

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

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# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

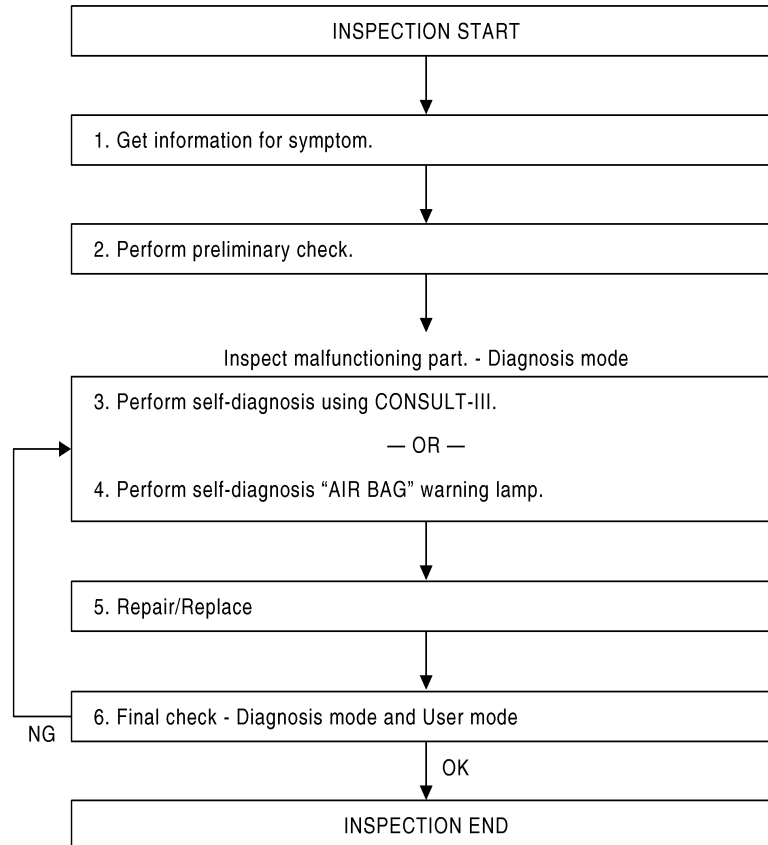
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



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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 >> GO TO 3 or GO TO 4.

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

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

## DIAGNOSIS AND REPAIR WORK FLOW

### < BASIC INSPECTION >

---

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

### 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-14, "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 >> GO TO 3 or GO TO 4.

# SRS AIR BAG SYSTEM

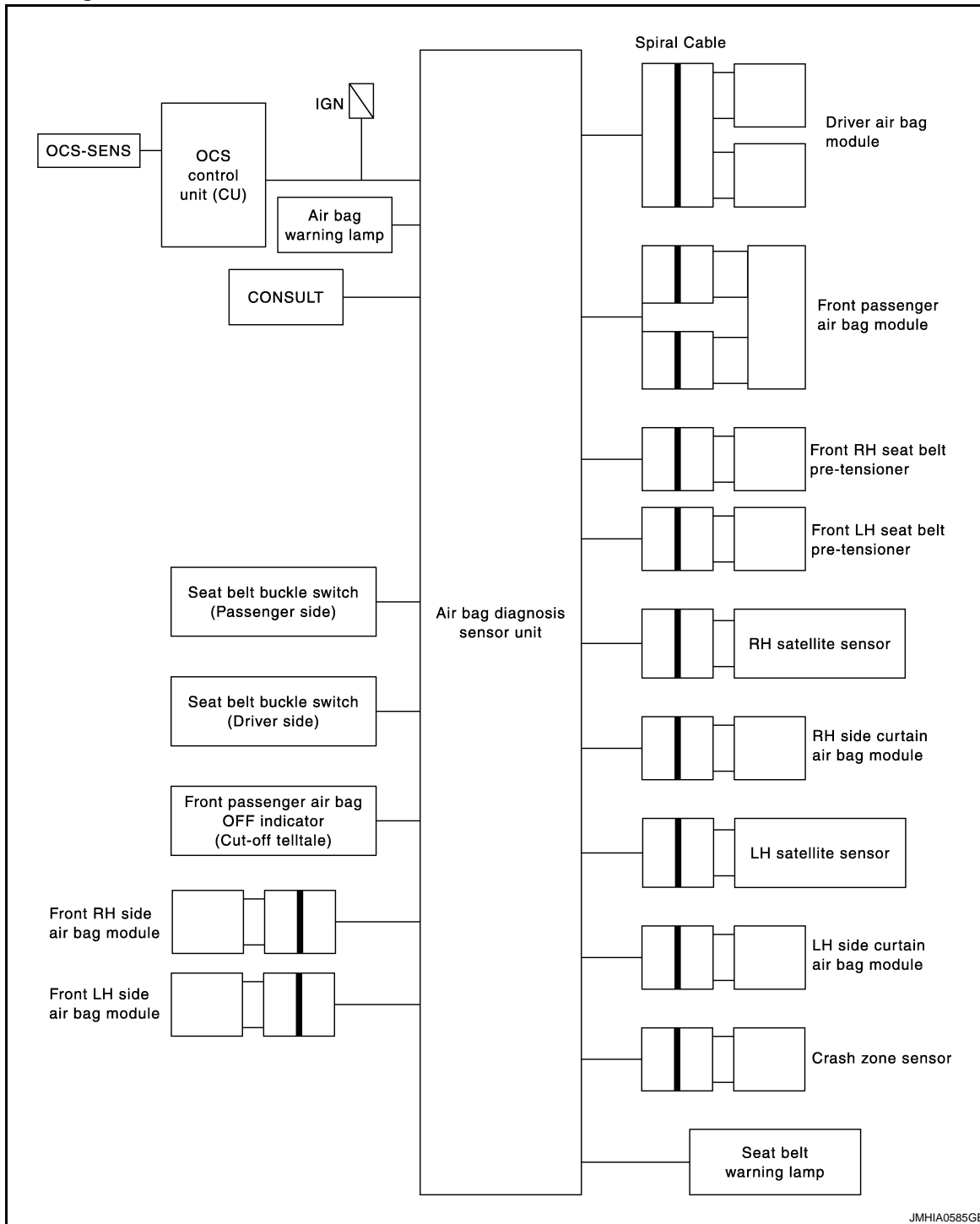
< FUNCTION DIAGNOSIS >

## FUNCTION DIAGNOSIS

### SRS AIR BAG SYSTEM

#### System Diagram

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#### System Description

INFOID:000000003591503

This SRS Air Bag System has the following function.

