SECTION SRC
SRS AIRBAG CONTROL SYSTEM

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< BASIC INSPECTION >

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE

<table>
<thead>
<tr>
<th>ACTION ITEM</th>
<th>REFERENCE ITEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check in</td>
<td></td>
</tr>
<tr>
<td>Listen to customer complaints and requests.</td>
<td>Preliminary check *1</td>
</tr>
<tr>
<td>Perform preliminary check.</td>
<td>SRS Operation Check *2</td>
</tr>
<tr>
<td>Check for any service bulletin.</td>
<td></td>
</tr>
<tr>
<td>Perform self-diagnosis using &quot;AIR BAG&quot; warning lamp. – User mode</td>
<td></td>
</tr>
<tr>
<td>Inspect malfunctioning part. – Diagnosis mode</td>
<td></td>
</tr>
<tr>
<td>Perform self-diagnosis using CONSULT. OR</td>
<td></td>
</tr>
<tr>
<td>Perform self-diagnosis &quot;AIR BAG&quot; warning lamp.</td>
<td></td>
</tr>
<tr>
<td>Repair/Replace</td>
<td></td>
</tr>
<tr>
<td>Final check – Diagnosis User mode</td>
<td>SRS Operation Check *2</td>
</tr>
<tr>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Check out</td>
<td></td>
</tr>
</tbody>
</table>

*1 SRC-12, "Trouble Diagnosis Introduction"
*2 SRC-12, "SRS Operation Check"
*3 SRC-5, "Trouble Diagnosis with CONSULT"
*4 SRC-14, "Self-Diagnosis Function (Without CONSULT)"

DETAILED WORK FLOW

1. CUSTOMER INFORMATION
Get detailed information from the customer about the symptom.

>> GO TO 2

2. PRELIMINARY CHECK
Perform preliminary check. Refer to SRC-12, "Trouble Diagnosis Introduction".
< BASIC INSPECTION >

3. TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 4

4. USER MODE

Perform self-diagnosis using the "Air Bag" warning lamp in User mode. Refer to SRC-12, "SRS Operation Check".

>> GO TO 5

5. SELF-DIAGNOSIS

Perform SELF-DIAGNOSIS. Refer to SRC-5, "Trouble Diagnosis with CONSULT" (w/CONSULT) or SRC-14, "Self-Diagnosis Function (Without CONSULT)" (w/o CONSULT).

>> GO TO 6

6. REPLACE PART

Replace the malfunctioning part.

>> GO TO 7

7. FINAL CHECK

Check SRS using Diagnosis mode and User mode.

Does Diagnosis mode and User mode indicate SRS normal?

YES  >> Inspection End.

NO   >> GO TO 5

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INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INTERMITTENT TROUBLE
An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on SELF DIAG [CURRENT], but may be viewed on SELF DIAG [PAST] using CONSULT.

Trouble Diagnosis with CONSULT

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

1. CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

Yes >> Self-diagnostic result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after repair. Proceed to "DIAGNOSTIC PROCEDURE 3". Refer to SRC-14, "Self-Diagnosis Function (Without CONSULT)".

No >> Proceed to "DIAGNOSTIC PROCEDURE 2". Refer to SRC-12, "SRS Operation Check".
The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.
The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioners are activated in a frontal collision but not in a side collision.
SRS configurations for some collision modes are as follows:

<table>
<thead>
<tr>
<th>SRS configuration</th>
<th>Frontal collision</th>
<th>Left side collision</th>
<th>Right side collision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver air bag module</td>
<td>×</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front passenger air bag module</td>
<td>×</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front LH seat belt pre-tensioner</td>
<td>×</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front RH seat belt pre-tensioner</td>
<td>×</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front LH side air bag module</td>
<td>—</td>
<td>×</td>
<td>—</td>
</tr>
<tr>
<td>Front RH side air bag module</td>
<td>—</td>
<td>—</td>
<td>×</td>
</tr>
<tr>
<td>LH side curtain air bag module</td>
<td>—</td>
<td>×</td>
<td>—</td>
</tr>
<tr>
<td>RH side curtain air bag module</td>
<td>—</td>
<td>—</td>
<td>×</td>
</tr>
</tbody>
</table>
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

SRS Component Parts Location

1. Crash zone sensor
2. Spiral cable
3. Front passenger air bag off indicator
4. Front LH seatbelt pre-tensioner
   LH side air bag (satellite) sensor
5. Air bag diagnosis sensor unit
6. Front LH side air bag module
7. Seat belt buckle switch (LH)
   Seat belt buckle switch (RH)
8. Occupant classification system control unit and sensor mat
9. Front RH seatbelt pre-tensioner
   RH side air bag (satellite) sensor
10. Front RH side air bag module
11. RH side curtain air bag module
12. LH side curtain air bag module
13. Front passenger air bag module
14. Driver air bag module

Driver Air Bag Module

The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.
Front Passenger Air Bag Module

The front passenger air bag module is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.

Front Side Air Bag

Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.

Side Curtain Air Bag

Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels as shown.

Front Seat Belt Pre-tensioner

The seat belt pre-tensioner system with load limiter is installed for both the driver's seat and the front passenger's seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level. When the frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the pre-tensioner. Vehicle passengers are securely restrained.

When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining force.
**SRS AIR BAG SYSTEM**

**SRS Component Connectors**

< SYSTEM DESCRIPTION >

**DIRECT CONNECT**
The following SRS components use direct-connect style harness connectors.
- Driver front air bag module
- Passenger front air bag module
- LH side curtain air bag module
- RH side curtain air bag module
- Front LH seat belt pre-tensioner
- Front RH seat belt pre-tensioner

Always pull up to release locking tab prior to removing connector from SRS component. Always push down to lock locking tab after installing connector to SRS component. When locked, the locking tab is level with the connector housing.

**SLIDE DOUBLE LOCKING**
- A new style slide double locking type connector is used on certain systems and components, especially those related to airbag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

**CAUTION:**
- Do not pull the harness or wires when disconnecting the connector.
The occupant classification system (OCS) identifies if a child or child seat is present in the front passenger seat. The OCS receives inputs from the occupant classification sensor mat (1) which is located inside the passenger seat cushion assembly. Depending on classification of the passenger, the OCS control unit (2) sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch RH signal to determine deployment or non-deployment of the front passenger air bag module in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the front passenger air bag module completely.

