

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

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# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

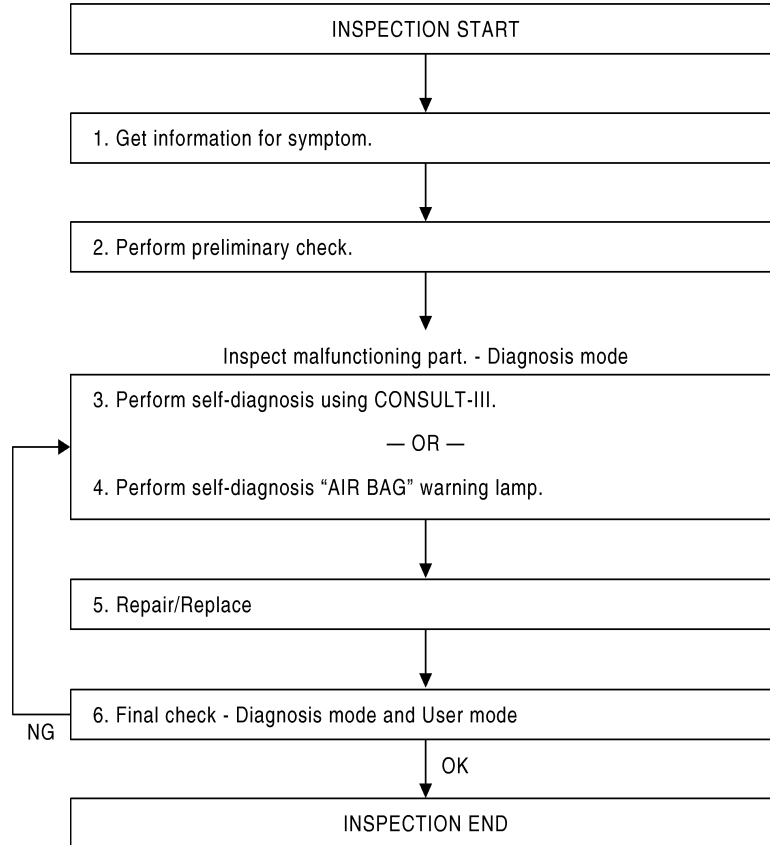
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



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# DIAGNOSIS AND REPAIR WORK FLOW

## < BASIC INSPECTION >

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

Is power supply circuit normal?

YES >> GO TO 3.

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

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

---

Check the displayed on CONSULT-III.

Is malfunctioning part displayed on CONSULT-III?

YES >> GO TO 4.

NO >> Repeat DTC confirmation with diagnostic procedure.

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

---

Check the warning lamp.

Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

#### 5.REPAIR OR REPLACE

---

Repair or replace the malfunctioning part.

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

>> GO TO 6.

#### 6.FINAL CHECK-DIAGNOSIS MODE AND USER MODE

---

Do the final check.

Does any symptom displayed again?

YES >> **INSPECTION END.**

NO >> GO TO 3 or GO TO 4.

# SRS AIR BAG SYSTEM

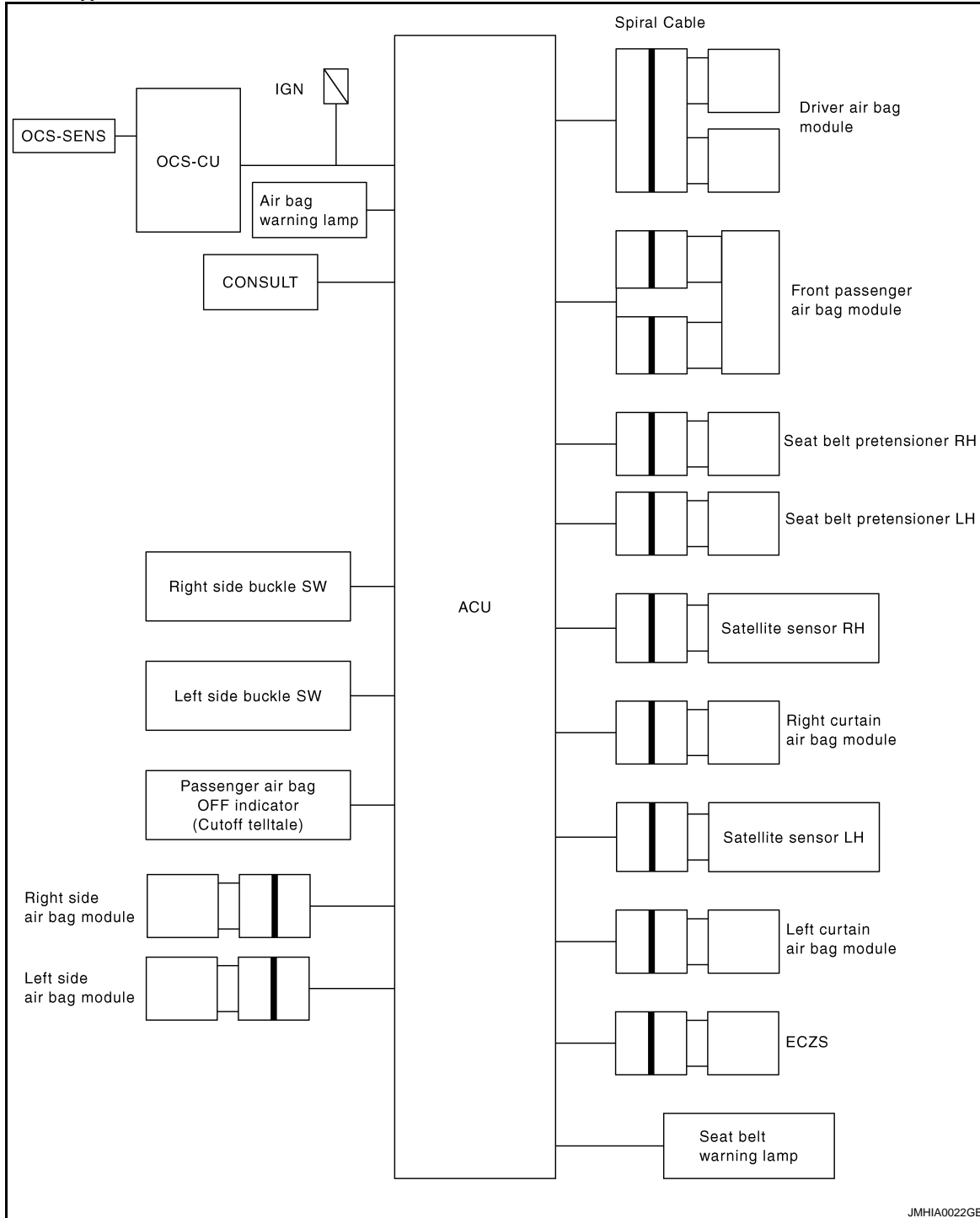
< FUNCTION DIAGNOSIS >

## FUNCTION DIAGNOSIS

### SRS AIR BAG SYSTEM

#### System Diagram

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#### System Description

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This SRS Air Bag System has the following function.

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

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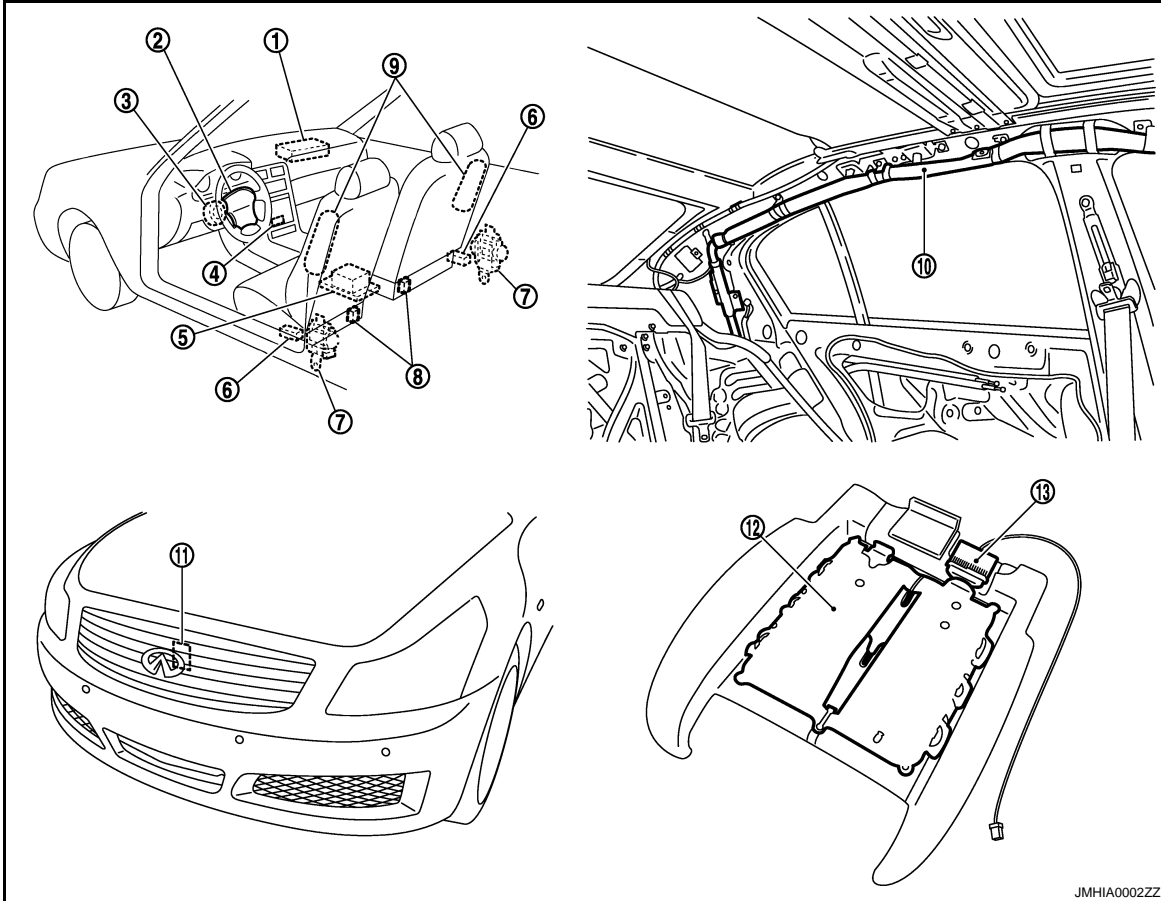
# SRS AIR BAG SYSTEM