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

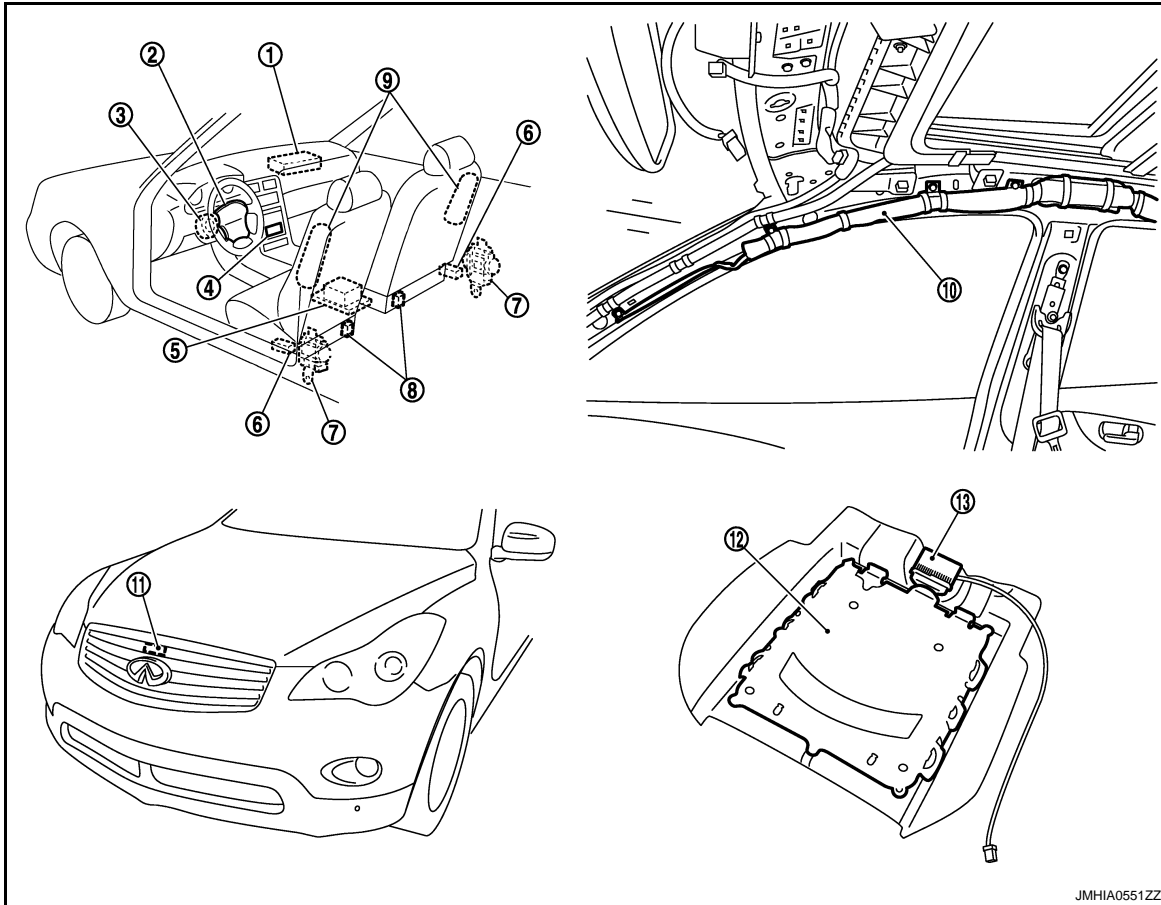
# SRS AIR BAG SYSTEM

## < FUNCTION DIAGNOSIS >

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

## Component Parts Location

INFOID:000000003591504



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- |   |   |   |
|---|---|---|
| 1. Front passenger air bag module M103                            | 2. Driver air bag module M30, M302  | 3. Combination switch (Spiral cable) M35                      |
| 4. Front passenger air bag OFF indicator M73                      | 5. Air bag diagnosis sensor unit M147, B15, B215  | 6. Satellite sensor (LH/RH)<br>• LH B20<br>• RH B220          |
| 7. Front seat belt pre-tensioner (LH/RH)<br>• LH B39<br>• RH B219 | 8. Seat belt buckle switch (Driver side/Passenger side)<br>• Driver side B13<br>• Passenger side B213 | 9. Front side air bag module (LH/RH)<br>• LH B12<br>• RH B212 |
| 10. Side curtain air bag module<br>• LH B25<br>• RH B225          | 11. Crash zone sensor E36   | 12. Occupant Classification System seat sensor mat            |
| 13. Occupant Classification System control unit B214              |   |   |

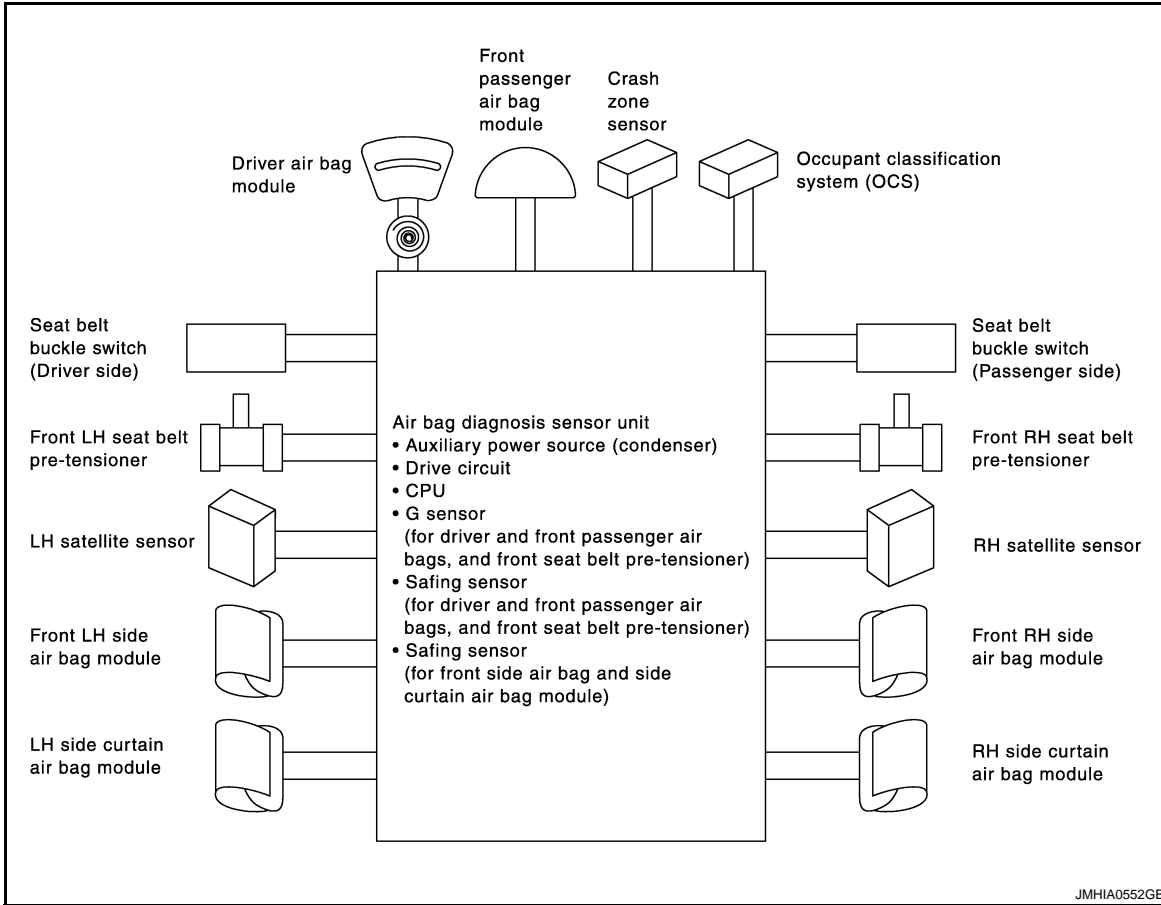


# SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

## Component Description

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

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module. Refer to <a href="#">SRC-124</a>	×	—	—
Front passenger air bag module. Refer to <a href="#">SRC-124</a>	×	—	—
Front LH seat belt pre-tensioner. Refer to <a href="#">SRC-124</a>	×	—	—
Front RH seat belt pre-tensioner. Refer to <a href="#">SRC-124</a>	×	—	—
Front LH side air bag module. Refer to <a href="#">SRC-126</a>	—	×	—
Front RH side air bag module. Refer to <a href="#">SRC-126</a>	—	—	×
LH side curtain air bag module. Refer to <a href="#">SRC-126</a>	—	×	—
RH side curtain air bag module. Refer to <a href="#">SRC-126</a>	—	—	×

×: Application, —: Not application

# OCCUPANT CLASSIFICATION SYSTEM

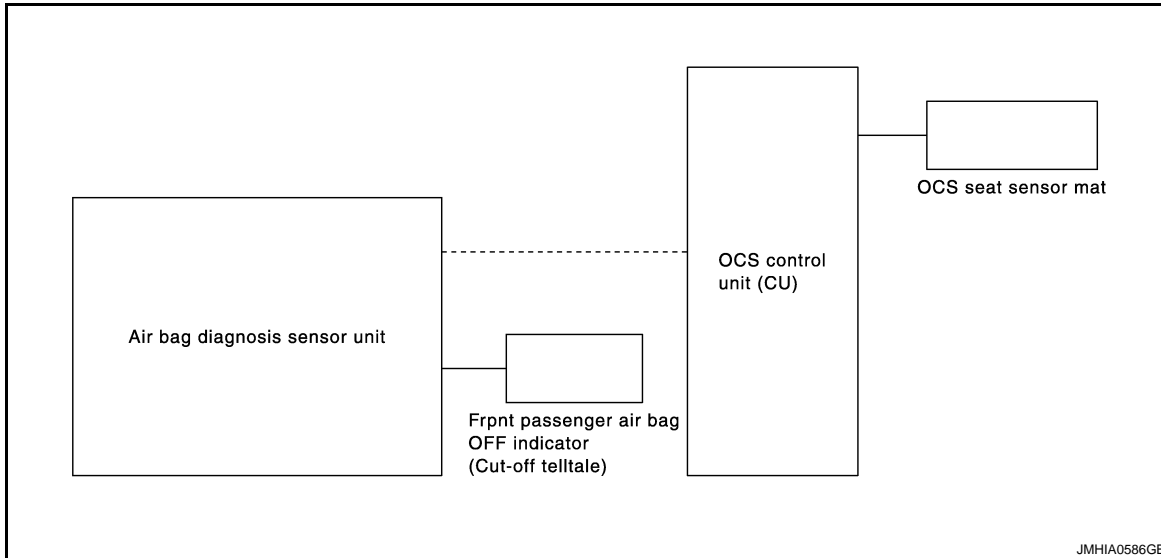
< FUNCTION DIAGNOSIS >

## OCCUPANT CLASSIFICATION SYSTEM

### System Diagram

INFOID:000000003591506

### OCCUPANT CLASSIFICATION SYSTEM



### System Description

INFOID:000000003591507

This Occupant Classification System (OCS) has the following function.