**NOTE:**
In case of customer concern, CONSULT can be used to confirm the front passenger air bag status (readiness).

### Front Passenger Air Bag Status Conditions

<table>
<thead>
<tr>
<th>Front Passenger Seat (Condition)</th>
<th>PASS AIR BAG OFF Indicator (Status)</th>
<th>Front Passenger Air Bag Status (Readiness)</th>
<th>CONSULT Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seat occupied</td>
<td>OFF</td>
<td>Active (enabled)</td>
<td>ON</td>
</tr>
<tr>
<td>Seat occupied NOTE</td>
<td>ON</td>
<td>Deactivated (disabled)</td>
<td>OFF</td>
</tr>
<tr>
<td>Seat empty</td>
<td>OFF</td>
<td>Deactivated (disabled)</td>
<td>OFF</td>
</tr>
</tbody>
</table>

**NOTE:**
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.
The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to SRC-10, "Occupant Classification System (OCS)".

### Passenger Seat Belt Warning System Operation

<table>
<thead>
<tr>
<th>Driver seat status (Ignition switch ON)</th>
<th>Passenger seat status</th>
<th>Seat belt buckle switch LH status</th>
<th>Seat belt buckle switch RH status</th>
<th>Seat belt warning lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seat occupied</td>
<td>Seat occupied</td>
<td>Buckled</td>
<td>Buckled</td>
<td>Off</td>
</tr>
<tr>
<td>Seat unoccupied</td>
<td></td>
<td></td>
<td>Unbuckled</td>
<td>On</td>
</tr>
<tr>
<td>—</td>
<td>Seat unoccupied</td>
<td></td>
<td>—</td>
<td>Off</td>
</tr>
<tr>
<td>—</td>
<td></td>
<td></td>
<td>—</td>
<td>On</td>
</tr>
</tbody>
</table>

### Component Parts Location

Refer to SRC-7, "SRS Component Parts Location".
ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

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

DIAGNOSIS FUNCTION
The SRS self-diagnosis results can be read by using “AIR BAG” warning lamp and/or CONSULT. 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 are as follows:

<table>
<thead>
<tr>
<th>User mode</th>
<th>Diagnosis mode</th>
<th>Display type</th>
</tr>
</thead>
<tbody>
<tr>
<td>“AIR BAG” warning lamp</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>CONSULT</td>
<td>—</td>
<td>X</td>
</tr>
</tbody>
</table>

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR
A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information From Customer
WHAT - Vehicle model
WHEN - Date, Frequencies
WHERE - Road conditions
HOW - Operating conditions, Symptoms

Preliminary Check
Check that the following parts are in good order.
- Battery
- Fuse
- System component-to-harness connections

SRS Operation Check

DIAGNOSTIC PROCEDURE 1
Checking SRS Operation Using “AIR BAG” Warning Lamp—User Mode
1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.
**ON BOARD DIAGNOSTIC (OBD) SYSTEM**

**< SYSTEM DESCRIPTION >**

<table>
<thead>
<tr>
<th><strong>“AIR BAG” warning lamp (User mode)</strong></th>
<th><strong>SRS condition</strong></th>
<th><strong>Reference item</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="SHIA0011E" alt="Image" /></td>
<td>• No malfunction is detected. • No further action is necessary.</td>
<td>—</td>
</tr>
<tr>
<td><img src="SHIA0012E" alt="Image" /></td>
<td>The system is malfunctioning and needs to be repaired as indicated.</td>
<td>Proceed to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT) or SRC-14, &quot;Trouble Diagnosis without CONSULT&quot; (without CONSULT).</td>
</tr>
<tr>
<td><img src="SHIA0013E" alt="Image" /></td>
<td>• Air bag is deployed. • Seat belt pre-tensioner is deployed.</td>
<td>Proceed to COLLISION DIAGNOSIS SR-26, &quot;For Frontal Collision&quot; or SR-28, &quot;For Side and Rollover Collision&quot;.</td>
</tr>
<tr>
<td><img src="SHIA0014E" alt="Image" /></td>
<td>• Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. • SRS air bag warning lamp circuit is malfunctioning.</td>
<td>Refer to SRC-74, &quot;<strong>AIR BAG</strong> Warning Lamp Does Not Turn Off&quot;.</td>
</tr>
<tr>
<td><img src="SHIA0015E" alt="Image" /></td>
<td>• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.</td>
<td>Refer to SRC-74, &quot;<strong>AIR BAG</strong> Warning Lamp Does Not Turn On&quot;.</td>
</tr>
</tbody>
</table>

**DIAGNOSTIC PROCEDURE 2**

1. Connect CONSULT.
2. Diagnostic code is displayed on "SELF-DIAG [CURRENT]". If no malfunction is detected on "SELF-DIAG [CURRENT]", but malfunction is detected in "SRS Operation Check" using the "AIR BAG" warning lamp, the following cases may exist:
   - "SELF-DIAG [PAST]" memory might not be erased.
   - The SRS system malfunctions intermittently.
   Perform DIAGNOSTIC PROCEDURE 4. Refer to SRC-14, "Self-Diagnosis Function (Without CONSULT)".

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**SRC-13**
ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis without CONSULT

DIAGNOSTIC PROCEDURE 6

Inspect SRS Malfunction Using "AIR BAG" Warning Lamp—Diagnosis Mode

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.
1. Turn ignition switch ON.
2. After “AIR BAG" warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.
3. Wait more than 3 seconds.
4. Repeat steps 1 to 3 two more times (3 times total).
5. Turn ignition switch ON.

SRS is now in Diagnosis mode. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

CONSULT Function (AIR BAG)

CONSULT can display each diagnostic item using the diagnostic test modes shown.

<table>
<thead>
<tr>
<th>AIR BAG diagnostic mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELF-DIAG [CURRENT]</td>
<td>A current Self-diagnosis result (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.</td>
</tr>
<tr>
<td>SELF-DIAG [PAST]</td>
<td>Diagnosis results previously stored in the memory are displayed on the CONSULT screen. The stored results will remain until memory erasing is executed.</td>
</tr>
<tr>
<td>TROUBLE DIAG RECORD</td>
<td>With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.</td>
</tr>
<tr>
<td>ECU DISCRIMINATED NO.</td>
<td>Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.</td>
</tr>
<tr>
<td>PASSENGER AIR BAG</td>
<td>The STATUS (readiness) of the front passenger air bag module is displayed. The STATUS displayed (ON/OFF) depends on the signals supplied to the occupant classification system control unit and air bag diagnosis sensor unit. Refer to SRC-10, &quot;Occupant Classification System (OCS)&quot; for more information.</td>
</tr>
</tbody>
</table>

Self-Diagnosis Function (Without CONSULT)

• The reading of these results is accomplished using one of two modes —“User mode” and “Diagnosis mode”.
• After a malfunction is repaired, turn the ignition switch OFF for at least one second, then back ON. Diagnosis mode returns to the User mode. At that time, the self-diagnostics result is cleared.

