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SECTION

SRC

SRS AIRBAG CONTROL SYSTEM

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# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

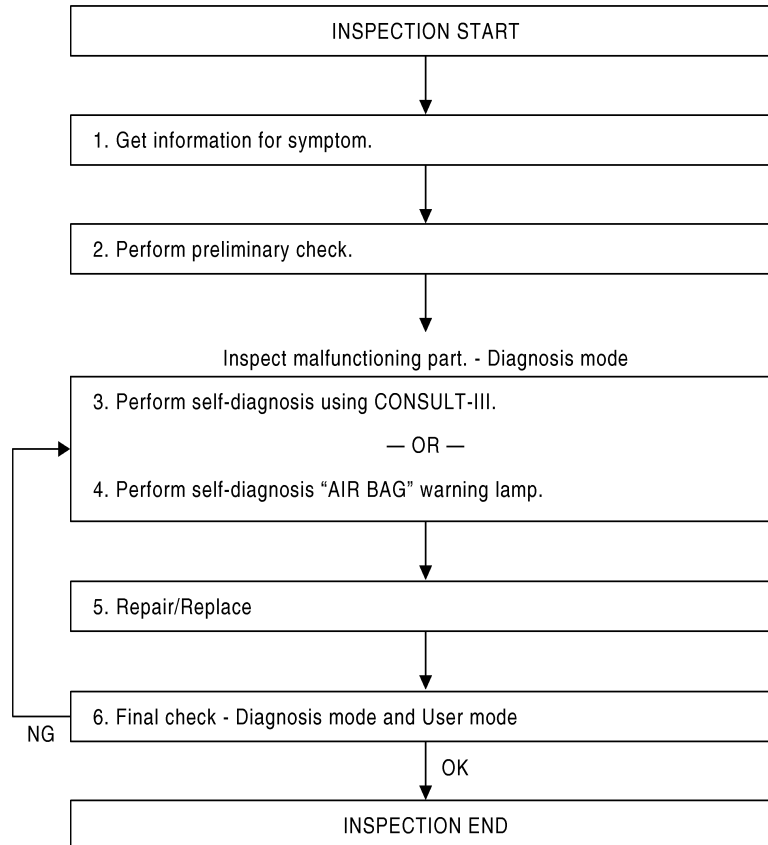
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000003813929

#### OVERALL SEQUENCE



JMHIA0027GB

#### DETAILED FLOW

##### 1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

##### 2.PERFORM PRELIMINARY CHECK

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

Is power supply circuit normal?

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

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

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

## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

---

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

---

Perform “AIR BAG” Self Diagnostic Result.

Is “MALFUNCTIONING PART” displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

---

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

---

Check the air bag warning lamp status.

Is “MALFUNCTIONING PART” detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

---

### 5.REPAIR OR REPLACE

---

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-10, “Air Bag Warning Lamp Diagnosis”](#) or [SRC-15, “CONSULT-III Function”](#).

>> GO TO 6.

---

### 6.FINAL CHECK

---

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

Are all malfunctions corrected?

YES >> **INSPECTION END**

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

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

# SRS AIR BAG SYSTEM

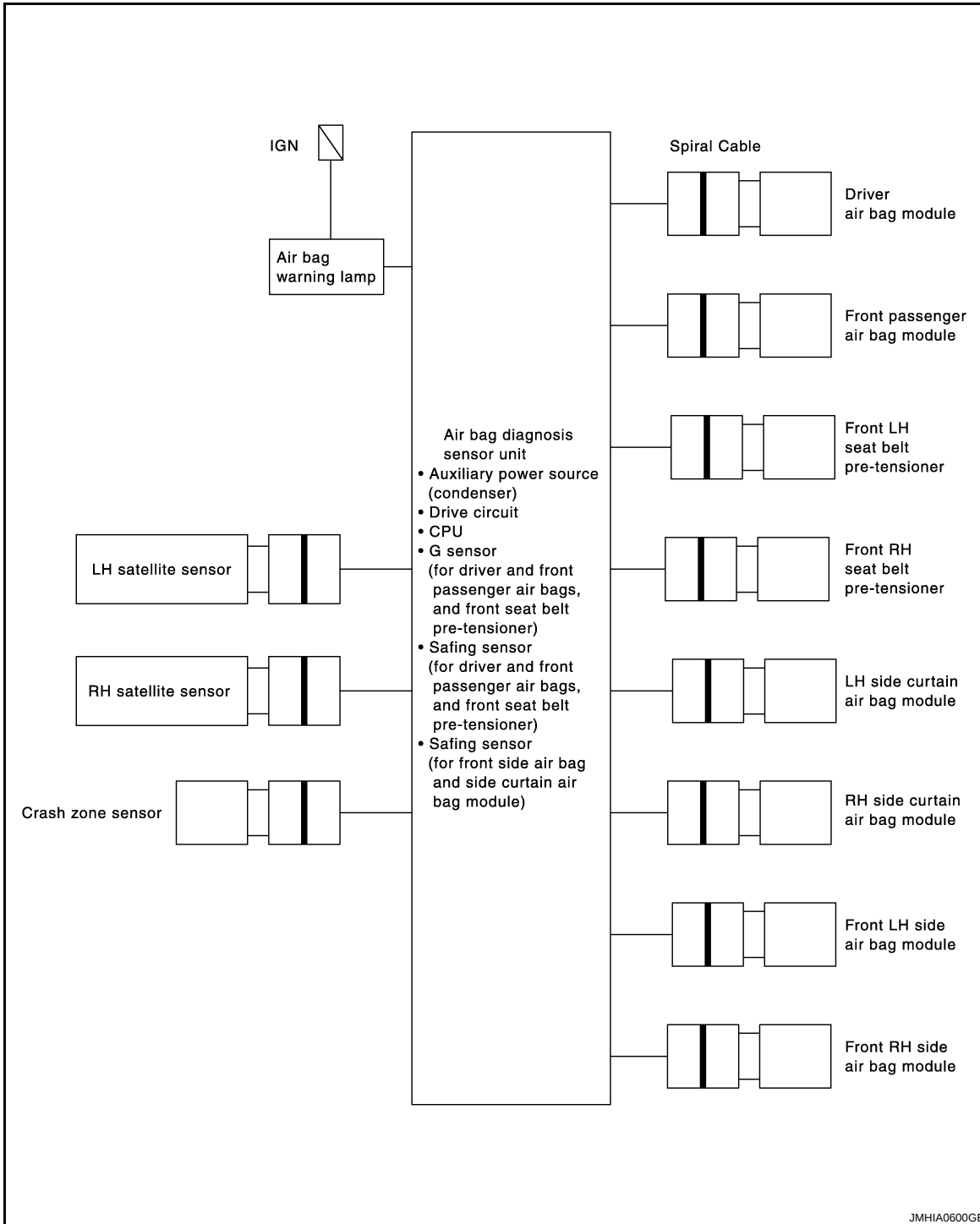
< FUNCTION DIAGNOSIS >

## FUNCTION DIAGNOSIS

### SRS AIR BAG SYSTEM

#### System Diagram

INFOID:0000000003813930



#### System Description

INFOID:0000000003813931

THIS SRS AIR BAG SYSTEM HAS THE FOLLOWING FUNCTIONS

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

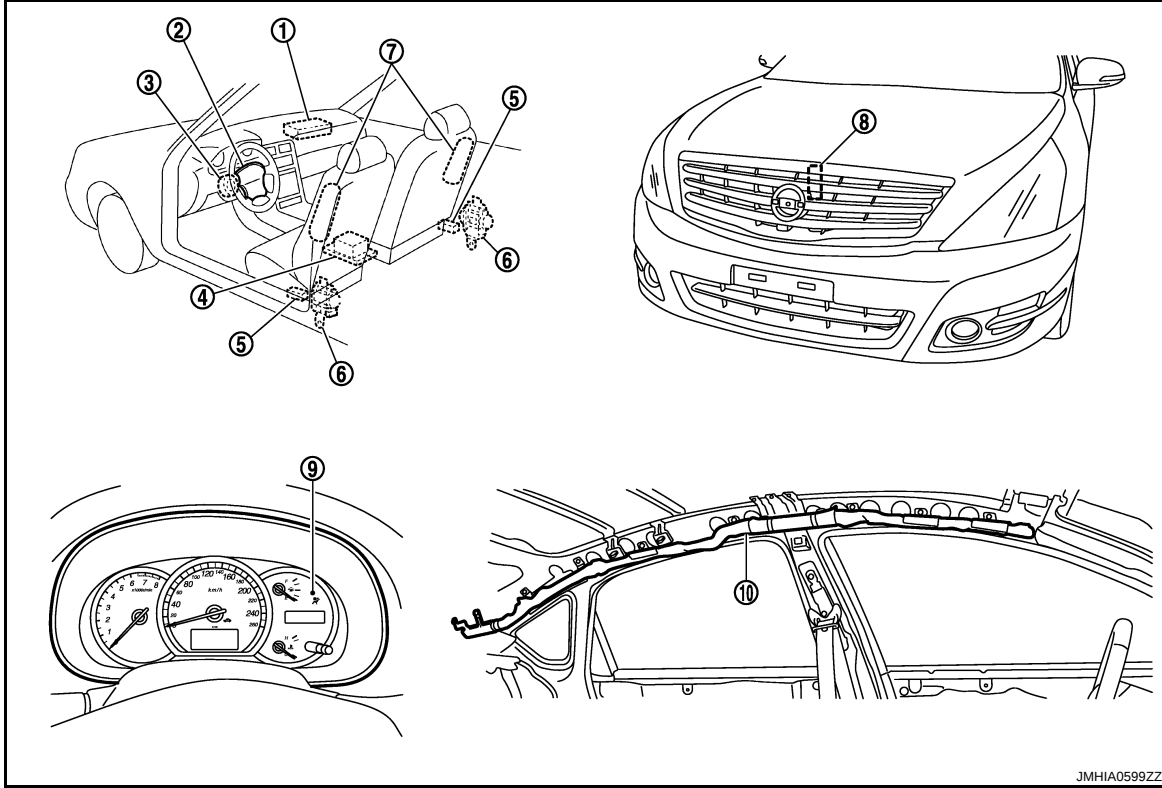
# SRS AIR BAG SYSTEM

## < FUNCTION DIAGNOSIS >

3. Detects and records the deployment of air bag and seat belt pre-tensioner, and turns on air bag warning lamp.
4. Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicates the malfunctioning record by CONSULT-III.