## < FUNCTION DIAGNOSIS >

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

## Component Parts Location

INFOID:000000000959584



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

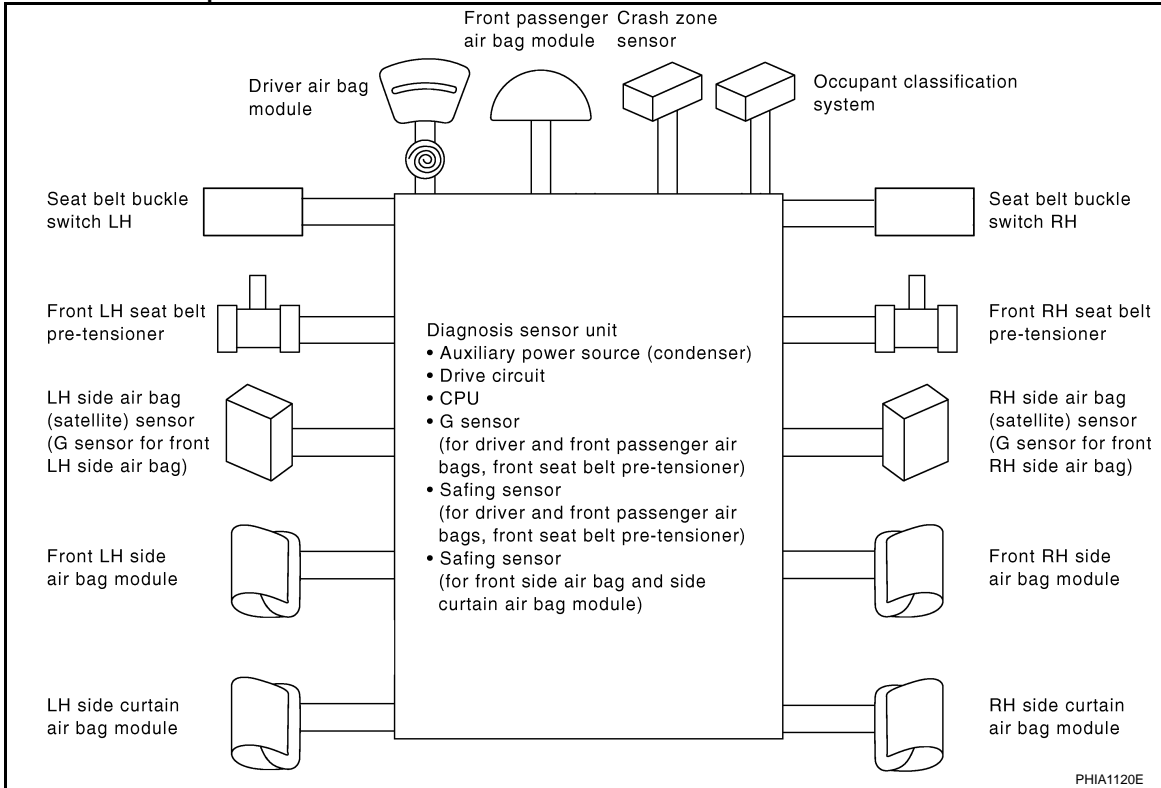


# SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

## Component Description

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

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module. Refer to <a href="#">SRC-52</a>	×	—	—
Front passenger air bag module. Refer to <a href="#">SRC-67</a>	×	—	—
Front LH seat belt pre-tensioner. Refer to <a href="#">SRC-94</a>	×	—	—
Front RH seat belt pre-tensioner. Refer to <a href="#">SRC-83</a>	×	—	—
Front LH side air bag module. Refer to <a href="#">SRC-136</a>	—	×	—
Front RH side air bag module. Refer to <a href="#">SRC-124</a>	—	—	×
LH side curtain air bag module. Refer to <a href="#">SRC-163</a>	—	×	—
RH side curtain air bag module. Refer to <a href="#">SRC-151</a>	—	—	×

×: Application, —: Not application

# OCCUPANT CLASSIFICATION SYSTEM

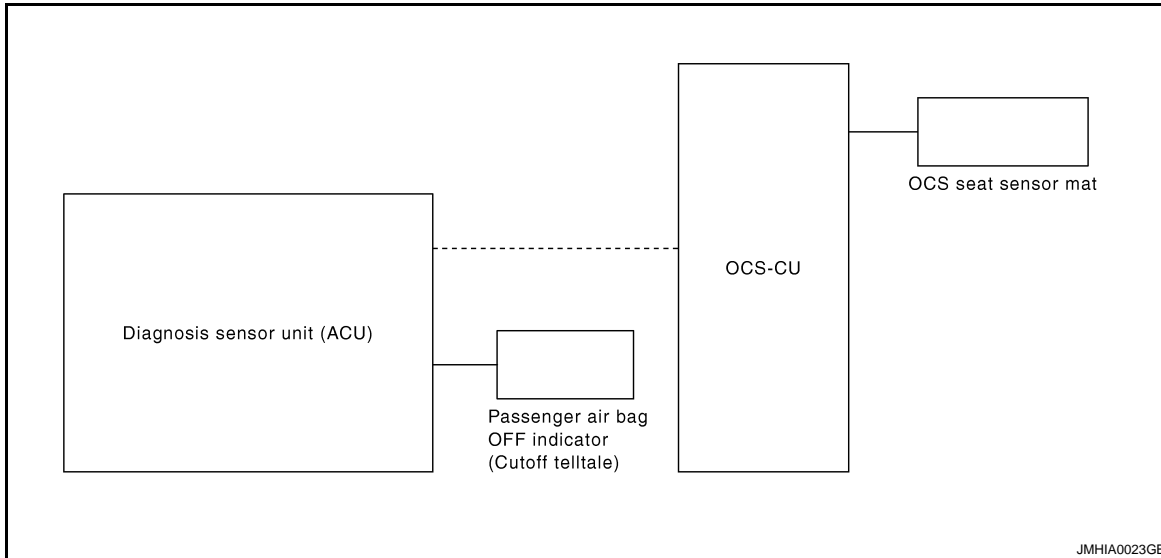
< FUNCTION DIAGNOSIS >

## OCCUPANT CLASSIFICATION SYSTEM

### System Diagram

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### OCCUPANT CLASSIFICATION SYSTEM



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### System Description

INFOID:000000000959587

This Occupant Classification System has the following function.

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

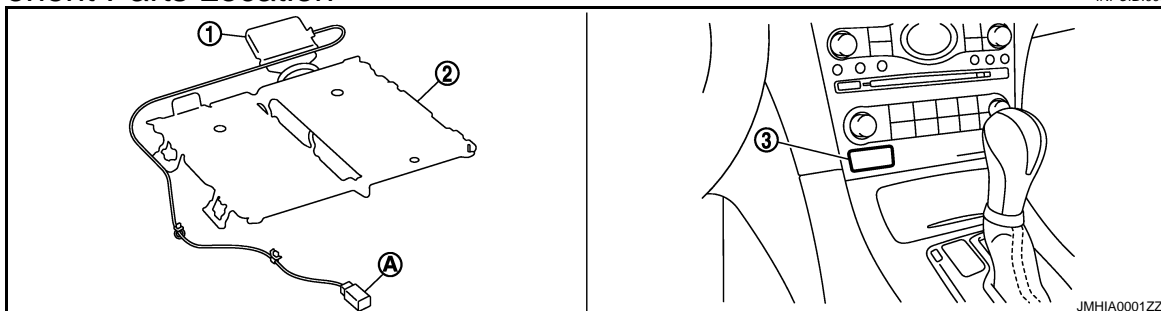
#### NOTE:

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

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

### Component Parts Location

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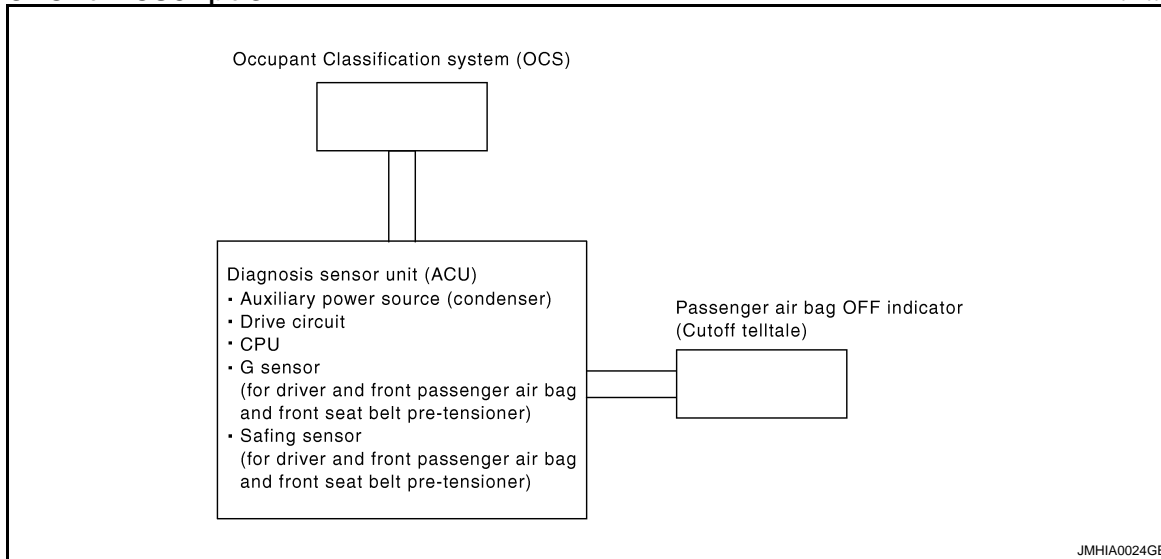
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# OCCUPANT CLASSIFICATION SYSTEM

## < FUNCTION DIAGNOSIS >

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

## Component Description



## Component Parts

- OCS control unit, Seat sensor mat. Refer to [SRC-34, "Description"](#).
- Passenger air bag OFF indicator (cut-off telltale). Refer to [SRC-37, "Description"](#).