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ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

HOW TO CHANGE SELF-DIAGNOSIS MODE

**DIAGNOSTIC PROCEDURE 3**

Final Check of SRS Using CONSULT - Diagnosis Mode

1. Connect CONSULT.
2. If no DTC is detected on “SELF-DIAG [CURRENT]”, repair of SRS is completed. Go to step 3.
   If any DTC is detected on “SELF-DIAG [CURRENT]”, the malfunctioning part has not been repaired completely or another malfunctioning part is being detected. Perform DIAGNOSTIC PROCEDURE 2. Refer to SRC-12, "SRS Operation Check".
3. Touch “ERASE”.
   **NOTE:**
   Touch “ERASE” to clear the memory of the malfunction (“SELF-DIAG [PAST]”).
   If the memory of the malfunction in “SELF-DIAG [PAST]” is not erased, the User mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
4. Touch “BACK” key of CONSULT. Touch “SELF-DIAG [PAST]”.
5. Check that no malfunction is detected on “SELF-DIAG [PAST]”.
6. Touch “BACK” key of CONSULT to return to User mode from Diagnosis mode.
7. Turn ignition switch OFF and then turn off and disconnect CONSULT.
8. Go to SRC-12, "SRS Operation Check".

**DIAGNOSTIC PROCEDURE 4**

Check SRS Repair History

1. **CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR**

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

- **Yes** >> Self-diagnostic result “SELF-DIAG [PAST]” (previously stored in the memory) might not be erased after repair. Perform DIAGNOSTIC PROCEDURE 3. Refer to SRC-14, "Self-Diagnosis Function (Without CONSULT)".
- **No** >> Perform DIAGNOSTIC PROCEDURE 2. Refer to SRC-12, "SRS Operation Check".
B1049 – B1052, B1054 – B1057 DRIVER AIRBAG MODULE

DTC/CIRCUIT DIAGNOSIS

B1049 – B1052, B1054 – B1057 DRIVER AIRBAG MODULE

Description

DTC B1049 – B1052, B1054 – B1057 DRIVER AIRBAG MODULE

The driver air bag module is dual stage and wired to the air bag diagnosis sensor unit through the spiral cable. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the driver air bag module including the spiral cable.

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRIVER AIRBAG MODULE [OPEN]</td>
<td>B1049</td>
<td>Driver air bag module circuit (DR1) is open (including the spiral cable).</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td>B1054</td>
<td>Driver air bag module circuit (DR2) is open (including the spiral cable).</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>DRIVER AIRBAG MODULE [VB-SHORT]</td>
<td>B1050</td>
<td>Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).</td>
<td>3. Inspect spiral cable circuit.</td>
</tr>
<tr>
<td></td>
<td>B1055</td>
<td>Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>DRIVER AIRBAG MODULE [GND-SHORT]</td>
<td>B1051</td>
<td>Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).</td>
<td>5. Replace the driver air bag module.</td>
</tr>
<tr>
<td></td>
<td>B1056</td>
<td>Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).</td>
<td>6. Replace the related harness.</td>
</tr>
<tr>
<td>DRIVER AIRBAG MODULE [SHORT]</td>
<td>B1052</td>
<td>Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1057</td>
<td>Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<table>
<thead>
<tr>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>c: Two flashes indicate malfunctioning driver air bag module circuits.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>a b c d a b</td>
<td>3. Inspect spiral cable circuit.</td>
</tr>
<tr>
<td>a b</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>2 sec.</td>
<td>5. Replace driver air bag module.</td>
</tr>
<tr>
<td>2 sec.</td>
<td>6. Replace the related harness.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

Revision: August 2012
< DTC/CIRCUIT DIAGNOSIS >

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-17, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2
2. WIRING HARNESS

Is there any visible damage to the harness?
YES or NO
YES >> Replace the harness.
NO >> GO TO 3

3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module connector and combination switch (spiral cable) connector.
3. Check continuity between driver air bag module harness connector and combination switch (spiral cable) harness connector.

<table>
<thead>
<tr>
<th>Driver air bag module</th>
<th>Combination switch (spiral cable)</th>
<th>Continuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector</td>
<td>Terminal</td>
<td>Connector</td>
</tr>
<tr>
<td>M105</td>
<td>1</td>
<td>M29</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>M106</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Driver air bag module</th>
<th>Terminal</th>
<th>Ground</th>
<th>Continuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M105</td>
<td>1</td>
<td>1</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>M106</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Is the inspection result normal?
YES >> GO TO 4
NO >> Replace combination switch (spiral cable). Refer to SR-7, "Removal and Installation".

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. DRIVER AIR BAG MODULE

Replace the driver air bag module. Refer to SR-4, "Removal and Installation".

>> GO TO 6

6. RELATED HARNESS

Replace the related harness.

>> END
B1065 – B1068, B1070 – B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1065 – B1068, B1070 – B1073 PASSENGER AIRBAG MODULE

Description

DTC B1065 – B1068, B1070 – B1073 PASSENGER AIR BAG MODULE
The passenger air bag module is dual stage and wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the passenger air bag module.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSIST A/B MODULE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[OPEN]</td>
<td>B1065</td>
<td>Front passenger air bag module circuit (AS1) is open.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td>B1070</td>
<td>Front passenger air bag module circuit (AS2) is open.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>ASSIST A/B MODULE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[VB-SHORT]</td>
<td>B1066</td>
<td>Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.</td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>B1071</td>
<td>Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.</td>
<td>4. Replace the front passenger air bag module.</td>
</tr>
<tr>
<td>ASSIST A/B MODULE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[GND-SHORT]</td>
<td>B1067</td>
<td>Front passenger air bag module circuit (AS1) is shorted to ground.</td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td></td>
<td>B1072</td>
<td>Front passenger air bag module circuit (AS2) is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td>ASSIST A/B MODULE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[SHORT]</td>
<td>B1068</td>
<td>Front passenger air bag module circuits (AS1) are shorted to each other.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td>B1073</td>
<td>Front passenger air bag module circuits (AS2) are shorted to each other.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the front passenger air bag module.</td>
</tr>
</tbody>
</table>

Without CONSULT

<Front passenger air bag module>

Flash pattern:

a through d are repeated.
a: Eight flashes indicate malfunctioning front passenger air bag module circuit.

| ON         | 7 sec. |
| OFF        | 2 sec. |
|            | 3 sec. |
|            | 2 sec. |
|            | 0.5 sec. |
|            | 2 sec. |
| 8 flashes  | a b c d a b |

Repair order:

1. Visually check the wiring harness connection.
2. Replace the harness if it has visible damage.
3. Replace the air bag diagnosis sensor unit.
4. Replace the front passenger air bag module.
5. Replace the related harness.

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
B1065 – B1068, B1070 – B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

YES >> Refer to SRC-20, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".
4. FRONT PASSENGER AIR BAG MODULE
Replace the front passenger air bag module. Refer to SR-9, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS
Replace the related harness.