1. Suppress the deployment of front passenger air bag when front passenger seat is empty, or when occupied by child and child-seat. Turns on front passenger air bag OFF indicator (Cut-off telltale) when front passenger seat is occupied by child-seat and child.
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT-III.

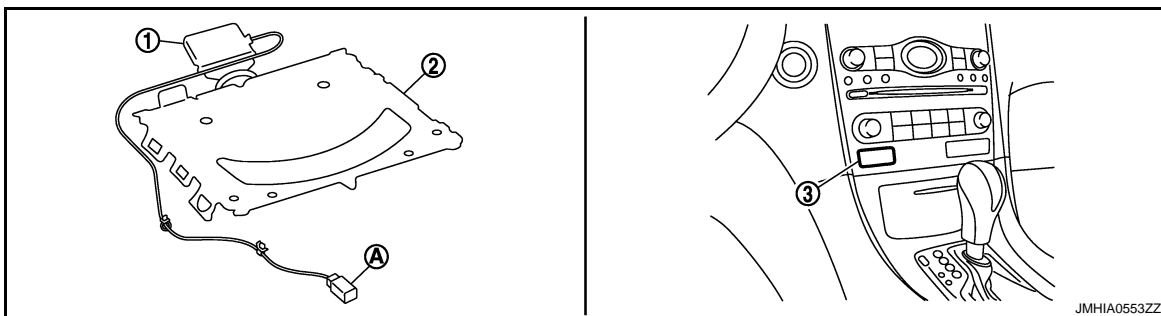
**NOTE:**

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

Status (front passenger seat)	Passenger air bag	Front 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
Malfunction	Suppress	On	Blinking	Off

### Component Parts Location

INFOID:000000003591508



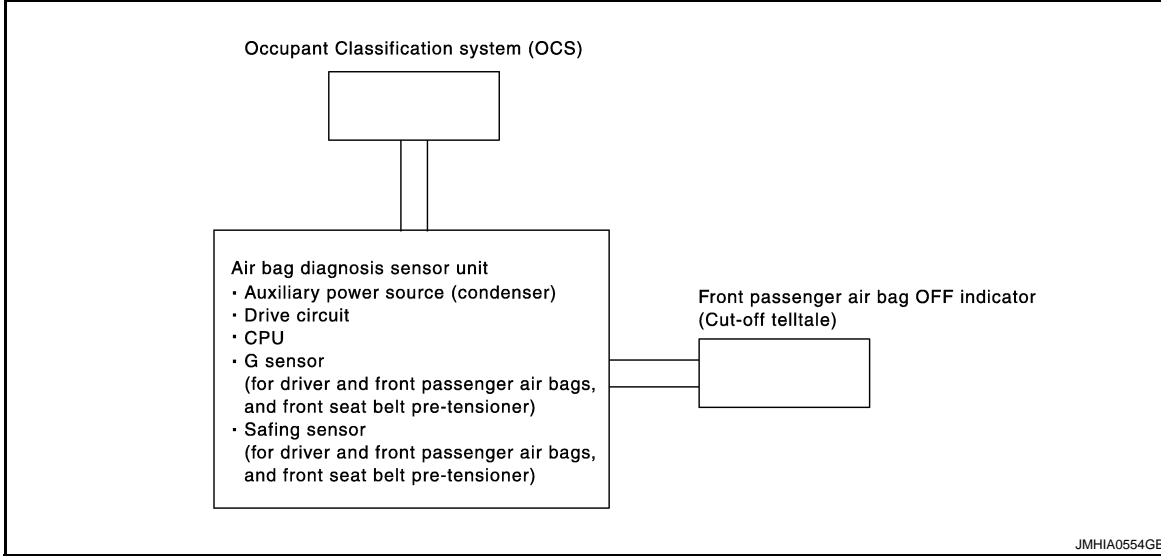
# OCCUPANT CLASSIFICATION SYSTEM

## < FUNCTION DIAGNOSIS >

- |   |                        |  |   |
|---|------------------------|--|---|
| 1. Occupant classification system control unit B214                         | 2. OCS seat sensor mat | 3. Passenger air bag OFF indicator M73 | A |
| A. Occupant classification system control unit harness connector B202, B261 |                        |  | B |

## Component Description

INFOID:000000003591509



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Component parts	Outline of function
OCS seat sensor mat	Detects if the passenger seat is empty or occupied
Occupant classification system control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit
Front passenger air bag OFF indicator	Turns the front passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a child-seat

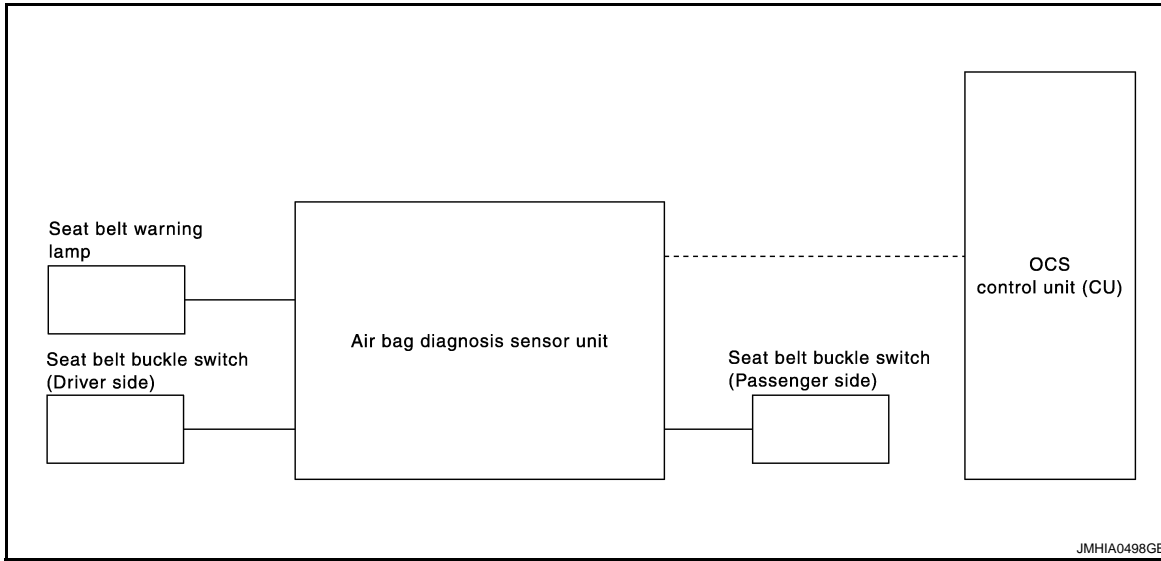
# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

## PASSENGER SEAT BELT WARNING SYSTEM

### System Diagram

INFOID:000000003591510



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### System Description

INFOID:000000003591511

This Passenger Seat Belt Warning System has the following function.

Turns ON seat belt warning lamp, when the Occupant Classification System (OCS) judges adult or child in the front 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 side seat belt buckle switch is not on, This does not relate to the air bag diagnosis sensor unit. (Refer to BCM.)