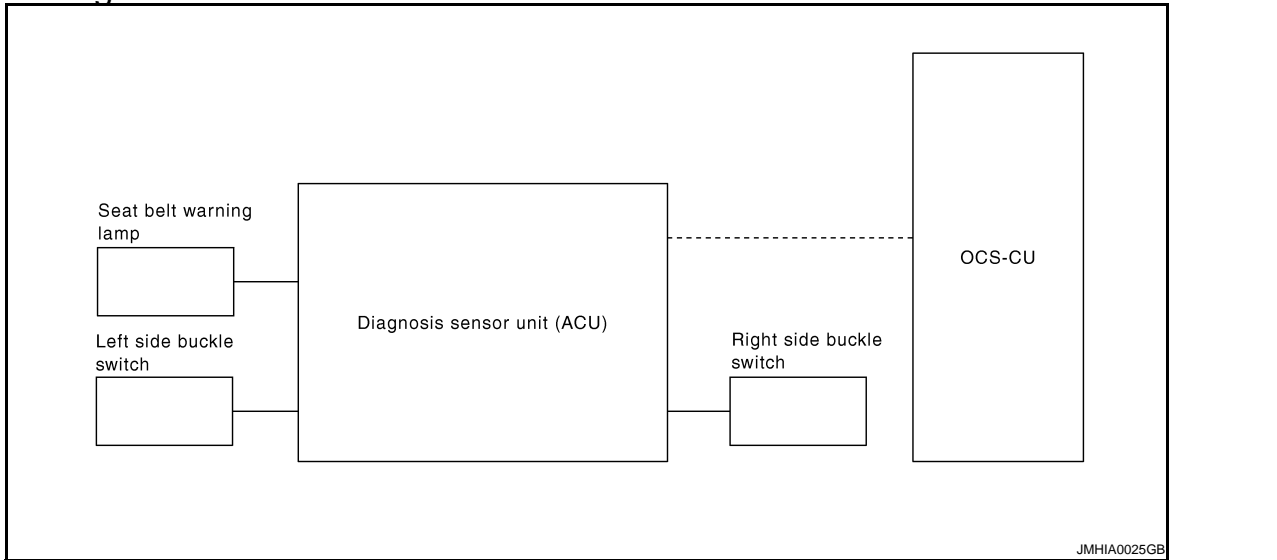
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# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

## PASSENGER SEAT BELT WARNING SYSTEM

### System Diagram



### System Description

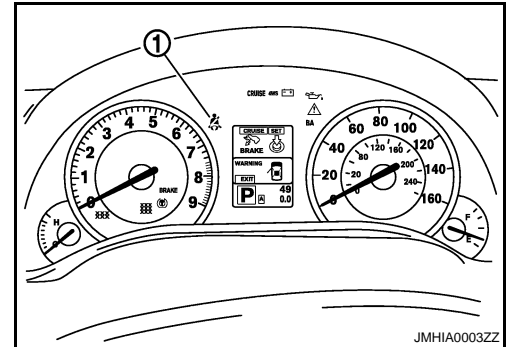
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This Passenger Seat Belt Warning System has the following function.

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

**NOTE:**

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



**NOTE:**

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

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

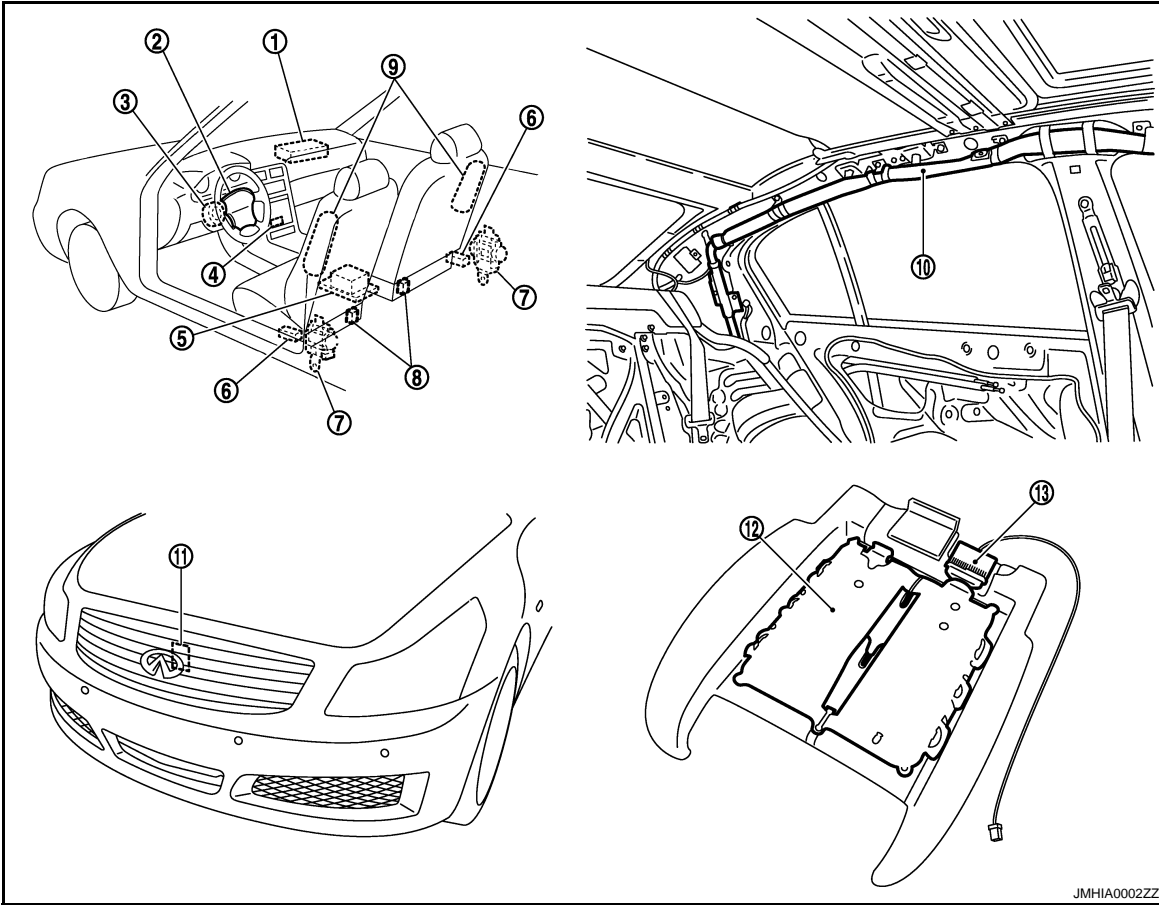
### Component Parts Location

INFOID:000000000959592

# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

## SRS AIR BAG



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

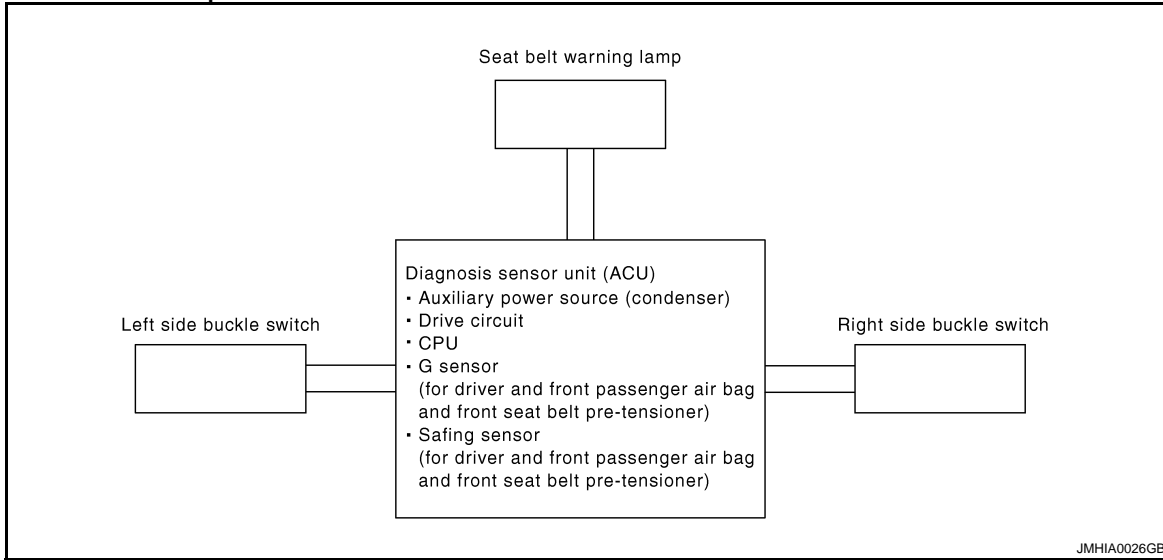
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# PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

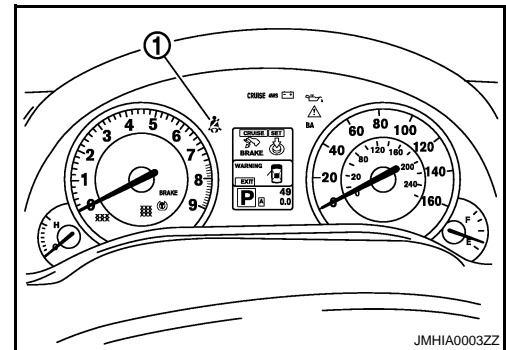
## Component Description

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### Component parts

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



# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

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#### 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-2, "How to Handle Battery".](#))
- Fuse (Refer to [PG-72, "Fuse".](#))
- System component-to-harness connections

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

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

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

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

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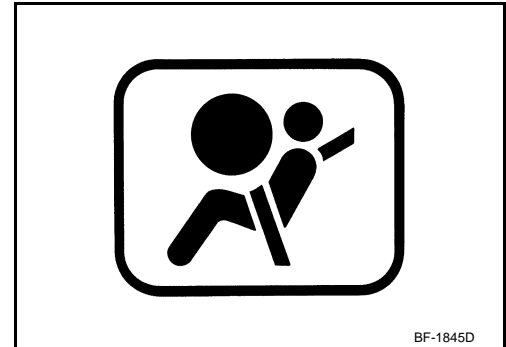
# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

### DIAGNOSTIC PROCEDURE (User mode)

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

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



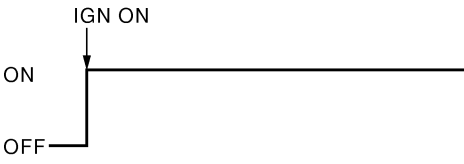


### Warning lamp examples (User mode)

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0011E</p>	<ul style="list-style-type: none"> <li>• No malfunction is detected.</li> <li>• No further action is necessary.</li> </ul>	—
<p>SHIA0012E</p>	<ul style="list-style-type: none"> <li>• The system is malfunctioning and needs to be repaired as indicated.</li> </ul>	Go to <a href="#">SRC-15. "Diagnosis Description"</a> .



# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
 <p style="text-align: right;">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-178, "Diagnosis Procedure (Component diagnosis)"</a> or <a href="#">SRC-180, "Diagnosis Procedure (Component diagnosis)"</a> .
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to <a href="#">SRC-195, "Symptom Table"</a> .
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to <a href="#">SRC-195, "Symptom Table"</a> .