>> END
B1134 – B1137 SIDE AIRBAG MODULE LH

Description

DTC B1134 – B1137 FRONT LH SIDE AIR BAG MODULE
The front LH side air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the front LH side air bag module.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIDE MODULE LH [OPEN]</td>
<td>B1134</td>
<td>Front LH side air bag module circuit is open.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the front LH side air bag module.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

Without CONSULT

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated. 1. Two flashes indicate malfunctioning front LH side air bag module circuit.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the front LH side air bag module.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-23, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH
< DTC/CIRCUIT DIAGNOSIS >

Turn ignition switch ON.

   >> GO TO 2

2. IGNITION SWITCH

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

   >> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

   >> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

   >> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

   >> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, “Trouble Diagnosis without CONSULT”.

   >> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

   >> GO TO 4

4. FRONT LH SIDE AIR BAG MODULE

Replace the front LH side air bag module. Refer to SR-13, "Removal and Installation".

   >> GO TO 5

5. RELATED HARNESS
B1134 – B1137 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> END
B1129 – B1132 SIDE AIRBAG MODULE RH

Description

DTC B1129 – B1132 FRONT RH SIDE AIR BAG MODULE
The front RH side air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the front RH side air bag module.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIDE MODULE RH [OPEN]</td>
<td>B1129</td>
<td>Front RH side air bag module circuit is open.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>SIDE MODULE RH [VB-SHORT]</td>
<td>B1130</td>
<td>Front RH side air bag module circuit is shorted to a power supply circuit.</td>
<td>3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module.</td>
</tr>
<tr>
<td>SIDE MODULE RH [GND-SHORT]</td>
<td>B1131</td>
<td>Front RH side air bag module circuit is shorted to ground.</td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>SIDE MODULE RH [SHORT]</td>
<td>B1132</td>
<td>Front RH side air bag module circuits are shorted to each other.</td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<Front RH side air bag module>

Flash pattern | Repair order
---|---
[1 flash, 0 sec, 0.5 sec, 0.5 sec, 0.5 sec] | 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module. 5. Replace the related harness.

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-26, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH
Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

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

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4. FRONT RH SIDE AIR BAG MODULE

Replace the front RH side air bag module. Refer to SR-13, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS
Replace the related harness.

>> END
B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

DTC B1150 – B1153 LH SIDE CURTAIN AIR BAG MODULE

The LH side curtain air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the LH side curtain air bag module.

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

   >> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-29, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH
B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Turn ignition switch ON.

>>> GO TO 2

2. IGNITION SWITCH

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

>>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>>> GO TO 4

4. LH SIDE CURTAIN AIR BAG MODULE

Replace the LH side curtain air bag module. Refer to SR-11, "Removal and Installation".

>>> GO TO 5

5. RELATED HARNESS
B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> END
B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

Description

DTC B1145 – B1148 RH SIDE CURTAIN AIR BAG MODULE
The RH side curtain air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the RH side curtain air bag module.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>CURTAIN MODULE RH [OPEN]</td>
<td>B1145</td>
<td>RH side curtain air bag module circuit is open.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the RH side curtain air bag module. 5. Replace the related harness.</td>
</tr>
<tr>
<td>CURTAIN MODULE RH [VB-SHORT]</td>
<td>B1146</td>
<td>RH side curtain air bag module circuit is shorted to a power supply circuit.</td>
<td></td>
</tr>
<tr>
<td>CURTAIN MODULE RH [GND-SHORT]</td>
<td>B1147</td>
<td>RH side curtain air bag module circuit is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td>CURTAIN MODULE RH [SHORT]</td>
<td>B1148</td>
<td>RH side curtain air bag module circuits are shorted to each other.</td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<table>
<thead>
<tr>
<th>CURTAIN MODULE RH</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN</td>
<td>B1145 RH side curtain air bag module circuit is open.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the RH side curtain air bag module. 5. Replace the related harness.</td>
</tr>
<tr>
<td>VB-SHORT</td>
<td>B1146 RH side curtain air bag module circuit is shorted to a power supply circuit.</td>
<td></td>
</tr>
<tr>
<td>GND-SHORT</td>
<td>B1147 RH side curtain air bag module circuit is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td>SHORT</td>
<td>B1148 RH side curtain air bag module circuits are shorted to each other.</td>
<td></td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
Is the DTC detected?

YES >> Refer to SRC-32, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

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SRC-31 2012 Maxima
B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES  >> Replace the harness.
NO   >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

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

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4. RH SIDE CURTAIN AIR BAG MODULE

Replace the RH side curtain air bag module. Refer to SR-11, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS
B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> END
B1086 – B1089 SEAT BELT PRE-TENSIONER LH

Description

DTC B1086 – B1089 SEAT BELT PRE-TENSIONER LH
The seat belt pre-tensioner LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the seat belt pre-tensioner LH.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the front LH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>PRE-TEN FRONT LH [VB-SHORT]</td>
<td>B1087</td>
<td>LH seat belt pre-tensioner circuit is shorted to a power supply circuit.</td>
<td>1. Visual check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the front LH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>PRE-TEN FRONT LH [GND-SHORT]</td>
<td>B1088</td>
<td>LH seat belt pre-tensioner circuit is shorted to ground.</td>
<td>1. Visual check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the front LH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>PRE-TEN FRONT LH [SHORT]</td>
<td>B1089</td>
<td>LH seat belt pre-tensioner circuits are shorted to each other.</td>
<td>1. Visual check the wiring harness connections.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the front LH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

Without CONSULT

<Front LH seat belt pre-tensioner>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated.</td>
<td>1. Visual check the wiring harness connections.</td>
</tr>
<tr>
<td>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>7 sec.</td>
<td>3 flashes</td>
</tr>
<tr>
<td>3 sec</td>
<td>c</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES  >> Refer to SRC-35, "Diagnosis Procedure (Component Diagnosis)"
NO   >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH
B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. FRONT LH SEAT BELT PRE-TENSIONER

Replace the front LH seat belt pre-tensioner. Refer to SB-6, "Removal and Installation".

>> GO TO 4

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS

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SRC-35 2012 Maxima
B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> END
B1081 – B1084 SEAT BELT PRE-TENSIONER RH

Description

DTC B1081 – B1084 SEAT BELT PRE-TENSIONER RH
The seat belt pre-tensioner RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the seat belt pre-tensioner RH.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRE-TEN FRONT RH</td>
<td>B1081</td>
<td>RH seat belt pre-tensioner circuit is open.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>[OPEN]</td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. Replace the front RH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>PRE-TEN FRONT RH</td>
<td>B1082</td>
<td>RH seat belt pre-tensioner circuit is shorted to a power supply circuit.</td>
<td></td>
</tr>
<tr>
<td>[VB-SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRE-TEN FRONT RH</td>
<td>B1083</td>
<td>RH seat belt pre-tensioner circuit is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td>[GND-SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRE-TEN FRONT RH</td>
<td>B1084</td>
<td>RH seat belt pre-tensioner circuits are shorted to each other.</td>
<td></td>
</tr>
<tr>
<td>[SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<Front RH seat belt pre-tensioner>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d</td>
<td>1. Visually check the wiring harness connections.</td>
</tr>
<tr>
<td>d: One flash</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>indicates</td>
<td>3. Replace front RH seat belt pre-tensioner.</td>
</tr>
<tr>
<td>malfunctioning</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>front RH seat</td>
<td>5. Replace the related harness.</td>
</tr>
<tr>
<td>belt pre-</td>
<td></td>
</tr>
<tr>
<td>tensioner circuit.</td>
<td></td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
Is the DTC detected?