**NOTE:**

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

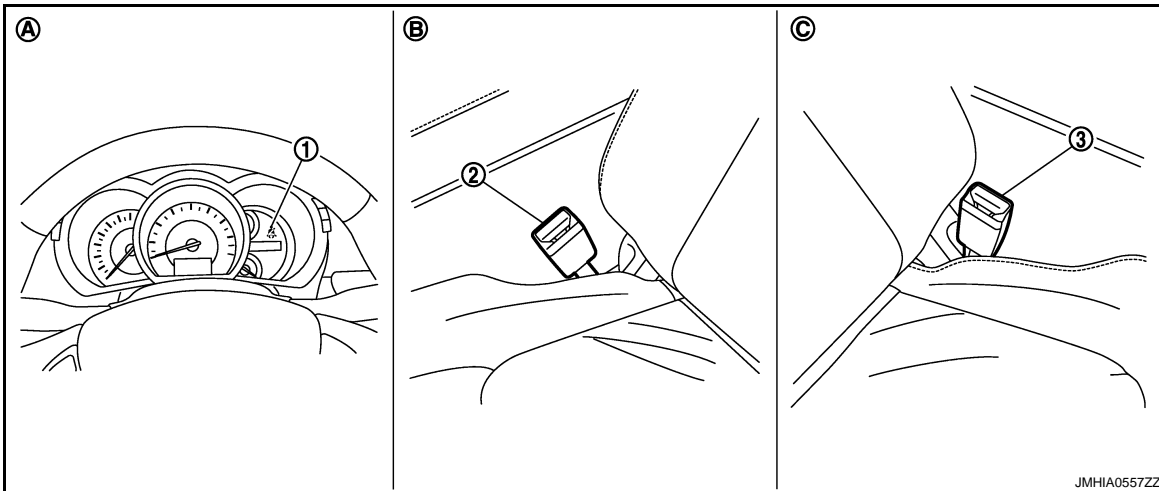
Status (front passenger seat)	Passenger air bag	Front passenger air bag OFF indicator (Cut-off telltale)	Air bag warning lamp	Seat belt warning lamp (When front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Malfunction	Suppress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

# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

## Component Parts Location

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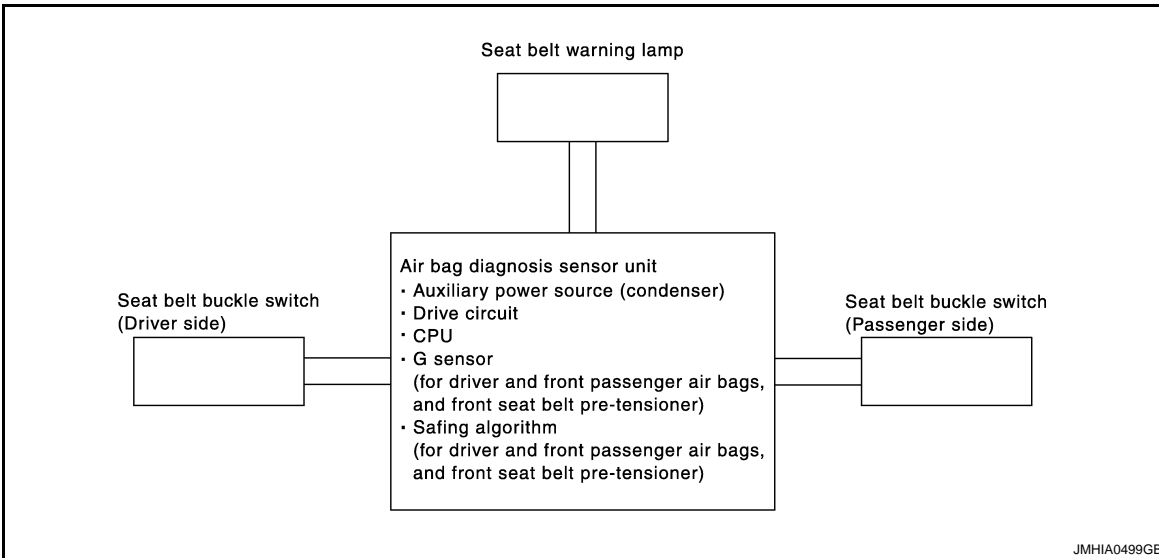


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1. Combination meter (Seat belt warning lamp) M35
  2. Seat belt buckle switch (Driver side) B13
  3. Seat belt buckle switch (Passenger side) B213
- A. Combination meter      B. Driver side      C. Passenger side

## Component Description

INFOID:000000003591513



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Component parts	Outline of function
Seat belt buckle switch (Driver side)	Detects if the driver side seat belt is fastened or unfastened <b>NOTE:</b> Lighting of a seat belt warning lamp and a seat belt alarm are outputted when the seat belt buckle switch (driver side) is not put on, but it does not relate to an air bag diagnosis sensor unit
Seat belt buckle switch (Passenger side)	Detects if the seat belt buckle switch (passenger side) is fastened or unfastened
Seat belt warning lamp	Turns the seat belt warning lamp ON when the seat belt is unfastened

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000003591514

#### CAUTION:

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

#### DIAGNOSIS FUNCTION

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

	User mode	Diagnosis mode	Display type
Air bag warning lamp	X	X	ON-OFF operation
CONSULT-III	-	X	Monitoring

#### HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

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

Information from Customer.

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

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [SRC-136, "Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -"](#)).
- System component-to-harness connections.

#### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (WITH CONSULT-III)

- "SELF-DIAG [CURRENT]"  
A current self-diagnosis result is displayed on CONSULT-III screen in real time.  
After the malfunction is repaired completely, no malfunction is detected on "SELF-DIAG [CURRENT]".
- "SELF-DIAG [PAST]"  
Return to "SELF-DIAG [CURRENT]" CONSULT-III screen by touching "BACK" key of CONSULT-III and select "SELF-DIAG [CURRENT]" in SELECT DIAG MODE. Touch "ERASE" in "SELF-DIAG [CURRENT]" mode.  
**NOTE:**  
If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
- "TROUBLE DIAG RECORD"  
The memory of "TROUBLE DIAG RECORD" cannot be erased.

#### HOW TO ERASE SELF-DIAGNOSTIC RESULTS (WITHOUT CONSULT-III)

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

#### DIAGNOSTIC PROCEDURE (USER MODE)

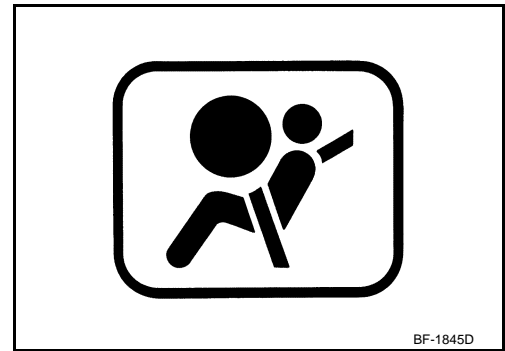
Checking air bag operation according to air bag warning lamp-User mode

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.

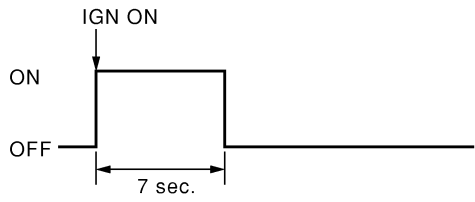
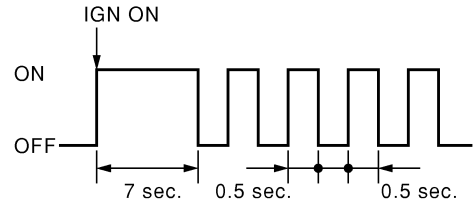
# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

2. Compare the air bag warning lamp blinking pattern with the examples.



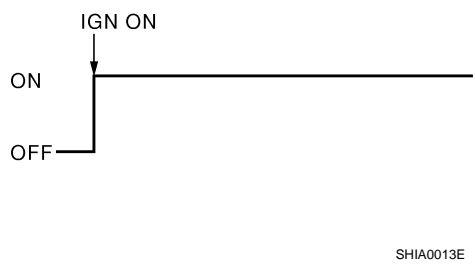
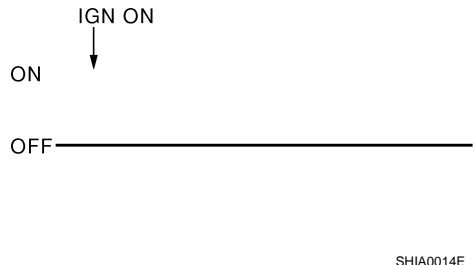
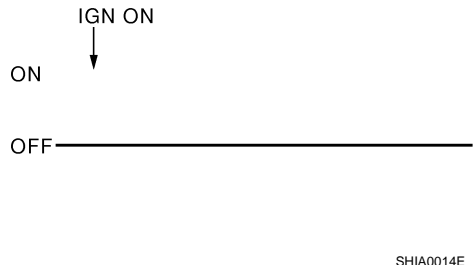
### Air bag warning lamp examples (User mode)

Air bag warning lamp operation -User mode	SRS condition	Reference item
 <p style="text-align: right;">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: center;">—</p>
 <p style="text-align: right;">SHIA0012E</p>	<ul style="list-style-type: none"> <li>• The system is malfunctioning and needs to be repaired as indicated</li> </ul>	<p>Go to <a href="#">SRC-14, "Diagnosis Description"</a></p>

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# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

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-124, "Diagnosis Procedure"</a> or <a href="#">SRC-126, "Diagnosis Procedure"</a>
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag power supply circuit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul>	Go to <a href="#">SRC-142, "Diagnosis Procedure"</a>
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul>	Go to <a href="#">SRC-143, "Diagnosis Procedure"</a>

## DIAGNOSTIC PROCEDURE (WITH CONSULT-III)

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

## CONSULT-III Function

INFOID:000000003591515

### DIAGNOSIS MODE FOR CONSULT-III

- “SELF-DIAG [CURRENT]”  
A current self-diagnosis results (also indicated with the number of air bag warning lamp blinks in diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- “SELF-DIAG [PAST]”  
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- “TROUBLE DIAG RECORD”  
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- “DISCRIMINATED NO.”  
The air bag diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the air bag 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 air bag diagnosis sensor unit installed to vehicle are the same. Refer to [SR-16, "Removal and Installation"](#).