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## DIAGNOSTIC PROCEDURE (With CONSULT-III)

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

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## CONSULT-III Function

INFOID:000000000959595

### DIAGNOSIS MODE FOR CONSULT-III

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

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

### From User Mode to Diagnosis Mode

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

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

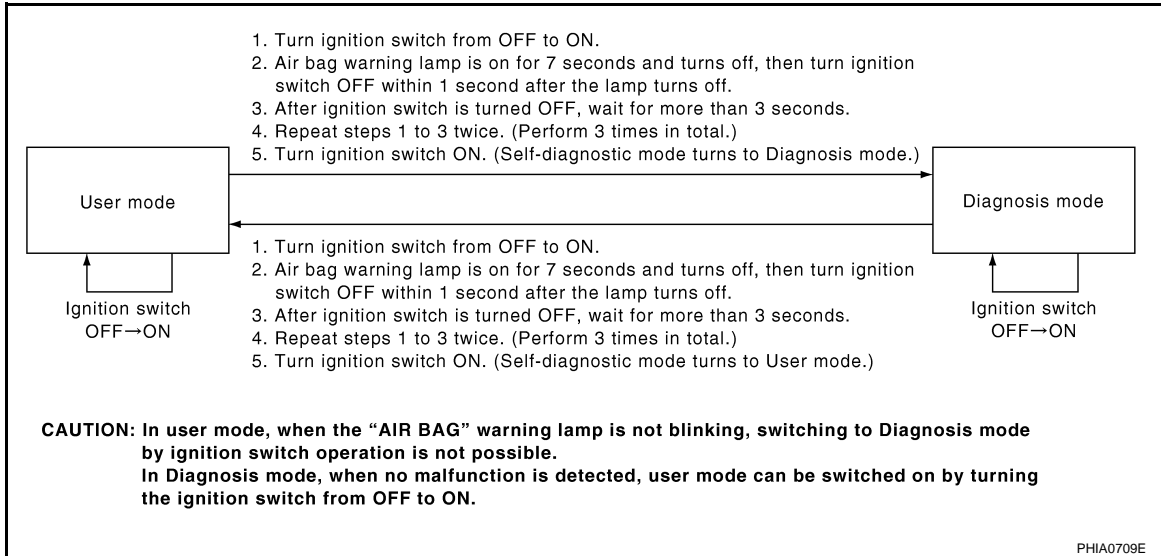
### From Diagnosis Mode to User Mode

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

### SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

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

### HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III

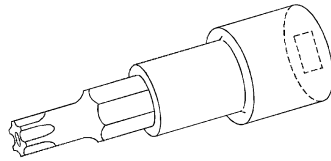


## Diagnostic Tool Function

INFOID:000000000959596

### Commercial Service Tools

Tool name	Description
Tamper resistant TORX bit	Size: T30/T50



S-NT757

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

< COMPONENT DIAGNOSIS >

## COMPONENT DIAGNOSIS

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

#### Description

INFOID:000000000959597

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

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000000959598

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#### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<p>1. Replace the diagnosis sensor unit (ACU).</p>

JMHIA0034GB

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2.CONCONSULT-LLL

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

## < COMPONENT DIAGNOSIS >

---

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-20](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-20](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **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:000000000959600

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959601

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<p>1. Replace the diagnosis sensor unit (ACU).</p>

JMHIA0034GB

### DTC CONFIRMATION PROCEDURE (With CONSULTIII)

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959602

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**



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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959603

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959604

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<p>1. Replace the diagnosis sensor unit (ACU).</p>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959605

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

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# B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959606

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

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

### OPERATION

This unit classifies occupant on a passenger seat and detects electrical trouble in Occupant Classification System, and transmits trouble 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:000000000959607

#### 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.	<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 diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p>	<ol style="list-style-type: none"> <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 diagnosis sensor unit (ACU).</li> </ol>

JMHIA0045GB

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

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

### < COMPONENT DIAGNOSIS >

---

>> GO TO 2.

#### 2. CONSULT-LLL

---

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

#### 3. DTC CODE

---

If DTC is detected. Refer to [SRC-30](#)

>> **END**

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### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2. USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3. USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4. USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5. DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6. DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-30](#)

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# B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

---

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959608

With CONSULTIII

**CAUTION:**

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

DIAGNOSTIC PROCEDURE

## 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

## 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

## 3.CHECK OCCUPANT SENSOR C/U

---

Check the displayed on CONSULT-III?

Is "OCCUPANT SENSOR C/U" displayed on CONSULT-III?

YES >> Replace passenger side seat cushion assembly.

>> **INSPECTION END.**

# B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

## B1018 OCCUPANT SENS

### Description

INFOID:000000000959609

### DTC B1018 [UNIT FAIL] OCCUPANT SENS

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat sensor mat is installed in the passenger seat cushion.

### DTC Logic

INFOID:000000000959610

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Trouble occurs in OCS – SENS.	<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 diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p>	<ol style="list-style-type: none"> <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 diagnosis sensor unit (ACU).</li> </ol>

JMHIA0045GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

## B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

---

### 2. CONSULT-LLL

---

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

### 3. DTC CODE

---

If DTC is detected. Refer to [SRC-33](#)

>> END

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

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

### 1. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2. USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3. USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4. USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5. DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6. DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-33](#)

>> END



# B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

## Diagnosis Procedure (Component diagnosis)

INFOID:000000000959611

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK OCCUPANT SENSOR C/U

Check the displayed on CONSULT-III?

Is "OCCUPANT SENSOR C/U" displayed on CONSULT-III?

YES >> Replace passenger side seat cushion assembly.

>> **INSPECTION END.**

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# B1022 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

## B1022 OCCUPANT SENS C/U

### Description

INFOID:000000000959612

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

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

### OPERATION

This unit classifies occupant on a passenger seat and detects electrical trouble in Occupant Classification System (OCS) and transmits trouble 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:000000000959613

#### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Trouble occurs in OCS-C/U, circuit of OCS-C/U – ACU or ACU.	<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 diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec. 7 sec.</p> <p>a b c d a b</p> <p>5 flashes</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace front passenger seat cushion and occupant classification system control unit as an assembly.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0045GB

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

## B1022 OCCUPANT SENS C/U

### < COMPONENT DIAGNOSIS >

---

>> GO TO 2.

#### 2. CONSULT-LLL

---

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

#### 3. DTC CODE

---

If DTC is detected. Refer to [SRC-36](#)

>> **END**

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### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2. USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3. USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4. USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5. DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6. DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-36](#)

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## B1022 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

---

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959614

With CONSULT-III

**CAUTION:**

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

DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK OCCUPANT SENSOR C/U

---

Check the displayed on CONSULT-III?

Is "OCCUPANT SENSOR C/U" displayed on CONSULT-III?

YES >> Replace passenger side seat cushion assembly.

>> **INSPECTION END.**

# B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

## B1023 PASS A/B INDCTR CKT

### Description

INFOID:000000000959615

### DTC B1023 PASS A/B INDCTR CKT

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959616

### 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.	<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 unit.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

Flash pattern	Repair order
<p>&lt;Front passenger air bag off indicator&gt;</p> <p>a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec. 2 sec.</p> <p>a b c d a b</p> <p>11 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 front passenger air bag off indicator unit.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

## B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

---

### 2. CONSULT-LLL

---

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

### 3. DTC CODE

---

If DTC is detected. Refer to [SRC-39](#)

>> **END**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

**NOTE:**

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

### 1. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2. USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3. USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4. USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5. DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6. DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-39](#)

>> **END**

# B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

## Diagnosis Procedure (Component diagnosis)

INFOID:000000000959617

With CONSULT-III

### CAUTION:

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK PASSENGER AIR BAG INDICATOR

Check the displayed on CONSULT-III?

Is "PASSENGER AIR BAG INDICATOR" displayed on CONSULT-III?

YES >> Replace passenger air bag indicator.

NO >> Replace diagnosis sensor unit (ACU).

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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:000000000959618

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959619

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	Flash pattern	Repair order
	<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	1. Replace the diagnosis sensor unit (ACU).

JMHIA0034GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.



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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-41](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-41](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959620

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

## B1033, B1034 CRASH ZONE SEN

### Description

INFOID:000000000959621

### DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

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

### OPERATION

When ACU define the both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed 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:000000000959622

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	crash zone sensor is out of order.	<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 crash zone sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-44](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-44](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959623

# B1033, B1034 CRASH ZONE SEN

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK CRASH ZONE SENSOR

---

Is "" displayed on CONSULT-III?

YES or NO

YES >> Replace crash zone sensor.

NO >> Replace diagnosis sensor unit (ACU).

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# B1035 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

## B1035 CRASH ZONE SEN

### Description

INFOID:000000000959624

#### DTC B1035 [COMM FAIL] CRASH ZONE SENSOR

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

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed 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:000000000959625

#### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	crash zone sensor is out of order.	<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 crash zone sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

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

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1035 CRASH ZONE SEN

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-47](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-47](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959626

## B1035 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK CRASH ZONE SENSOR

---

Is<sup>\*\*\*</sup> displayed on CONSULT-III?

YES or NO

YES >> Replace crash zone sensor.

NO >> Replace diagnosis sensor unit (ACU).



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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959627

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959628

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

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

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959629

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

A  
B  
C  
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G  
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K  
L  
M  
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P

SRC

# B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1054 DRIVER AIRBAG MODULE

### Description

INFOID:000000000959630

### DTC B1054 [OPEN] DRIVER AIRBAG MODULE

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959631

### 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
B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable).	<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 driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0033GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1054 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-53](#)

>> **END**

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

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE--DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice perform three times in all.

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON now in diagnosis mode.

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-53](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959632

With CONSULT-III

**CAUTION:**

# B1054 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

---

Check the spiral cable.

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

---

Check the displayed on CONSULT-III.

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

# B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1055 DRIVER AIRBAG MODULE

### Description

INFOID:000000000959633

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

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959634

### 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
B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable).	<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 driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0033GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1055 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-56](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice perform three times in all.

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON now in diagnosis mode.

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-56](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959635

With CONSULT-III

**CAUTION:**



# B1055 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

Check the spiral cable.

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

Check the displayed on CONSULT-III.

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

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# B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1056 DRIVER AIRBAG MODULE

### Description

INFOID:000000000959636

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

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959637

### 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
B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable).	<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 driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1056 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-59](#)

>> **END**

A

B

C

D

E

F

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-59](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959638

With CONSULT-III

**CAUTION:**

# B1056 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

---

Check the spiral cable.