YES >> Refer to SRC-38, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH
B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES  >> Replace the harness.

NO  >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES  >> Replace the harness.

NO  >> GO TO 3

3. FRONT RH SEAT BELT PRE-TENSIONER

Replace the front RH seat belt pre-tensioner. Refer to SB-6, "Removal and Installation".

>> GO TO 4

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS
Replace the related harness.

>> END
B1033 – B1035 CRASH ZONE SENSOR

Description

DTC B1033 – B1035 CRASH ZONE SENSOR
The crash zone sensor is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the crash zone sensor.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRASH ZONE SEN</td>
<td>B1033</td>
<td>Crash zone sensor has malfunctioned.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor.</td>
</tr>
<tr>
<td>[UNIT FAIL]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1034</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRASH ZONE SEN</td>
<td>B1035</td>
<td>Crash zone sensor communication error.</td>
<td>4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>[COMM FAIL]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<Crash zone sensor>

Flash pattern

a through d are repeated.
d: Six flashes indicate malfunctioning crash zone sensor circuit.

ON 7 sec. 2 sec. a 3 sec. b 6 flashes 2 sec. c 0.5 sec. d 2 sec. a 3 sec. b OFF

Repair order

1. Visually check the wiring harness connection.
2. Replace the harness if it has visible damage.
3. Replace the crash zone sensor.
4. Replace the air bag diagnosis sensor unit.
5. Replace the related harness.

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
Is the DTC detected?

YES >> Refer to SRC-41, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2
< DTC/CIRCUIT DIAGNOSIS >

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

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

3. CRASH ZONE SENSOR

Replace the crash zone sensor. Refer to SR-19, "Removal and Installation".

>> GO TO 4

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.
B1118 – B1120 SATELLITE SENSOR LH

Description

DTC B1118 – B1120 SATELLITE SENSOR LH
The satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the satellite sensor LH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>SATELLITE SENS LH</td>
<td>B118</td>
<td>LH side air bag satellite sensor has malfunctioned.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>[UNIT FAIL]</td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td>SATELLITE SENS LH</td>
<td>B119</td>
<td></td>
<td>3. Replace the LH side air bag satellite sensor.</td>
</tr>
<tr>
<td>[COMM FAIL]</td>
<td>B1120</td>
<td>LH side air bag satellite sensor communication error.</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

Without CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-44, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2
<DTC/CIRCUIT DIAGNOSIS>

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. LH SIDE AIR BAG SATELLITE SENSOR

Replace the LH side air bag satellite sensor. Refer to SR-21, "Removal and Installation".

>> GO TO 4

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

INFOID:0000000007254674
B1113 – B1115 SATELLITE SENSOR RH

Description

DTC B1113 – B1115 SATELLITE SENSOR RH
The satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the satellite sensor RH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>SATELLITE SENS RH</td>
<td>B1113</td>
<td>RH side air bag satellite sensor has malfunctioned.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>[UNIT FAIL]</td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>B1114</td>
<td></td>
<td>3. Replace the RH side air bag satellite sensor.</td>
</tr>
<tr>
<td>SATELLITE SENS RH</td>
<td>B1115</td>
<td>RH side air bag satellite sensor communication error.</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>[COMM FAIL]</td>
<td></td>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

Without CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-47, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2


**B1113 – B1115 SATELLITE SENSOR RH**

**< DTC/CIRCUIT DIAGNOSIS >**

**2. I N I T I O N S W I T C H**

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

>> GO TO 3

**3. W A I T T I M E**

Wait more than 3 seconds.

>> GO TO 4

**4. R E P E A T S T E P S**

Repeat steps 1 to 3 twice.

>> GO TO 5

**5. I N I T I O N S W I T C H**

Turn ignition switch ON.

>> GO TO 6

**6. D I A G N O S T I C M O D E**

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

## Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

**1. H A R N E S S C O N N E C T O R**

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

**2. W I R I N G H A R N E S S**

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3


Replace the RH side air bag satellite sensor. Refer to SR-21, "Removal and Installation".

>> GO TO 4


Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

**5. R E L A T E D H A R N E S S**

Replace the related harness.
B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

Description

DTC B1XXX AIR BAG DIAGNOSIS SENSOR UNIT
The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B1XXX format, but will not match any other SRS diagnostic trouble codes. Refer to SRC-58, "Trouble Diagnosis with CONSULT".

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
Is the DTC detected?
YES >> Refer to SRC-50, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

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B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

2. IGNITION SWITCH
After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3. WAIT TIME
Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS
Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH
Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE
SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR
Is there any visible damage to the connector?
YES or NO
YES >> Replace the harness.
NO >> GO TO 2

2. WIRING HARNESS
Is there any visible damage to the harness?
YES or NO
YES >> Replace the harness.
NO >> GO TO 3

3. AIR BAG DIAGNOSIS SENSOR UNIT
 Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4. RELATED HARNESS
Replace the related harness.

>> END
B1023 PASSENGER AIR BAG OFF INDICATOR

Description

DTC B1023 FRONT PASSENGER AIR BAG OFF INDICATOR
The front passenger air bag off indicator is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit monitors the front passenger air bag off indicator and circuit for failures.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
</table>
| PASS A/B INDCTR CKT | B1023 | Front passenger air bag off indicator is malfunctioning. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the front passenger air bag off indicator.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness. |

Without CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.
Is the DTC detected?

YES  >> Refer to SRC-52, "Diagnosis Procedure (Component Diagnosis)".

NO  >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.
B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES  >> Replace the harness.

NO   >> GO TO 2

2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES  >> Replace the harness.

NO   >> GO TO 3

3. FRONT PASSENGER AIR BAG OFF INDICATOR

Replace the front passenger air bag off indicator. Refer to IP-11, "Removal and Installation".

>> GO TO 4

4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

INFOID:0000000007254683

Revision: August 2012

2012 Maxima
B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

>> END

Revision: August 2012

SRC-53

2012 Maxima
B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

Description

DTC B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM (OCS)
The occupant classification system control unit is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the occupant classification system for control unit and sensor mat failures and interruptions in communication between the OCS control unit and the air bag diagnosis sensor unit.