## Component Parts Location

INFOID:000000003813932



- |                                                                |                                                    |                                                                 |
|----------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------|
| 1. Front passenger air bag module M62                          | 2. Driver air bag module M350                      | 3. Combination switch (Spiral cable) M32                        |
| 4. Air bag diagnosis sensor unit B14, B228, M59                | 5. LH/RH satellite sensor<br>• LH B37<br>• RH B211 | 6. Front LH/RH seat belt pre-tensioner<br>• LH B36<br>• RH B213 |
| 7. Front LH/RH side air bag module<br>• LH B16<br>• RH B212    | 8. Crash zone sensor E313                          | 9. Combination meter (Air bag warning lamp) M34                 |
| 10. LH/RH side curtain air bag module<br>• LH B72<br>• RH B256 |                                                    |                                                                 |

## Component Description

INFOID:000000003813933

- Air bag diagnosis sensor units 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-122. "Diagnosis Procedure"</a>          | ×                 | —                   | —                    |
| Front passenger air bag module. Refer to <a href="#">SRC-122. "Diagnosis Procedure"</a> | ×                 | —                   | —                    |

# SRS AIR BAG SYSTEM

## < FUNCTION DIAGNOSIS >

| SRS configuration                                                                         | Frontal collision | Left side collision | Right side collision |
|-------------------------------------------------------------------------------------------|-------------------|---------------------|----------------------|
| Front LH seat belt pre-tensioner. Refer to <a href="#">SRC-122, "Diagnosis Procedure"</a> | ×                 | —                   | —                    |
| Front RH seat belt pre-tensioner. Refer to <a href="#">SRC-122, "Diagnosis Procedure"</a> | ×                 | —                   | —                    |
| Front LH side air bag module. Refer to <a href="#">SRC-124, "Diagnosis Procedure"</a>     | —                 | ×                   | —                    |
| Front RH side air bag module. Refer to <a href="#">SRC-124, "Diagnosis Procedure"</a>     | —                 | —                   | ×                    |
| LH side curtain air bag module. Refer to <a href="#">SRC-124, "Diagnosis Procedure"</a>   | —                 | ×                   | —                    |
| RH side curtain air bag module. Refer to <a href="#">SRC-124, "Diagnosis Procedure"</a>   | —                 | —                   | ×                    |

×: Application, —: No application

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SRC

# DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

## DIAGNOSIS SYSTEM (AIRBAG)

### Diagnosis Description

INFOID:000000003813934

#### CAUTION:

- **Never 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.**
- **Never 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, Frequency.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [PG-82, "Fuse"](#)).
- System component-to-harness connections.

### Air Bag Warning Lamp Diagnosis

INFOID:000000003843289

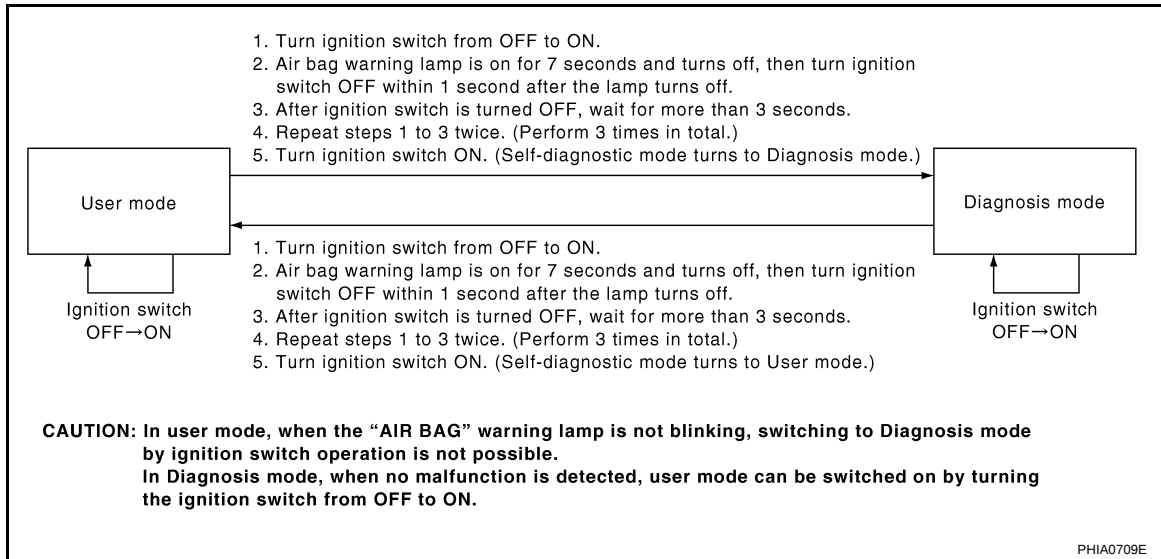
#### SELF-DIAGNOSIS FUNCTION

- 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.

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

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



### DIAGNOSTIC PROCEDURE (USER MODE)

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

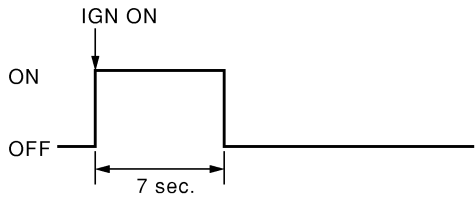
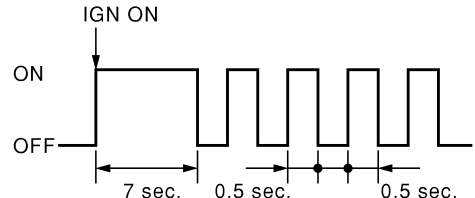
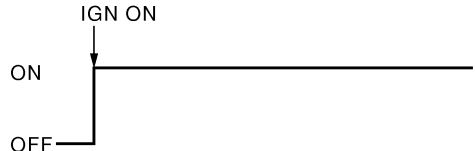
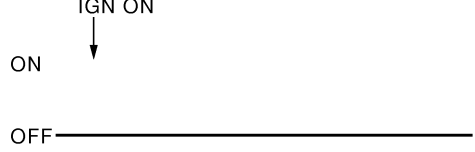
1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the air bag warning lamp blinking pattern with the examples.



## DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

### Air bag 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>—</p>                                                                                                      |
|  <p>SHIA0012E</p>   | <p>The system is malfunctioning and needs to be repaired as indicated</p>                                                                                                                                         | <p>Go to <a href="#">SRC-10, "Air Bag Warning Lamp Diagnosis"</a></p>                                         |
|  <p>SHIA0013E</p> | <ul style="list-style-type: none"> <li>Air bag is deployed</li> <li>Seat belt pre-tensioner is deployed</li> </ul>                                                                                                | <p>Go to <a href="#">SRC-122, "Diagnosis Procedure"</a> or <a href="#">SRC-124, "Diagnosis Procedure"</a></p> |
|  <p>SHIA0014E</p> | <ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning</li> <li>Air bag power supply circuit is malfunctioning</li> <li>Air bag warning lamp circuit is malfunctioning</li> </ul> | <p>Go to <a href="#">SRC-145, "Diagnosis Procedure"</a></p>                                                   |

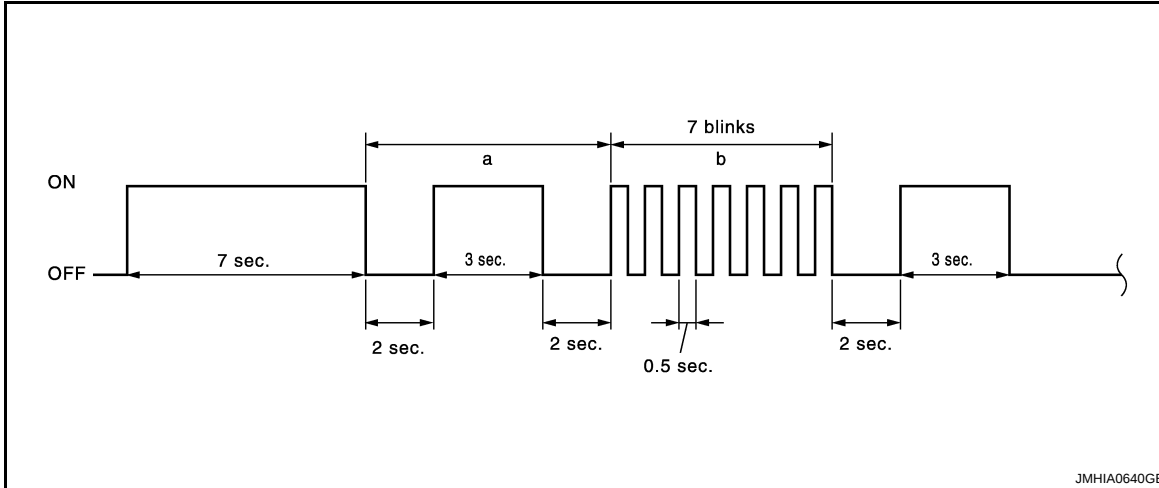
## DIAGNOSTIC PROCEDURE (DIAGNOSIS MODE)

1. Turn the ignition switch ON, and check that the air bag warning lamp blinks.
2. There are 2 blinking patterns for the air bag warning lamp. One is a 3-second blink followed by a 0.5-second blink repeat. The other is two 1.5-second blinks followed by a 0.5-second blink repeat.

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

An Example of a 3-second Blink Followed by a 0.5-second Blink Repeat



a through b are repeated.

b: Seven 0.5-second blinks indicate that the air bag diagnosis sensor unit circuit is malfunctioning.

Number of 0.5-second Blinks After a 3-second Blink Indicates Malfunctioning Items

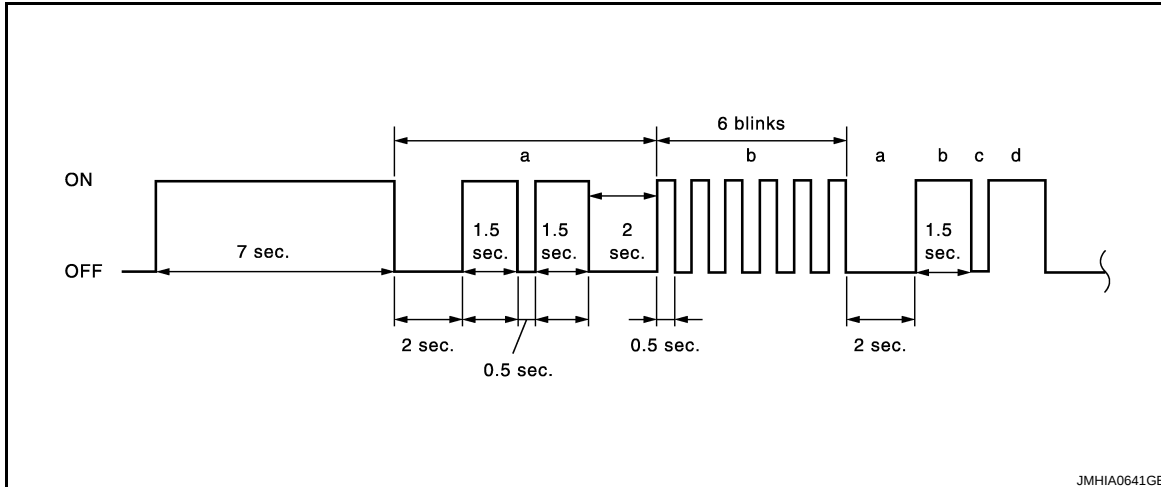
| Number of 0.5-second blinks | Malfunctioning items                 | Blinking pattern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0                           | Self-diagnosis result is not deleted | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1                           | Front LH seat belt pre-tensioner     | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-60, "DTC Logic"</a></li> <li><a href="#">SRC-62, "DTC Logic"</a></li> <li><a href="#">SRC-64, "DTC Logic"</a></li> <li><a href="#">SRC-66, "DTC Logic"</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2                           | Driver air bag module                | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-32, "DTC Logic"</a></li> <li><a href="#">SRC-34, "DTC Logic"</a></li> <li><a href="#">SRC-36, "DTC Logic"</a></li> <li><a href="#">SRC-38, "DTC Logic"</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3                           | Front RH seat belt pre-tensioner     | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-52, "DTC Logic"</a></li> <li><a href="#">SRC-54, "DTC Logic"</a></li> <li><a href="#">SRC-56, "DTC Logic"</a></li> <li><a href="#">SRC-58, "DTC Logic"</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 6                           | Crash zone sensor                    | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-24, "DTC Logic"</a></li> <li><a href="#">SRC-26, "DTC Logic"</a></li> <li><a href="#">SRC-28, "DTC Logic"</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7                           | Air bag diagnosis sensor unit        | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-16, "DTC Logic"</a></li> <li><a href="#">SRC-18, "DTC Logic"</a></li> <li><a href="#">SRC-20, "DTC Logic"</a></li> <li><a href="#">SRC-22, "DTC Logic"</a></li> <li><a href="#">SRC-30, "DTC Logic"</a></li> <li><a href="#">SRC-40, "DTC Logic"</a></li> <li><a href="#">SRC-50, "DTC Logic"</a></li> <li><a href="#">SRC-70, "DTC Logic"</a></li> <li><a href="#">SRC-80, "DTC Logic"</a></li> <li><a href="#">SRC-98, "DTC Logic"</a></li> <li><a href="#">SRC-120, "DTC Logic"</a></li> <li><a href="#">SRC-68, "DTC Logic"</a></li> <li><a href="#">SRC-118, "DTC Logic"</a></li> <li><a href="#">SRC-130, "DTC Logic"</a></li> </ul> |