Is continuity of spiral cable good?

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

---

Check the displayed on CONSULT-III.

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

NO >> Replace diagnosis sensor unit (ACU).

# B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

## B1057 DRIVER AIRBAG MODULE

### Description

INFOID:000000000959639

### DTC B1057 [SHORT] DRIVER AIRBAG MODULE

For driver "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959640

### 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
B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable).	<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 driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1057 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-62](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-62](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959641

With CONSULT-III

**CAUTION:**

# B1057 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

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

A

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

B

Check the harness connector.

Are connections of harness connectors and terminals correct?

C

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

D

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

E

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SPIRAL CABLE

F

Check the spiral cable.

Is continuity of spiral cable good?

G

YES >> GO TO 4.

NO >> Repair or replace spiral cable.

#### 4.CHECK DRIVER AIR BAG MODULE

SRC

Check the displayed on CONSULT-III.

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace driver air bag module

I

NO >> Replace diagnosis sensor unit (ACU).

J

K

L

M

N

O

P

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959642

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959643

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	Flash pattern	Repair order
	<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	1. Replace the diagnosis sensor unit (ACU).

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.



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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:00000000959644

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1070 ASSIST A/B MODULE

### Description

INFOID:000000000959645

### DTC B1070 [OPEN] ASSIST A/B MODULE

For passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959646

### 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
B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open.	<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 airbag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1070 ASSIST A/B MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-68](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-68](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959647

# B1070 ASSIST A/B MODULE

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK PASSENGER AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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# B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1071 ASSIST A/B MODULE

### Description

INFOID:000000000959648

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

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959649

### 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
B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit.	<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 module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0035GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUET-LLL

Select "DIAG MODE" with CONSULT-III.

# B1071 ASSIST A/B MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-71](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-71](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959650

## B1071 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK PASSENGER AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).



# B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1072 ASSIST A/B MODULE

### Description

INFOID:000000000959651

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

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959652

### 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
B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground.	<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 module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0035GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-74](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### **NOTE:**

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to the blinking times of air bag warning lamp. Refer to [SRC-74](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959653

With CONSULT-III

**CAUTION:**

# B1072 ASSIST A/B MODULE

## < COMPONENT DIAGNOSIS >

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK PASSENGER AIR BAG MODULE

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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# B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1073 ASSIST A/B MODULE

### Description

INFOID:000000000959654

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

For front passenger "AIR BAG", crash is judged by main "G" sensor output signal and sub "G" sensor in front direction.

### OPERATION

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

### STRUCTURE

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:000000000959655

#### 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
B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other.	<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 module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

#### Warning Lamp Flash Code Chart

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1073 ASSIST A/B MODULE

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-77](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-77](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959656

## B1073 ASSIST A/B MODULE

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK PASSENGER AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace passenger air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959657

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959658

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

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

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959659



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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

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# B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1081 PRE-TEN FRONT RH

### Description

INFOID:000000000959660

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959661

### 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 pretensioner circuit is open.	<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 RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1081 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-83](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-83](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959662

## B1081 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1082 PRE-TEN FRONT RH

### Description

INFOID:000000000959663

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959664

### 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 pretensioner circuit is shorted to some power supply circuit.	<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 RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-86](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-86](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959665

# B1082 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### **1.CHECK HARNESS CONNECTOR**

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### **2.CHECK WIRING HARNESS**

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### **3.CHECK SEAT BELT PRE-TENSIONER**

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

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# B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1083 PRE-TEN FRONT RH

### Description

INFOID:000000000959666

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959667

### 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 pretensioner circuit is shorted to ground.	<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 RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select “DIAG MODE” with CONSULT-III.



# B1083 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-89](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-89](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959668

## B1083 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

## B1084 PRE-TEN FRONT RH

### Description

INFOID:000000000959669

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959670

### 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 pretensioner circuit are shorted to each other.	<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 RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-92](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-92](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959671

# B1084 PRE-TEN FRONT RH

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK SEAT BELT PRE-TENSIONER

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

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SRC

# B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1086 PRE-TEN FRONT LH

### Description

INFOID:000000000959672

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959673

### 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.	<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 LH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1086 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-95](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-95](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959674

## B1086 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).



# B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000000959675

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959676

### 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 pretensioner circuit is shorted to some power supply circuit.	<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 LH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1087 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-98](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-98](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959677

# B1087 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

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SRC

# B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1088 PRE-TEN FRONT LH

### Description

INFOID:000000000959678

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959679

### 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 pretensioner circuit is shorted to ground.	<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 LH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1088 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-101](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-101](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959680

## B1088 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

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With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK SEAT BELT PRE-TENSIONER

---

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

# B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000000959681

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959682

### 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 pretensioner circuit are shorted to each other.	<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 LH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1089 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-104](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-104](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959683



# B1089 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wire harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK SEAT BELT PRE-TENSIONER

Check the displayed on CONSULT-III?

Is "SEAT BELT PRE-TENSIONER" displayed on CONSULT-III?

YES >> Replace seat belt pre-tensioner.

NO >> Replace diagnosis sensor unit (ACU).

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SRC

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959684

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959685

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	Flash pattern	Repair order
	<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	1. Replace the diagnosis sensor unit (ACU).

JMHIA0034GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959686

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000000959687

### DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

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

### OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches ON and feed 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

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

### DTC Logic

INFOID:000000000959688

### 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.	<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 RH satellite sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

JMHIA0039GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

---

>>

## 3.DTC CODE

---

If DTC is detected. Refer to [SRC-110](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-110](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959689

# B1113, B1114 SATELLITE SENS RH

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SATELLITE SENSOR

Check the displayed on CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

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

SRC

# B1115 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

## B1115 SATELLITE SENS RH

### Description

INFOID:000000000959690

### DTC B1115 [COMM FAIL] SATELLITE SENS RH

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

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed 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

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

### DTC Logic

INFOID:000000000959691

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115	SATELLITE SENS RH [COMM FAIL]	RH satellite sensor is out of order.	<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 RH satellite sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

JMHIA0039GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.



# B1115 SATELLITE SENS RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-113](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-113](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959692

## B1115 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Check the displayed on CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

# B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

## B1118, B1119 SATELLITE SENS LH

### Description

INFOID:000000000959693

### DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

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

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed 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 out put terminals for signal voltage.

### INSTALLATION

Satellite sensor is installed at the under side of center pillar with fixed nuts.

### DTC Logic

INFOID:000000000959694

### 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.	<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 LH satellite sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

JMHIA0040GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1118, B1119 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-116](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-116](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959695

## B1118, B1119 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Check the displayed on CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).

A

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SRC

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N

O

P

# B1120 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

## B1120 SATELLITE SENS LH

### Description

INFOID:000000000959696

### DTC B1120 [COMM FAIL] SATELLITE SENS LH

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

### OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing sensor to be that of collision which exceeds specified level, the driving circuit switches on and feed 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

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

### DTC Logic

INFOID:000000000959697

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120	SATELLITE SENS LH [COMM FAIL]	LH satellite sens is out of order.	<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 LH satellite sens.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

JMHIA0040GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1120 SATELLITE SENS LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-119](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-119](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959698

# B1120 SATELLITE SENS LH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SATELLITE SENSOR

---

Check the displayed on CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

YES >> Replace satellite sensor.

NO >> Replace diagnosis sensor unit (ACU).



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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959699

### 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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959700

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>

Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<p>1. Replace the diagnosis sensor unit (ACU).</p>

JMHIA0034GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959701

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

A

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# B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1129 SIDE MODULE RH

### Description

INFOID:000000000959702

### DTC B1129 [OPEN] SIDE MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959703

### 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.	<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 RH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1129 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-125](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-125](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959704

## B1129 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1130 SIDE MODULE RH

### Description

INFOID:000000000959705

### DTC B1130 [VB-SHORT] SIDE MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959706

### DTC DETECTION LOGIC

With CONSULT-III

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

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit.	<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 RH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0041GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1130 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-128](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-128](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959707



# B1130 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SIDE AIR BAG MODULE

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

A  
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J  
K  
L  
M  
N  
O  
P

SRC

# B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1131 SIDE MODULE RH

### Description

INFOID:000000000959708

### DTC B1131 [GND-SHORT] SIDE MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959709

### 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.	<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 RH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0041GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1131 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-131](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-131](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959710

## B1131 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1132 SIDE MODULE RH

### Description

INFOID:000000000959711

### DTC B1132 [SHORT] SIDE MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959712

### 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.	<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 RH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front RH side air bag module>

Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0041GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1132 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-134](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-134](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959713

# B1132 SIDE MODULE RH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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SRC

# B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1134 SIDE MODULE LH

### Description

INFOID:000000000959714

### DTC B1134 [OPEN] SIDE MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959715

### 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.	<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 LH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0042GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.



# B1134 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-137](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunction portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-137](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959716

## B1134 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1135 SIDE MODULE LH

### Description

INFOID:000000000959717

### DTC B1135 [VB-SHORT] SIDE MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959718

### DTC DETECTION LOGIC

With CONSULT-III

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

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit.	<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 LH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0042GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1135 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-140](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunction portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-140](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959719

# B1135 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK SIDE AIR BAG MODULE

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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SRC

# B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1136 SIDE MODULE LH

### Description

INFOID:000000000959720

### DTC B1136 [GND-SHORT] SIDE MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959721

### 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.	<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 LH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0042GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1136 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-143](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-143](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959722

## B1136 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).



# B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1137 SIDE MODULE LH

### Description

INFOID:000000000959723

### DTC B1137 [SHORT] SIDE MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959724

### 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.	<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 LH side air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0042GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

## B1137 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

#### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-146](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

#### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

#### 2.USER MODE-DIAG MODE

---

After air bag warning lamp lilluminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

#### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

#### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

#### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

#### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-146](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959725

# B1137 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connectors.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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

SRC

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959726

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959727

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

<Diagnosis sensor unit>	Flash pattern	Repair order
	<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	1. Replace the diagnosis sensor unit (ACU).