PART LOCATION
Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCUPANT SENS C/U</td>
<td>B1017</td>
<td>The OCS control unit is malfunctioning.</td>
<td>1. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly.</td>
</tr>
<tr>
<td>[UNIT FAIL]</td>
<td>B1020</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1021</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS [UNIT FAIL]</td>
<td>B1018</td>
<td>The OCS sensor mat is malfunctioning.</td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS [OTHER FAIL]</td>
<td>B1019</td>
<td>The OCS is malfunctioning.</td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS C/U</td>
<td>B1022</td>
<td>Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly. 4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>[COMM FAIL]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Without CONSULT

<<Occupant classification system>>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: Five flashes indicate malfunctioning occupant classification system control unit.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly. 4. Replace the air bag diagnosis sensor unit.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START
   Turn ignition switch ON.

   >> GO TO 2.

2. CHECK SELF-DIAG RESULT
   Check for the DTC on CONSULT.
   Is the DTC detected?
   YES >> Refer to SRC-55, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2. IGNITION SWITCH

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

>> GO TO 3

3. WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4. REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6. DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-7, "SRS Component Parts Location".

>> END

Diagnosis Procedure (Component Diagnosis)

Recheck SRS after each replacement.

1. DTC

Does CONSULT indicate B1022?

YES or NO

YES >> GO TO 2

NO >> GO TO 4

2. HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

NO >> GO TO 4

4. RH FRONT SEAT CUSHION ASSEMBLY

Replace the RH front seat cushion assembly. Refer to SE-64, "Removal and Installation" (with climate controlled seats) or SE-114, "Removal and Installation" (without climate controlled seats).

>> GO TO 5

5. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> END.
Description

**DTC B1209 - B1210 COLLISION DETECTION**

The air bag diagnosis sensor unit will set this DTC if it has detected a collision which has resulted in a frontal or side deployment of one or more air bags or pre-tensioners. If this DTC is detected after a SRS repair, the air bag diagnosis sensor unit has not yet been replaced. This DTC can not be erased.

**PART LOCATION**

Refer to [SRC-7, "SRS Component Parts Location"](#).

**DTC Detection Logic**

With CONSULT

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONTAL COLLISION DETECTION</td>
<td>B1209</td>
<td>Driver and/or front passenger air bag modules deployed.</td>
<td>Refer to <a href="#">SR-26, &quot;For Frontal Collision&quot;.</a></td>
</tr>
<tr>
<td>SIDE COLLISION DETECTION</td>
<td>B1210</td>
<td>Side and/or curtain air bag modules are deployed.</td>
<td>Refer to <a href="#">SR-28, &quot;For Side and Rollover Collision&quot;.</a></td>
</tr>
</tbody>
</table>

**DTC CONFIRMATION PROCEDURE (With CONSULT)**

1. **INSPECTION START**

Turn ignition switch ON.

   >> GO TO 2.

2. **CHECK SELF-DIAG RESULT**

   Check for the DTC on CONSULT.

   Is the DTC detected?

   YES >> Refer to [SRC-57, "Diagnosis Procedure (Component Diagnosis)".](#)

   NO >> Inspection End.

**Diagnosis Procedure (Component Diagnosis)**

Refer to [SR-26, "For Frontal Collision" or SR-28, "For Side and Rollover Collision".](#)
## DIAGNOSTIC CODE CHART

**NOTE:**
Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT each time repair is finished. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRIVER AIRBAG MODULE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1049</td>
<td>Driver air bag module circuit (DR1) is open (including the spiral cable).</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>B1054</td>
<td>Driver air bag module circuit (DR2) is open (including the spiral cable).</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>B1050</td>
<td>Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).</td>
<td>5. Replace the driver air bag module.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6. Replace the related harness.</td>
</tr>
<tr>
<td></td>
<td>B1055</td>
<td>Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td>[VB-SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1056</td>
<td>Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1057</td>
<td>Driver air bag module circuit (DR2) is shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td>[GND-SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1058</td>
<td>Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td>[SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1059</td>
<td>Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1060</td>
<td>Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).</td>
<td></td>
</tr>
<tr>
<td>ASSIST A/B MODULE</td>
<td>B1065</td>
<td>Front passenger air bag module circuit (AS1) is open.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>[OPEN]</td>
<td></td>
<td></td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>B1070</td>
<td>Front passenger air bag module circuit (AS2) is open.</td>
<td>3. Inspect spiral cable circuit.</td>
</tr>
<tr>
<td>[VB-SHORT]</td>
<td>B1066</td>
<td>Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.</td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Replace the front passenger air bag module.</td>
</tr>
<tr>
<td></td>
<td>B1071</td>
<td>Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.</td>
<td>6. Replace the related harness.</td>
</tr>
<tr>
<td>[GND-SHORT]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1067</td>
<td>Front passenger air bag module circuit (AS1) is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1072</td>
<td>Front passenger air bag module circuit (AS2) is shorted to ground.</td>
<td></td>
</tr>
<tr>
<td>[SHORT]</td>
<td>B1068</td>
<td>Front passenger air bag module circuits (AS1) are shorted to each other.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B1073</td>
<td>Front passenger air bag module circuits (AS2) are shorted to each other.</td>
<td></td>
</tr>
</tbody>
</table>
## DIAGNOSIS SENSOR UNIT