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

| Number of 0.5-second blinks | Malfunctioning items           | Blinking pattern                                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8                           | Front passenger air bag module | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-42, "DTC Logic"</a></li> <li><a href="#">SRC-44, "DTC Logic"</a></li> <li><a href="#">SRC-46, "DTC Logic"</a></li> <li><a href="#">SRC-48, "DTC Logic"</a></li> </ul> |
| 17                          | Air bag diagnosis sensor unit  | Refer to the following <a href="#">SRC-100, "DTC Logic"</a>                                                                                                                                                                                         |

An Example of Two 1.5-second Blinks Followed by a 0.5-second Blink Repeat



a through b are repeated.

b: Six 0.5-second blinks indicate that the LH side curtain air bag module circuit is malfunctioning.

Number of 0.5-second Blinks After Two 1.5-second Blinks Indicates Malfunctioning Items

| Number of 0.5-second blinks | Malfunctioning items           | Blinking pattern                                                                                                                                                                                                                                        |
|-----------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                           | Front LH side air bag module   | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-90, "DTC Logic"</a></li> <li><a href="#">SRC-92, "DTC Logic"</a></li> <li><a href="#">SRC-94, "DTC Logic"</a></li> <li><a href="#">SRC-96, "DTC Logic"</a></li> </ul>     |
| 2                           | Front RH side air bag module   | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-82, "DTC Logic"</a></li> <li><a href="#">SRC-84, "DTC Logic"</a></li> <li><a href="#">SRC-86, "DTC Logic"</a></li> <li><a href="#">SRC-88, "DTC Logic"</a></li> </ul>     |
| 3                           | RH satellite sensor            | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-72, "DTC Logic"</a></li> <li><a href="#">SRC-74, "DTC Logic"</a></li> <li><a href="#">SRC-126, "DTC Logic"</a></li> </ul>                                                 |
| 4                           | LH satellite sensor            | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-76, "DTC Logic"</a></li> <li><a href="#">SRC-78, "DTC Logic"</a></li> <li><a href="#">SRC-128, "DTC Logic"</a></li> </ul>                                                 |
| 5                           | RH side curtain air bag module | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-102, "DTC Logic"</a></li> <li><a href="#">SRC-104, "DTC Logic"</a></li> <li><a href="#">SRC-106, "DTC Logic"</a></li> <li><a href="#">SRC-108, "DTC Logic"</a></li> </ul> |
| 6                           | LH side curtain air bag module | Refer to the following <ul style="list-style-type: none"> <li><a href="#">SRC-110, "DTC Logic"</a></li> <li><a href="#">SRC-112, "DTC Logic"</a></li> <li><a href="#">SRC-114, "DTC Logic"</a></li> <li><a href="#">SRC-116, "DTC Logic"</a></li> </ul> |

HOW TO ERASE SELF-DIAGNOSTIC RESULTS

# DIAGNOSIS SYSTEM (AIRBAG)

## < FUNCTION DIAGNOSIS >

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.

## CONSULT-III Function

INFOID:000000003813935

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

### From User Mode to Diagnosis Mode

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

### From Diagnosis Mode to User Mode

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.

## DIAGNOSIS MODE FOR CONSULT-III

- "SELF-DIAG [CURRENT]"  
Current self-diagnosis results (also indicated with the number of air bag warning lamp blinks in Diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
- "SELF-DIAG [PAST]"  
Diagnosis results previously stored in the memory are displayed on CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- "TROUBLE DIAG RECORD"  
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- "DISCRIMINATED NO."  
The air bag diagnosis sensor unit for each vehicle model has its own individual classification number. This number is displayed on CONSULT-III screen. When replacing the air bag diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.  
After repair, check that the discriminated number of air bag diagnosis sensor unit installed to vehicle is the same. Refer to [SR-22, "Exploded View"](#).

## HOW TO ERASE SELF-DIAGNOSTIC RESULTS

- "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 illuminating the warning lamp even if the malfunction is repaired completely.
- "TROUBLE DIAG RECORD"  
The memory of "TROUBLE DIAG RECORD" cannot be erased.

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

< COMPONENT DIAGNOSIS >

## COMPONENT DIAGNOSIS

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

#### Description

INFOID:000000003813936

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813937

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|-------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1001<br>B1002<br>B1003<br>B1004<br>B1005 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-16, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813938

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

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

### < COMPONENT DIAGNOSIS >

---

#### Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-16, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003813939

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813940

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|-------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1006<br>B1007<br>B1008<br>B1009<br>B1010 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-18, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813941

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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

### < COMPONENT DIAGNOSIS >

---

NO     >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-18, "DTC Logic"](#)

#### Is DTC detected?

YES     >> GO TO 1.

NO     >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003813942

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813943

| DTC No.                                   | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|-------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1011<br>B1012<br>B1013<br>B1014<br>B1015 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-20, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813944

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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

### < COMPONENT DIAGNOSIS >

---

NO     >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-20, "DTC Logic"](#)

#### Is DTC detected?

YES     >> GO TO 1.

NO     >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003813945

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813946

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1026<br>B1027<br>B1028<br>B1029<br>B1030<br>B1031 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-22, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813947

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

---

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).

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

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1033, B1034 CRASH ZONE SEN

### < COMPONENT DIAGNOSIS >

## B1033, B1034 CRASH ZONE SEN

### Description

INFOID:000000003813948

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

### OPERATION

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

### 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:000000003813949

| DTC No.        | Trouble diagnosis name           | DTC detecting condition           | Possible cause                                                                                                                                                                      |
|----------------|----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1033<br>B1034 | CRASH ZONE SENSOR<br>[UNIT FAIL] | Crash zone sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in crash zone sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

##### With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

##### Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-24. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003813950

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

## B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

### 3. REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-18, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-24, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-24, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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## B1035, B1036 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

### B1035, B1036 CRASH ZONE SEN

#### Description

INFOID:000000003813951

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

#### OPERATION

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

#### 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:000000003813952

| DTC No.        | Trouble diagnosis name                        | DTC detecting condition           | Possible cause                                                                                                                                                                      |
|----------------|-----------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1035<br>B1036 | CRASH ZONE SENSOR<br>[COMM FAIL]<br>[UNMATCH] | Crash zone sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in crash zone sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-26. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813953

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

## B1035, B1036 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

### 3. REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-18, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-26, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-26, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

## B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

### B1037, B1039, B1041 CRASH ZONE SENS1

#### Description

INFOID:000000003941403

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

#### OPERATION

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

#### 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:000000003941404

| DTC No.                 | Trouble diagnosis name | DTC detecting condition           | Possible cause                                                                                                                                                                      |
|-------------------------|------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1037<br>B1039<br>B1041 | CRASH ZONE SENSOR1     | Crash zone sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in crash zone sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-28. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003941405

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

## B1037, B1039, B1041 CRASH ZONE SENS1

< COMPONENT DIAGNOSIS >

### 3.REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-18, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003813954

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813955

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1042<br>B1043<br>B1044<br>B1045<br>B1046<br>B1047 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-30, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813956

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

---

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

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

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1049 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

### B1049 DRIVER AIRBAG MODULE

#### Description

INFOID:000000003813957

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813958

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

#### DTC CONFIRMATION PROCEDURE

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

###### ④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

###### ⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-32, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813959

#### WARNING:

###### ④ With CONSULT-III

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1049 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

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

### 3.CHECK SPIRAL CABLE CIRCUIT

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

| Driver air bag module |          | Combination switch (Spiral cable) |          | Continuity |
|-----------------------|----------|-----------------------------------|----------|------------|
| Connector             | Terminal | Connector                         | Terminal |            |
| M350                  | 10       | M32                               | 28       | Existed    |
|                       | 11       |                                   | 30       |            |

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

| Driver air bag module |          | Ground | Continuity  |
|-----------------------|----------|--------|-------------|
| Connector             | Terminal |        |             |
| M350                  | 10       |        | Not existed |
|                       | 11       |        |             |

#### Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Replace spiral cable. Refer to [SR-9, "Exploded View"](#).

### 4.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-6, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-32, "DTC Logic"](#).

#### Is DTC detected?

- YES >> GO TO 5.  
NO >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-32, "DTC Logic"](#).

#### Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

# B1050 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

### B1050 DRIVER AIRBAG MODULE

#### Description

INFOID:000000003813960

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813961

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

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-34, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813962

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1050 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

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

| Driver air bag module |          | Combination switch (Spiral cable) |          | Continuity |
|-----------------------|----------|-----------------------------------|----------|------------|
| Connector             | Terminal | Connector                         | Terminal |            |
| M350                  | 10       | M32                               | 28       | Existed    |
|                       | 11       |                                   | 30       |            |

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

| Driver air bag module |          | Ground | Continuity  |
|-----------------------|----------|--------|-------------|
| Connector             | Terminal |        |             |
| M350                  | 10       |        | Not existed |
|                       | 11       |        |             |

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-9, "Exploded View"](#).

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-34, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1051 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

### B1051 DRIVER AIRBAG MODULE

#### Description

INFOID:000000003813963

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813964

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

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-36, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813965

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

# B1051 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

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

| Driver air bag module |          | Combination switch (Spiral cable) |          | Continuity |
|-----------------------|----------|-----------------------------------|----------|------------|
| Connector             | Terminal | Connector                         | Terminal |            |
| M350                  | 10       | M32                               | 28       | Existed    |
|                       | 11       |                                   | 30       |            |

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

| Driver air bag module |          | Ground | Continuity  |
|-----------------------|----------|--------|-------------|
| Connector             | Terminal |        |             |
| M350                  | 10       |        | Not existed |
|                       | 11       |        |             |

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-9, "Exploded View"](#).