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

### DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959728

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

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

## DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000000959729

### DTC B1145 [OPEN] CURTAIN MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959730

### 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 curtain air bag module circuit is open.	<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 RH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side curtain air bag module>	Repair order
<p>Flash pattern</p> <p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the related harness.</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1145 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-152](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-152](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959731



# B1145 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

A

B

C

D

E

F

G

SRC

I

J

K

L

M

N

O

P

# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000000959732

### DTC B1146 [VB-SHORT] CURTAIN MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959733

### 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.	<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 RH side curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0043GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1146 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-155](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-155](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959734

# B1146 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000000959735

### DTC B1147 [GND-SHORT] CURTAIN MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959736

### 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 curtain air bag module circuit is shorted to ground.	<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 RH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0043GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1147 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-158](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-158](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959737

# B1147 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

**CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1.CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2.CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3.CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

A

B

C

D

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F

G

SRC

I

J

K

L

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N

O

P

# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000000959738

### DTC B1148 [SHORT] CURTAIN MODULE RH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959739

### 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 curtain air bag module circuit are shorted to each other.	<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 RH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p> <p>5 flashes</p> <p>ON</p> <p>OFF</p> <p>7 sec.</p> <p>2 sec.</p> <p>1.5 sec.</p> <p>1.5 sec.</p> <p>0.5 sec.</p> <p>0.5 sec.</p> <p>0.5 sec.</p> <p>2 sec.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0043GB

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUET-LLL

Select "DIAG MODE" with CONSULT-III.



# B1148 CURTAIN MODULE RH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-161](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-161](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959740

## B1148 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000000959741

### DTC B1150 [OPEN] CURTAIN MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959742

### 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 curtain air bag module circuit is open.	<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 LH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side curtain air bag module>	Repair order
<p>Flash pattern</p> <p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1150 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-164](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-164](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959743

# B1150 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

---

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000000959744

### DTC B1151 [VB-SHORT] CURTAIN MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959745

### 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 curtain air bag module circuit is shorted to some power supply circuit.	<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 LH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1151 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE.

---

If DTC is detected. Refer to [SRC-167](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-167](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959746

## B1151 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

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With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

##### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

##### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

##### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).



# B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000000959747

### DTC B1152 [GND-SHORT] CURTAIN MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959748

### 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 curtain air bag module circuit is shorted to ground.	<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 LH curtain airbag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1152 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-170](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-170](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959749

# B1152 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

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With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### **1.**CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

#### **2.**CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### **3.**CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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# B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1153 CURTAIN MODULE LH

### Description

INFOID:000000000959750

### DTC B1153 [SHORT] CURTAIN MODULE LH

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959751

### 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 curtain air bag module circuit are shorted to each other.	<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 LH curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

Without CONSULT-III

### Warning Lamp Flash Code Chart

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

# B1153 CURTAIN MODULE LH

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-173](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-173](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959752

## B1153 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

---

With CONSULT-III

#### **CAUTION:**

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

#### DIAGNOSTIC PROCEDURE

### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3. CHECK SIDE CURTAIN AIR BAG MODULE

---

Check the displayed on CONSULT-III?

Is "AIR BAG" displayed on CONSULT-III?

YES >> Replace side curtain air bag module.

NO >> Replace diagnosis sensor unit (ACU).

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

< COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000000959753

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

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000000959754

### DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Diagnosis sensor unit is out of order.	1. Replace diagnosis sensor unit (ACU).

Without CONSULT-III

### Warning Lamp Flash Code Chart

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

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONSUULT-LLL

Select "DIAG MODE" with CONSULT-III.

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

## < COMPONENT DIAGNOSIS >

---

>> GO TO 3.

### 3.DTC CODE

---

If DTC is detected. Refer to [SRC-26](#)

>> **END**

## DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2.

### 2.USER MODE-DIAG MODE

---

After air bag warning lamp illuminates for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3.

### 3.USER MODE-DIAG MODE

---

Wait more than 3 seconds.

>> GO TO 4.

### 4.USER MODE-DIAG MODE

---

Repeat step 1 to 3 twice. (Perform three times in all.)

>> GO TO 5.

### 5.DIAG MODE

---

Turn ignition switch ON. (SRS is now in diagnosis mode.)

>> GO TO 6.

### 6.DIAG MODE (AIR BAG WARNING LAMP)

---

Malfunctioning portion is indicated according to blinking times of air bag warning lamp. Refer to [SRC-26](#)

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000000959755



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

## < COMPONENT DIAGNOSIS >

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With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Are connections of harness connectors and terminals correct?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

#### 2. CHECK WIRING HARNESS

---

Check the wiring harness.

Is the outside of wiring harness normal, without any damage?

YES >> GO TO 3.

NO >> Replace wiring harness.

#### 3. CHECK DIAGNOSIS SENSOR UNIT

---

Check the displayed on CONSULT-III?

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

YES >> Replace diagnosis sensor unit (ACU).

>> **INSPECTION END.**

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# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000000959756

#### DTC B1209 FRONTAL COLLISION DETECTION

If the components that are not activated in frontal collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace malfunctioning components.

#### OPERATION

The air bag and seat belt pre-tensioners for driver and front seat passenger are operated by the decision of the diagnosis sensor unit out signal transmitted because of the frontal collision.

#### STRUCTURE

It consists of crash zone sensor, diagnosis sensor unit (ACU), air bags and seat belt pre-tensioners for drivers and front passenger.

#### INSTALLATION

Refer to [SR-14, "Removal and Installation"](#), [SR-16, "Removal and Installation"](#), [SR-4, "Removal and Installation"](#), [SR-10, "Removal and Installation"](#), [SB-5, "SEAT BELT RETRACTOR : Removal and Installation"](#).

### DTC Logic

INFOID:000000000959757

#### 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	Seat belt pretensioner, front air bag is deployed.	<ul style="list-style-type: none"><li>Go to <a href="#">SRC-178, "Diagnosis Procedure (Component diagnosis)"</a>.</li></ul>

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

##### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

##### 2. CONSULT-III

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

##### 3. DTC CODE

If DTC is detected. Refer to [SRC-178](#)

>> END

#### Diagnosis Procedure (Component diagnosis)

INFOID:000000000959758

# B1209 FRONTAL COLLISION DETECTION

## < COMPONENT DIAGNOSIS >

With CONSULT-III

### **CAUTION:**

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

### DIAGNOSTIC PROCEDURE

#### 1. CHECK FOR FRONT "AIR BAG"

Check the driver or passenger side air bag.

Is the "AIR BAG" module deployed?

YES >> Replace ""

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 2. CHECK FOR "SEAT BELT" PRE-TENSIONER

Check the seat belt pre-tensioner.

Is the "SEAT BELT" pre-tensioner activated?

YES >> Replace "SEAT BELT" pre-tensioner.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 3. CHECK FOR "AIR BAG" DIAGNOSIS SENSOR UNIT

Check the diagnosis sensor unit.

Is the "AIR BAG" module and/or "SEAT BELT" pre-tensioner activated?

YES >> Replace diagnosis sensor unit (ACU).

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 4. CHECK FOR STEERING WHEEL

Check the steering wheel.

Is the steering wheel normal, without any damage?

YES >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

NO >> Replace steering wheel.

#### 5. CHECK FOR SPIRAL CABLE

Check the spiral cable.

Is the spiral cable normal, without excessive heavy operation force, abnormal noise or damage?

YES >> The spiral cable used again.

NO >> Replace spiral cable.

#### 6. CHECK FOR WIRING HARNESS

Check the wiring harness.

Is the wiring harness normal, without any damage?

YES >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

NO >> Replace wiring harness or harness connector.

#### 7. CHECK FOR INSTRUMENT PANEL

Check the instrument panel (passenger side).

Is the side "AIR BAG" module activated?

YES >> Replace instrument panel.

NO >> Replace, if there are any visible signs of damage. (dents, tears or deformation)

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# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000000959759

### DTC B1210 SIDE COLLISION DETECTION

If the components that are not activated in side collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace the malfunctioning parts.

### OPERATION

The side air bag and curtain air bag are operated by the decision of the diagnosis sensor unit (ACU) signal of the side collision.

### STRUCTURE

It consists of satellite sensor, diagnosis sensor unit (ACU), side air bag and curtain air bag.

### INSTALLATION

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

### DTC Logic

INFOID:000000000959760

### 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	Side, curtain air bag is deployed.	<ul style="list-style-type: none"><li>Go to <a href="#">SRC-180. "Diagnosis Procedure (Component diagnosis)"</a>.</li></ul>

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

#### 2.CONCONSULT-LLL

Select "DIAG MODE" with CONSULT-III.

>> GO TO 3.

#### 3.DTC CODE

If DTC is detected. Refer to [SRC-180](#)

>> END

### Diagnosis Procedure (Component diagnosis)

INFOID:000000000959761

With CONSULT-III

# B1210 SIDE COLLISION DETECTION

## < COMPONENT DIAGNOSIS >

### CAUTION:

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

### DIAGNOSTIC PROCEDURE

#### 1. CHECK FOR SIDE "AIR BAG"

Check the side air bag.

Is the side "AIR BAG" module deployed?

YES >> Replace side ""

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 2. CHECK FOR CURTAIN "AIR BAG".

Check the curtain air bag.

Is the "AIR BAG" module activated?

YES >> Replace side curtain "AIR BAG".

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 3. CHECK FOR SATELLITE SENSOR

Check the satellite sensor.

Is the side "AIR BAG" module and/or side curtain "AIR BAG" module activated?

YES >> Replace satellite sensor.

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 4. CHECK FOR DIAGNOSIS SENSOR UNIT

Check the diagnosis sensor unit.

Is the side "AIR BAG" module and/or side curtain "AIR BAG" module activated?

YES >> Replace diagnosis sensor unit (ACU).

NO >> Replace, if there are any malfunction signs checking with CONSULT-III.

#### 5. CHECK FOR "SEAT BELT" PRE-TENSIONER

Check the seat belt pre-tensioner.

Is the seat belt able to extend smoothly any visible signs of damage?

YES >> Replace, if there are any malfunction signs checking with CONSULT-III.

NO >> Replace "SEAT BELT" pre-tensioner.