### Ⓛ HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

#### From User Mode to Diagnosis Mode

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

#### From Diagnosis Mode to User Mode



# DIAGNOSIS SYSTEM (AIRBAG)

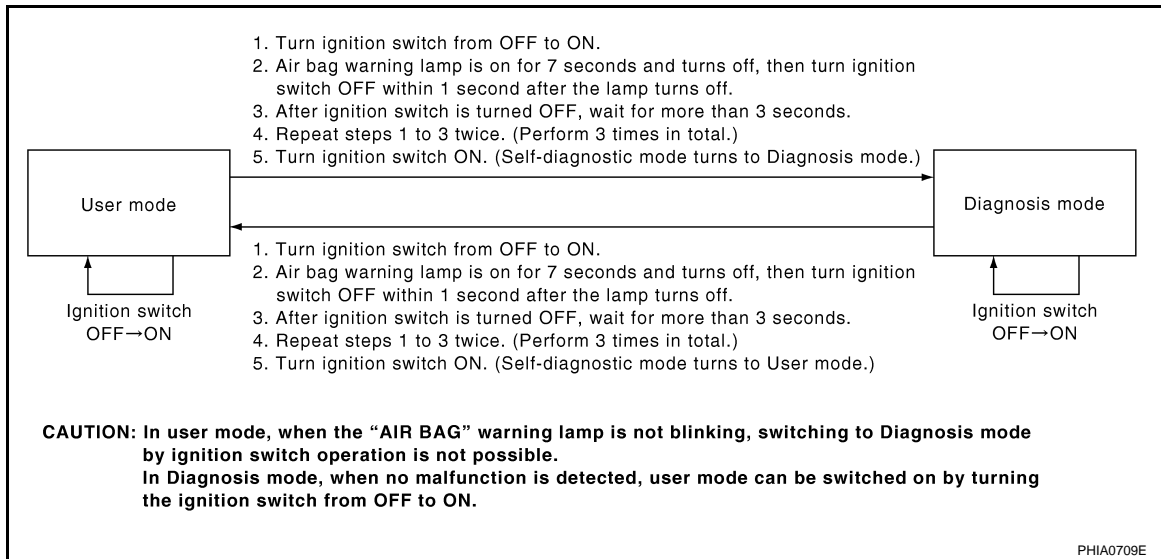
## < FUNCTION DIAGNOSIS >

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



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SRC

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

< COMPONENT DIAGNOSIS >

## COMPONENT DIAGNOSIS

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

#### Description

INFOID:000000003591714

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003591715

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-18, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003591716

WITH CONSULT-III

##### WARNING:

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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16. "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-18. "DTC Logic"](#).

Is the inspection result normal?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591717

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003591718

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591719

#### WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

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

## < COMPONENT DIAGNOSIS >

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- 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-20, "DTC Logic"](#)

Is the inspection result normal?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591722

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003591723

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- 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. CHECK AIR BAG WARNING LAMP

- Turn ignition switch ON.
- Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591724

#### WITH CONSULT-III

##### WARNING:

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

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

## < COMPONENT DIAGNOSIS >

---

- 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-22, "DTC Logic"](#)

Is the inspection result normal?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591727

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

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the 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 (OCS), 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:000000003591728

#### 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>• Replace air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591729

WITH CONSULT-III

#### WARNING:



# B1017, B1020, B1021 OCCUPANT SENS C/U

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace occupant classification system control unit. (front passenger side seat cushion assembly.) Refer to [SE-87, "Exploded View"](#)
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-24, "DTC Logic"](#)

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Removal and Installation"](#)
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-24, "DTC Logic"](#)

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

## B1018 OCCUPANT SENS

### Description

INFOID:000000003591730

### DTC B1018 [UNIT FAIL] OCCUPANT SENS

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the 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:000000003591731

### 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-SENSOR	<ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Internal breakdown in occupant classification system sensor</li></ul>

### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591732

### WITH CONSULT-III

#### WARNING:

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

# B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

---

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace occupant classification system sensor. (front passenger side seat cushion assembly.) Refer to [SE-87, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-26, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1022 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

## B1022 OCCUPANT SENS C/U

### Description

INFOID:000000003591734

#### DTC B1022 [COMM FAIL] OCCUPANT SENS C/U

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the 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:000000003591735

#### 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-control unit, circuit of OCS-control unit-Air bag diagnosis sensor unit or Air bag diagnosis sensor unit	<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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591736

WITH CONSULT-III

#### WARNING:

# B1022 OCCUPANT SENS C/U

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace occupant classification system sensor. (front passenger side seat cushion assembly.) Refer to [SE-87, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

## B1023 PASS A/B INDCTR CKT

### Description

INFOID:000000003591737

#### DTC B1023 PASS A/B INDCTR CKT

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the 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 front passenger air bag OFF indicator (Cut-off telltale) when the passenger seat is empty or occupied by child-seat and child.

#### STRUCTURE

Front passenger air bag OFF indicator (Cut-off telltale) with LED illumination.

#### INSTALLATION

Front passenger air bag OFF indicator (Cut-off telltale) is installed at the instrument panel center.

### DTC Logic

INFOID:000000003591738

#### 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 front passenger air bag OFF indicator</li><li>• Internal breakdown in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591739

#### WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1023 PASS A/B INDCTR CKT

## < COMPONENT DIAGNOSIS >

- 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 >> 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 PASSENGER AIR BAG OFF INDICATOR

1. Replace front passenger air bag OFF indicator (Cut-off telltale). Refer to [IP-11, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-30, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-30, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591741

#### 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) 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

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

### DTC Logic

INFOID:000000003591742

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591743

WITH CONSULT-III

#### WARNING:



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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16. "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-32. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

## B1033, B1034 CRASH ZONE SEN

### Description

INFOID:000000003591757

#### 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 air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the safing algorithm 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:000000003591758

#### 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 SEN- SOR [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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP-

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591759

#### WITH CONSULT-III

##### WARNING:

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

# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-12, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-34, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-34, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591760

#### DTC B1035, B1036, B1038, B1040 [COMM 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 air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm 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:000000003591761

#### 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 B1036 B1038 B1040	CRASH ZONE SEN- SOR [COMM FAIL] [UNMATCH] [OPEN/UPR-VB- SHORT] [SHORT/UPR-GND- SHORT]	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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591762

WITH CONSULT-III

**WARNING:**

# B1035, B1036, B1038, B1040 CRASH ZONE SEN

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-12, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591763

#### 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

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

### DTC Logic

INFOID:000000003591764

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591765

WITH CONSULT-III

#### WARNING:

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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4. "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-38. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1049, B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000003591767

#### DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm 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:000000003591768

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591769

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)



# B1049, B1054 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

- 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 >> 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 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	12		29	
	9		30	

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	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-6, "Exploded View"](#).

#### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-4, "Exploded View"](#)
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-40, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

#### 5. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace driver air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#)
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-40, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1050, B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000003591770

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

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm 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:000000003591771

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591772

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1050, B1055 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

- 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 >> 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 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	12		29	
	9		30	

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	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-6, "Removal and Installation"](#).

#### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-4, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

#### 5. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace driver air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1051, B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000003591773

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

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm 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:000000003591774

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-44, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591775

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1051, B1056 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

- 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 >> 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 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	12		29	
	9		30	

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	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-6, "Removal and Installation"](#).

#### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-4, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

#### 5. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace driver air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1052, B1057 DRIVER AIRBAG MODULE

### Description

INFOID:000000003591776

#### DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm 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:000000003591777

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-46, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591778

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1052, B1057 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

- 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 >> 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 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	12		29	
	9		30	

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	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-6, "Removal and Installation"](#).