### 4.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-6, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1052 DRIVER AIRBAG MODULE

## < COMPONENT DIAGNOSIS >

### B1052 DRIVER AIRBAG MODULE

#### Description

INFOID:000000003813966

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813967

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

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-38, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813968

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1052 DRIVER AIRBAG MODULE

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

### 3.CHECK SPIRAL CABLE CIRCUIT

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

| Driver air bag module |          | Combination switch (Spiral cable) |          | Continuity |
|-----------------------|----------|-----------------------------------|----------|------------|
| Connector             | Terminal | Connector                         | Terminal |            |
| M350                  | 10       | M32                               | 28       | Existed    |
|                       | 11       |                                   | 30       |            |

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

| Driver air bag module |          | Ground | Continuity  |
|-----------------------|----------|--------|-------------|
| Connector             | Terminal |        |             |
| M350                  | 10       |        | Not existed |
|                       | 11       |        |             |

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-9, "Exploded View"](#).

### 4.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-6, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-38, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-38, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003813969

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813970

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1058<br>B1059<br>B1060<br>B1061<br>B1062<br>B1063 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-40, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813971

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

---

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-40. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1065 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1065 ASSIST A/B MODULE

### Description

INFOID:000000003813972

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003813973

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-42, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003813974

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1065 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

3.REPLACE FRONT PASSENGER AIR BAG MODULE

- 1. Replace front passenger air bag module. Refer to [SR-12, "Exploded View"](#)
- 2. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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# B1066 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1066 ASSIST A/B MODULE

### Description

INFOID:000000003813975

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003813976

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-44, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003813977

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1066 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

3.REPLACE FRONT PASSENGER AIR BAG MODULE

- 1. Replace front passenger air bag module. Refer to [SR-12, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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# B1067 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1067 ASSIST A/B MODULE

### Description

INFOID:000000003813978

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003813979

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-46, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003813980

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1067 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

3.REPLACE FRONT PASSENGER AIR BAG MODULE

- 1. Replace front passenger air bag module. Refer to [SR-12, "Exploded View"](#)
- 2. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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# B1068 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

## B1068 ASSIST A/B MODULE

### Description

INFOID:000000003813981

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003813982

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

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

### Diagnosis Procedure

INFOID:000000003813983

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1068 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

3.REPLACE FRONT PASSENGER AIR BAG MODULE

- 1. Replace front passenger air bag module. Refer to [SR-12, "Exploded View"](#)
- 2. Perform DTC confirmation procedure. Refer to [SRC-48, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-48, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003813984

Check the whole SRS 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 CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003813985

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1074<br>B1075<br>B1076<br>B1077<br>B1078<br>B1079 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

##### With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

##### Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-50, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003813986

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

---

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

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

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

### B1081 PRE-TEN FRONT RH

#### Description

INFOID:000000003813987

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813988

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-52, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813989

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1081 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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## B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

### B1082 PRE-TEN FRONT RH

#### Description

INFOID:000000003813990

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813991

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

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

#### Diagnosis Procedure

INFOID:000000003813992

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1082 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

## B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

### B1083 PRE-TEN FRONT RH

#### Description

INFOID:000000003813993

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813994

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-56, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813995

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1083 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

## B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

### B1084 PRE-TEN FRONT RH

#### Description

INFOID:000000003813996

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003813997

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-58, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003813998

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1084 PRE-TEN FRONT RH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front RH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-58, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-58, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

## B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

### B1086 PRE-TEN FRONT LH

#### Description

INFOID:000000003813999

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814000

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-60, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814001

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1086 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner. Refer to [SB-5. "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-60. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-60. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

# B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1087 PRE-TEN FRONT LH

### Description

INFOID:000000003814002

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814003

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-62, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814004

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1087 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner. Refer to [SB-5. "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-62. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-62. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

# B1088 PRE-TEN FRONT LH

## < COMPONENT DIAGNOSIS >

### B1088 PRE-TEN FRONT LH

#### Description

INFOID:000000003814005

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814006

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

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-64, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814007

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1088 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-64, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-64, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

# B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

## B1089 PRE-TEN FRONT LH

### Description

INFOID:000000003814008

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814009

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

① With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-66, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814010

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

## B1089 PRE-TEN FRONT LH

### < COMPONENT DIAGNOSIS >

---

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

### 3.REPLACE FRONT SEAT BELT PRE-TENSIONER

---

1. Replace front LH seat belt pre-tensioner. Refer to [SB-5. "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-66. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-66. "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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SRC

## B1090, B1091, B1092, B1093, B1094, B1095 CONTROL UNIT

### < COMPONENT DIAGNOSIS >

## B1090, B1091, B1092, B1093, B1094, B1095 CONTROL UNIT

### Description

INFOID:000000003958596

Check the whole SRS 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 CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003941389

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1090<br>B1091<br>B1092<br>B1093<br>B1094<br>B1095 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

YES >> Refer to [SRC-100, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003941390

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

**B1090, B1091, B1092, B1093, B1094, B1095 CONTROL UNIT**

**< COMPONENT DIAGNOSIS >**

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

**3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).  
2. Perform DTC confirmation procedure. Refer to [SRC-100. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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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:000000003814011

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814012

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1106<br>B1107<br>B1108<br>B1109<br>B1110<br>B1111 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-70, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814013

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

---

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

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

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1113, B1114 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

## B1113, B1114 SATELLITE SENS RH

### Description

INFOID:000000003814014

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814015

| DTC No.        | Trouble diagnosis name           | DTC detecting condition             | Possible cause                                                                                                                                                                        |
|----------------|----------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1113<br>B1114 | SATELLITE SENS RH<br>[UNIT FAIL] | RH satellite sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in RH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

##### With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

##### Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-72. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814016

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

3.REPLACE SATELLITE SENSOR

- 1. Replace RH satellite sensor. Refer to [SR-20, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-72, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

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SRC

## B1115, B1116 SATELLITE SENS RH

### < COMPONENT DIAGNOSIS >

## B1115, B1116 SATELLITE SENS RH

### Description

INFOID:000000003814017

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814018

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

##### With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

##### Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-74. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814019

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

3.REPLACE SATELLITE SENSOR

- 1. Replace RH satellite sensor. Refer to [SR-20, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-74, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> INSPECTION END

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
- 2. Perform DTC confirmation procedure. Refer to [SRC-74, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

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## B1118, B1119 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

## B1118, B1119 SATELLITE SENS LH

### Description

INFOID:000000003814020

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814021

| DTC No.        | Trouble diagnosis name           | DTC detecting condition             | Possible cause                                                                                                                                                                        |
|----------------|----------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1118<br>B1119 | SATELLITE SENS LH<br>[UNIT FAIL] | LH satellite sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in LH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-76. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814022

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

## B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

### 3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-20, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-76, "DTC Logic"](#)

Is DTC detected?

- YES    >> GO TO 4.  
NO     >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-76, "DTC Logic"](#).

Is DTC detected?

- YES    >> GO TO 1.  
NO     >> INSPECTION END

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## B1120, B1121 SATELLITE SENS LH

### < COMPONENT DIAGNOSIS >

## B1120, B1121 SATELLITE SENS LH

### Description

INFOID:000000003814023

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814024

| DTC No.        | Trouble diagnosis name                        | DTC detecting condition             | Possible cause                                                                                                                                                                        |
|----------------|-----------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1120<br>B1121 | SATELLITE SENS LH<br>[COMM FAIL]<br>[UNMATCH] | LH satellite sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in LH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-78. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814025

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

## B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

### 3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-20, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-78, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-78, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003814026

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814027

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1122<br>B1123<br>B1124<br>B1125<br>B1126<br>B1127 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-80, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814028

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

### < COMPONENT DIAGNOSIS >

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YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

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

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1129 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

## B1129 SIDE MODULE RH

### Description

INFOID:000000003814029

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814030

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. [SRC-10, "Air Bag Warning Lamp Diagnosis"](#)

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-82, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814031

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1129 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-82, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-82, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1130 SIDE MODULE RH

### Description

INFOID:000000003814032

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814033

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-84, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814034

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1130 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-84, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-84, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

## B1131 SIDE MODULE RH

### Description

INFOID:000000003814035

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814036

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-86, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814037

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1131 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3. REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-86, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-86, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

### B1132 SIDE MODULE RH

#### Description

INFOID:000000003814038

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814039

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

#### DTC CONFIRMATION PROCEDURE

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

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-88, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814040

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1132 SIDE MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3. REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-88, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-88, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1134 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

### B1134 SIDE MODULE LH

#### Description

INFOID:000000003814041

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814042

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

#### DTC CONFIRMATION PROCEDURE

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

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-90, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814043

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1134 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3. REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-90, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-90, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

## B1135 SIDE MODULE LH

### Description

INFOID:000000003814044

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814045

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-92, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814046

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1135 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-92, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-92, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1136 SIDE MODULE LH

## < COMPONENT DIAGNOSIS >

### B1136 SIDE MODULE LH

#### Description

INFOID:000000003814047

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814048

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

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-94, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814049

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1136 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-94, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-94, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

### B1137 SIDE MODULE LH

#### Description

INFOID:000000003814050

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814051

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

#### DTC CONFIRMATION PROCEDURE

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

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-96, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814052

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use un specified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1137 SIDE MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3. REPLACE FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module. Refer to [SR-16, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-96, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-96, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

#### Description

INFOID:000000003814053

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814054

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1138<br>B1139<br>B1140<br>B1141<br>B1142<br>B1143 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-98, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814055

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

**< COMPONENT DIAGNOSIS >**

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

**3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).  
2. Perform DTC confirmation procedure. Refer to [SRC-98. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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# B1144 ACU

## < COMPONENT DIAGNOSIS >

### B1144 ACU

#### Description

INFOID:000000003958598

Check the whole SRS 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 CONSULT-III.

#### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003941401

| DTC No. | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|---------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1144   | ACU                    | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-100. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003941402

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1144 ACU

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-100, "DTC Logic"](#).

#### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1145 CURTAIN MODULE RH

### Description

INFOID:000000003814056

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814057

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-102, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814058

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1145 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module. Refer to [SR-14, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-102, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-102, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1146 CURTAIN MODULE RH

### Description

INFOID:000000003814059

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814060

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-104, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814061

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1146 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module. Refer to [SR-14, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-104, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-104, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1147 CURTAIN MODULE RH

### Description

INFOID:000000003814062

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814063

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-106, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814064

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1147 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module. Refer to [SR-14, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-106, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-106, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

## B1148 CURTAIN MODULE RH

### Description

INFOID:000000003814065

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814066

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-108, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814067

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1148 CURTAIN MODULE RH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module. Refer to [SR-14, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-108, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-108, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1150 CURTAIN MODULE LH

### Description

INFOID:000000003814068

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814069

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

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-110, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814070

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1150 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module. Refer to [SR-14, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-110, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-110, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1151 CURTAIN MODULE LH

### Description

INFOID:000000003814071

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814072

| DTC No. | Trouble diagnosis name       | DTC detecting condition                                                        | Possible cause                                                                                                                                                                                             |
|---------|------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1151   | CURTAIN MODULE LH [VB-SHORT] | LH side curtain air bag module circuit is shorted to some power supply circuit | <ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Malfunction in LH side curtain air bag module</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-112, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814073

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1151 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module. Refer to [SR-14, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-112, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-112, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

## B1152 CURTAIN MODULE LH

### Description

INFOID:000000003814074

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814075

| DTC No. | Trouble diagnosis name        | DTC detecting condition                                     | Possible cause                                                                                                                                                                                             |
|---------|-------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1152   | CURTAIN MODULE LH [GND-SHORT] | LH side curtain air bag module circuit is shorted to ground | <ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Malfunction in LH side curtain air bag module</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

Ⓐ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

Ⓑ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-114, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814076

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1152 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module. Refer to [SR-14, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-114, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-114, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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## B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

### B1153 CURTAIN MODULE LH

#### Description

INFOID:000000003814077

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003814078

| DTC No. | Trouble diagnosis name    | DTC detecting condition                                          | Possible cause                                                                                                                                                                                             |
|---------|---------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1153   | CURTAIN MODULE LH [SHORT] | LH side curtain air bag module circuit are shorted to each other | <ul style="list-style-type: none"><li>• Disconnection of wiring harness and short</li><li>• Malfunction in LH side curtain air bag module</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

Ⓟ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

ⓧ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-116, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003814079

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

## B1153 CURTAIN MODULE LH

### < COMPONENT DIAGNOSIS >

NO >> Replace wiring harness.