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SRC

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000000959762

DTC No. Index (With CONSULT-III)

(“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

**NOTE:**

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

Diagnostic item	Explanation	Repair order “Recheck SRS at each replacement”
NO DTC IS DETECTED.	When malfunction is indicated by the “AIR BAG” warning lamp in User mode. <ul style="list-style-type: none"> <li>• Low battery voltage (Less than 9 V)</li> <li>• Self-diagnosis result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after repair.</li> <li>• Intermittent malfunction has been detected in the past.</li> </ul>	<ul style="list-style-type: none"> <li>• Go to <a href="#">SRC-15, "Diagnosis Description"</a>.</li> </ul>
	<ul style="list-style-type: none"> <li>• No malfunction is detected.</li> </ul>	—
DRIVER AIRBAG MODULE [OPEN] [B1054]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is open. (including the spiral cable.)</li> </ul>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace driver air bag module.</li> <li>4. Replace spiral cable.</li> <li>5. Replace diagnosis sensor unit (ACU).</li> </ol>
DRIVER AIRBAG MODULE [VB-SHORT] [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>	
DRIVER AIRBAG MODULE [GND-SHORT] [B1056]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is shorted to ground. (including the spiral cable.)</li> </ul>	
DRIVER AIRBAG MODULE [SHORT] [B1057]	<ul style="list-style-type: none"> <li>• Driver air bag module circuit is shorted to each other. (including spiral cable.)</li> </ul>	
ASSIST A/B MODULE [OPEN] [B1070]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is open.</li> </ul>	
ASSIST A/B MODULE [VB-SHORT] [B1071]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is shorted to some power supply circuit.</li> </ul>	<ol style="list-style-type: none"> <li>3. Replace front passenger air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
ASSIST A/B MODULE [GND-SHORT] [B1072]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is shorted to ground.</li> </ul>	
ASSIST A/B MODULE [SHORT] [B1073]	<ul style="list-style-type: none"> <li>• Front passenger air bag module circuit is shorted to each other.</li> </ul>	
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035]	<ul style="list-style-type: none"> <li>• Crash zone sensor is out of order.</li> </ul>	<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 crash zone sensor.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
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>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace front LH side air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	A
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>		B
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>		C
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> <li>Front LH side air bag module circuit is shorted to each other.</li> </ul>		D
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>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace front RH side air bag module.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	E
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>		F
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>		G
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> <li>Front RH side air bag module circuit is shorted to each other.</li> </ul>		SRC
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120]	<ul style="list-style-type: none"> <li>LH side air bag (satellite) sensor is out of order.</li> </ul>	<ol style="list-style-type: none"> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace LH side air bag (Satellite) sensor.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	I
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115]	<ul style="list-style-type: none"> <li>RH side air bag (satellite) sensor is out of order.</li> </ul>		J
SATELLITE SENS LH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115]	<ul style="list-style-type: none"> <li>RH side air bag (satellite) sensor is out of order.</li> </ul>	<ol style="list-style-type: none"> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace RH side air bag (Satellite) sensor.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	K
PRE-TEN FRONT LH [OPEN] [B1086]	<ul style="list-style-type: none"> <li>Front LH pre-tensioner circuit is open.</li> </ul>		L
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> <li>Front LH pre-tensioner circuit is shorted to some power supply circuit.</li> </ul>		M
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> <li>Front LH pre-tensioner circuit is shorted to ground.</li> </ul>		N
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> <li>Front LH pre-tensioner circuit is shorted to each other.</li> </ul>	<ol style="list-style-type: none"> <li>Visually check the wiring harness connections.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace front LH seat belt.</li> <li>Replace diagnosis sensor unit (ACU).</li> </ol>	O
			P

## 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 pre-tensioner circuit is open.</li> </ul>	<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 front RH seat belt.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
PRE-TEN FRONT RH [VB-SHORT] [B1082]	<ul style="list-style-type: none"> <li>Front RH 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 pre-tensioner circuit is shorted to ground.</li> </ul>	
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> <li>Front RH pre-tensioner circuit is 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>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace LH side curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to some power supply circuits.</li> </ul>	
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to ground.</li> </ul>	
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> <li>LH side curtain air bag module circuit is shorted to each other.</li> </ul>	
CURTAIN MODULE RH [OPEN] [B1145]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is open.</li> </ul>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace RH side curtain air bag module.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to some power supply circuit.</li> </ul>	
CURTAIN MODULE RH [GND-SHORT] [B1147]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to ground.</li> </ul>	
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> <li>RH side curtain air bag module circuit is shorted to each other.</li> </ul>	
CONTROL UNIT [B1001-B1015] [B1026-B1031] [B1042-B1047] [B1058-B1063] [B1074-B1079] [B1106-B1111] [B1122-B1127] [B1138-B1143] [B1202-B1207]	<ul style="list-style-type: none"> <li>Diagnosis sensor is out of order.</li> </ul>	<ul style="list-style-type: none"> <li>Replace diagnosis sensor unit (ACU).</li> </ul>
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. 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 unit.</li> <li>4. Replace diagnosis sensor unit (ACU).</li> </ol>



# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	• Trouble occurs in OCS-CU.	<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 diagnosis sensor unit (ACU).</li> </ol>
OCCUPANT SENS [UNIT FAIL] [B1018]	• Trouble occurs in OCS-SENS.	<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 diagnosis sensor unit (ACU).</li> </ol>
OCCUPANT SENS C/U [COMM FAIL] [B1022]	• Trouble occurs in OCS-CU, circuit of OCS-CU~ACU, or ACU.	<ol style="list-style-type: none"> <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 diagnosis sensor unit (ACU).</li> </ol>
FRONTAL COLLISION DETECTION [B1209]	• Seat belt pre-tensioner and front air bag is deployed.	• Go to <a href="#">SRC-178</a> , " <a href="#">Diagnosis Procedure (Component diagnosis)</a> ".
SIDE COLLISION DETECTION [B1210]	• Side and curtain air bag is deployed.	• Go to <a href="#">SRC-180</a> , " <a href="#">Diagnosis Procedure (Component diagnosis)</a> ".

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>	
Flash pattern a through b are repeated. IGN ON 	Repair order <ol style="list-style-type: none"> <li>1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)</li> </ol>

PHIA0532E

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0033GB

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> <li>1. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0034GB

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front passenger air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0035GB

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the crash zone sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>

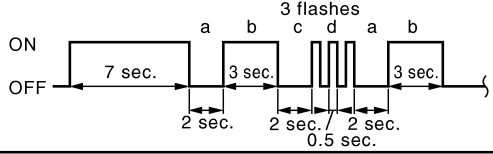
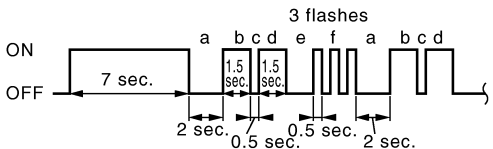
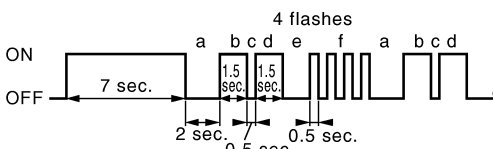
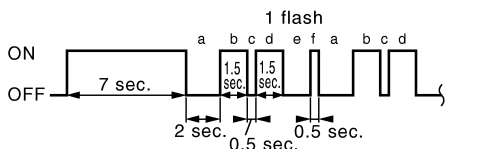
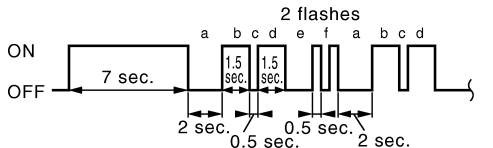
JMHIA0036GB

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0037GB

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<Front LH seat belt pre-tensioner>	
<p>Flash pattern</p> <p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p> 	<p>Repair order</p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>
JMHIA0038GB	
<RH side air bag (Satellite) sensor>	
<p>Flash pattern</p> <p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</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 the RH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>
JMHIA0039GB	
<LH side air bag (Satellite) sensor>	
<p>Flash pattern</p> <p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</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 the LH side air bag (Satellite) sensor.</li> <li>4. Replace the diagnosis sensor unit.</li> </ol>
JMHIA0040GB	
<Front RH side air bag module>	
<p>Flash pattern</p> <p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</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 the front RH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>
JMHIA0041GB	
<Front LH side air bag module>	
<p>Flash pattern</p> <p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</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 the front LH side air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>
JMHIA0042GB	

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# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0043GB

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH side curtain air bag module.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0044GB

<Occupant classification system>	
Flash pattern	Repair order
<p>a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit.</p>	<ol style="list-style-type: none"> <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 diagnosis sensor unit (ACU).</li> </ol>

JMHIA0045GB

<Front passenger air bag off indicator>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</p>	<ol style="list-style-type: none"> <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 unit.</li> <li>4. Replace the diagnosis sensor unit (ACU).</li> </ol>

JMHIA0046GB

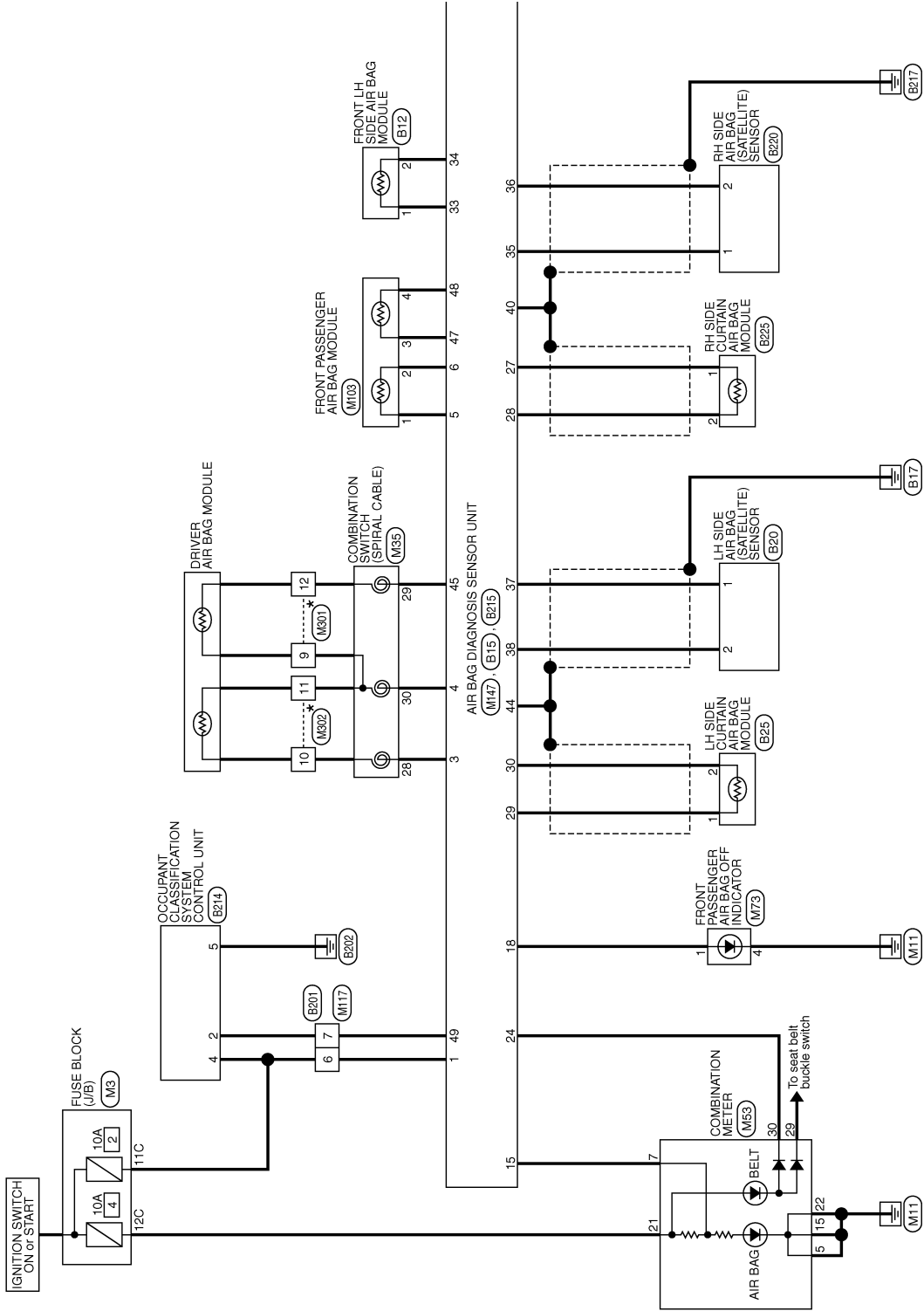
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000000959763

