPEN] [B1086]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace front LH seat belt pre-tensioner.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	E
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit.</li> </ul>		F
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuit is shorted to ground.</li> </ul>		G
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuits are shorted to each other.</li> <li>Front LH seat belt pre-tensioner circuit is shorted to itself.</li> </ul>		H
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>	I
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	<ul style="list-style-type: none"> <li>RH satellite sensor is out of order.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace RH satellite sensor.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	J
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	<ul style="list-style-type: none"> <li>LH satellite sensor is out of order.</li> </ul>		K
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>	L

SRC

## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
SIDE MODULE RH [OPEN] [B1129]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace front RH side air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	
SIDE MODULE RH [VB-SHORT] [B1130]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is shorted to some power supply circuit.</li> </ul>		
SIDE MODULE RH [GND-SHORT] [B1131]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is shorted to ground.</li> </ul>		
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> <li>Front LH seat belt pre-tensioner circuits are shorted to each other.</li> <li>Front LH seat belt pre-tensioner circuit is shorted to itself.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace front LH side air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is open.</li> </ul>		
SIDE MODULE LH [VB-SHORT] [B1135]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to some power supply circuit.</li> </ul>		
SIDE MODULE LH [GND-SHORT] [B1136]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to ground.</li> </ul>		
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuits are shorted to each other.</li> <li>Front LH side air bag module circuit is shorted to itself.</li> </ul>		
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>		<ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>
CURTAIN MODULE RH [OPEN] [B1145]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is open.</li> </ul>		<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace RH side curtain air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to some power supply circuit.</li> </ul>		
CURTAIN MODULE RH [GND-SHORT] [B1147]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to ground.</li> </ul>		
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuits are shorted to each other.</li> <li>RH side curtain air bag module circuit is shorted to itself.</li> </ul>		
CURTAIN MODULE LH [OPEN] [B1150]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>Repair or replace wiring harness/harness connector.</li> <li>Replace LH side curtain air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to some power supply circuits.</li> </ul>		
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to ground.</li> </ul>		
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuits are shorted to each other.</li> <li>LH side curtain air bag module circuit is shorted to itself.</li> </ul>		
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>		<ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>



# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
FRONTAL COLLISION DETECTION [B1209]	• Seat belt pre-tensioner and front air bag is deployed.	• Go to <a href="#">SRC-129, "Diagnosis Procedure"</a> .
SIDE COLLISION DETECTION [B1210]	• Side and curtain air bag is deployed.	• Go to <a href="#">SRC-131, "Diagnosis Procedure"</a> .

## 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> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p>	<p>1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</p>

PHIA0532E

Flash pattern	Repair order
<p>&lt;Diagnosis sensor unit&gt;</p> <p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>7 flashes</p>	<p>1. Replace the diagnosis sensor unit (ACU).</p>

JMHA0034GB

Flash pattern	Repair order
<p>&lt;Occupant classification system&gt;</p> <p>a through d are repeated.</p> <p>d: Five flashes indicate malfunctioning OCS control unit.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>5 flashes</p>	<p>1. Visually check the wiring harness connection.</p> <p>2. Replace the harness if it has visible damage.</p> <p>3. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</p> <p>4. Replace the diagnosis sensor unit (ACU).</p>

JMHA0045GB

Flash pattern	Repair order
<p>&lt;Front passenger air bag off indicator&gt;</p> <p>a through d are repeated.</p> <p>d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>2 sec.</p> <p>0.5 sec.</p> <p>3 sec.</p> <p>2 sec.</p> <p>11 flashes</p>	<p>1. Visually check the wiring harness connection.</p> <p>2. Replace the harness if it has visible damage.</p> <p>3. Replace front passenger air bag off indicator unit.</p> <p>4. Replace the diagnosis sensor unit (ACU).</p>

JMHA0046GB

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

<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"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

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"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

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"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0038GB

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

<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> <p>3 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

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<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> <p>4 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

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<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> <p>1 flash</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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> <p>2 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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> <p>5 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