#### 3.REPLACE SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module. Refer to [SR-14, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-116, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-116, "DTC Logic"](#).

##### Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1154, B1157, B1170, B1171, B1172, B1173, B1174, B1175 CONTROL UNIT

## < COMPONENT DIAGNOSIS >

## B1154, B1157, B1170, B1171, B1172, B1173, B1174, B1175 CONTROL UNIT

### Description

INFOID:000000003958600

Check the whole SRS 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 CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003941395

| DTC No.                                                              | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1154<br>B1157<br>B1170<br>B1171<br>B1172<br>B1173<br>B1174<br>B1175 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

④ With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-100. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003941396

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

## B1154, B1157, B1170, B1171, B1172, B1173, B1174, B1175 CONTROL UNIT

### < COMPONENT DIAGNOSIS >

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

### 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).

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

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

## < COMPONENT DIAGNOSIS >

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

### Description

INFOID:000000003814095

Check the whole SRS 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 CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003814096

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                   |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1202<br>B1203<br>B1204<br>B1205<br>B1206<br>B1207 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit dose not match to the vehicles specification</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-120, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814097

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

**< COMPONENT DIAGNOSIS >**

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

**3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).  
2. Perform DTC confirmation procedure. Refer to [SRC-120. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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# B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1209 FRONTAL COLLISION DETECTION

### Description

INFOID:000000003814098

#### DTC B1209 FRONTAL COLLISION DETECTION

When crash zone sensor detects a component damage resulting from a front collision, the system blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are activated by the air bag diagnosis sensor unit signal transmitted at the time of the frontal collision.

#### STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

#### INSTALLATION

Refer to [SR-6. "Exploded View"](#) (Driver air bag module), [SR-12. "Exploded View"](#) (Front passenger air bag module), [SR-18. "Exploded View"](#) (Crash zone sensor), [SR-22. "Exploded View"](#) (air bag diagnosis sensor unit), [SB-5. "SEAT BELT RETRACTOR : Exploded View"](#) (Front LH/RH seat belt pre-tensioner).

### DTC Logic

INFOID:000000003814099

| DTC No. | Trouble diagnosis name      | DTC detecting condition                                  | Possible cause |
|---------|-----------------------------|----------------------------------------------------------|----------------|
| B1209   | FRONTAL COLLISION DETECTION | Front seat belt pre-tensioner, front air bag is deployed | —              |

#### DTC CONFIRMATION PROCEDURE

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

 With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

 Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-122. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814100

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK FRONT AIR BAG MODULE

Check front air bag modules. (driver air bag module and/or front passenger air bag module.)

Is the front air bag module deployed?

- YES >> Replace front air bag modules. Refer to [SR-6. "Exploded View"](#) or [SR-12. "Exploded View"](#).  
NO >> GO TO 2.

##### 2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

## B1209 FRONTAL COLLISION DETECTION

### < COMPONENT DIAGNOSIS >

- YES >> Replace front seat belt pre-tensioner. Refer to [SB-5, "SEAT BELT RETRACTOR : Exploded View"](#).  
NO >> GO TO 3.

### 3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check air bag diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

- YES >> Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).  
NO >> GO TO 4.

### 4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

- YES >> GO TO 5.  
NO >> Replace steering wheel. Refer to [ST-12, "Exploded View"](#).

### 5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-32, "Diagnosis Procedure"](#).
2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Replace spiral cable. Refer to [SR-9, "Exploded View"](#).

### 6.CHECK WIRING HARNESS/HARNESS CONNECTOR

Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

- YES >> GO TO 7.  
NO >> Replace wiring harness/harness connector.

### 7.FINAL CHECK

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

Is the inspection result normal?

- YES >> INSPECTION END  
NO >> Check the intermittent incident. Refer to [GI-35, "Intermittent Incident"](#).

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# B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

## B1210 SIDE COLLISION DETECTION

### Description

INFOID:000000003814101

#### DTC B1210 SIDE COLLISION DETECTION

When satellite sensor detects a component damage resulting from a side collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

#### OPERATION

The front side air bag and side curtain air bag are activated by the air bag diagnosis sensor unit signal transmitted at the time of the side collision.

#### STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

#### INSTALLATION

Refer to [SR-16, "Exploded View"](#) (Front LH/RH side air bag module), [SR-14, "Exploded View"](#) [SR-20, "Exploded View"](#) (LH/RH satellite sensor).

### DTC Logic

INFOID:000000003814102

| DTC No. | Trouble diagnosis name   | DTC detecting condition                              | Possible cause |
|---------|--------------------------|------------------------------------------------------|----------------|
| B1210   | SIDE COLLISION DETECTION | Front side air bag, side curtain air bag is deployed | —              |

#### DTC CONFIRMATION PROCEDURE

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

 With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

 Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-124, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003814103

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor)
- Never use unspecified tester or other measuring device.

##### 1.CHECK FRONT SIDE AIR BAG MODULE

Check front side air bag module.

Is the front side air bag module deployed?

- YES >> Replace front side air bag module. Refer to [SR-16, "Exploded View"](#).  
NO >> GO TO 2.

##### 2.CHECK SIDE CURTAIN AIR BAG MODULE

Check side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module. Refer to [SR-14, "Exploded View"](#).  
NO >> GO TO 3.

## B1210 SIDE COLLISION DETECTION

### < COMPONENT DIAGNOSIS >

#### 3.CHECK SATELLITE SENSOR

Check satellite sensor.

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

YES >> Replace satellite sensor. Refer to [SR-20. "Exploded View"](#).

NO >> GO TO 4.

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

Check air bag diagnosis sensor unit.

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

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).

NO >> GO TO 5.

#### 5.CHECK WIRING HARNESS/HARNESS CONNECTOR

Check wiring harness/harness connector.

Is the wiring harness/harness connector normal?

YES >> GO TO 6.

NO >> Replace wiring harness/harness connector.

#### 6.FINAL CHECK

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

Is the inspection result normal?

YES >> INSPECTION END

NO >> Check the intermittent incident. Refer to [GI-35. "Intermittent Incident"](#).

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## B1212, B1213, B1214 RH1 SAT-SENS

### < COMPONENT DIAGNOSIS >

## B1212, B1213, B1214 RH1 SAT-SENS

### Description

INFOID:000000003941406

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

### OPERATION

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

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003941407

| DTC No.                 | Trouble diagnosis name | DTC detecting condition             | Possible cause                                                                                                                                                                        |
|-------------------------|------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1212<br>B1213<br>B1214 | RH1 SAT-SENS           | RH satellite sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in RH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

##### With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

##### Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

#### Is malfunctioning part detected?

- YES >> Refer to [SRC-126. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003941408

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

#### Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

#### Is the inspection result normal?

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

## B1212, B1213, B1214 RH1 SAT-SENS

< COMPONENT DIAGNOSIS >

### 3. REPLACE SATELLITE SENSOR

1. Replace RH satellite sensor. Refer to [SR-20, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.  
NO >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.  
NO >> INSPECTION END

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# B1215, B1216, B1217 LH1 SAT-SENS

## < COMPONENT DIAGNOSIS >

### B1215, B1216, B1217 LH1 SAT-SENS

#### Description

INFOID:000000003941409

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

#### OPERATION

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

#### STRUCTURE

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

#### INSTALLATION

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

#### DTC Logic

INFOID:000000003941410

| DTC No.                 | Trouble diagnosis name | DTC detecting condition             | Possible cause                                                                                                                                                                        |
|-------------------------|------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1215<br>B1216<br>B1217 | LH1 SAT-SENS           | LH satellite sensor is out of order | <ul style="list-style-type: none"><li>• Disconnection of wiring harness</li><li>• Malfunction in LH satellite sensor</li><li>• Malfunction in air bag diagnosis sensor unit</li></ul> |

#### DTC CONFIRMATION PROCEDURE

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

④ With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result.

⊗ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-10. "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-128. "Diagnosis Procedure"](#).  
NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:000000003941411

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

##### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connector.

##### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

## B1215, B1216, B1217 LH1 SAT-SENS

< COMPONENT DIAGNOSIS >

### 3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-20, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-128, "DTC Logic"](#)

Is DTC detected?

- YES >> GO TO 4.  
NO >> INSPECTION END

### 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-128, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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## B1218, B1219, B1220, B1221, B1222, B1223 CONTROL UNIT

### < COMPONENT DIAGNOSIS >

## B1218, B1219, B1220, B1221, B1222, B1223 CONTROL UNIT

### Description

INFOID:000000003958603

Check the whole SRS 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 CONSULT-III.

### OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

### STRUCTURE

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

### INSTALLATION

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

### DTC Logic

INFOID:000000003941398

| DTC No.                                            | Trouble diagnosis name | DTC detecting condition                                                     | Possible cause                                                                                                                                                                                    |
|----------------------------------------------------|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B1218<br>B1219<br>B1220<br>B1221<br>B1222<br>B1223 | CONTROL UNIT           | Air bag diagnosis sensor unit is malfunctioning or out of the specification | <ul style="list-style-type: none"><li>Malfunction in air bag diagnosis sensor unit</li><li>Configuration in air bag diagnosis sensor unit does not match to the vehicle's specification</li></ul> |

### DTC CONFIRMATION PROCEDURE

#### 1.CHECK SELF-DIAG RESULT

① With CONSULT-III

- Turn ignition switch ON.
- Perform "AIR BAG" Self Diagnostic Result.

② Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-10, "Air Bag Warning Lamp Diagnosis"](#).

#### NOTE:

SRS does not enter Diagnosis mode if no malfunction is detected in User mode.

Is malfunctioning part detected?

- YES >> Refer to [SRC-100, "Diagnosis Procedure"](#).  
NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000003941399

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Never use unspecified tester or other measuring device.