### SRS AIR BAG CONTROL SYSTEM



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

2006/09/15

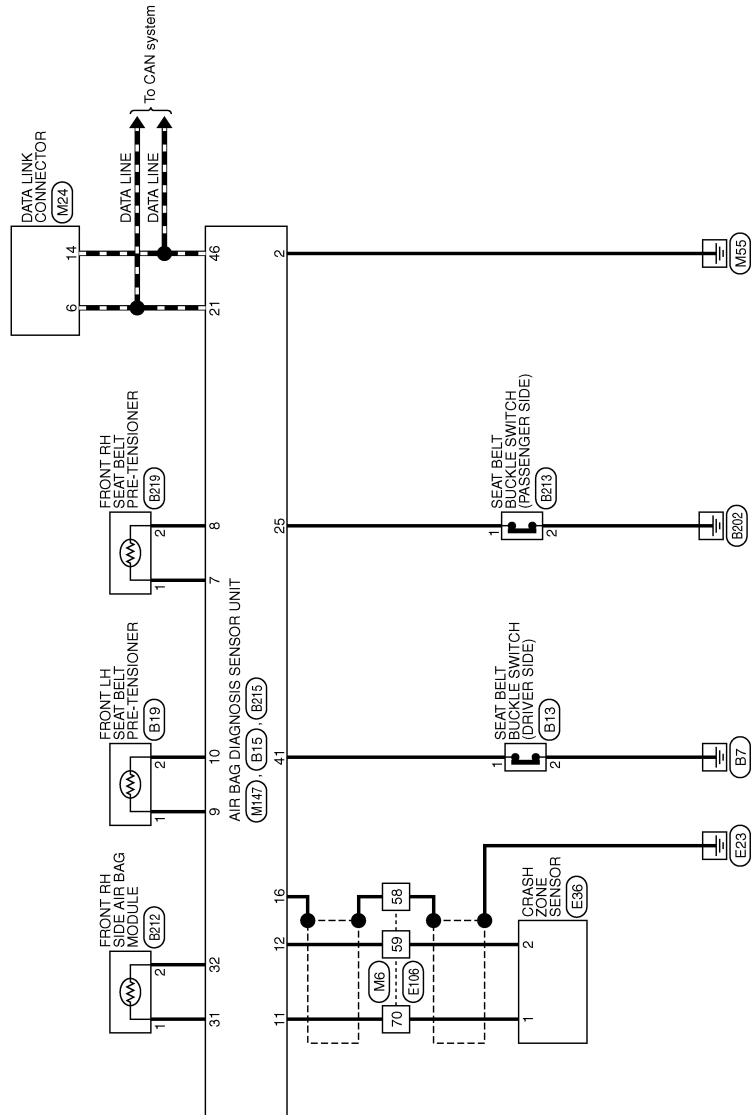
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >



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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

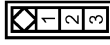
## SRS AIR BAG CONTROL SYSTEM

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



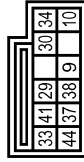
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	Y	-

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



Terminal No.	Color of Wire	Signal Name
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
9	Y	PLH(-)
10	Y	PLH(+)
29	G	CLH(+)
30	R	CLH(-)
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
1	Y	-
2	Y	-

Connector No.	B20
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FY-CS16-TM4



Terminal No.	Color of Wire	Signal Name
6	R	-
7	V	-

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



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

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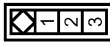
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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

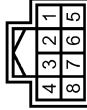
## SRS AIR BAG CONTROL SYSTEM

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



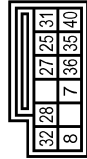
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name
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
7	Y	PRH(-)
8	Y	PRH(+)
25	LG	RH BUCKLE SW INPUT
27	P	CRH(-)
28	L	CRH(+)
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	ACAO2FY-2V



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

Connector No.	B220
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B225
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACAO2FY-2V



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

Connector No.	E536
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-GS16-TM4



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

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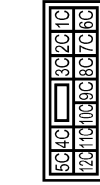


# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

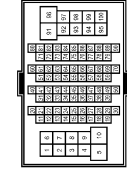
## SRS AIR BAG CONTROL SYSTEM

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



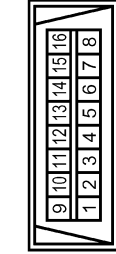
Terminal No.	Color of Wire	Signal Name
11C	LG	-
12C	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



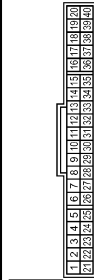
Terminal No.	Color of Wire	Signal Name
6	L	-
14	P	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



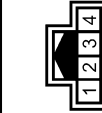
Terminal No.	Color of Wire	Signal Name
28	Y	-
29	Y	-
30	Y/R	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



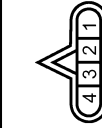
Terminal No.	Color of Wire	Signal Name
5	B	GND
7	LG	AIR BAG
15	B	GND
21	R	IGN
22	B	GND
29	SB	SEAT BELT BUCKLE SW (DRIVER SIDE)
30	G	SEAT BELT

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH04MW-NH



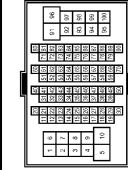
Terminal No.	Color of Wire	Signal Name
1	R	-
4	B	-

Connector No.	M103
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	FR04FY-BD



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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name
6	R	-
7	L	-

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK08FY-EX-SC



Terminal No.	Color of Wire	Signal Name
1	LG	IGN
2	B	GND
3	Y	DR1 (+)
4	Y	DR1 (-) DRZ (-)
5	Y	ASI (+)
6	Y	ASI (-)
11	SB	ECZS (+)
12	V	ECZS (-)
15	LG	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE

21	L	CAN-H
24	G	SEAT BELT DRZ (+)
45	Y	DRZ (-)
46	P	CAN-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
9	-	-
12	-	-

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



Terminal No.	Color of Wire	Signal Name
10	-	-
11	-	-

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# SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### SRS AIR BAG SYSTEM

#### Symptom Table

INFOID:000000000959764

"SRS AIR BAG" Warning Lamp Does Not Turn OFF

#### 1.CHECK THE DEPLOYMENT OF AIR BAG MODULE

Check the air bag module.

Is "AIR BAG" module deployed?

- YES >> Refer to [SRC-178. "Diagnosis Procedure \(Component diagnosis\)".](#)
- NO >> GO TO 2.

#### 2.CHECK THE AIR BAG FUSE

Refer to [PG-72. "Fuse".](#)

Check 10A fuse [No.13, located in fuse block (J/B)].

- OK >> GO TO 4.
- NG >> GO TO 3.

#### 3.CHECK AIR BAG FUSE AGAIN

Replace "AIR BAG" fuse and turn ignition switch ON.

Does the "AIR BAG" fuse blow again?

- YES >> Repair or replace main harness.
- NO >> **INSPECTION END**

#### 4.CHECK DIAGNOSIS SENSOR UNIT

Check the diagnosis sensor unit.

Is "AIR BAG" displayed on CONSULT-III?

- YES >> GO TO 5.
- NO >> Visually check the wiring harness connection of diagnosis sensor unit. If the harness connection check result is OK, replace diagnosis sensor unit.

#### 5.CHECK HARNESS CONNECTION

Check the harness connection.

Is harness connections between warning lamp and diagnosis sensor unit?

- OK >> Replace diagnosis sensor unit.
- NG >> Connect "AIR BAG" warning lamp and diagnosis sensor unit connector properly. If "AIR BAG" warning lamp still does not go off, replace harness.

"SRS AIR BAG" Warning Lamp Does Not Turn ON

#### 1.CHECK METER FUSE

Refer to [PG-72. "Fuse".](#)

Check 10A fuse [No.14, located in fuse block (J/B)].

- OK >> GO TO 3.
- NG >> GO TO 2.

#### 2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.14, located in fuse block (J/B)] and turn ignition switch ON.

Does the meter fuse blow again?

- YES >> Repair or replace the related harness.
- NO >> **INSPECTION END**

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## SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

---

### **3.**CHECK HARNESS CONNECTION BETWEEN DIAGNOSIS SENSOR UNIT AND COMBINATION METER

---

Disconnect diagnosis sensor unit connector and turn ignition switch ON.

Does AIR BAG warning lamp turn ON?

YES >> Replace diagnosis sensor unit.

NO >> Replace combination meter assembly.

# PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

## PASSENGER SEAT BELT WARNING SYSTEM

### Symptom Table

INFOID:000000000959765

Passenger Seat belt Warning System (Seat belt reminder).

### 1.CHECK THE SYSTEM 1

Check seat belt warning lamp function.

Sea tbelt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is not fasten.

#### OK or NG

OK >> GO TO 2.

NG >> 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 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.

#### OK or NG

OK >> System is OK.

NG >> Check the followings.

- Seat belt buckle switch (passenger side) circuit.
- Seat belt buckle switch (passenger side).

If these are OK, replace air bag diagnosis sensor unit.

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000000959766

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 and SB section 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 section.
- 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:000000000959767

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.  
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

#### Occupant Classification System Precaution

INFOID:000000000959768

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-95, "Removal and Installation"](#).