<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> <p>ON OFF</p> <p>7 sec.</p> <p>a b c d e f</p> <p>1.5 sec. 1.5 sec.</p> <p>2 sec. 0.5 sec. 0.5 sec.</p> <p>6 flashes</p> <p>a b c d</p> <p>2 sec.</p>	<ol style="list-style-type: none"><li>1. Visually check the wiring harness connection.</li><li>2. Replace the harness if it has visible damage.</li><li>3. Replace the LH side curtain air bag module.</li><li>4. Replace the diagnosis sensor unit (ACU).</li></ol>

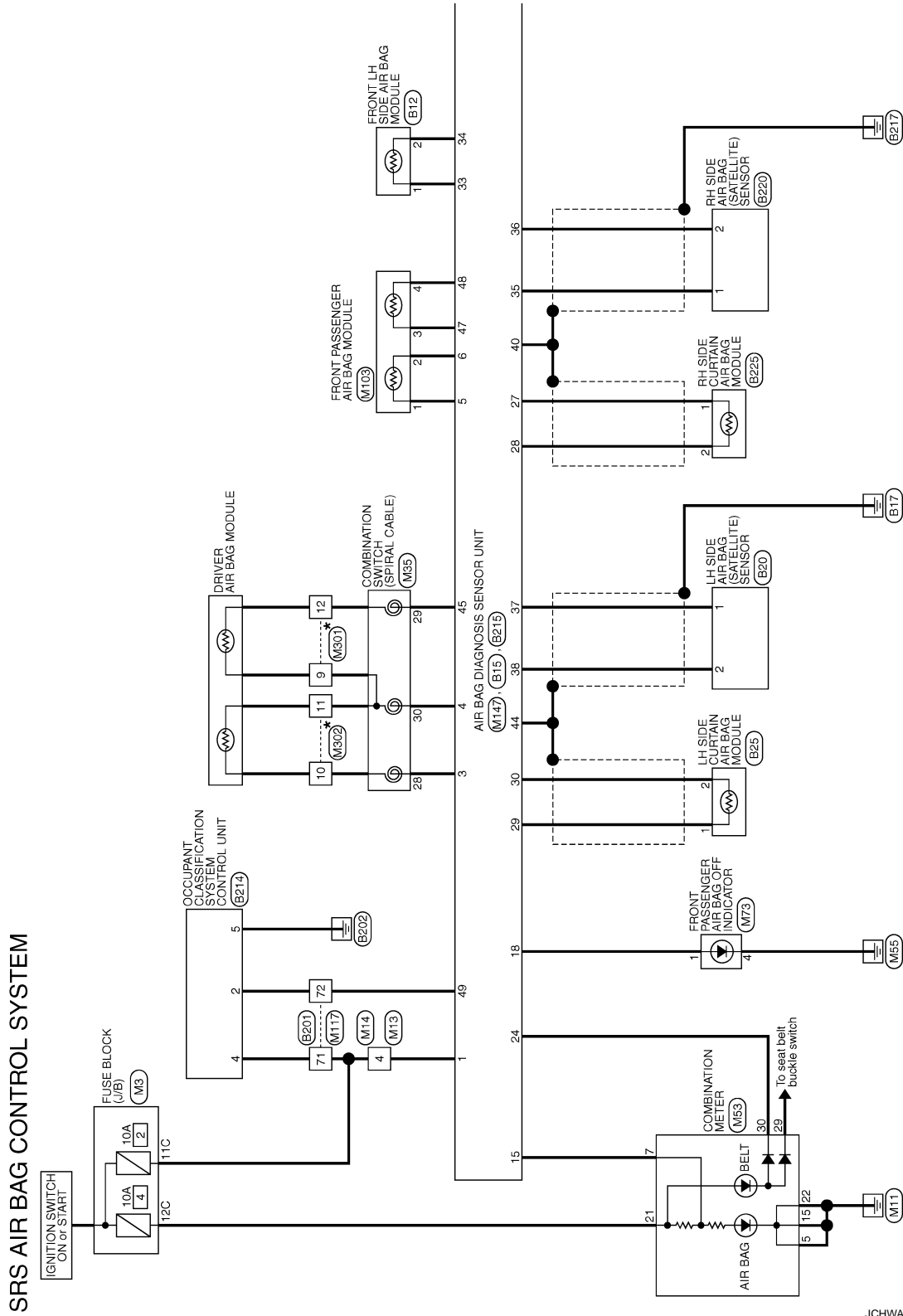
JMHA0044GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:000000001833997



\*. This connector is not shown in "Harness Layout".