### CONSULT name | DTC | DTC detecting condition | Repair order
---|---|---|---
SIDE MODULE LH [OPEN] | B1134 | Front LH side air bag module circuit is open. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front LH side air bag module.  
5. Replace the related harness.
SIDE MODULE LH [VB-SHORT] | B1135 | Front LH side air bag module circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front LH side air bag module.  
5. Replace the related harness.
SIDE MODULE LH [GROUND-SHORT] | B1136 | Front LH side air bag module circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front LH side air bag module.  
5. Replace the related harness.
SIDE MODULE LH [SHORT] | B1137 | Front LH side air bag module circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front LH side air bag module.  
5. Replace the related harness.
SIDE MODULE RH [OPEN] | B1129 | Front RH side air bag module circuit is open. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front RH side air bag module.  
5. Replace the related harness.
SIDE MODULE RH [VB-SHORT] | B1130 | Front RH side air bag module circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front RH side air bag module.  
5. Replace the related harness.
SIDE MODULE RH [GROUND-SHORT] | B1131 | Front RH side air bag module circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front RH side air bag module.  
5. Replace the related harness.
SIDE MODULE RH [SHORT] | B1132 | Front RH side air bag module circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the front RH side air bag module.  
5. Replace the related harness.
CURTAIN MODULE LH [OPEN] | B1150 | LH side curtain air bag module circuit is open. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the LH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE LH [VB-SHORT] | B1151 | LH side curtain air bag module circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the LH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE LH [GROUND-SHORT] | B1152 | LH side curtain air bag module circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the LH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE LH [SHORT] | B1153 | LH side curtain air bag module circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the LH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE RH [OPEN] | B1145 | RH side curtain air bag module circuit is open. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the RH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE RH [VB-SHORT] | B1146 | RH side curtain air bag module circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the RH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE RH [GROUND-SHORT] | B1147 | RH side curtain air bag module circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the RH side curtain air bag module.  
5. Replace the related harness.
CURTAIN MODULE RH [SHORT] | B1148 | RH side curtain air bag module circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the air bag diagnosis sensor unit.  
4. Replace the RH side curtain air bag module.  
5. Replace the related harness.
PRE-TEN FRONT LH [OPEN] | B1086 | LH seat belt pre-tensioner circuit is open. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the LH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT LH [VB-SHORT] | B1087 | LH seat belt pre-tensioner circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the LH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT LH [GROUND-SHORT] | B1088 | LH seat belt pre-tensioner circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the LH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT LH [SHORT] | B1089 | LH seat belt pre-tensioner circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the LH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
2. Replace the harness if it has visible damage.  
3. Replace the RH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT RH [VB-SHORT] | B1082 | RH seat belt pre-tensioner circuit is shorted to a power supply circuit. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the RH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT RH [GROUND-SHORT] | B1083 | RH seat belt pre-tensioner circuit is shorted to ground. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the RH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
PRE-TEN FRONT RH [SHORT] | B1084 | RH seat belt pre-tensioner circuits are shorted to each other. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the RH seat belt pre-tensioner.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
CRASH ZONE SEN [UNIT FAIL] | B1033 | Crash zone sensor has malfunctioned. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the crash zone sensor.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
CRASH ZONE SEN [COMM FAIL] | B1034 | Crash zone sensor communication error. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the crash zone sensor.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
CRASH ZONE SEN [COMM FAIL] | B1035 | Crash zone sensor communication error. | 1. Visually check the wiring harness connection.  
2. Replace the harness if it has visible damage.  
3. Replace the crash zone sensor.  
4. Replace the air bag diagnosis sensor unit.  
5. Replace the related harness.
## DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

### WARNING LAMP FLASH CODE CHART

**NOTE:**
Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp each time repair is finished. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

<table>
<thead>
<tr>
<th>CONSULT name</th>
<th>DTC</th>
<th>DTC detecting condition</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>SATELLITE SENS LH [UNIT FAIL]</td>
<td>B1118</td>
<td>LH side air bag satellite sensor has malfunctioned.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>SATELLITE SENS LH [COMM FAIL]</td>
<td>B1119</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SATELLITE SENS RH [UNIT FAIL]</td>
<td>B1120</td>
<td>LH side air bag satellite sensor communication error.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>SATELLITE SENS RH [COMM FAIL]</td>
<td>B1113</td>
<td>RH side air bag satellite sensor has malfunctioned.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>SATELLITE SENS RH [COMM FAIL]</td>
<td>B1114</td>
<td>RH side air bag satellite sensor communication error.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>CONTROL UNIT</td>
<td>B1XXX</td>
<td>Air bag diagnosis sensor unit is malfunctioning.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.</td>
</tr>
<tr>
<td>PASS A/B INDCTR CKT</td>
<td>B1023</td>
<td>Front passenger air bag OFF indicator is malfunctioning.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag OFF indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
<tr>
<td>OCCUPANT SENS C/U [UNIT FAIL]</td>
<td>B1017</td>
<td>The OCS control unit is malfunctioning.</td>
<td>1. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly.</td>
</tr>
<tr>
<td>OCCUPANT SENS C/U [UNIT FAIL]</td>
<td>B1020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS C/U [UNIT FAIL]</td>
<td>B1021</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS [OTHER FAIL]</td>
<td>B1018</td>
<td>The OCS sensor mat is malfunctioning.</td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS [OTHER FAIL]</td>
<td>B1019</td>
<td>The OCS is malfunctioning.</td>
<td></td>
</tr>
<tr>
<td>OCCUPANT SENS C/U [COMM FAIL]</td>
<td>B1022</td>
<td>Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly. 4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>FRONTAL COLLISION DETECTION</td>
<td>B1209</td>
<td>Driver and/or front passenger air bag modules are deployed.</td>
<td>Refer to SR-26, &quot;For Frontal Collision&quot;.</td>
</tr>
<tr>
<td>SIDE COLLISION DETECTION</td>
<td>B1210</td>
<td>Side and/or curtain air bag modules are deployed.</td>
<td>Refer to SR-28, &quot;For Side and Rollover Collision&quot;.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through b are repeated.</td>
<td>1. Go to DIAGNOSTIC PROCEDURES 2 and 3.</td>
</tr>
</tbody>
</table>

< Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past. >
### <Driver air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuits.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Inspect spiral cable circuit. 4. Replace the air bag diagnosis sensor unit. 5. Replace driver air bag module. 6. Replace the related harness.</td>
</tr>
</tbody>
</table>

![Flash pattern image]

### <Air bag diagnosis sensor unit>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</td>
<td>1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.</td>
</tr>
</tbody>
</table>

![Flash pattern image]

### <Front passenger air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace front passenger air bag module. 5. Replace the related harness.</td>
</tr>
</tbody>
</table>

![Flash pattern image]

### <Crash zone sensor>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</td>
<td>1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
</tbody>
</table>

![Flash pattern image]

### <Front RH seat belt pre-tensioner>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</td>
<td>1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.</td>
</tr>
</tbody>
</table>

![Flash pattern image]
### <ECU DIAGNOSIS INFORMATION>

#### DIAGNOSIS SENSOR UNIT

##### <Front LH seat belt pre-tensioner>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated.</td>
<td>1. Visually check the wiring harness connections.</td>
</tr>
<tr>
<td>d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace front LH seat belt pre-tensioner.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ON</th>
<th>3 sec.</th>
<th>3 sec.</th>
<th>3 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>2 sec.</td>
<td>2 sec.</td>
<td>0.5 sec.</td>
</tr>
</tbody>
</table>

##### <RH side air bag (Satellite) sensor>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace the RH side air bag (Satellite) sensor.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ON</th>
<th>7 sec.</th>
<th>1.5 sec.</th>
<th>1.5 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>2 sec.</td>
<td>0.5 sec.</td>
<td>2 sec.</td>
</tr>
</tbody>
</table>

##### <LH side air bag (Satellite) sensor>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace the LH side air bag (Satellite) sensor.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ON</th>
<th>7 sec.</th>
<th>1.5 sec.</th>
<th>1.5 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>2 sec.</td>
<td>0.5 sec.</td>
<td>2 sec.</td>
</tr>
</tbody>
</table>