#### 4. CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-4, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

#### 5. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace driver air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591779

#### 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

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

### DTC Logic

INFOID:000000003591780

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591781

WITH CONSULT-III

#### WARNING:



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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16. "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-48. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1065, B1070 ASSIST A/B MODULE

### Description

INFOID:000000003591782

#### 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 Safing algorithm 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:000000003591783

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-50, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591784

#### WITH CONSULT-III

##### WARNING:

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

# B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

---

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-8, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-50, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-50, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1066, B1071 ASSIST A/B MODULE

### Description

INFOID:000000003591785

#### 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 Safing algorithm 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:000000003591786

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-52, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591787

#### WITH CONSULT-III

##### WARNING:

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

# B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

---

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-8, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1067, B1072 ASSIST A/B MODULE

### Description

INFOID:000000003591788

#### 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 Safing algorithm 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:000000003591789

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591790

#### WITH CONSULT-III

##### WARNING:

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

# B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

---

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-8, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1068, B1073 ASSIST A/B MODULE

### Description

INFOID:000000003591791

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

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm 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:000000003591792

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591793

#### WITH CONSULT-III

##### WARNING:

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



# B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-8, "Exploded View"](#)

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591794

#### 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

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

### DTC Logic

INFOID:000000003591795

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591796

WITH CONSULT-III

#### WARNING:

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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace front RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#)
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

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# B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1081 PRE-TEN FRONT RH

### Description

INFOID:000000003591798

#### DTC B1081 [OPEN] PRE-TEN FRONT RH

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

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591799

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591800

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1081 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

- 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 >> 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 RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-60, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-60, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1082 PRE-TEN FRONT RH

### Description

INFOID:000000003591801

#### 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 Safing algorithm in front direction.

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591802

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-62, "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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591803

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1082 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

- 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 >> 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 RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-62, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-62, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1083 PRE-TEN FRONT RH

### Description

INFOID:000000003591804

#### 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 Safing algorithm in front direction.

#### OPERATION

In case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591805

#### 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 air bag diagnosis sensor unit</li> </ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
 NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591806

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)



# B1083 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

- 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 >> 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 RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-64, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-64, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1084 PRE-TEN FRONT RH

### Description

INFOID:000000003591808

#### DTC B1084 [SHORT] PRE-TEN FRONT RH

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

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591809

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591810

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1084 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

- 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 >> 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 RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-66, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-66, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000003591814

#### DTC B1086 [OPEN] PRE-TEN FRONT LH

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

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591815

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591816

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1086 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

- 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 >> 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. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-68, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-68, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000003591817

#### 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 Safing algorithm in front direction.

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591818

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003758575

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1087 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

- 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 >> 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. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-70, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-70, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000003591820

#### 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 Safing algorithm in front direction.

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591821

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003758584

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)



# B1088 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

- 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 >> 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. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000003591823

#### DTC B1089 [SHORT] PRE-TEN FRONT LH

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

#### OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It 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:000000003591824

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003758586

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

# B1089 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

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- Do not use unspecified tester or other measuring device.

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

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Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

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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. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-74, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-74, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591871

#### 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

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

### DTC Logic

INFOID:000000003591872

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591873

WITH CONSULT-III

#### WARNING:

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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16. "Exploded View"](#).
2. Check "Self diagnosis result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-76. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000003591876

#### 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 air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the Safing algorithm 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:000000003591877

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591878

#### WITH CONSULT-III

##### WARNING:

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

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SATELLITE SENSOR

1. Replace RH satellite sensor. Refer to [SR-14, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-78, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-78, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1115, B1116 SATELLITE SENS RH

### Description

INFOID:000000003591880

#### 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 air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side 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:000000003591881

#### DTC DETECTION LOGIC

With CONSULT-III

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

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

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591882

#### WITH CONSULT-III

##### WARNING:

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



# B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SATELLITE SENSOR

1. Replace RH satellite sensor. Refer to [SR-14, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-80, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-80, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

## B1118, B1119 SATELLITE SENS LH

### Description

INFOID:000000003591883

#### 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 air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side 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:000000003591884

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591885

#### WITH CONSULT-III

##### WARNING:

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

# B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-14. "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16. "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-82. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

## B1120, B1121 SATELLITE SENS LH

### Description

INFOID:000000003591886

#### 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 air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side 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:000000003591887

#### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591888

#### WITH CONSULT-III

##### WARNING:

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

# B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-14, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-84, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-84, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003595949

#### 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, front side air bag, side curtain air bag and pre-tensioner seat belts operate properly.

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595950

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595951

WITH CONSULT-III

##### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)

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

## < COMPONENT DIAGNOSIS >

---

- 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-86, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1129 SIDE MODULE RH

### Description

INFOID:000000003595952

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595953

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595954

#### WITH CONSULT-III

##### WARNING:

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



# B1129 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 RH side air bag module. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-88, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-88, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1130 SIDE MODULE RH

### Description

INFOID:000000003595955

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595956

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595957

WITH CONSULT-III

##### WARNING:

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

# B1130 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 RH side air bag module. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-90, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-90, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1131 SIDE MODULE RH

### Description

INFOID:000000003595958

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595959

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595960

WITH CONSULT-III

##### WARNING:

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

# B1131 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 RH side air bag module. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-92, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-92, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1132 SIDE MODULE RH

### Description

INFOID:000000003595961

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595962

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595963

#### WITH CONSULT-III

##### WARNING:

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

# B1132 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 RH side air bag module. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-94, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-94, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1134 SIDE MODULE LH

### Description

INFOID:000000003595964

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595965

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595966

#### WITH CONSULT-III

##### WARNING:

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



# B1134 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-96, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-96, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1135 SIDE MODULE LH

### Description

INFOID:000000003595967

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595968

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595969

#### WITH CONSULT-III

##### WARNING:

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

# B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-98, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-98, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1136 SIDE MODULE LH

### Description

INFOID:000000003595970

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595971

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595972

WITH CONSULT-III

##### WARNING:

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

# B1136 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-100, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-100, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1137 SIDE MODULE LH

### Description

INFOID:000000003595973

#### 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 Safing algorithm (in air bag diagnosis sensor unit).

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003595974

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003595975

#### WITH CONSULT-III

##### WARNING:

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

# B1137 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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. Refer to [SR-10, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-102, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-16, "Exploded View"](#).

2. Check "Self diagnosis result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-102, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591889

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003591890

#### 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	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591891

WITH CONSULT-III

**WARNING:**



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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-104, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000003591892

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591893

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591894

#### WITH CONSULT-III

##### WARNING:

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

# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-106, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-106, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000003591895

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591896

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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. CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591897

#### WITH CONSULT-III

##### WARNING:

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

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-108, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-108, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000003591898

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591899

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591900

WITH CONSULT-III

##### WARNING:

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

# B1147 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-110, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-110, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000003591901

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591902

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591903

#### WITH CONSULT-III

##### WARNING:

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



# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-112, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-112, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000003591904

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591905

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591906

#### WITH CONSULT-III

##### WARNING:

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

# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

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## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-114, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-114, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000003591907

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591908

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591909

#### WITH CONSULT-III

##### WARNING:

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

# B1151 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-116, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-116, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000003591910

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591911

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591912

#### WITH CONSULT-III

##### WARNING:

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

# B1152 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-118, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-118, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1153 CURTAIN MODULE LH

### Description

INFOID:000000003591913

#### 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 Safing algorithm (left and right GP in air bag diagnosis sensor 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:000000003591914

#### 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 air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. 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.CHECK AIR BAG WARNING LAMP

1. Turn ignition switch ON.
2. Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128, "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591915

WITH CONSULT-III

##### WARNING:

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



# B1153 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> 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 SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-120, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

#### 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).

2. Check "Self diagnostic result" with CONSULT-III.

3. Perform DTC confirmation procedure. Refer to [SRC-120, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003591916

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

### DTC Logic

INFOID:000000003591917

#### 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	<ul style="list-style-type: none"><li>Air bag diagnosis sensor unit is out of order or mis-match</li></ul>	<ul style="list-style-type: none"><li>Internal breakdown in air bag diagnosis sensor unit</li><li>Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li></ul>

#### DTC CONFIRMATION PROCEDURE (WITH CONSULT-III)

##### 1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- 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. CHECK AIR BAG WARNING LAMP

- Turn ignition switch ON.
- Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. Refer to [SRC-128. "DTC Index"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591918

WITH CONSULT-III

**WARNING:**

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

## < COMPONENT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative 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 >> 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 AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-4, "Exploded View"](#).
2. Check "Self diagnostic result" with CONSULT-III.
3. Perform DTC confirmation procedure. Refer to [SRC-122, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000003591919

#### DTC B1209 FRONTAL COLLISION DETECTION

When detect a component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are operated by the decision of the air bag diagnosis sensor unit out signal transmitted because of the frontal collision.

#### STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

#### INSTALLATION

Refer to [SR-12, "Removal and Installation"](#), [SR-16, "Removal and Installation"](#), [SR-4, "Removal and Installation"](#), [SR-8, "Removal and Installation"](#), [SR-18, "Removal and Installation"](#).

### DTC Logic

INFOID:000000003591920

#### 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.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-124, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591921

WITH CONSULT-III

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal 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

Check front air bag modules. (driver air bag module and/or front passenger air bag module.)

Is the front air bag module deployed?

- YES >> Replace front air bag modules. Refer to [SR-4, "Removal and Installation"](#) or [SR-8, "Removal and Installation"](#).  
NO >> GO TO 2.

##### 2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

# B1209 FRONTAL COLLISION DETECTION

## < COMPONENT DIAGNOSIS >

YES >> Replace front seat belt pre-tensioner. Refer to [SR-18, "Removal and Installation"](#).  
NO >> GO TO 3.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-16, "Removal and Installation"](#).  
NO >> GO TO 4.

### 4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

YES >> GO TO 5.  
NO >> Replace steering wheel. Refer to [ST-16, "Removal and Installation"](#).

### 5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-40, "Diagnosis Procedure"](#).
2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

YES >> GO TO 6.  
NO >> Replace spiral cable. Refer to [SR-6, "Removal and Installation"](#).

### 6.CHECK WIRING HARNESS/HARNESS CONNECTOR

Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

YES >> GO TO 7.  
NO >> 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-38, "Intermittent Incident"](#).

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# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000003591922

#### DTC B1210 SIDE COLLISION DETECTION

When detect a component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The front side air bag and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the side collision.

#### STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

#### INSTALLATION

Refer to [SR-14. "Removal and Installation"](#), [SR-16. "Removal and Installation"](#), [SR-10. "Removal and Installation"](#).

### DTC Logic

INFOID:000000003591923

#### 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.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-126. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003591924

WITH CONSULT-III

#### **WARNING:**

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

#### DIAGNOSTIC PROCEDURE

##### 1.CHECK FRONT SIDE AIR BAG MODULE

Check front side air bag module.

Is the front side air bag module deployed?

- YES >> Replace front side air bag module. Refer to [SE-87. "Exploded View"](#).  
NO >> GO TO 2.

##### 2.CHECK SIDE CURTAIN AIR BAG MODULE

Check side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module. Refer to [SR-10. "Removal and Installation"](#).  
NO >> GO TO 3.

# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

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## 3.CHECK SATELLITE SENSOR

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Check satellite sensor.

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

- YES >> Replace satellite sensor. Refer to [SR-14. "Removal and Installation"](#).
- NO >> GO TO 4.

---

## 4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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Check air bag diagnosis sensor unit.

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

- YES >> Replace air bag diagnosis sensor unit. Refer to [SR-16. "Removal and Installation"](#).
- NO >> GO TO 5.

---

## 5.CHECK WIRING HARNESS/HARNESS CONNECTOR

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Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

- YES >> GO TO 6.
- NO >> Replace wiring harness/harness connector.

---

## 6.FINAL CHECK

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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-38. "Intermittent Incident"](#).

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000003136319

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>	Go to <a href="#">SRC-14, "Diagnosis Description"</a>
	<ul style="list-style-type: none"> <li>• No malfunction is detected</li> </ul>	—
CONTROL UNIT [B1001-B1015]	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-control unit</li> </ul>	<ol style="list-style-type: none"> <li>1. Replace wiring harness/harness connector</li> <li>2. Replace front passenger seat cushion and occupant classification system (control unit) as an assembly</li> </ol>
OCCUPANT SENS [UNIT FAIL] [B1018]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-SENSOR</li> </ul>	<ol style="list-style-type: none"> <li>1. Replace wiring harness/harness connector</li> <li>2. Replace front passenger seat cushion and occupant classification system (control unit) as an assembly</li> </ol>
OCCUPANT SENS C/U [COMM FAIL] [B1022]	<ul style="list-style-type: none"> <li>• Trouble occurs in OCS-control unit, circuit of OCS-CU~Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit</li> </ul>	<ol style="list-style-type: none"> <li>1. 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 air bag diagnosis sensor unit</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. Replace wiring harness/harness connector</li> <li>2. Replace passenger air bag OFF indicator (Cut-off telltale)</li> <li>3. Replace air bag diagnosis sensor unit</li> </ol>
CONTROL UNIT [B1026-B1031]	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit



# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036]  [OPEN/UPR-VB-SHORT] [B1038]  [SHORT/UPR-GND-SHORT] [B1040]	<ul style="list-style-type: none"> <li>Crash zone sensor is out of order</li> </ul>	1. Replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit	B C D E
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	F
DRIVER AIRBAG MODULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> <li>Driver air bag module circuit is open (including the spiral cable)</li> </ul>	1. Replace wiring harness/harness connector 2. Replace driver air bag module 3. Replace spiral cable. Refer to <a href="#">SRC-40. "Diagnosis Procedure"</a> 4. Replace air bag diagnosis sensor unit	G
DRIVER AIRBAG MODULE [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>	4. Replace air bag diagnosis sensor unit	I
DRIVER AIRBAG MODULE [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>		J
DRIVER AIRBAG MODULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> <li>Driver air bag module circuits are shorted to each other (including spiral cable)</li> </ul>		K
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	L
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> <li>Front passenger air bag module circuit is open</li> </ul>	1. Replace wiring harness/harness connector 2. Replace front passenger air bag module 3. Replace air bag diagnosis sensor unit	M
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>	3. Replace air bag diagnosis sensor unit	N
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>		O
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> </ul>		P
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit	

SRC

## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
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>Replace wiring harness/harness connector</li> <li>Replace front RH seat belt pre-tensioner</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
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>	
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>	
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> </ul>	
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>Replace wiring harness/harness connector</li> <li>Replace front LH seat belt pre-tensioner</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
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>	
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>	
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> </ul>	
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
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>Replace wiring harness/harness connector</li> <li>Replace RH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
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>	<ol style="list-style-type: none"> <li>Replace wiring harness/harness connector</li> <li>Replace LH satellite sensor</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

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>Replace wiring harness/harness connector</li> <li>Replace front RH side air bag module</li> <li>Replace air bag diagnosis sensor unit</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> </ul>	
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is open</li> </ul>	<ol style="list-style-type: none"> <li>Replace wiring harness/harness connector</li> <li>Replace front LH side air bag module</li> <li>Replace air bag diagnosis sensor unit</li> </ol>
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> </ul>	
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit
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>Replace wiring harness/harness connector</li> <li>Replace RH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</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> </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>Replace wiring harness/harness connector</li> <li>Replace LH side curtain air bag module</li> <li>Replace air bag diagnosis sensor unit</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> </ul>	
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is out of order or mis-match</li> </ul>	Replace air bag diagnosis sensor unit

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# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
FRONTAL COLLISION DETECTION [B1209]	<ul style="list-style-type: none"> <li>Front seat belt pre-tensioner and front air bag is deployed</li> </ul>	<ul style="list-style-type: none"> <li>Go to <a href="#">SRC-124, "Diagnosis Procedure"</a></li> </ul>
SIDE COLLISION DETECTION [B1210]	<ul style="list-style-type: none"> <li>Front side air bag and side curtain air bag are deployed</li> </ul>	<ul style="list-style-type: none"> <li>Go to <a href="#">SRC-126, "Diagnosis Procedure"</a></li> </ul>

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<p>&lt;Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.&gt;</p>	
<p>Flash pattern</p> <p>a through b are repeated.</p>	<p>Repair order</p> <p>1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</p>
PHIA0532E	
<p>&lt;Air bag diagnosis sensor unit&gt;</p>	
<p>Flash pattern</p> <p>a through d are repeated. d: Seven flashes indicate malfunctioning air bag diagnosis sensor unit circuit.</p>	<p>Repair order</p> <p>1. Replace the air bag diagnosis sensor unit.</p>
JMHIA0523GB	
<p>&lt;Occupant classification system control unit&gt;</p>	
<p>Flash pattern</p> <p>a through d are repeated. d: Five flashes indicate malfunctioning occupant classification system control unit.</p>	<p>Repair order</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 front passenger seat cushion and occupant classification system control unit as an assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0524GB	
<p>&lt;Front passenger air bag OFF indicator&gt;</p>	
<p>Flash pattern</p> <p>a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag OFF indicator.</p>	<p>Repair order</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 front passenger air bag OFF indicator.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>
JMHIA0525GB	

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0526GB

<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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0527GB

<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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0528GB

<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 assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0529GB

<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 assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0530GB

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# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<RH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH satellite sensor circuit.</p> <p style="text-align: center;">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 satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0531GB