2007/06/15

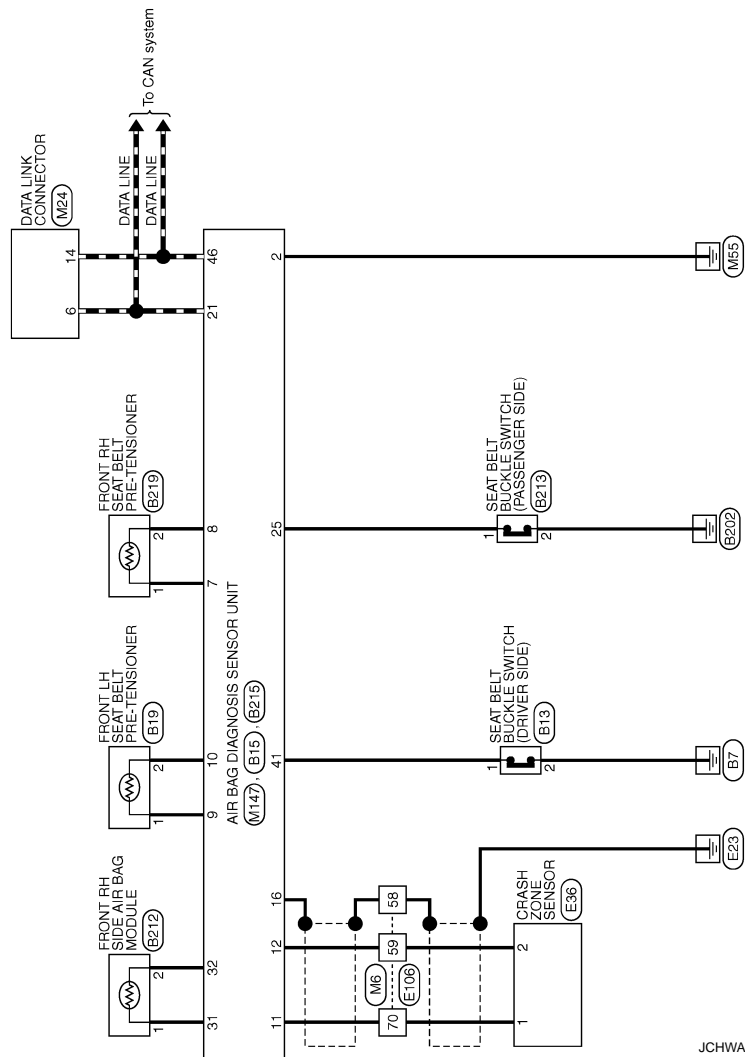
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >



JCHWA0113GB

# DIAGNOSIS SENSOR UNIT

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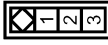
## SRS AIR BAG CONTROL SYSTEM

Connector No.	B12
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



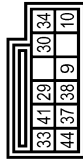
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	Y	

Connector No.	B13
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	B	

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	PLH(+)
10	Y	PLH(-)
29	G	GLH(+)
30	R	GLH(-)
33	Y	SLH(+)
34	Y	SLH(-)
37	P	SATELLITE LH(+)
38	L	SATELLITE LH(-)
41	SB	LH BUCKLE SW INPUT
44	SHIELD	GND

Connector No.	B19
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	Y	

Connector No.	B20
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	TK02FY-1V-EX



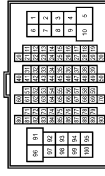
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	L	

Connector No.	B25
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	R	

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Type	TH05FW-CSI (P-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
71	R	
72	V	

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	Y	

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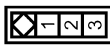
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

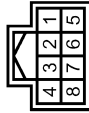
## SRS AIR BAG CONTROL SYSTEM

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	AC3FW



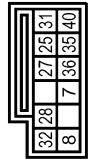
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH88FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