##### <Front RH side air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: One flash indicate malfunctioning front RH side air bag module circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the front RH side air bag module.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ON</th>
<th>7 sec.</th>
<th>1.5 sec</th>
<th>1.5 sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>2 sec.</td>
<td>0.5 sec.</td>
<td>2 sec.</td>
</tr>
</tbody>
</table>

##### <Front LH side air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: Two flashes indicate malfunctioning front LH side air bag module circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
<tr>
<td></td>
<td>3. Replace the air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td></td>
<td>4. Replace the front LH side air bag module.</td>
</tr>
<tr>
<td></td>
<td>5. Replace the related harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ON</th>
<th>7 sec.</th>
<th>1.5 sec</th>
<th>1.5 sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>2 sec.</td>
<td>0.5 sec.</td>
<td>2 sec.</td>
</tr>
</tbody>
</table>

Revision: August 2012

**SRC-62**

2012 Maxima
### <RH side curtain air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
</tbody>
</table>

![Flash pattern diagram](image)

### <LH side curtain air bag module>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through f are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
</tbody>
</table>

![Flash pattern diagram](image)

### <Occupant classification system>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>d: Five flashes indicate malfunctioning occupant classification system control unit.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
</tbody>
</table>

![Flash pattern diagram](image)

### <Front passenger air bag off indicator>

<table>
<thead>
<tr>
<th>Flash pattern</th>
<th>Repair order</th>
</tr>
</thead>
<tbody>
<tr>
<td>a through d are repeated.</td>
<td>1. Visually check the wiring harness connection.</td>
</tr>
<tr>
<td>d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.</td>
<td>2. Replace the harness if it has visible damage.</td>
</tr>
</tbody>
</table>

![Flash pattern diagram](image)
SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Revision: August 2012

2012 Maxima
## SRS AIR BAG CONTROL SYSTEM

### Wiring Diagram

**Connector No.:** B303  
**Connector Name:** OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT  
**Connector Color:** WHITE

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Signal Name</th>
<th>Color of Wire</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>SIGNAL</td>
<td>LB</td>
<td><strong>Power Supply</strong></td>
</tr>
<tr>
<td>RL</td>
<td>POWER SUPPLY(+)</td>
<td>RL</td>
<td><strong>GND</strong></td>
</tr>
</tbody>
</table>

**Connector No.:** B302  
**Connector Name:** SEAT BELT BUCKLE SWITCH RH  
**Connector Color:** WHITE

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Signal Name</th>
<th>Color of Wire</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td></td>
<td>B</td>
<td><strong>Ground</strong></td>
</tr>
</tbody>
</table>
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

"AIR BAG" Warning Lamp Does Not Turn Off

INFOID:0000000007254693

DIAGNOSTIC PROCEDURE 7

1. CHECK CONDITION OF AIR BAG MODULE

Inspect for any deployed air bag modules or seat belt pre-tensioners.

Are any air bag modules or seat belt pre-tensioners deployed?

   YES  >> Refer to SR-26, "For Frontal Collision" or SR-28, "For Side and Rollover Collision".
   NO   >> GO TO 2

2. CHECK THE AIR BAG FUSE

Check 10A fuse [No. 2, located in the fuse block (J/B)].

   Is the fuse blown?
   YES  >> GO TO 3
   NO    >> GO TO 4

3. CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 2, located in the fuse block (J/B)] and turn ignition switch ON.

   Does the fuse blow again?
   YES  >> Replace harness.
   NO    >> Inspection End.

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Connect CONSULT.

   Is "AIR BAG" displayed on CONSULT?
   YES  >> GO TO 5
   NO    >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

5. CHECK HARNESS CONNECTION

Check for loose connections between the combination meter and the air bag diagnosis sensor unit.

   Are there any loose connections?
   YES  >> Properly connect the combination meter and air bag diagnosis sensor unit harness connectors. If "AIR BAG" warning lamp still does not turn off, replace the wiring harness.
   NO   >> Replace air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

"AIR BAG" Warning Lamp Does Not Turn On

INFOID:0000000007254694

DIAGNOSTIC PROCEDURE 8

1. CHECK METER FUSE

Check the 10A fuse [No. 4, located in the fuse block (J/B)].

   Is the fuse blown?
   YES  >> GO TO 2
   NO    >> GO TO 3

2. REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 4, located in the fuse block (J/B)] and turn ignition switch ON.

   Does the fuse blow again?
   YES  >> Replace harness.
   NO    >> Inspection End.

3. CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINA-
< SYMPTOM DIAGNOSIS >

**TION METER**

Inspect the harness and connectors between the air bag diagnosis sensor unit and the combination meter.

**Do the harness or connectors have any visible damage?**

<table>
<thead>
<tr>
<th>YES</th>
<th>&gt;&gt; Replace harness.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>&gt;&gt; GO TO 4</td>
</tr>
</tbody>
</table>

### 4. CHECK COMBINATION METER

Disconnect the air bag diagnosis sensor unit harness connectors and turn ignition switch ON.

**Does “AIR BAG” warning lamp turn on?**

<table>
<thead>
<tr>
<th>YES</th>
<th>&gt;&gt; Replace the air bag diagnosis sensor unit. Refer to SR-23, &quot;Removal and Installation&quot;.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>&gt;&gt; Replace the combination meter. Refer to MWI-121, &quot;Removal and Installation&quot;.</td>
</tr>
</tbody>
</table>
Seat Belt Warning System Does Not Function

1. SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES  >> GO TO 2
NO   >> • Check 10A fuse [No. 4, located in the fuse block (J/B)].
     • Check seat belt buckle switch LH.
     • Check harness between combination meter and seat belt buckle switch LH.
     • Check combination meter. Refer to MWI-50, “Fail Safe”.

2. SEAT BELT BUCKLE LH

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES  >> GO TO 3
NO   >> • Check seat belt buckle switch LH.
     • Check harness between combination meter and seat belt buckle switch LH.

3. OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES  >> GO TO 4
NO   >> • Check occupant classification system. Refer to SRC-10, “Occupant Classification System (OCS)”.
     • Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE RH

Fasten the seat belt buckle RH.

Does the seat belt warning lamp go OFF?

YES  >> System OK.
NO   >> • Check seat belt buckle switch RH.
     • Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
     • Replace air bag diagnosis sensor unit. Refer to SR-23, “Removal and Installation”.
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

**WARNING:**
- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

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

Precaution for SRS "AIR BAG" and "SEAT BELT PRE-TENSIONER" Service

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
  For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have passed.
- The air bag diagnosis sensor unit must always be installed with the arrow mark "⇐" pointing toward the front of the vehicle for proper operation. Also check air bag diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned with the neutral position since its rotations are limited. Do not attempt to turn steering wheel or 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.

**Occupant Classification System Precaution**

Replace occupant classification system control unit and passenger front seat cushion as an assembly.