#### 1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace harness connectors.

#### 2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

**B1218, B1219, B1220, B1221, B1222, B1223 CONTROL UNIT**

**< COMPONENT DIAGNOSIS >**

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

**3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace air bag diagnosis sensor unit. Refer to [SR-22. "Exploded View"](#).  
2. Perform DTC confirmation procedure. Refer to [SRC-100. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.  
NO >> INSPECTION END

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## ECU DIAGNOSIS

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000003814104

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<br>“Recheck SRS at each replacement”                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO DTC IS DETECT-<br>ED.                                                                                                                                                    | When malfunction is in-<br>dicated by the “AIR<br>BAG” warning lamp in<br>User mode                     | Low battery voltage (Less than 9 V)                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                             |                                                                                                         | <ul style="list-style-type: none"><li>Self-diagnosis result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after re-<br/>pair</li><li>Intermittent malfunction has been de-<br/>tected in the past</li></ul> | Go to <a href="#">SRC-10, "Air Bag Warning Lamp Diagnosis"</a> or <a href="#">SRC-15, "CONSULT-III Function"</a>                                                                                                                                                               |
|                                                                                                                                                                             | No malfunction is detected                                                                              |                                                                                                                                                                                                                                        | —                                                                                                                                                                                                                                                                              |
| CONTROL UNIT<br>[B1001-B1015]                                                                                                                                               | Air bag diagnosis sensor unit is out of order or mis-matched                                            |                                                                                                                                                                                                                                        | Replace air bag diagnosis sensor unit                                                                                                                                                                                                                                          |
| CONTROL UNIT<br>[B1026-B1031]                                                                                                                                               | Air bag diagnosis sensor unit is out of order or mis-matched                                            |                                                                                                                                                                                                                                        | Replace air bag diagnosis sensor unit                                                                                                                                                                                                                                          |
| CRASH ZONE SEN<br>[UNIT FAIL]<br>[B1033]<br>[B1034]<br>CRASH ZONE SEN<br>[COMM FAIL]<br>[B1035]<br>[UNMATCH]<br>[B1036]<br>CRASH ZONE SEN1<br>[B1037]<br>[B1039]<br>[B1041] | Crash zone sensor is out of order                                                                       |                                                                                                                                                                                                                                        | <div><div>1.</div><div>Replace wiring harness/harness connector</div></div> <div><div>2.</div><div>Replace crash zone sensor</div></div> <div><div>3.</div><div>Replace air bag diagnosis sensor unit</div></div>                                                              |
| CONTROL UNIT<br>[B1042-B1047]                                                                                                                                               | Air bag diagnosis sensor unit is out of order or mis-matched                                            |                                                                                                                                                                                                                                        | Replace air bag diagnosis sensor unit                                                                                                                                                                                                                                          |
| DRIVER AIRBAG MOD-<br>ULE<br>[OPEN]<br>[B1049]                                                                                                                              | Driver air bag module circuit is open (including the spiral cable)                                      |                                                                                                                                                                                                                                        | <div><div>1.</div><div>Replace wiring harness/harness connector</div></div> <div><div>2.</div><div>Replace driver air bag module</div></div> <div><div>3.</div><div>Replace spiral cable.</div></div> <div><div>4.</div><div>Replace air bag diagnosis sensor unit</div></div> |
| DRIVER AIRBAG MOD-<br>ULE<br>[VB-SHORT]<br>[B1050]                                                                                                                          | Driver air bag module circuit is shorted to some power supply cir-<br>cuit (including the spiral cable) |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                |
| DRIVER AIRBAG MOD-<br>ULE<br>[GND-SHORT]<br>[B1051]                                                                                                                         | Driver air bag module circuit is shorted to ground (including the spi-<br>ral cable)                    |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                |
| DRIVER AIRBAG MOD-<br>ULE<br>[SHORT]<br>[B1052]                                                                                                                             | Driver air bag module circuits are shorted to each other (including<br>spiral cable)                    |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                                                                                               | Explanation                                                                      | Repair order<br>"Recheck SRS at each replacement"                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| CONTROL UNIT<br>[B1058-B1063]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                     | Replace air bag diagnosis sensor unit                                                                                                  |
| ASSIST A/B MODULE<br>[OPEN]<br>[B1065]                                                                                        | Front passenger air bag module circuit is open                                   | 1. Replace wiring harness/harness connector<br>2. Replace front passenger air bag module<br>3. Replace air bag diagnosis sensor unit   |
| ASSIST A/B MODULE<br>[VB-SHORT]<br>[B1066]                                                                                    | Front passenger air bag module circuit is shorted to some power supply circuit   |                                                                                                                                        |
| ASSIST A/B MODULE<br>[GND-SHORT]<br>[B1067]                                                                                   | Front passenger air bag module circuit is shorted to ground                      |                                                                                                                                        |
| ASSIST A/B MODULE<br>[SHORT]<br>[B1068]                                                                                       | Front passenger air bag module circuits are shorted to each other                |                                                                                                                                        |
| CONTROL UNIT<br>[B1074-B1079]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                     | Replace air bag diagnosis sensor unit                                                                                                  |
| PRE-TEN FRONT RH<br>[OPEN]<br>[B1081]                                                                                         | Front RH seat belt pre-tensioner circuit is open                                 | 1. Replace wiring harness/harness connector<br>2. Replace front RH seat belt pre-tensioner<br>3. Replace air bag diagnosis sensor unit |
| PRE-TEN FRONT RH<br>[VB-SHORT]<br>[B1082]                                                                                     | Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit |                                                                                                                                        |
| PRE-TEN FRONT RH<br>[GND-SHORT]<br>[B1083]                                                                                    | Front RH seat belt pre-tensioner circuit is shorted to ground                    |                                                                                                                                        |
| PRE-TEN FRONT RH<br>[SHORT]<br>[B1084]                                                                                        | Front RH seat belt pre-tensioner circuits are shorted to each other              |                                                                                                                                        |
| PRE-TEN FRONT LH<br>[OPEN]<br>[B1086]                                                                                         | Front LH seat belt pre-tensioner circuit is open                                 | 1. Replace wiring harness/harness connector<br>2. Replace front LH seat belt pre-tensioner<br>3. Replace air bag diagnosis sensor unit |
| PRE-TEN FRONT LH<br>[VB-SHORT]<br>[B1087]                                                                                     | Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit |                                                                                                                                        |
| PRE-TEN FRONT LH<br>[GND-SHORT]<br>[B1088]                                                                                    | Front LH seat belt pre-tensioner circuit is shorted to ground                    |                                                                                                                                        |
| PRE-TEN FRONT LH<br>[SHORT]<br>[B1089]                                                                                        | Front LH seat belt pre-tensioner circuits are shorted to each other              |                                                                                                                                        |
| CONTROL UNIT<br>[B1090-B1095]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                     | Replace air bag diagnosis sensor unit                                                                                                  |
| CONTROL UNIT<br>[B1106-B1111]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                     | Replace air bag diagnosis sensor unit                                                                                                  |
| SATELLITE SENS RH<br>[UNIT FAIL]<br>[B1113]<br>[B1114]<br>SATELLITE SENS RH<br>[COMM FAIL]<br>[B1115]<br>[UNMATCH]<br>[B1116] | RH satellite sensor is out of order                                              | 1. Replace wiring harness/harness connector<br>2. Replace RH satellite sensor<br>3. Replace air bag diagnosis sensor unit              |

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# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                                                                                               | Explanation                                                                    | Repair order<br>"Recheck SRS at each replacement"                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| SATELLITE SENS LH<br>[UNIT FAIL]<br>[B1118]<br>[B1119]<br>SATELLITE SENS LH<br>[COMM FAIL]<br>[B1120]<br>[UNMATCH]<br>[B1121] | LH satellite sensor is out of order                                            | 1. Replace wiring harness/harness connector<br>2. Replace LH satellite sensor<br>3. Replace air bag diagnosis sensor unit            |
| CONTROL UNIT<br>[B1122-B1127]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                   | Replace air bag diagnosis sensor unit                                                                                                |
| SIDE MODULE RH<br>[OPEN]<br>[B1129]                                                                                           | Front RH side air bag module circuit is open                                   | 1. Replace wiring harness/harness connector<br>2. Replace front RH side air bag module<br>3. Replace air bag diagnosis sensor unit   |
| SIDE MODULE RH<br>[VB-SHORT]<br>[B1130]                                                                                       | Front RH side air bag module circuit is shorted to some power supply circuit   |                                                                                                                                      |
| SIDE MODULE RH<br>[GND-SHORT]<br>[B1131]                                                                                      | Front RH side air bag module circuit is shorted to ground                      |                                                                                                                                      |
| SIDE MODULE RH<br>[SHORT]<br>[B1132]                                                                                          | Front LH seat belt pre-tensioner circuits are shorted to each other            |                                                                                                                                      |
| SIDE MODULE LH<br>[OPEN]<br>[B1134]                                                                                           | Front LH side air bag module circuit is open                                   |                                                                                                                                      |
| SIDE MODULE LH<br>[VB-SHORT]<br>[B1135]                                                                                       | Front LH side air bag module circuit is shorted to some power supply circuit   | 1. Replace wiring harness/harness connector<br>2. Replace front LH side air bag module<br>3. Replace air bag diagnosis sensor unit   |
| SIDE MODULE LH<br>[GND-SHORT]<br>[B1136]                                                                                      | Front LH side air bag module circuit is shorted to ground                      |                                                                                                                                      |
| SIDE MODULE LH<br>[SHORT]<br>[B1137]                                                                                          | Front LH side air bag module circuits are shorted to each other                |                                                                                                                                      |
| CONTROL UNIT<br>[B1138-B1143]                                                                                                 | Air bag diagnosis sensor unit is out of order or mis-matched                   |                                                                                                                                      |
| ACU<br>[B1144]                                                                                                                | Air bag diagnosis sensor unit is out of order or mis-matched                   | Replace air bag diagnosis sensor unit                                                                                                |
| CURTAIN MODULE RH<br>[OPEN]<br>[B1145]                                                                                        | RH side curtain air bag module circuit is open                                 | 1. Replace wiring harness/harness connector<br>2. Replace RH side curtain air bag module<br>3. Replace air bag diagnosis sensor unit |
| CURTAIN MODULE RH<br>[VB-SHORT]<br>[B1146]                                                                                    | RH side curtain air bag module circuit is shorted to some power supply circuit |                                                                                                                                      |
| CURTAIN MODULE RH<br>[GND-SHORT]<br>[B1147]                                                                                   | RH side curtain air bag module circuit is shorted to ground                    |                                                                                                                                      |
| CURTAIN MODULE RH<br>[SHORT]<br>[B1148]                                                                                       | RH side curtain air bag module circuits are shorted to each other              |                                                                                                                                      |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| Diagnostic item                                     | Explanation                                                                     | Repair order<br>"Recheck SRS at each replacement"                                                                                                                                                  |
|-----------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CURTAIN MODULE LH<br>[OPEN]<br>[B1150]              | LH side curtain air bag module circuit is open                                  | <ol style="list-style-type: none"> <li>1. Replace wiring harness/harness connector</li> <li>2. Replace LH side curtain air bag module</li> <li>3. Replace air bag diagnosis sensor unit</li> </ol> |
| CURTAIN MODULE LH<br>[VB-SHORT]<br>[B1151]          | LH side curtain air bag module circuit is shorted to some power supply circuits |                                                                                                                                                                                                    |
| CURTAIN MODULE LH<br>[GND-SHORT]<br>[B1152]         | LH side curtain air bag module circuit is shorted to ground                     |                                                                                                                                                                                                    |
| CURTAIN MODULE LH<br>[SHORT]<br>[B1153]             | LH side curtain air bag module circuits are shorted to each other               |                                                                                                                                                                                                    |
| CONTROL UNIT<br>[B1154]<br>[B1157]<br>[B1170-B1175] | Air bag diagnosis sensor unit is out of order or mis-matched                    | Replace air bag diagnosis sensor unit                                                                                                                                                              |
| CONTROL UNIT<br>[B1202-B1207]                       | Air bag diagnosis sensor unit is out of order or mis-matched                    | Replace air bag diagnosis sensor unit                                                                                                                                                              |
| FRONTAL COLLISION<br>DETECTION<br>[B1209]           | Front seat belt pre-tensioner and front air bag is deployed                     | Go to <a href="#">SRC-122, "Diagnosis Procedure"</a>                                                                                                                                               |
| SIDE COLLISION DE-<br>TECTION<br>[B1210]            | Front side air bag and side curtain air bag are deployed                        | Go to <a href="#">SRC-124, "Diagnosis Procedure"</a>                                                                                                                                               |
| RH1 SAT-SENS<br>[B1212]<br>[B1213]<br>[B1214]       | RH satellite sensor is out of order                                             | <ol style="list-style-type: none"> <li>1. Replace wiring harness/harness connector</li> <li>2. Replace RH satellite sensor</li> <li>3. Replace air bag diagnosis sensor unit</li> </ol>            |
| LH1 SAT-SENS<br>[B1215]<br>[B1216]<br>[B1217]       | LH satellite sensor is out of order                                             | <ol style="list-style-type: none"> <li>1. Replace wiring harness/harness connector</li> <li>2. Replace LH satellite sensor</li> <li>3. Replace air bag diagnosis sensor unit</li> </ol>            |
| CONTROL UNIT<br>[B1218-B1223]                       | Air bag diagnosis sensor unit is out of order or mis-matched                    | Replace air bag diagnosis sensor unit                                                                                                                                                              |

## WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

### NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

| <Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.> |                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash pattern                                                                                                                                       | Repair order                                                                                                                                       |
| <p>a through b are repeated.</p> <p>IGN ON</p>                                                                                                      | <ol style="list-style-type: none"> <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 >

|                                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |
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| <Air bag diagnosis sensor unit>                                                                                                           |                                                                                                                                                                                                                                                                                                                              |
| <p>Blink pattern</p> <p>a through d are repeated.<br/>d: Seven blinks indicate malfunctioning air bag diagnosis sensor unit circuit.</p>  | <p>Repair order</p> <ol style="list-style-type: none"> <li>1. Replace the air bag diagnosis sensor unit.</li> </ol>                                                                                                                                                                                                          |
| <Crash zone sensor>                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |
| <p>Blink pattern</p> <p>a through d are repeated.<br/>d: Six blinks indicate malfunctioning crash zone 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 crash zone sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>                                           |
| <Driver air bag module>                                                                                                                   |                                                                                                                                                                                                                                                                                                                              |
| <p>Blink pattern</p> <p>a through d are repeated.<br/>d: Two blinks indicate malfunctioning driver 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 driver air bag module.</li> <li>4. Replace the spiral cable.</li> <li>5. Replace the air bag diagnosis sensor unit.</li> </ol> |
| <Front passenger air bag module>                                                                                                          |                                                                                                                                                                                                                                                                                                                              |
| <p>Blink pattern</p> <p>a through d are repeated.<br/>d: Eight blinks indicate malfunctioning front passenger 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 passenger air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>                              |
| <Front RH seat belt pre-tensioner>                                                                                                        |                                                                                                                                                                                                                                                                                                                              |
| <p>Blink pattern</p> <p>a through d are repeated.<br/>d: One blink indicates malfunctioning front RH 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 RH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>                                |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                      |
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| <Front LH seat belt pre-tensioner>                                                                                                                 |                                                                                                                                                                                                                                                                                                      |
| <p><b>Blink pattern</b></p> <p>a through d are repeated.<br/>d: Three blinks indicate malfunctioning front LH seat belt pre-tensioner circuit.</p> | <p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connections.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH seat belt assembly.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol> |
| JMHIA0696GB                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |
| <RH satellite sensor>                                                                                                                              |                                                                                                                                                                                                                                                                                                      |
| <p><b>Blink pattern</b></p> <p>a through f are repeated.<br/>f: Three blinks indicate malfunctioning RH satellite sensor circuit.</p>              | <p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the RH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>          |
| JMHIA0697GB                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |
| <LH satellite sensor>                                                                                                                              |                                                                                                                                                                                                                                                                                                      |
| <p><b>Blink pattern</b></p> <p>a through f are repeated.<br/>f: Four blinks indicate malfunctioning LH satellite sensor.</p>                       | <p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the LH satellite sensor.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol>          |
| JMHIA0698GB                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |
| <Front RH side air bag module>                                                                                                                     |                                                                                                                                                                                                                                                                                                      |
| <p><b>Blink pattern</b></p> <p>a through f are repeated.<br/>f: One blink indicates malfunctioning front RH side air bag module circuit.</p>       | <p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front RH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol> |
| JMHIA0699GB                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |
| <Front LH side air bag module>                                                                                                                     |                                                                                                                                                                                                                                                                                                      |
| <p><b>Blink pattern</b></p> <p>a through f are repeated.<br/>f: Two blinks indicate malfunctioning front LH side air bag module circuit.</p>       | <p><b>Repair order</b></p> <ol style="list-style-type: none"> <li>1. Visually check the wiring harness connection.</li> <li>2. Replace the harness if it has visible damage.</li> <li>3. Replace the front LH side air bag module.</li> <li>4. Replace the air bag diagnosis sensor unit.</li> </ol> |
| JMHIA0700GB                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS >

| <RH side curtain air bag module>                                                                                     |                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blink pattern                                                                                                        | Repair order                                                                                                                                                                                                                                                                |
| <p>a through f are repeated.<br/>f: Five blinks 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 air bag diagnosis sensor unit.</li> </ol> |
| JMHIA0701GB                                                                                                          |                                                                                                                                                                                                                                                                             |
| <LH side curtain air bag module>                                                                                     |                                                                                                                                                                                                                                                                             |
| Blink pattern                                                                                                        | Repair order                                                                                                                                                                                                                                                                |
| <p>a through f are repeated.<br/>f: Six blinks 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 air bag diagnosis sensor unit.</li> </ol> |
| JMHIA0702GB                                                                                                          |                                                                                                                                                                                                                                                                             |
| <Air bag diagnosis sensor unit>                                                                                      |                                                                                                                                                                                                                                                                             |
| Blink pattern                                                                                                        | Repair order                                                                                                                                                                                                                                                                |
| <p>a through d are repeated.<br/>d: Seventeen blinks indicate mis-installation of air bag diagnosis sensor unit.</p> | <ol style="list-style-type: none"> <li>1. Replace the air bag diagnosis sensor unit.</li> </ol>                                                                                                                                                                             |
| JMHIA0703GB                                                                                                          |                                                                                                                                                                                                                                                                             |

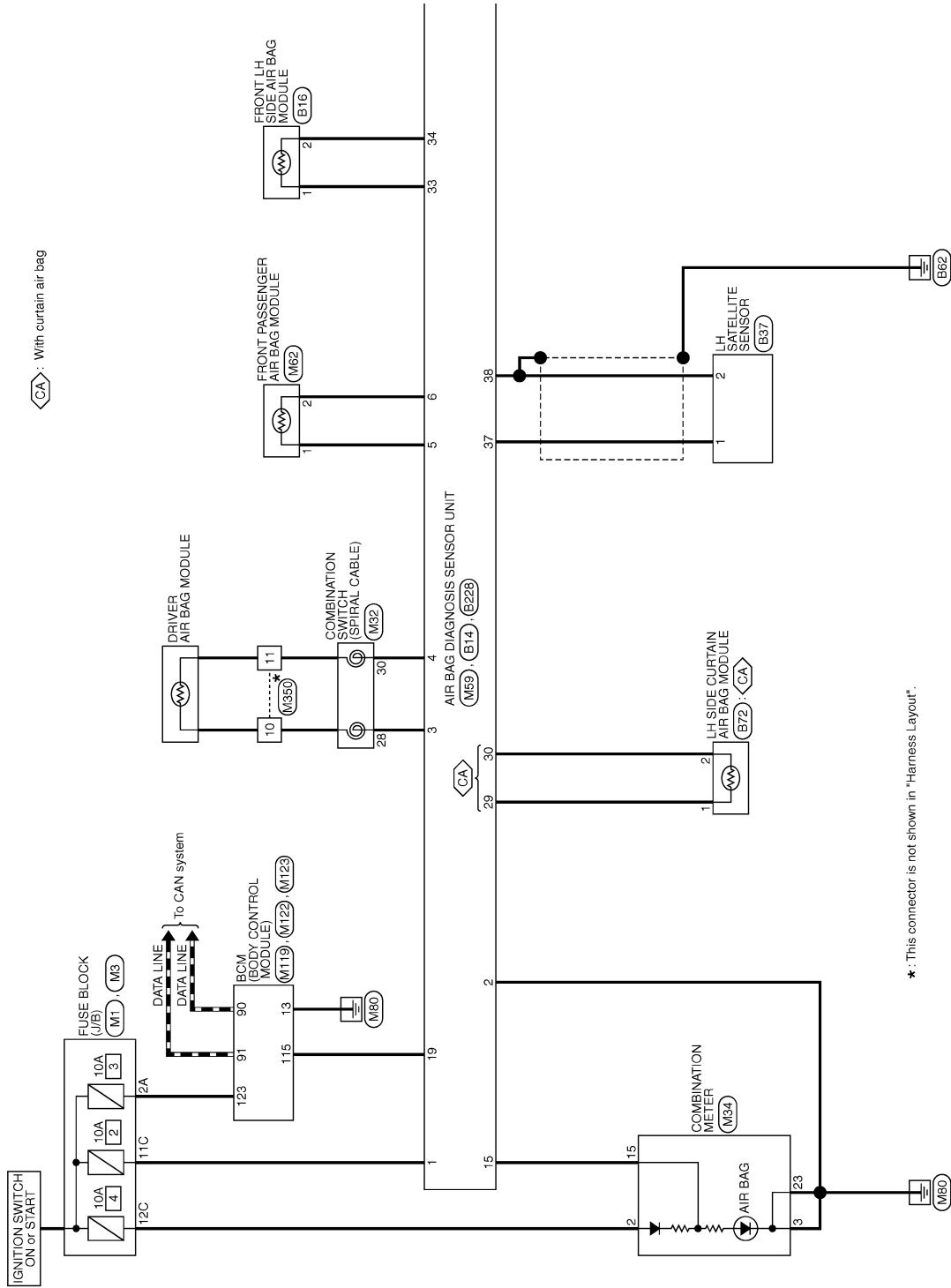
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