<LH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH satellite sensor.</p> <p style="text-align: center;">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 satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>

JMHIA0532GB

<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 style="text-align: center;">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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0533GB

<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 style="text-align: center;">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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0534GB

<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 style="text-align: center;">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 air bag diagnosis sensor unit.</li> </ol>

JMHIA0535GB

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<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 style="text-align: right;">JMHIA0536GB</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 air bag diagnosis sensor unit.</li> </ol>

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seventeen flashes indicate mis-installation of air bag diagnosis sensor unit.</p> <p style="text-align: right;">JMHIA0537GB</p>	<ol style="list-style-type: none"> <li>1. Replace the air bag diagnosis sensor unit.</li> </ol>

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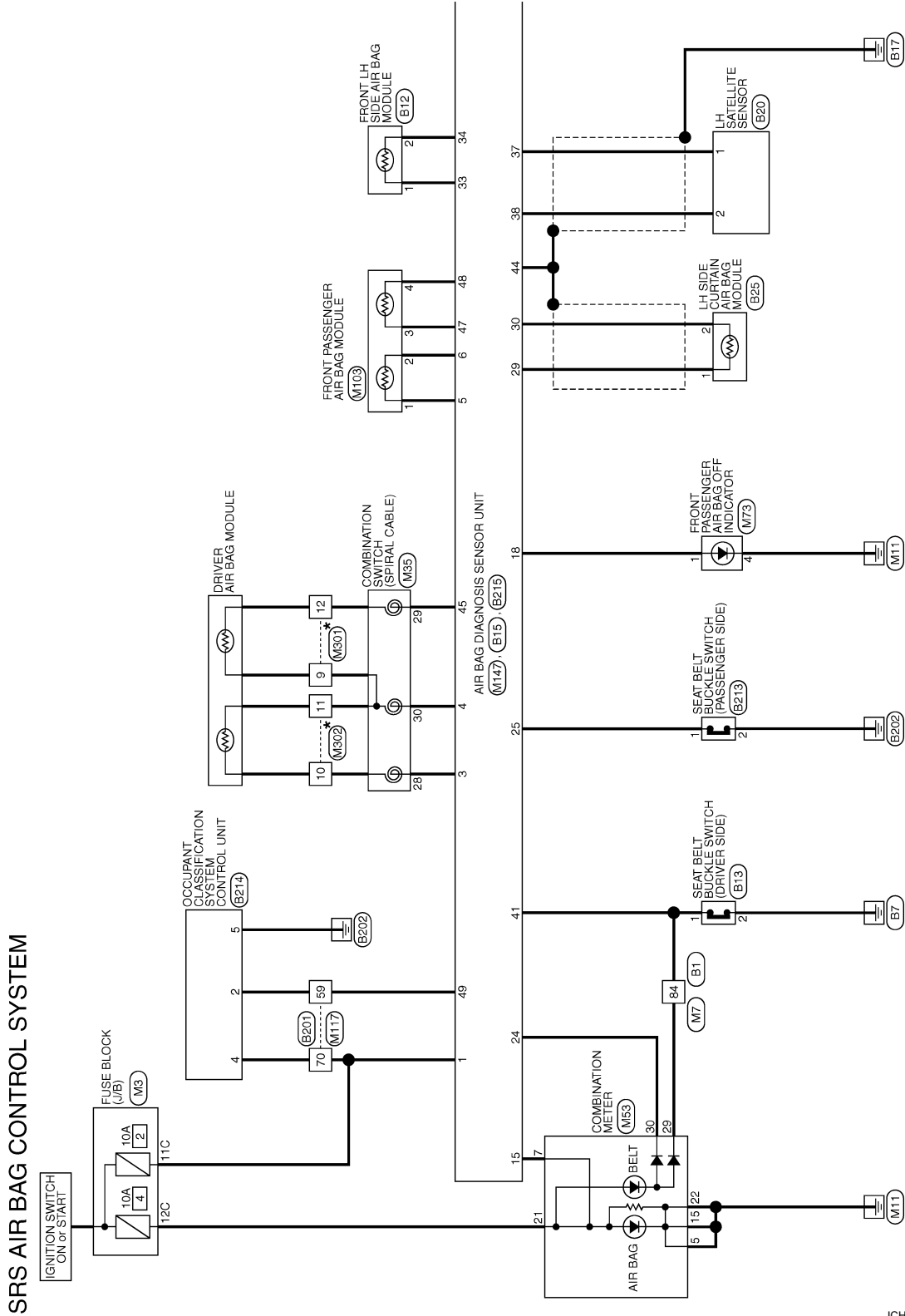
**SRC**

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:000000003136320



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

2007/10/26

JCHWM0163GI



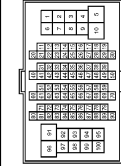


# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CS16-TM4



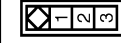
Terminal No.	Color of Wire	Signal Name [Specification]
84	SB	-

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



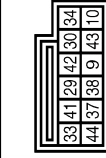
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B13
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	ACA02FY-2V



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 SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



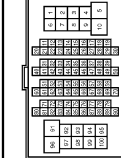
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

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.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
59	V	-
70	R	-

JCHWM0165GI

# DIAGNOSIS SENSOR UNIT

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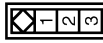
## SRS AIR BAG CONTROL SYSTEM

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	

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-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 SATELLITE SENSOR
Connector Type	HK02FY-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	HK02FY-1V-EX



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

JCHWM0166GI

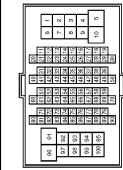
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

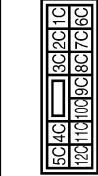
## SRS AIR BAG CONTROL SYSTEM

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



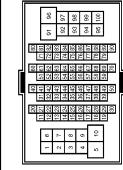
Terminal No.	Color of Wire	Signal Name [Specification]
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS17FW-CS



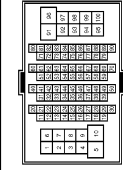
Terminal No.	Color of Wire	Signal Name [Specification]
11C	LG	-
12C	O	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



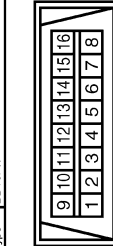
Terminal No.	Color of Wire	Signal Name [Specification]
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



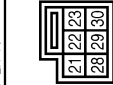
Terminal No.	Color of Wire	Signal Name [Specification]
84	SB	-

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



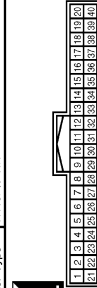
Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-TV



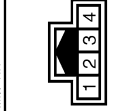
Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



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

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH40MY-NH



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

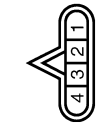
JCHWM0167GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

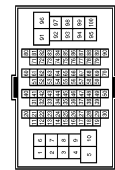
## SRS AIR BAG CONTROL SYSTEM

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



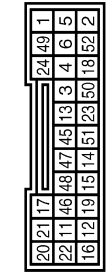
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TR6GMH-CS(B-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
59	L	-
70	R	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TRZ8FY-EX-SC



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

21	L	GAIN-H
24	G	SEAT BELT
45	Y	DRZ (-)
46	P	GAIN-L
47	Y	ASZ (+)
48	Y	ASZ (-)
49	L	ODS INPUT

Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FOR



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

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



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

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

SRC

# 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:000000003136321

#### 1. CHECK FRONT AIR BAG MODULE

---

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SR-4, "Removal and Installation"](#) or [SR-8, "Removal and Installation"](#).

NO >> GO TO 2.

#### 2. CHECK AIR BAG FUSE

---

Check the air bag fuse. Refer to [PG-99, "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 AIR BAG DIAGNOSIS SENSOR UNIT

---

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-16, "Removal and Installation"](#).

#### 5. CHECK HARNESS CONNECTION

---

Check harness connection between air bag warning lamp and air bag diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000003136322

#### 1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-99, "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 air bag diagnosis sensor unit and combination meter.
2. Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

- YES >> Replace air bag diagnosis sensor unit. Refer to [SR-16, "Removal and Installation"](#).
- NO >> Replace combination meter assembly. Refer to [MWI-162, "Removal and Installation"](#).

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

SRC

# PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

---

## PASSENGER SEAT BELT WARNING SYSTEM

### Diagnosis Procedure

INFOID:000000003136323

#### 1.CHECK THE SYSTEM 1

---

Check the seat belt warning lamp function.

Seat belt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is not fastened.

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.



# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000003574107

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### Service

INFOID:000000003136325

- 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 battery negative terminal and wait at least 3 minutes.  
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner 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:000000003136326

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-90, "Removal and Installation"](#).