Connector No.	B215
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	PRH(+)
8	Y	PRH(-)
25	LG	RH BUCKLE SW INPUT
27	P	GRH(+)
28	L	GRH(-)
31	Y	SRH(+)
32	Y	SRH(-)
35	G	SATELLITE RH(+)
36	R	SATELLITE RH(-)
40	SHIELD	GND

Connector No.	B219
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B220
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	TK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	B225
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	E36
Connector Name	CRASH ZONE SENSOR
Connector Type	TK02FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH88PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
58	SHIELD	-
59	L	-
70	P	-

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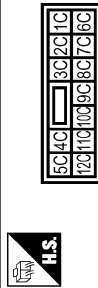


# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

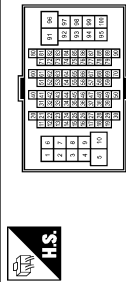
## SRS AIR BAG CONTROL SYSTEM

Connector No.	M3
Connector Name	FUSE BLOCK (W/B)
Connector Type	NS12FW-GS



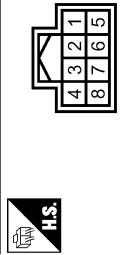
Terminal No.	Color of Wire	Signal Name [Specification]
11C	LG	-
12C	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS(E-TM)



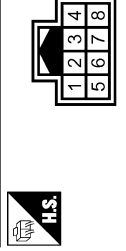
Terminal No.	Color of Wire	Signal Name [Specification]
58	SHIELD	-
59	V	-
70	SB	-

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



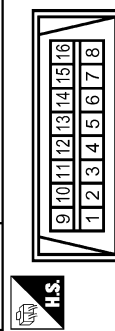
Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-

Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



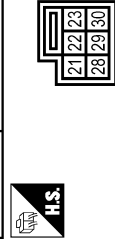
Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



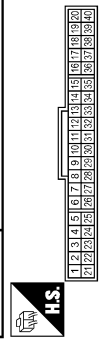
Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EK-IV



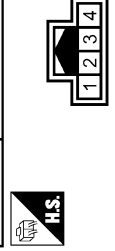
Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

Connector No.	M35
Connector Name	COMBINATION METER
Connector Type	SAB06FW



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	GND
7	LG	AIR BAG
15	B	GND
21	R	IGN
22	B	GND
29	L	SEAT BELT BUCKLE SW (DRIVER SIDE)
30	G	SEAT BELT

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH08MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	B	-

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	M103
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	RKQMFY-BD



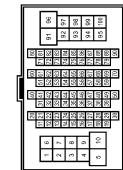
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA03F0R



Terminal No.	Color of Wire	Signal Name [Specification]
9	-	-
12	-	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS/G-TM4



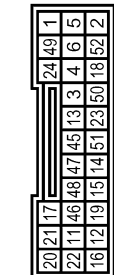
Terminal No.	Color of Wire	Signal Name [Specification]
71	R	-
72	L	-

Connector No.	M302
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	1K23FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DRL (+)
4	Y	DRL (-) DR2 (-)
5	Y	ASI (+)
6	Y	ASI (-)
11	SB	EG2S (+)
12	V	EG2S (-)
15	LG	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE

21	L	CAN-H
24	G	SEAT BELT
45	Y	DR2 (+)
46	P	CAN-L
47	Y	AS2 (+)
48	Y	AS2 (-)
49	L	ODS INPUT

# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

#### Diagnosis Procedure

INFOID:000000001907942

#### 1.CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-129](#) or [SRC-131, "Diagnosis Procedure"](#).

NO >> GO TO 2.

#### 2.CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-95, "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-16, "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-39, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

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# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

---

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000001907943

“SRS AIR BAG” Warning Lamp Does Not Turn ON

#### 1.CHECK METER FUSE

---

Check the meter fuse. Refer to [PG-95, "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-16, "Exploded View"](#).

NO >> Replace combination meter assembly. Refer to [MWI-158, "Removal and Installation"](#).

# PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

## PASSENGER SEAT BELT WARNING SYSTEM

### Diagnosis Procedure

INFOID:000000001907944

#### 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.

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

#### Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000003034982

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 AIR BAG" 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 AIR BAG".
- 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.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### **WARNING:**

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### Service

INFOID:000000001834001

- 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 function 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:000000001834002

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-53. "Removal and Installation"](#).