INFOID:000000003814105

### SRS AIR BAG CONTROL SYSTEM



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

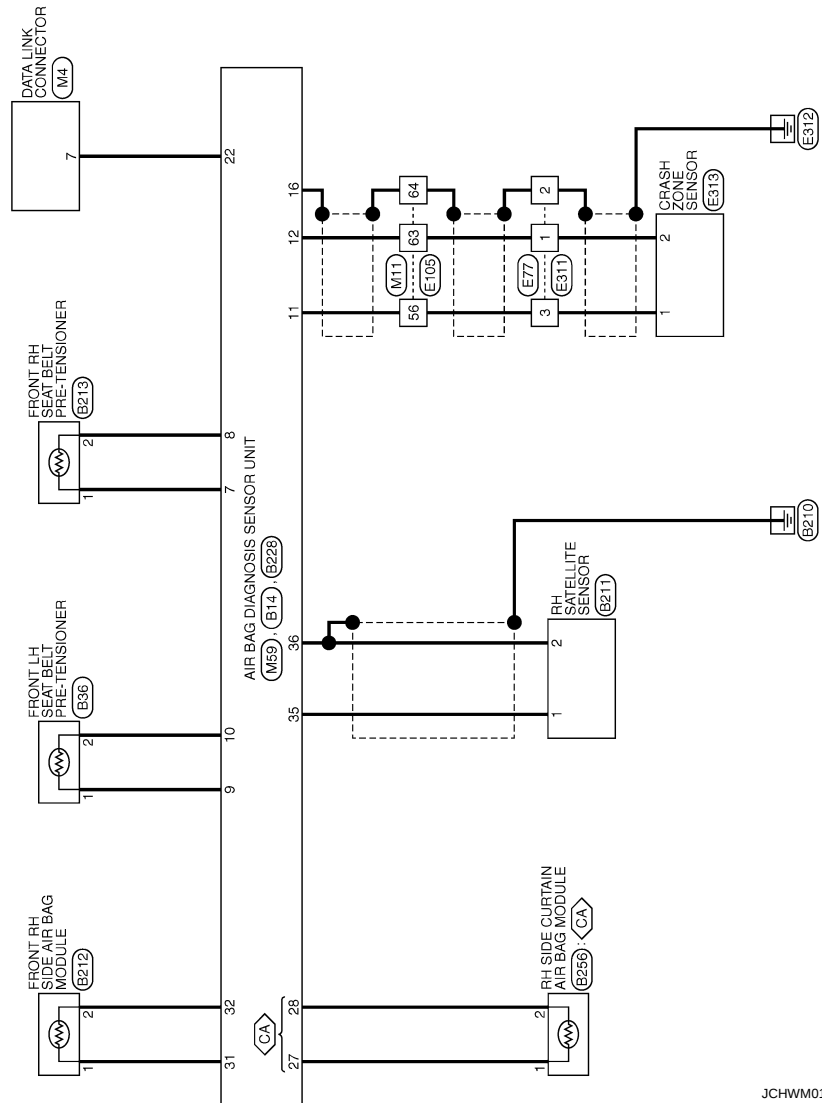
2008/01/23

JCHWM0188GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

CA : With curtain air bag



JCHWM0189GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

## SRS AIR BAG CONTROL SYSTEM

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B14                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK02FY-2V-EX                  |



|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 33 | 41 | 29 | 42 | 30 | 34 |
| 44 | 37 | 38 | 9  | 43 | 10 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | P             | ELR LH+                     |
| 10           | LG            | ELR LH-                     |
| 29           | Y             | INF CURTAIN LH+             |
| 30           | BR            | INF CURTAIN LH-             |
| 33           | V             | SIDE INF LH+                |
| 34           | SB            | SIDE INF LH-                |
| 37           | W/L           | SIDE SENS LH+               |
| 38           | L/O           | SIDE SENS LH-               |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | B72                            |
| Connector Name | LH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | ACA02FY-2V                     |



|    |   |
|----|---|
| 12 | 1 |
|----|---|

|                |                              |
|----------------|------------------------------|
| Connector No.  | B16                          |
| Connector Name | FRONT LH SIDE AIR BAG MODULE |
| Connector Type | TK02FY-1V-BD                 |



|    |
|----|
| 12 |
|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | SB            | -                           |

|                |                     |
|----------------|---------------------|
| Connector No.  | B211                |
| Connector Name | RH SATELLITE SENSOR |
| Connector Type | HK02FY-1V-EX        |



|    |
|----|
| 12 |
|----|

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B38                              |
| Connector Name | FRONT LH SEAT BELT PRE-TENSIONER |
| Connector Type | ACA02FY-2V                       |



|    |   |
|----|---|
| 12 | 1 |
|----|---|

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

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



|    |
|----|
| 12 |
|----|

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

|                |                     |
|----------------|---------------------|
| Connector No.  | B37                 |
| Connector Name | LH SATELLITE SENSOR |
| Connector Type | HK02FY-1V-EX        |



|    |
|----|
| 12 |
|----|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W/L           | -                           |
| 2            | L/O           | -                           |

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B213                             |
| Connector Name | FRONT RH SEAT BELT PRE-TENSIONER |
| Connector Type | ACA02FY-2V                       |



|    |   |
|----|---|
| 12 | 1 |
|----|---|

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

JCHWM0190GI

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

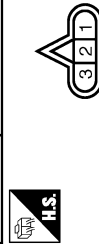
## SRS AIR BAG CONTROL SYSTEM

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B228                          |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK2FY-1V-EX                   |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | Y             | ELR RH+                     |
| 8            | SB            | ELR RH-                     |
| 27           | Y             | INF CURTAIN RH+             |
| 28           | B             | INF CURTAIN RH-             |
| 31           | L             | SIDE INF RH+                |
| 32           | P             | SIDE INF RH-                |
| 35           | R             | SIDE SENS RH+               |
| 36           | G             | SIDE SENS RH-               |

|                |              |
|----------------|--------------|
| Connector No.  | E311         |
| Connector Name | WIRE TO WIRE |
| Connector Type | RK03FB-BD    |



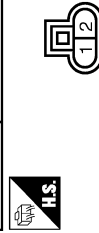
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L/O           | -                           |
| 2            | SHIELD        | -                           |
| 3            | W/L           | -                           |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | B256                           |
| Connector Name | RH SIDE CURTAIN AIR BAG MODULE |
| Connector Type | ACA02FY-2V                     |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E313              |
| Connector Name | CRASH ZONE SENSOR |
| Connector Type | HK02FY-1V-EX      |



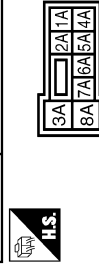
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W/L           | -                           |
| 2            | L/O           | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | E77          |
| Connector Name | WIRE TO WIRE |
| Connector Type | RK03MB       |



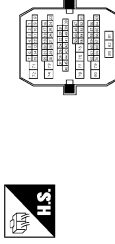
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L/O           | -                           |
| 2            | SHIELD        | -                           |
| 3            | W/L           | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M1               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS06FW-M2        |



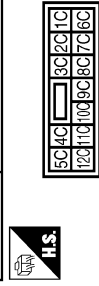
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2A           | G/O           | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | E105           |
| Connector Name | WIRE TO WIRE   |
| Connector Type | TF70MM-CS10-M3 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 56           | W/L           | -                           |
| 63           | L/O           | -                           |
| 64           | SHIELD        | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M3               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS        |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 11C          | R/L           | -                           |
| 12C          | O             | -                           |

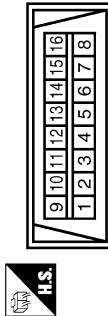
JCHWM01916I

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

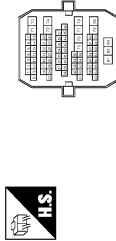
## SRS AIR BAG CONTROL SYSTEM

|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW              |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | O             | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | M11            |
| Connector Name | WIRE TO WIRE   |
| Connector Type | TH7DFW-CS10-M3 |



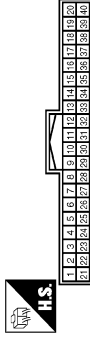
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 56           | W/L           | -                           |
| 63           | L/O           | -                           |
| 64           | SHIELD        | -                           |

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M32                               |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FY-EX-1V                      |



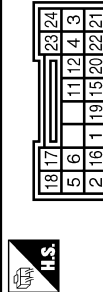
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 28           | Y/R           | -                           |
| 30           | Y             | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | M34               |
| Connector Name | COMBINATION METER |
| Connector Type | TH40FW-NH         |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | O             | IGN                         |
| 3            | B             | GROUND                      |
| 15           | BR/W          | AIR BAG                     |
| 23           | B             | GROUND                      |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M59                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | TK20FY-EX-SC                  |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/L           | IGN                         |
| 2            | B/Y           | GROUND                      |
| 3            | Y/R           | INFLATOR DR+                |
| 4            | Y             | INFLATOR DR-                |
| 5            | Y             | INFLATOR AS+                |
| 6            | Y             | INFLATOR AS-                |
| 11           | W/L           | ECZS+                       |
| 12           | L/O           | ECZS-                       |
| 15           | BR/W          | W/L                         |
| 16           | SHIELD        | GROUND                      |
| 18           | L             | SHOCK DETECT SENSOR OUTPUT  |

|                |                                |
|----------------|--------------------------------|
| Connector No.  | M62                            |
| Connector Name | FRONT PASSENGER AIR BAG MODULE |
| Connector Type | TK02FY-EX-1V                   |



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

|                |                           |
|----------------|---------------------------|
| Connector No.  | M119                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | NS16FW-CS                 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 13           | B             | GROUND                      |

### SRS AIR BAG CONTROL SYSTEM

|                |                           |
|----------------|---------------------------|
| Connector No.  | M122                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FB-NH                 |



|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| 91  | 90  | 89  | 88  | 87  | 86  | 85  | 84  | 83  | 82  | 81  | 80  | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 |
| 111 | 110 | 109 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 94 | 93 | 92 |

# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

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

#### Diagnosis Procedure

INFOID:000000003814106

#### 1.CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SR-6, "Exploded View"](#) or [SR-12, "Exploded View"](#).

NO >> GO TO 2.

#### 2.CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-82, "Fuse"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> Replace the air bag fuse and GO TO 3.

#### 3.CHECK AIR BAG FUSE AGAIN

Turn ignition switch ON.

Check the air bag fuse. Refer to [PG-82, "Fuse"](#).

Did the air bag fuse blow again?

YES >> Repair or replace related harness.

NO >> GO TO 4.

#### 4.CHECK SELF DIAGNOSIS RESULT

Perform "AIR BAG" Self Diagnostic result.

Is DTC detected?

YES >> Repair or replace the malfunctioning parts.

NO >> Check the intermittent incident. Refer to [GI-35, "Intermittent Incident"](#).

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# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

---

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000003814107

#### 1.CHECK METER FUSE

---

Check the meter fuse. Refer to [PG-82, "Fuse"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> Replace the fuse GO TO 2.

#### 2.CHECK METER FUSE AGAIN

---

Turn ignition switch ON.

Check the meter fuse. Refer to [PG-82, "Fuse"](#).

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> INSPECTION END

#### 3.CHECK HARNESS CONNECTION

---

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

2. Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-22, "Exploded View"](#).

NO >> Replace combination meter assembly. Refer to [MWI-127, "Exploded View"](#).

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000003814141

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### Service

INFOID:000000003814109

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes.  
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

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SRC